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Precipitation and Streamflow in the Vicinity of West Chestnut Ridge Near Oak Ridge National Laboratory, Oak Ridge, Tennessee (October 1985 – March 1988)

R. B. Clapp
B. J. Frederick

Environmental Sciences Division
Publication No. 3164

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ENVIRONMENTAL SCIENCES DIVISION

PRECIPITATION AND STREAMFLOW IN THE VICINITY OF WEST CHESTNUT RIDGE NEAR OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE (OCTOBER 1985-MARCH 1988)

R. B. Clapp and B. J. Frederick*

Environmental Sciences Division
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ABSTRACT

CLAPP, R. B., and B. J. FREDERICK. 1988. Precipitation and Streamflow in the Vicinity of West Chestnut Ridge near Oak Ridge National Laboratory, Oak Ridge, Tennessee (October 1985-March 1988). ORNL/TM-10936. Oak Ridge National Laboratory, Oak Ridge, Tennessee. 80 pp.

The West Chestnut Ridge area is under consideration for development of a new waste disposal facility for either solid waste or low-level radioactive waste. As part of the site characterization, this report contains hydrologic data collected over a 2 1/2-year period (October 1985 through March 1988). The most significant event in the hydrologic record was the continuation of the drought conditions that began after the heavy rains of May 1984. Relative to normal annual rainfall, the precipitation deficit for water year 1986 was 18.08 in. (461.77 mm), and the deficit for 1987 was 7.92 in. (201.10 mm). For the first six months of water year 1988 the deficit was 11.72 in. (297.77 in.). For the period of record, daily average streamflow is reported for five gaging stations. Eighty-four percent of the daily values are considered good, which means within 10% of the true value. Only 0.3% (or 15 station days) are not within 15%, and these data were associated with incidences in which flume capacity was exceeded or with erratic flow behavior. The ratio of runoff per unit watershed area to precipitation is reported for the basins above each gaging station.

1. INTRODUCTION

The objective of this report is to present streamflow and precipitation data for the period October 1985 through March 1988, at sites located on West Chestnut Ridge (Fig. 1), near Oak Ridge National Laboratory. These data were collected as part of site characterization activities managed by the Low-level Waste Disposal Development and Demonstration (LLWDDD) program. Site characterization is required because West Chestnut Ridge is under consideration for development of a waste disposal facility for either solid waste or low level radioactive waste. In the early 1980's this area was under consideration as a site for a disposal facility for low level radioactive wastes generated at all three plants on the Oak Ridge reservation. Although that plan was never implemented the names of the hydrologic gaging stations are still know as the Central Waste Disposal Facility (CWDF) station 1, 2, etc.

Reports by Huff et al. (1984) and Elmore et al. (1985) present data collected in this vicinity prior to October 1983. Reports by Huff and Frederick (1984 and 1987) present streamflow and precipitation data for the period October 1983 through September 1985 and include detailed descriptions of equipment installed at each site and discussion of the methods used in converting field data to streamflow. Because these streamflow records were collected on watersheds relatively unaffected by works of man, they are especially important in determining the natural precipitation-runoff relationship for the area. Consequently, they provide valuable baseline data for comparison regulated basins. Work presented here documents data collection activities for the period October 1, 1985, through March 31, 1988. Summaries presented are primarily daily averages, with records collected at 15-min intervals. Arrangements may be made to obtain unit record data by contacting the Environmental Sciences Division, Hydrologic Data Center. Data are stored on floppy disks. Data for site CWDF 1 are IBM PC compatible for the entire period, but data for other sites are formatted for processing by Apple IIe computer up to

ORNL DWG 83-941R

CWDF SITE: SURFACE WATER HYDROLOGIC CHARACTERIZATION PLAN

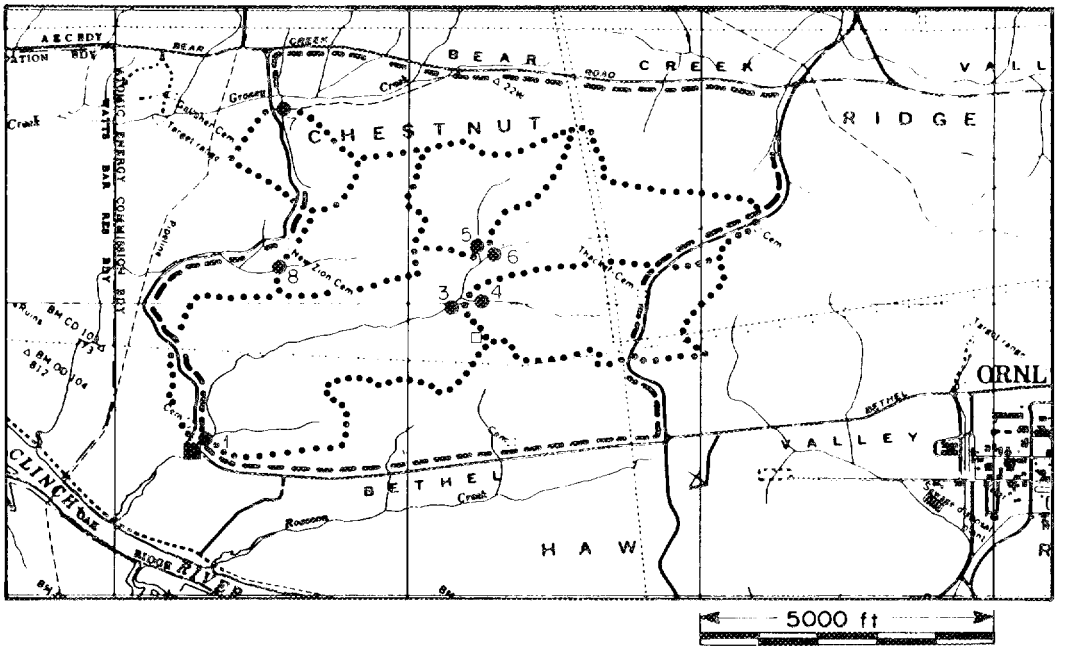

Fig. 1. Location of Streamflow gaging stations on West Chestnut Ridge.

March 4, 1988. Beginning March 4, 1988, data for all sites are IBM PC-compatible. Processing programs are modifications of ones obtained from Manning Technologies, Inc., for the Apple computer, and from Leopold Stevens, Inc., for the IBM PC-compatible data.

The precipitation data were collected at the Ish Creek gaging station (Fig. 1). Hourly or daily values of precipitation are available also by contacting the Hydrologic Data Center.

Mean daily flow rates for all five sites and daily precipitation are tabulated by month (Appendix A), and all data are given in SI units. In addition, the same data are organized by water year and given in American customary units (Appendix B). The use of American customary units was requested by LLWDDD personnel in order to be consistent with other site characterization reports in which these units are used exclusively.

2. GENERAL SUMMARY OF HYDROLOGIC CONDITIONS

2.1 WATER YEAR 1986

The drought conditions that began after the heavy rains in May 1984 continued. Normal rainfall was determined by using the 30-year period 1951 through 1980. Only one month during the water year had rainfall significantly above normal, August, when precipitation was 1.18 in. (29.97 mm) greater than the 3.69-in. (93.73-mm) normal for August. Three other months recorded slightly above normal: October, with 0.08 in. (2.03 mm) above the 3.06-in. (77.72-mm) normal; November, with 0.03 in. (0.76 mm) above the 4.69-in. (119.13-mm) normal; and February, with 0.08 in. (2.03 mm) above the 4.74-in. (120.40-mm) normal. The deficit for the year was 18.08 in. (461.77 mm). Cumulative deficit from May 1984 through September 1986, was 28.07 inches (712.98 mm).

The maximum day was February 17, with 1.76 in. (44.61 mm); the maximum week was May 22-29, with 3.18 in. (80.77 mm); and the maximum month was August, with 4.87 in. (123.79 mm).

2.2 WATER YEAR 1987

This year, five months recorded above-normal precipitation, but the deficit in the remaining seven months was so much greater than the excess that the drought continued. Above-normal months were October (+2.04 in., or 51.74 mm); November (+0.18 in., or 4.69 mm); February (+0.81 in., or 20.57 mm); May (+0.03 in., or 0.85 mm); and September, (+0.30 in., 7.60 mm). Deficit for the year was 7.92 in. (201.10 mm), and cumulative deficit since May 1984 was 35.98 in. (913.98 mm).

The maximum day was January 18, with 2.14 in. (54.35 mm); the maximum week was December 7-13, with 3.67 in. (93.20 mm); and the maximum month was December, with 5.26 in. (133.62 mm).

2.3 OCTOBER 1987 THROUGH MARCH 1988

Only one month, January, recorded above-normal precipitation, but the excess was insignificant [0.06 in. (1.55 mm)]. Consequently, the drought becomes increasingly severe. Deficit for the period was 11.72 in. (297.77 mm), and cumulative deficit since May of 1984 was 47.71 in. (1211.75 mm).

The maximum day was January 19, with 2.95 in. (74.97 mm); the maximum week was January 16-23, with 3.64 in. (92.46 mm); and the maximum month was January, with 5.33 in. (135.41 mm).

3. RECORD EVALUATION

The stage record for each site was examined for errors resulting from equipment malfunction or temporary changes in hydraulic conditions, such as debris buildup in the control structure. This examination relies upon comparison with flow at nearby sites, weather conditions, and the professional judgement of the hydrologist in charge, who made on-site inspections at each site once a week during the entire period. These weekly visits were invaluable, especially during low-flow periods at CWDF 1 and during the leaf buildup periods at CWDF 3 and CWDF 4.

Because the stage-discharge relationship, or rating curve, at all sites is considered reliable, discharge figures for all periods of valid stage record are considered "good," meaning that 95% of the daily discharge figures are within 10% of the true value. In all cases where the stage record appeared to be invalid, estimates of daily discharge have been reported and noted. In some instances, the estimated value is considered to be of comparable quality to the "valid" record, but for the most part, the estimated days are probably no better than "fair," meaning that 95% of the daily discharge figures are within 15% of the true value. Because of the weekly inspections, the only records considered "poor" (i.e., less than "fair" accuracy) are the relatively few instances when the flow exceeded the flume capacity at CWDF 4, or the extremely erratic stage record at CWDF 3. Of the 4565 station days of record covered by this report, 84% are considered good and 16% are considered fair. Only 15 days, or about 0.3%, are considered poor. Individual site records are discussed in the following paragraphs.

CWDF 1

Eighty-nine percent of the daily discharge values are good, and 11% are fair. Nearly all of the fair record was the result of faulty intake operation during periods when the stage was less than 0.26 ft (discharge less than 1.06 L/s, or 0.037 cfs). For some as yet unknown reason, the water level in the stilling-well does not drop below 0.26 ft, even though the bottom of the intake is at about 0.00 ft, which is also the minimum elevation of the flume throat, and the bottom of the stilling-well is at gage height (0.70 ft). Plans are under way to dig out the intake to identify and correct the problem. During the period covered by this report, major periods of low water were July and August of 1986 and August and September of 1987.

CWDF 3

Eighty-four percent of the daily discharge values are good, 15% are fair, and 1% are poor. The fair record was the result of erratic behavior of the electronic instrumentation which occurred at

unpredictable intervals throughout the period of record, or a combination of instrument problems and leaf buildup in the flume during the fall months. In February and March of 1988, modifications were made to the flume to allow installation of a stilling-well and a float-operated stage recorder, which has proven to be a more reliable instrument for field installation. Major periods of fair record are October 1986 and July, August, and September of 1987. The poor record occurred during a wet period in February 1986 and was the result of extremely erratic behavior of the instrumentation.

CWDF 4

Seventy-four percent of the daily discharge values are good, 25% are fair, and 1% poor. The fair record was the result of erratic behavior of the electronic instrumentation and of two 1-week periods when the instrument was completely out of service for repair. As was the case at CWDF 3, the erratic behavior occurred at unpredictable intervals. Also, as at CWDF 3, the instrumentation was replaced with a stilling-well and a float-operated recorder. Major periods of fair record were August and September of 1986 and July, August, September, November, and December of 1987. Poor record was obtained February 17-19, 1986; December 9-11, 1986; January 19-21, 1987; and February 28 to March 1, 1987, when flow exceeded the flume capacity.

CWDF 7

Eighty-one percent of the daily discharge values are good, and 19% are fair. The fair record was the result of instrumentation problems, as explained in remarks for sites CWDF 3 and CWDF 4. At this site, however, the problem was with the ultrasonic transducer used to measure water level rather than with the recording instrument. Replacement of the transducer relieved some of the problems, but the recording instrument was still unpredictable enough to make replacement with a float-operated instrument necessary. Major periods of fair record were October 1985; October and November of 1986; and August, September, and November of 1987.

CWDF 8

Ninety-two percent of the daily discharge values are good, and 8% are fair, considering the entire period of the report. However, the good record includes 382 days when the stream was dry. The dry periods were June 16, 1986, to October 25, 1986; October 29, 1986, to November 4, 1986; and June 10, 1987, to January 16, 1988. If these periods are excluded from the evaluation, 85% of the record is good and 15% fair. Fair record was October 1985 and November 1986, the result of erratic behavior of the instruments and/or leaves blocking the flume throat. Despite the fact that the instrumentation at this site performed appreciably better than sites 3, 4, and 7, these instruments were also replaced with float-operated instruments in March 1988, to be consistent with the other sites on the project and thus facilitate records processing.

4. RUNOFF VERSUS PRECIPITATION

Tables 1 through 3 present precipitation and runoff data by month and water year. Runoff data have been converted to millimeters from the basin area so that a direct ratio to precipitation in millimeters on the basin can be made.

These data provide some evidence of possible groundwater loss from the basins. Groundwater loss is important if West Chestnut Ridge is selected as a site for waste disposal. Groundwater loss is associated with subsurface flow paths that could transport contaminants away from the watershed. The basins are ranked in Table 4 according to precipitation loss (precipitation - runoff) with the basin above gaging station 8 having the greatest loss and that above station 7 having the least. Evapotranspiration (ET) is the largest component of the precipitation loss, and ET at the watershed scale in humid climates is mostly a function of climatic variables (solar radiation, temperature, humidity and windspeed); consequently, annual ET is usually considered to be uniform for a region. If ET is assumed to be uniform and if the annual change in storage is assumed to be negligible, then the basin in

Table 1. Comparison of precipitation and runoff for October 1985 to September 1986

Station	1985 Oct.	1985 Nov.	1985 Dec.	1986 Jan.	1986 Feb.	1986 Mar.	1986 Apr.	1986 May	1986 June	1986 July	1986 Aug.	1986 Sept.	1986 Water year
							Precipitation (mm)						
ISH	79.77	119.89	56.76	35.05	122.46	74.68	47.37	88.51	33.50	78.37	123.79	69.34	929.49
							Runoff (mm)						
CWDF 1	6.79	24.69	23.18	14.90	73.72	45.11	11.11	6.77	3.68	1.24	1.69	2.34	215.22
3	4.28	24.64	20.63	12.51	70.26	40.79	9.00	3.84	1.68	0.50	0.56	0.91	189.60
4	3.12	18.48	17.72	11.04	67.12	38.20	7.21	2.14	0.89	0.08	0.35	0.56	166.91
7	11.06	28.49	24.35	15.60	77.79	48.65	27.57	19.34	13.62	11.76	9.34	5.10	292.67
8	1.78	13.70	13.87	7.39	61.54	38.19	7.36	1.45	0.30	0.00	0.00	0.00	145.68
							Runoff/rainfall ratio						
CWDF 1	.09	0.21	0.41	0.43	0.60	0.60	0.23	0.08	0.11	0.02	0.01	0.03	0.23
3	.05	0.21	0.36	0.36	0.57	0.55	0.19	0.04	0.05	0.01	<.01	0.01	0.20
4	.04	0.15	0.31	0.31	0.55	0.51	0.15	0.02	0.03	<.01	<.01	0.01	0.18
7	.14	0.24	0.43	0.45	0.63	0.65	0.58	0.22	0.41	0.15	0.08	0.07	0.31
8	.02	0.11	0.24	0.21	0.50	0.51	0.16	0.02	0.01	0.00	0.00	0.00	0.16

Table 2. Comparison of precipitation and runoff for October 1986 to September 1987

Station	1986			1987									1987 Water year
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						Precipitation (mm)							
ISH	129.46	123.82	133.62	130.02	140.97	69.32	82.21	112.86	64.27	62.59	39.59	98.79	1187.52
						Runoff (mm)							
CWDF 1	6.03	17.87	48.68	67.50	61.96	49.57	42.84	8.29	3.85	2.67	0.47	1.43	311.16
3	2.52	13.54	51.98	62.66	59.53	46.26	39.68	5.30	2.37	1.60	0.35	0.64	286.63
4	1.44	11.92	48.07	56.41	57.23	47.10	34.39	4.04	1.09	0.41	0.08	0.23	262.41
7	9.84	15.95	38.40	58.76	63.71	63.12	49.98	20.45	10.07	9.33	8.42	8.92	356.95
8	0.05	3.49	23.65	34.77	36.14	39.47	31.21	2.61	0.09	0.00	0.00	0.00	171.48
						Runoff/rainfall ratio							
CWDF 1	0.05	0.14	0.36	0.52	0.44	0.72	0.52	0.07	0.06	0.04	0.01	0.01	0.26
3	0.02	0.11	0.39	0.48	0.42	0.66	0.49	0.05	0.04	0.03	0.01	0.01	0.24
4	0.01	0.10	0.36	0.43	0.41	0.68	0.44	0.04	0.02	0.01	<0.01	<.01	0.22
7	0.08	0.13	0.29	0.45	0.45	0.91	0.61	0.18	0.16	0.15	0.21	0.09	0.30
8	<0.01	0.03	0.18	0.27	0.26	0.57	0.38	0.02	<.01	0.00	0.00	0.00	0.14

Table 3. Comparison of precipitation and runoff for October 1987 to March 1988

Station	1987 Oct.	1987 Nov.	1987 Dec.	1988 Jan.	1988 Feb.	1988 Mar.	Oct. 1987-Mar. 1988
				Precipitation (mm)			
ISH	16.76	55.98	85.22	135.46	68.68	83.18	445.28
				Runoff (mm)			
CWDF 1	1.66	3.03	7.34	34.76	22.45	39.04	108.28
3	1.45	0.80	2.13	23.95	19.41	39.23	86.97
4	0.45	0.21	0.50	20.00	19.10	29.03	69.29
7	7.08	6.24	10.28	28.26	19.96	37.42	109.24
8	0.00	0.00	0.00	12.32	10.68	13.45	36.45
				Runoff/rainfall ratio			
CWDF 1	0.10	0.05	0.09	0.26	0.33	0.47	0.24
3	0.09	0.01	0.02	0.18	0.28	0.47	0.20
4	0.03	<.01	0.01	0.15	0.28	0.35	0.16
7	0.42	0.11	0.12	0.21	0.29	0.45	0.25
8	0.00	0.00	0.00	0.09	0.16	0.16	0.08

Table 4. Annual precipitation loss for West Chestnut Ridge basins

Water year	Station	Precipitation loss (mm)	Fraction of precipitation
1986	8	783.8	0.84
	4	762.6	0.82
	3	739.9	0.80
	1	714.3	0.77
	7	636.8	0.68
1987	8	1016.0	0.86
	4	952.1	0.80
	3	900.9	0.76
	1	876.4	0.74
	7	830.6	0.70

throughout the year from a groundwater spring. The net groundwater component for this basin may be positive. An independent estimate of ET is needed to calculate the actual net groundwater loss.

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APPENDIX A

MONTHLY FLOW SUMMARIES
(SI Units)

Table A.1. CWDF Hydrologic Summary for October 1985

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
10/01/85	33.02	17.80 *	5.90	1.80 *	0.88	0.08
10/02/85	2.54	12.09	5.06	1.60 *	0.97	0.26
10/03/85	0.25	8.21	3.69	1.10 *	0.84	0.29
10/04/85	1.02	6.83	2.89	0.90	0.66	0.22 *
10/05/85	0.00	5.64	1.95	0.61	0.54 *	0.22 *
10/06/85	0.00	5.08	1.39	0.42	0.49 *	0.21 *
10/07/85	0.00	4.70	1.28	0.39	0.45 *	0.21 *
10/08/85	0.00	4.64	1.22	0.37	0.44 *	0.21 *
10/09/85	0.00	4.51	1.22 *	0.38	0.43 *	0.20 *
10/10/85	0.00	4.43	1.22 *	0.43	0.42 *	0.20 *
10/11/85	0.00	4.26	1.22 *	0.43	0.40 *	0.20 *
10/12/85	0.00	4.19	1.21 *	0.42	0.39 *	0.19 *
10/13/85	0.00	4.19	1.20 *	0.42 *	0.39 *	0.19 *
10/14/85	0.00	4.45	1.20 *	0.41 *	0.41 *	0.21 *
10/15/85	2.80	4.66	1.58	0.59	0.70 *	0.23 *
10/16/85	0.00	4.59	1.94	0.50	0.59 *	0.21 *
10/17/85	0.00	4.25	1.13	0.40 *	0.42 *	0.20 *
10/18/85	0.00	4.13	1.13 *	0.36 *	0.38 *	0.19 *
10/19/85	0.00	3.98	1.12	0.34	0.38 *	0.18 *
10/20/85	0.00	3.94	1.13	0.34	0.54	0.17 *
10/21/85	14.48	6.35	2.93	0.52	0.77	0.25 *
10/22/85	0.00	5.73	2.35	0.57	0.68	0.23 *
10/23/85	18.79	10.38	5.38	0.81	0.99	0.32 *
10/24/85	0.77	11.87	5.33	1.22	0.96	0.22 *
10/25/85	0.00	7.79	3.36	0.83	0.59	0.21 *
10/26/85	0.00	6.58	2.53	0.62	0.47	0.20 *
10/27/85	1.88	5.98	2.32	0.59	0.52	0.20 *
10/28/85	1.42	6.17	2.58	0.63	0.58	0.21 *
10/29/85	1.02	5.59	2.05	0.52	0.50	0.20 *
10/30/85	1.78	5.60	2.10	0.54	0.56	0.20 *
10/31/85	0.00	5.45	2.20	0.59	0.58	0.19
VOLUME (M**3)		16766.8	6204.4	1697.8	1548.3	561.6
AVE FLOW (L/S)		6.26	2.32	0.63	0.58	0.21
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		2.53	1.60	1.17	4.13	0.67
PEAK FLOW (L/S)		28.60	18.01	2.09	2.31	0.61
MAX DAY (L/S)		17.80	5.90	1.80	0.99	0.32
MIN DAY (L/S)		3.94	1.12	0.34	0.38	0.08
TOTAL (MM)	79.77	6.79	4.28	3.12	11.06	1.78

NOTE: AN ASTERISK (*) AFTER THE DATA INDICATES AN ADJUSTED VALUE, WHERE THE ORIGINAL STAGE RECORD WAS INCOMPLETE, FAULTY OR AFFECTED BY BACKWATER.
-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.2. CWDF Hydrologic Summary for November 1985

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
11/01/85	22.62	10.13	4.85	1.01	0.96	0.30
11/02/85	0.00	22.75	9.26	2.83	1.26	0.73
11/03/85	7.62	16.70	8.14	2.53	1.03	0.64
11/04/85	9.65	21.99	11.05	3.55	1.60 *	1.14
11/05/85	0.00	22.34	11.37	3.85	1.80 *	1.52
11/06/85	0.00	16.56	8.46	2.82	1.40 *	1.28
11/07/85	1.52	13.66	6.47	2.00	1.00 *	0.93
11/08/85	0.00	10.74	4.46	1.27	0.68 *	0.58
11/09/85	0.00	8.75	3.73	1.10	0.62	0.48
11/10/85	0.00	7.87	3.56	1.13	0.72	0.43
11/11/85	0.00	7.31	3.35	1.09	0.76	0.37
11/12/85	0.00	6.81	3.13	1.01	0.76	0.34
11/13/85	0.00	6.44	2.94	0.98	0.81	0.25
11/14/85	0.00	6.40	2.83	0.96	0.83	0.26
11/15/85	0.00	5.99	2.70	0.92	0.84	0.21
11/16/85	7.61	6.75	3.74	1.03	1.05	0.55
11/17/85	0.00	7.43	3.53	1.05	0.90	0.59
11/18/85	0.00	6.32	2.80	0.96	0.80	0.18
11/19/85	0.00	5.89	2.65	0.92	0.82	0.18
11/20/85	0.00	5.49	2.47	0.83	0.85	0.13
11/21/85	14.47	7.77	4.13	0.94	0.97	0.15
11/22/85	4.57	16.21	7.62	2.48	1.15	0.51
11/23/85	0.00	14.05	6.62	2.24	0.99	0.40
11/24/85	0.00	12.03	6.79	2.01	1.19	0.48
11/25/85	0.00	11.45	7.43	1.80	1.10	0.58
11/26/85	0.00	10.66	6.93	1.81	1.26	0.69
11/27/85	26.17	59.02	37.69	11.13	2.13	3.51
11/28/85	23.12	137.40	86.10	22.30	5.01	9.85
11/29/85	2.54	141.19	97.64	24.89	7.96	13.29
11/30/85	0.00	79.64	50.53	14.90	4.92	9.39
VOLUME (M**3)		60975.9	35680.6	10051.8	3989.1	4314.8
AVE FLOW (L/S)		23.52	13.77	3.88	1.54	1.66
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		9.52	9.51	7.13	10.99	5.28
PEAK FLOW (L/S)		344.00	191.78	72.00 *	11.39	23.82
MAX DAY (L/S)		141.19	97.64	24.89	7.96	13.29
MIN DAY (L/S)		5.49	2.47	0.83	0.62	0.13
TOTAL (MM)	119.89	24.69	24.64	18.48	28.49	13.70

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.3. CWDF Hydrologic Summary for December 1985

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
12/01/85	10.16	71.22	43.21	13.67	3.79	7.49
12/02/85	0.00	63.88	34.38	10.09	2.50	5.03
12/03/85	0.00	49.89	25.68	6.83	2.20	4.89
12/04/85	0.00	35.18	19.92	5.76	2.02	3.66
12/05/85	2.57	28.85	17.18	5.80	1.81	2.94
12/06/85	0.23	22.55	12.59	4.25	1.41	1.96
12/07/85	0.00	17.05	8.93	3.18	1.13	1.34
12/08/85	0.00	15.55	8.06	3.01	1.17	1.13
12/09/85	0.00	14.03	6.83	2.57	0.87	0.91
12/10/85	0.00	12.24	5.77	2.12	0.67	0.77
12/11/85	11.18	14.20	8.20	2.85	1.14	1.13
12/12/85	6.10	20.16	10.57	3.88	1.41	1.24
12/13/85	3.56	36.00	16.58	5.96	1.66	1.63
12/14/85	0.00	29.46	14.52	4.88	1.37	1.55
12/15/85	0.00	25.49	14.26	4.63	1.45	1.78
12/16/85	0.00	23.34	13.19	4.50	1.45	1.87
12/17/85	0.00	20.56	11.64	3.94	1.36	1.71
12/18/85	0.00	17.09	8.70	2.85	1.10	1.18
12/19/85	0.00	14.09	6.56	2.23	0.88	0.95
12/20/85	1.89	14.12	6.96	2.48	1.12	1.01
12/21/85	0.00	12.43	5.46	1.80	0.76	0.73
12/22/85	0.00	11.69	5.56	1.91	0.90	0.78
12/23/85	0.00	12.40	6.40	2.13	1.08	0.81
12/24/85	0.51	11.48	5.65	1.76	1.06	0.77
12/25/85	0.00	9.55	3.60	1.05	0.67	0.43
12/26/85	0.00	8.02	3.13	0.89	0.71	0.44
12/27/85	0.00	8.17	3.41	0.97	0.71	0.47
12/28/85	0.00	7.78	3.13	0.85	0.65	0.36
12/29/85	0.00	7.49	2.97	0.82	0.64	0.32
12/30/85	0.00	7.02	2.65	0.73	0.62	0.29
12/31/85	20.56	21.63	10.01	3.01	1.15	1.00
VOLUME (M**3)		57249.5	29868.5	9642.2	3409.3	4369.2
AVE FLOW (L/S)		21.37	11.15	3.60	1.27	1.63
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		8.65	7.70	6.62	9.09	5.18
PEAK FLOW (L/S)		88.00	57.66	19.74	4.67	11.75
MAX DAY (L/S)		71.22	43.21	13.67	3.79	7.49
MIN DAY (L/S)		7.02	2.65	0.73	0.62	0.29
TOTAL (MM)	56.76	23.18	20.63	17.72	24.35	13.87

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Table A.4. CWDF Hydrologic Summary for January 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
01/01/86	0.00	18.89	7.79	2.90	0.94	0.64
01/02/86	0.00	14.56	6.72	2.56	0.89	0.63
01/03/86	0.00	14.24	7.16	2.71	0.83	0.70
01/04/86	0.00	13.10	6.88	2.69	0.82	0.74
01/05/86	0.00	12.46	5.89	2.17	0.66	0.62
01/06/86	0.00	10.92	5.17	1.90	0.64	0.62
01/07/86	0.00	10.24	4.96	1.75	0.58	0.61
01/08/86	0.00	8.61	3.67	1.22	0.51	0.52
01/09/86	0.00	8.05	3.66	1.26	0.52	0.56
01/10/86	0.00	9.05	4.68	1.68	0.60	0.54
01/11/86	0.00	8.89	4.25	1.48	0.58	0.35
01/12/86	0.00	8.30	4.17	1.42	0.67	0.39
01/13/86	0.00	8.12	3.89	1.27	0.58	0.34
01/14/86	0.00	7.58	3.62	1.14	0.58	0.36
01/15/86	0.00	7.18	3.09	0.97	0.49	0.28
01/16/86	0.00	6.56	2.87	0.89	0.48	0.26
01/17/86	0.00	6.43	3.12	0.97	0.59	0.28
01/18/86	11.41	6.88	3.86	1.19	0.74	0.40
01/19/86	7.12	27.10	13.12	3.79	1.36	1.43
01/20/86	0.00	16.02	7.64	2.34	1.05	0.76
01/21/86	0.00	13.74	6.52	1.85	0.86	0.89
01/22/86	0.00	12.91	6.67	1.89	0.98	1.04
01/23/86	0.00	11.39	5.37	1.47	0.74	0.79
01/24/86	0.00	10.90	5.30	1.52	0.75	0.82
01/25/86	14.76	13.06	7.16	2.18	1.00	1.11
01/26/86	1.76	29.45	13.75	4.86	1.26	1.87
01/27/86	0.00	28.57	13.93	4.82	1.15	1.84
01/28/86	0.00	23.86	12.85	4.26	1.19	2.06
01/29/86	0.00	24.10	14.09	4.54	1.46	2.47
01/30/86	0.00	18.73	9.62	3.03	0.92	1.70
01/31/86	0.00	15.97	8.21	2.80	0.85	1.33
VOLUME (M**3)		36794.3	18116.4	6006.5	2183.3	2328.5
AVE FLOW (L/S)		13.74	6.76	2.24	0.82	0.87
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		5.56	4.67	4.12	5.82	2.76
PEAK FLOW (L/S)		42.50	27.38	6.31	3.19	4.71
MAX DAY (L/S)		29.45	14.09	4.86	1.46	2.47
MIN DAY (L/S)		6.43	2.87	0.89	0.48	0.26
TOTAL (MM)	35.05	14.90	12.51	11.04	15.60	7.39

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.5. CWDF Hydrologic Summary for February 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
02/01/86	0.00	14.97	7.83	2.65	0.90	1.12
02/02/86	3.82	14.77	8.56	2.86	1.07	1.34
02/03/86	0.00	16.00	9.42	3.14	1.07	1.53
02/04/86	11.32	14.72	9.09	3.13	1.16	1.56
02/05/86	5.57	61.63	32.09	9.98	1.86	4.06
02/06/86	6.10	60.84	38.22	10.92	3.02	5.69
02/07/86	0.00	59.63	36.00 *	11.00 *	3.07	5.78
02/08/86	0.00	50.98	32.00 *	10.00 *	2.67	5.35
02/09/86	0.00	41.47	25.00 *	9.20 *	2.62	4.75
02/10/86	7.12	36.21	22.00 *	8.50 *	2.43	4.40
02/11/86	1.27	41.82	24.00 *	9.00 *	2.05	3.88
02/12/86	0.00	27.20	17.00 *	6.00 *	1.58	2.79
02/13/86	0.00	23.93	15.00 *	5.60 *	1.36	2.48
02/14/86	22.24	30.60	20.00 *	6.80 *	2.00	3.71
02/15/86	0.63	30.47	20.00 *	6.90 *	1.78	3.30
02/16/86	0.00	41.53	24.00 *	9.00 *	1.79	3.57
02/17/86	44.61	372.84	200.00 *	75.00 *	17.62	24.75
02/18/86	3.01	443.88	250.00 *	95.00 *	28.57	49.07 *
02/19/86	0.00	197.19	100.00 *	35.00 *	13.74	28.32
02/20/86	0.00	115.23	70.10	25.16	7.86	16.46
02/21/86	0.00	80.61	47.51	18.57	7.03 *	11.42
02/22/86	7.11	66.16	36.44	13.06	4.28	8.56
02/23/86	0.00	54.30	26.11	9.34	2.90	5.98
02/24/86	6.10	52.63	26.65	9.02	3.15	6.41
02/25/86	0.00	44.32	20.91	7.07	2.48	5.19
02/26/86	0.51	43.54	23.33	7.75	2.92	5.12
02/27/86	3.05	41.47	22.15	7.41	3.13	4.97
02/28/86	0.00	28.51	14.15	5.54	1.94	3.18
VOLUME (M**3)		182083.7	101741.2	36512.6	10890.7	19417.5
AVE FLOW (L/S)		75.27	42.06	15.09	4.50	8.03
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		30.47	29.04	27.74	32.16	25.48
PEAK FLOW (L/S)		736.00	300.00 *	120.00 *	42.04	80.00 *
MAX DAY (L/S)		443.88	250.00	95.00	28.57	49.07
MIN DAY (L/S)		14.72	7.83	2.65	0.90	1.12
TOTAL (MM)	122.46	73.72	70.26	67.12	77.79	61.64

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.6. CWDF Hydrologic Summary for March 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
03/01/86	0.00	23.75	11.36	4.78	1.58	2.52
03/02/86	0.00	22.13	11.29	4.87	1.74	2.43
03/03/86	0.00	21.84	10.98	4.59	1.82	2.34
03/04/86	0.00	19.29	9.22	3.98	1.64	2.12
03/05/86	0.00	17.46	8.03	3.57	1.45	1.82
03/06/86	0.64	17.42	8.44	3.69	1.51	1.92
03/07/86	0.00	15.30	6.70	2.95	1.32	1.55
03/08/86	0.00	13.33	5.43	2.51	1.16	1.33
03/09/86	0.00	12.68	5.67	2.69	1.21	1.28
03/10/86	0.00	13.06	6.63	3.20	1.60	1.47
03/11/86	4.83	15.34	7.57	3.24	1.41	1.71
03/12/86	17.40	40.87	17.65	7.47	1.89	3.15
03/13/86	13.97	78.95	39.13	14.91	2.92	5.99
03/14/86	4.06	77.16	41.82	14.31	4.03	7.72
03/15/86	0.51	66.28	36.77	12.29	3.40	6.79
03/16/86	0.00	56.54	29.14	9.34	2.68	5.78
03/17/86	0.00	46.60	22.51	8.35	2.34	5.05
03/18/86	0.03	38.94	20.42	8.09	2.42	4.57
03/19/86	33.24	211.32	122.34	31.76	9.87	14.57
03/20/86	0.00	115.14	71.95	22.83	7.80	11.98
03/21/86	0.00	75.75	42.37	13.92	4.62	10.98
03/22/86	0.00	59.50	29.62	10.26	3.39	8.82
03/23/86	0.00	48.71	24.04	7.92	2.92	7.27
03/24/86	0.00	37.01	18.75	6.97	2.15	5.63
03/25/86	0.00	28.82	15.15	5.99	2.01	4.33
03/26/86	0.00	25.18	13.62	5.61	2.16	3.36
03/27/86	0.00	22.49	12.01	5.10	1.89 *	2.89
03/28/86	0.00	19.38	9.75	4.28	1.52	2.76
03/29/86	0.00	17.42	8.89	3.93	1.50	2.50 *
03/30/86	0.00	16.47	8.52	3.68	1.49	2.40 *
03/31/86	0.00	15.35	7.92	3.41	1.39	2.20 *
VOLUME (M**3)		111411.1	59070.8	20778.3	6810.9	12029.5
AVE FLOW (L/S)		41.60	22.05	7.76	2.54	4.49
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		16.84	15.23	14.26	18.16	14.26
PEAK FLOW (L/S)		718.00	291.53	100.00 *	17.68	37.40
MAX DAY (L/S)		211.32	122.34	31.76	9.87	14.57
MIN DAY (L/S)		12.68	5.43	2.51	1.16	1.28
TOTAL (MM)	74.68	45.11	40.79	38.20	48.65	38.19

NOTE: AN ASTERISK (*) AFTER THE DATA INDICATES AN ADJUSTED VALUE, WHERE THE ORIGINAL STAGE RECORD WAS INCOMPLETE, FAULTY OR AFFECTED BY BACKWATER.
-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.7. CWDF Hydrologic Summary for April 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
04/01/86	0.00	14.27	7.55	3.14	1.47	2.00 *
04/02/86	0.00	13.66	7.45	3.04	1.52	1.90 *
04/03/86	0.00	12.86	6.98	2.82	1.48	1.80 *
04/04/86	0.00	11.33	6.14	2.17	1.58	1.40 *
04/05/86	0.00	10.26	5.57	1.70	1.76	1.04
04/06/86	5.08	11.08	5.88	1.68	1.90	1.18
04/07/86	0.00	11.35	5.91	1.65	1.82	1.15
04/08/86	19.57	29.44	14.03	4.06	2.39	2.50
04/09/86	0.00	17.21	7.60	2.26	1.86	1.22
04/10/86	0.00	14.00	5.77	1.68	1.56	0.95
04/11/86	0.00	12.87	5.50	1.62	1.63	0.93
04/12/86	0.00	12.02	5.08	1.47	1.46	0.88
04/13/86	0.00	11.29	4.99	1.44	1.56	0.90
04/14/86	1.02	10.66	4.90	1.43	1.66	0.88
04/15/86	0.50	9.76	4.52	1.34	1.63	0.78
04/16/86	0.00	9.11	4.15	1.08	1.53	0.58
04/17/86	0.00	8.74	4.05	1.06	1.56	0.57
04/18/86	0.00	8.31	3.59	0.98	1.20	0.52
04/19/86	0.00	7.75	3.48	1.00	1.28	0.52
04/20/86	7.49	8.27	4.68	1.27	1.71	0.73
04/21/86	3.30	11.00	5.73	1.35	1.63	0.79
04/22/86	0.00	8.72	3.95	0.90	1.17	0.46
04/23/86	0.00	7.50	2.83	0.68	1.02	0.32
04/24/86	0.00	6.96	2.75	0.72	1.07	0.35
04/25/86	0.00	6.69	2.80	0.80	1.12	0.41
04/26/86	0.00	6.33	2.78	0.83	1.16	0.42
04/27/86	0.00	5.92	2.58	0.79	1.18	0.39
04/28/86	10.41	7.64	4.04	0.94	1.53	0.54
04/29/86	0.00	6.92	3.10	0.80	1.15	0.42
04/30/86	0.00	5.65	2.42	0.68	1.09	0.32
VOLUME (M**3)		27438.0	13029.1	3920.8	3860.4	2319.8
AVE FLOW (L/S)		10.59	5.03	1.51	1.49	0.89
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		4.29	3.47	2.78	10.64	2.84
PEAK FLOW (L/S)		53.80	29.51	6.84	4.51	6.54
MAX DAY (L/S)		29.44	14.03	4.06	2.39	2.50
MIN DAY (L/S)		5.65	2.42	0.68	1.02	0.32
TOTAL (MM)	47.37	11.11	9.00	7.21	27.57	7.36

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.8. CWDF Hydrologic Summary for May 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
05/01/86	0.00	5.38	2.50	0.72	1.39	0.31
05/02/86	0.00	5.06	1.75	0.51	0.91	0.17
05/03/86	0.00	4.68	1.36	0.37	0.76	0.08
05/04/86	0.00	4.58	1.23	0.32	0.74	0.08
05/05/86	0.00	4.51	1.29	0.37	0.85	0.10
05/06/86	0.00	4.54	1.41	0.41	0.99	0.13
05/07/86	0.00	4.41	1.42	0.41	0.95	0.12
05/08/86	0.00	4.26	1.33	0.37	0.96	0.11
05/09/86	0.00	4.05	1.01	0.27	0.75	0.08
05/10/86	0.00	3.92	0.96	0.27	0.84	0.08
05/11/86	0.00	3.81	1.08	0.26	0.99	0.08
05/12/86	0.00	3.69	1.20	0.27	1.04	0.08
05/13/86	0.25	3.78	1.24	0.28	1.01	0.08
05/14/86	0.00	3.66	1.03	0.24	0.90	0.07
05/15/86	0.00	3.47	0.87	0.20	0.95	0.07
05/16/86	0.00	3.28	0.78	0.16	0.86	0.05
05/17/86	0.00	3.11	0.65	0.13	0.76	0.02
05/18/86	7.49	3.47	1.13	0.17	1.13	0.03
05/19/86	0.00	3.65	1.23	0.22	1.02	0.02
05/20/86	0.00	3.43	0.85	0.15	0.77	0.01
05/21/86	0.00	3.26	0.56	0.08	0.69	0.01
05/22/86	0.00	3.12	0.40	0.05	0.63	0.01
05/23/86	20.57	6.51	2.65	0.23	1.13	0.02
05/24/86	33.02	12.23	6.07	0.61	1.39	0.66
05/25/86	3.30	21.19	6.73	1.25	1.47	0.62
05/26/86	9.69	8.81	3.69	0.67	1.32	0.29
05/27/86	3.40	17.15	6.22	1.20	1.60	0.67
05/28/86	10.79	17.06	6.04	1.28	1.48	0.56
05/29/86	0.00	10.66	3.59	0.90	1.21	0.35
05/30/86	0.00	7.23	2.32	0.63	0.98	0.19
05/31/86	0.00	5.69	1.70	0.47	0.86	0.13
VOLUME (M**3)		16731.4	5554.7	1163.8	2706.9	456.2
AVE FLOW (L/S)		6.25	2.07	0.43	1.01	0.17
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		2.53	1.43	0.80	7.22	0.54
PEAK FLOW (L/S)		152.00	99.45	7.53	15.96	16.90
MAX DAY (L/S)		21.19	6.73	1.28	1.60	0.67
MIN DAY (L/S)		3.11	0.40	0.05	0.63	0.01
TOTAL (MM)	88.51	6.77	3.84	2.14	19.34	1.45

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Table A.9. CWDF Hydrologic Summary for June 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
06/01/86	3.79	4.85	1.44	0.41	0.93	0.11
06/02/86	0.00	4.77	1.38	0.40	1.03	0.09
06/03/86	0.00	4.03	1.06	0.34	1.00	0.07
06/04/86	0.00	4.06	1.12	0.28	1.18	0.06
06/05/86	24.89	13.14	4.21	0.64	0.98	0.10
06/06/86	0.00	13.00	3.74	0.95	0.80	0.11
06/07/86	0.00	6.93	1.88	0.51	0.73	0.11
06/08/86	2.03	5.69	1.53	0.39	0.75	0.09
06/09/86	2.79	5.10	1.61	0.31	0.86	0.08
06/10/86	0.00	5.60	1.82	0.33	0.84	0.08
06/11/86	0.00	4.67	1.43	0.28	0.79	0.09
06/12/86	0.00	3.88	1.01	0.21	0.74	0.05
06/13/86	0.00	3.38	0.69	0.12	0.65	0.02
06/14/86	0.00	2.92	0.55	0.08	0.60	0.01
06/15/86	0.00	2.52	0.48	0.07	0.64	0.01
06/16/86	0.00	2.25	0.40	0.05	0.58	0.00
06/17/86	0.00	2.03	0.39	0.04	0.63	0.00
06/18/86	0.00	1.87	0.37 *	0.02	0.57	0.00
06/19/86	0.00	1.85	0.35 *	0.02	0.59	0.00
06/20/86	0.00	1.85	0.34 *	0.02	0.59	0.00
06/21/86	0.00	1.50	0.32 *	0.02	0.60	0.00
06/22/86	0.00	1.41	0.30 *	0.02	0.55	0.00
06/23/86	0.00	1.30 *	0.28 *	0.02	0.55	0.00
06/24/86	0.00	1.20 *	0.26 *	0.02	0.64	0.00
06/25/86	0.00	1.10 *	0.25 *	0.01	0.55	0.00
06/26/86	0.00	1.00 *	0.23 *	0.01	0.64	0.00
06/27/86	0.00	0.90 *	0.21 *	0.01	0.77	0.00
06/28/86	0.00	0.80 *	0.19 *	0.01	0.73	0.00
06/29/86	0.00	0.70 *	0.17 *	0.01	0.81	0.00
06/30/86	0.00	0.80 *	0.16 *	0.02	0.75	0.00
VOLUME (M**3)		9080.6	2433.9	485.6	1906.8	93.3
AVE FLOW (L/S)		3.50	0.94	0.19	0.74	0.04
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		1.42	0.65	0.34	5.25	0.11
PEAK FLOW (L/S)		73.00	29.72	4.26	11.39	0.49
MAX DAY (L/S)		13.14	4.21	0.95	1.18	0.11
MIN DAY (L/S)		0.70	0.16	0.01	0.55	0.00
TOTAL (MM)	33.50	3.68	1.68	0.89	13.62	0.30

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.10. CWDF Hydrologic Summary for July 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
07/01/86	6.86	1.51	0.24	0.02	0.90	0.00
07/02/86	29.08	5.46	1.23	0.10	1.14	0.00
07/03/86	0.00	2.59	0.50 *	0.02	0.62	0.00
07/04/86	0.00	1.94	0.20	0.01	0.51	0.00
07/05/86	0.00	1.61	0.17	0.01	0.56	0.00
07/06/86	0.00	1.32	0.16	0.01	0.53	0.00
07/07/86	0.00	0.90 *	0.14	0.01	0.52	0.00
07/08/86	0.00	0.70 *	0.11	0.01	0.63	0.00
07/09/86	0.00	0.50 *	0.12	0.01	0.67	0.00
07/10/86	11.43	1.42	0.50	0.01	0.81	0.00
07/11/86	1.02	1.59 *	0.34	0.01	0.76	0.00
07/12/86	0.00	0.96	0.25	0.01	0.64	0.00
07/13/86	12.70	1.31	0.53	0.02	0.74	0.00
07/14/86	9.91	2.24	0.94	0.04	0.79	0.00
07/15/86	0.00	2.81	0.65	0.03	0.70	0.00
07/16/86	0.00	1.73	0.38	0.02	0.66	0.00
07/17/86	0.00	1.47	0.27	0.01	0.52	0.00
07/18/86	0.00	0.90 *	0.19	0.01	0.47	0.00
07/19/86	0.00	0.60 *	0.16	0.01	0.48	0.00
07/20/86	0.00	0.50 *	0.14	0.01	0.45	0.00
07/21/86	0.00	0.45 *	0.14 *	0.01	0.49	0.00
07/22/86	0.00	0.40 *	0.13 *	0.01	0.48	0.00
07/23/86	0.00	0.34 *	0.12	0.01	0.53	0.00
07/24/86	0.00	0.30 *	0.11 *	0.01 *	0.55	0.00
07/25/86	0.00	0.28 *	0.10	0.01 *	0.54	0.00
07/26/86	0.00	0.26 *	0.09	0.01 *	0.58	0.00
07/27/86	1.78	0.26 *	0.09	0.01 *	0.59	0.00
07/28/86	0.00	0.26 *	0.09	0.01 *	0.64	0.00
07/29/86	0.00	0.24 *	0.08	0.01 *	0.53	0.00
07/30/86	0.00	0.24 *	0.08 *	0.01 *	0.39	0.00
07/31/86	5.59	0.30 *	0.11	0.01	0.64	0.00
VOLUME (M**3)		3057.7	722.3	42.3	1646.8	0.0
AVE FLOW (L/S)		1.14	0.27	0.02	0.61	0.00
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		0.46	0.19	0.03	4.39	0.00
PEAK FLOW (L/S)		15.70	5.29	0.49	3.82	0.00
MAX DAY (L/S)		5.46	1.23	0.10	1.14	0.00
MIN DAY (L/S)		0.24	0.08	0.01	0.39	0.00
TOTAL (MM)	78.37	1.24	0.50	0.08	11.76	0.00

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Table A.11. CWDF Hydrologic Summary for August 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
08/01/86	0.00	0.60 *	0.20	0.01 *	0.40	0.00
08/02/86	0.00	0.40 *	0.13	0.01 *	0.45	0.00
08/03/86	0.00	0.28 *	0.08	0.01 *	0.35	0.00
08/04/86	0.00	0.26 *	0.07	0.01 *	0.39	0.00
08/05/86	0.00	0.22 *	0.06	0.01 *	0.38	0.00
08/06/86	2.04	0.26 *	0.07	0.01 *	0.61	0.00
08/07/86	4.06	0.34 *	0.13	0.03 *	0.61	0.00
08/08/86	0.00	0.32 *	0.19	0.03 *	0.53	0.00
08/09/86	0.00	0.30 *	0.12	0.03 *	0.60	0.00
08/10/86	16.10	0.80 *	0.17	0.03 *	0.52	0.00
08/11/86	9.80	3.02	0.66	0.10 *	0.75	0.00
08/12/86	0.00	1.44	0.27	0.06 *	0.46	0.00
08/13/86	0.00	1.17	0.21	0.04 *	0.25	0.00
08/14/86	0.00	0.90 *	0.19	0.02 *	0.39	0.00
08/15/86	0.00	0.85 *	0.17	0.01 *	0.41	0.00
08/16/86	2.79	0.80 *	0.16	0.01 *	0.49	0.00
08/17/86	0.00	0.90 *	0.25	0.02 *	0.56	0.00
08/18/86	0.00	0.75 *	0.18	0.01 *	0.48	0.00
08/19/86	0.00	0.60 *	0.13	0.01 *	0.42	0.00
08/20/86	20.58	3.22	0.54	0.10 *	0.67	0.00
08/21/86	0.00	1.22	0.25	0.06 *	0.57	0.00
08/22/86	0.00	1.00 *	0.20	0.04 *	0.51	0.00
08/23/86	0.00	0.85 *	0.17	0.02 *	0.50	0.00
08/24/86	0.00	0.70 *	0.14	0.02 *	0.49	0.00
08/25/86	0.00	0.55 *	0.08	0.01 *	0.36	0.00
08/26/86	30.86	2.99	0.49	0.04 *	0.73	0.00
08/27/86	25.27	9.14	1.86	0.70 *	1.05	0.00
08/28/86	10.93	7.44	1.27	0.50 *	0.46	0.00
08/29/86	0.00	3.12	0.35	0.10 *	0.20	0.00
08/30/86	0.00	2.03	0.29	0.08 *	0.22	0.00
08/31/86	1.36	1.87	0.35	0.10 *	0.32	0.00
VOLUME (M**3)		4176.6	814.8	192.7	1307.2	0.0
AVE FLOW (L/S)		1.56	0.30	0.07	0.49	0.00
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		0.63	0.21	0.13	3.49	0.00
PEAK FLOW (L/S)		64.00	23.67	8.00 *	7.83	0.00
MAX DAY (L/S)		9.14	1.86	0.70	1.05	0.00
MIN DAY (L/S)		0.22	0.06	0.01	0.20	0.00
TOTAL (MM)	123.79	1.69	0.56	0.35	9.34	0.00

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Table A.12. CWDF Hydrologic Summary for September 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
09/01/86	10.92	3.18	0.74	0.30 *	0.40	0.00
09/02/86	21.34	11.54	2.57	1.00 *	0.77	0.00
09/03/86	0.00	7.13	1.15	0.40 *	0.48	0.00
09/04/86	3.30	4.51	0.83	0.10 *	0.46	0.00
09/05/86	2.29	3.60	0.66	0.04	0.34	0.00
09/06/86	0.00	2.40	0.35	0.02	0.17	0.00
09/07/86	0.00	1.78	0.31	0.02	0.16	0.00
09/08/86	0.00	1.56	0.30 *	0.02	0.18	0.00
09/09/86	0.00	1.45	0.28 *	0.03	0.17	0.00
09/10/86	0.00	1.25	0.26 *	0.05	0.23	0.00
09/11/86	0.00	1.20	0.24 *	0.03	0.25	0.00
09/12/86	10.66	2.26	0.56	0.13	0.27	0.00
09/13/86	0.00	1.36	0.26	0.06	0.16	0.00
09/14/86	0.00	1.22	0.24	0.05	0.18	0.00
09/15/86	0.00	1.18	0.22	0.05	0.21	0.00
09/16/86	8.51	2.10	0.49	0.12	0.29	0.00
09/17/86	0.76	1.45	0.37	0.11	0.26	0.00
09/18/86	0.00	1.38	0.40	0.05	0.31	0.00
09/19/86	3.81	1.58	0.44	0.04	0.34	0.00
09/20/86	0.64	1.78	0.47	0.08	0.31	0.00
09/21/86	0.00	1.61	0.42	0.07	0.27	0.00
09/22/86	0.00	1.42	0.42	0.05	0.24	0.00
09/23/86	6.35	1.79	0.61	0.12	0.28	0.00
09/24/86	0.00	1.47	0.44	0.12	0.25	0.00
09/25/86	0.00	1.33	0.37	0.07	0.22	0.00
09/26/86	0.00	1.18	0.32 *	0.06	0.22	0.00
09/27/86	0.00	1.09	0.28 *	0.07	0.19	0.00
09/28/86	0.00	1.06	0.22 *	0.08	0.20	0.00
09/29/86	0.76	1.06	0.30 *	0.09	0.22	0.00
09/30/86	0.00	1.09	0.74	0.12	0.24	0.00
VOLUME (M**3)		5789.7	1318.5	306.7	714.5	0.0
AVE FLOW (L/S)		2.23	0.51	0.12	0.28	0.00
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		0.90	0.35	0.22	1.97	0.00
PEAK FLOW (L/S)		30.30	11.96	3.00 *	2.76	0.00
MAX DAY (L/S)		11.54	2.57	1.00	0.77	0.00
MIN DAY (L/S)		1.06	0.22	0.02	0.16	0.00
TOTAL (MM)	69.34	2.34	0.91	0.56	5.10	0.00

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.13. CWDF Hydrologic Summary for October 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
10/01/86	0.00	1.05 *	0.69	0.12 *	0.24 *	0.00
10/02/86	0.00	1.00 *	0.86	0.12 *	0.24 *	0.00
10/03/86	0.00	0.96 *	0.71	0.11 *	0.23 *	0.00
10/04/86	0.00	0.94 *	0.54	0.11 *	0.23 *	0.00
10/05/86	0.00	0.92 *	0.48	0.10 *	0.22 *	0.00
10/06/86	0.00	0.90 *	0.41	0.09 *	0.21 *	0.00
10/07/86	0.00	0.88 *	0.39 *	0.08 *	0.20 *	0.00
10/08/86	0.00	0.86 *	0.37 *	0.07 *	0.20 *	0.00
10/09/86	3.93	0.95 *	0.58	0.14 *	0.32 *	0.00
10/10/86	15.12	2.12	0.82	0.20 *	0.45 *	0.00
10/11/86	7.37	4.20	1.19	0.30 *	0.65 *	0.00
10/12/86	20.70	4.16	1.29	0.32 *	0.70 *	0.00
10/13/86	19.38	15.09	3.54	0.88 *	0.96 *	0.00
10/14/86	5.52	11.13	1.77	0.44 *	0.50 *	0.00
10/15/86	0.00	5.13	0.81 *	0.20 *	0.47 *	0.00
10/16/86	0.00	3.66	0.58 *	0.14 *	0.43 *	0.00
10/17/86	0.00	3.03	0.48 *	0.12 *	0.42 *	0.00
10/18/86	0.00	2.69	0.43 *	0.11 *	0.41 *	0.00
10/19/86	0.00	2.48	0.40 *	0.10 *	0.40 *	0.00
10/20/86	0.00	2.45	0.39 *	0.10 *	0.39 *	0.00
10/21/86	0.00	2.34	0.37 *	0.09 *	0.38 *	0.00
10/22/86	0.00	2.31	0.36 *	0.08 *	0.37 *	0.00
10/23/86	0.00	2.31	0.36 *	0.07 *	0.36 *	0.00
10/24/86	5.14	2.44	0.38 *	0.08 *	0.38 *	0.00
10/25/86	51.79	49.34	9.79	2.06 *	2.60 *	0.00
10/26/86	0.51	19.01	5.51	1.16 *	1.50 *	0.15
10/27/86	0.00	8.84	2.78	0.58 *	0.75 *	0.02
10/28/86	0.00	6.37	1.79	0.37 *	0.48 *	0.00
10/29/86	0.00	5.49	1.54 *	0.29 *	0.45 *	0.00
10/30/86	0.00	4.87	1.36 *	0.24 *	0.43 *	0.00
10/31/86	0.00	4.34	1.21 *	0.21 *	0.38 *	0.00
VOLUME (M**3)		14883.3	3644.4	784.5	1378.1	14.7
AVE FLOW (L/S)		5.56	1.36	0.29	0.51	0.01
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		2.25	0.94	0.54	3.68	0.02
PEAK FLOW (L/S)		76.00	17.81	-99.00	-99.00	0.98 *
MAX DAY (L/S)		49.34	9.79	2.06	2.60	0.15
MIN DAY (L/S)		0.86	0.36	0.07	0.20	0.00
TOTAL (MM)	129.46	6.03	2.52	1.44	9.84	0.05

NOTE: AN ASTERISK (*) AFTER THE DATA INDICATES AN ADJUSTED VALUE, WHERE THE ORIGINAL STAGE RECORD WAS INCOMPLETE, FAULTY OR AFFECTED BY BACKWATER. -99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.14. CWDF Hydrologic Summary for November 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
11/01/86	0.76	4.08	1.14 *	0.20 *	0.37 *	0.00
11/02/86	0.00	3.91	1.09 *	0.19 *	0.36 *	0.00
11/03/86	0.00	3.73	1.04 *	0.18 *	0.35 *	0.00
11/04/86	2.79	3.66	1.02 *	0.17 *	0.34 *	0.00
11/05/86	2.03	4.06	1.13 *	0.19 *	0.32	0.03 *
11/06/86	0.00	3.93	1.09 *	0.18 *	0.30	0.09 *
11/07/86	17.26	5.90	2.44	0.77	0.29	0.15 *
11/08/86	0.51	8.95	2.97	0.89	0.36	0.30 *
11/09/86	9.91	11.34	4.23	1.16	0.37	0.28 *
11/10/86	0.00	9.51	3.23	1.52	0.29	0.26 *
11/11/86	20.56	32.56	12.49	5.07	1.03	0.60 *
11/12/86	0.00	22.03	8.73	4.00	1.20 *	0.50 *
11/13/86	0.00	12.06	4.61	2.08	0.60 *	0.40 *
11/14/86	4.32	8.29	2.97	1.21	0.50 *	0.30 *
11/15/86	3.31	9.01	4.14	1.58	0.48 *	0.26 *
11/16/86	0.75	8.10	3.73	1.47	0.46 *	0.22 *
11/17/86	0.76	7.22	3.40	1.35	0.44 *	0.18 *
11/18/86	0.00	6.50	2.90	1.24	0.44 *	0.16 *
11/19/86	0.00	5.62	2.23	0.89	0.44 *	0.14 *
11/20/86	12.19	10.21	4.61	1.46	0.64 *	0.20 *
11/21/86	0.00	10.95	3.77	1.59	0.60 *	0.18 *
11/22/86	0.00	8.22	3.03	1.28	0.58 *	0.16 *
11/23/86	12.07	10.30	5.25	1.99	0.56 *	0.15 *
11/24/86	14.36	59.46	23.09	7.94	2.10 *	1.20 *
11/25/86	9.41	44.50	21.05	7.04	2.00 *	1.30 *
11/26/86	11.94	85.66	42.73	10.22	2.52 *	1.40 *
11/27/86	0.00	50.72	25.11	7.42	2.30 *	1.28 *
11/28/86	0.00	27.49	15.29	5.07	2.10 *	1.13 *
11/29/86	0.00	18.48	10.31	3.77	1.86 *	1.00 *
11/30/86	0.89	14.50	8.06	2.95	1.65 *	0.86 *
VOLUME (M**3)		44146.1	19602.4	6486.0	2233.4	1099.9
AVE FLOW (L/S)		17.03	7.56	2.50	0.86	0.42
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		6.90	5.22	4.60	6.15	1.35
PEAK FLOW (L/S)		109.00	57.01	15.31	-99.00	3.71 *
MAX DAY (L/S)		85.66	42.73	10.22	2.52	1.40
MIN DAY (L/S)		3.66	1.02	0.17	0.29	0.00
TOTAL (MM)	123.82	17.87	13.54	11.92	15.95	3.49

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.15. CWDF Hydrologic Summary for December 1986

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
12/01/86	7.24	11.51	6.59	2.38	1.42 *	0.73 *
12/02/86	8.89	20.56	11.44	4.08	1.20 *	0.60 *
12/03/86	0.00	18.62	9.13	3.49	0.98 *	0.46 *
12/04/86	0.00	14.62	6.62	2.87	0.77 *	0.33 *
12/05/86	0.00	12.17	5.23	2.42	0.42	0.24
12/06/86	0.00	10.36	4.30	2.02	0.37	0.24
12/07/86	0.00	9.12	3.92	1.83	0.41	0.25
12/08/86	30.30	45.60	22.09	7.04	1.44	1.43
12/09/86	45.36	359.89	222.98	70.00 *	11.80	14.30
12/10/86	3.68	233.61	146.94	48.00 *	10.14	15.32
12/11/86	13.35	168.26	108.50	35.00 *	6.89	12.45
12/12/86	0.51	84.13	71.00	22.37	5.63	8.99
12/13/86	0.00	54.14	38.74	12.07	3.18	5.60
12/14/86	0.00	25.75	27.40	8.96	1.95	3.89
12/15/86	0.00	20.75	20.25	7.78	1.29	3.07
12/16/86	0.00	42.56	14.32	6.61	0.97	2.01
12/17/86	10.46	29.18	12.99	5.66	1.10	1.64
12/18/86	3.15	25.57	19.99	7.73	1.35	1.91
12/19/86	0.00	20.14	15.18	6.32	1.14	1.34
12/20/86	0.00	17.04	14.18	5.92	1.07	1.42
12/21/86	0.00	17.64	10.77	4.58	0.82	1.19
12/22/86	0.00	26.15	8.73	3.87	0.69	0.95
12/23/86	9.92	19.12	10.65	4.45	0.96	1.21
12/24/86	0.76	15.70	13.42	5.76	1.30	1.56
12/25/86	0.00	14.75	8.76	3.94	0.93	1.04
12/26/86	0.00	13.88	7.12	3.32	0.75	0.82
12/27/86	0.00	13.02	6.94	3.27	0.69	0.74
12/28/86	0.00	13.16	6.36	3.06	0.65	0.67
12/29/86	0.00	11.55	5.87	2.78	0.63	0.61
12/30/86	0.00	11.68	5.86	2.81	0.72	0.64
12/31/86	0.00	11.44	4.85	2.26	0.57	0.58
VOLUME (M**3)		120240.3	75264.8	26149.0	5376.7	7450.3
AVE FLOW (L/S)		44.89	28.10	9.76	2.01	2.78
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		18.18	19.41	17.95	14.34	8.83
PEAK FLOW (L/S)		478.00	308.69	110.00 *	18.85	21.70
MAX DAY (L/S)		359.89	222.98	70.00	11.80	15.32
MIN DAY (L/S)		9.12	3.92	1.83	0.37	0.24
TOTAL (MM)	133.62	48.68	51.98	48.07	38.40	23.65

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.16. CWDF Hydrologic Summary for January 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
01/01/87	2.53	12.40 *	5.24	2.47	0.62	0.66
01/02/87	0.51	11.00 *	4.16	2.06	0.66	0.56
01/03/87	0.00	9.27	3.15	1.50	0.50	0.45
01/04/87	0.00	8.42	2.90	1.44	0.57	0.40
01/05/87	0.00	7.99	2.61	1.30	0.48	0.34
01/06/87	0.00	7.55	2.75	1.26	0.49	0.33
01/07/87	0.00	7.34	2.77	1.39	0.62	0.34
01/08/87	0.00	7.09	2.29	1.19	0.47	0.29
01/09/87	3.05	6.80	3.00	1.16	0.53	0.31
01/10/87	2.30	7.81	2.79	1.43	0.62	0.35
01/11/87	0.51	7.32	2.38	1.26	0.53	0.27
01/12/87	0.00	6.55	2.14	1.04	0.42	0.22
01/13/87	0.00	6.06	2.02	1.00	0.43	0.21
01/14/87	4.61	5.91	2.43	1.08	0.57	0.23
01/15/87	2.27	7.97	3.70	1.41	0.71	0.39
01/16/87	0.00	7.42	3.19	1.46	0.65	0.32
01/17/87	2.57	6.81	2.83	1.35	0.57	0.26
01/18/87	54.35	52.44	19.98	6.79	1.63	1.79
01/19/87	18.73	632.83	337.93	130.00 *	27.81	25.58
01/20/87	0.00	208.26	127.60	45.00 *	11.52	16.63
01/21/87	0.00	118.70	72.56	25.00 *	6.72	11.72
01/22/87	12.20	89.44	53.18	17.62	4.80	9.47
01/23/87	0.00	64.97	33.56	10.36	3.02	5.92
01/24/87	0.00	50.75	25.81	7.69	1.99	4.57
01/25/87	23.63	104.00	54.54	15.58	3.02	6.80
01/26/87	0.98	151.24	93.81	22.37	6.42	9.26
01/27/87	1.78	99.92	60.89	15.57	6.08	8.22
01/28/87	0.00	74.47	42.73	11.71	4.50	6.94
01/29/87	0.00	60.16	31.89	9.24	3.46	5.67
01/30/87	0.00	52.05	26.90	7.98	2.97	4.85
01/31/87	0.00	36.85	18.36	6.44	1.83	3.41
VOLUME (M**3)		166733.9	90727.8	30685.0	8226.1	10952.1
AVE FLOW (L/S)		62.25	33.87	11.46	3.07	4.09
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		25.20	23.39	21.06	21.94	12.98
PEAK FLOW (L/S)		1160.00	526.91	200.00 *	57.26	38.33
MAX DAY (L/S)		632.83	337.93	130.00	27.81	25.58
MIN DAY (L/S)		5.91	2.02	1.00	0.42	0.21
TOTAL (MM)	130.02	67.50	62.66	56.41	58.76	34.77

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.17. CWDF Hydrologic Summary for February 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
02/01/87	0.00	30.11	16.44	6.13	1.73	2.59
02/02/87	10.29	42.28	21.86	7.60	2.24	3.04
02/03/87	0.00	35.33	16.26	6.27	1.76	2.23
02/04/87	0.00	26.89	13.23	6.01	1.56	1.90
02/05/87	0.00	23.96	12.44	6.55	1.39	1.85
02/06/87	0.00	23.56	12.74	6.53	1.54	1.92
02/07/87	0.00	23.77	12.68	6.39	1.48	2.10
02/08/87	0.00	21.73	11.66	5.84	1.65	2.00
02/09/87	0.00	17.06	7.82	4.18	1.04	1.40
02/10/87	0.00	14.81	6.60	3.79	0.91	1.13
02/11/87	0.00	14.18	6.96	3.97	1.20	1.15
02/12/87	0.00	14.42	7.51	4.10	1.26	1.31
02/13/87	0.00	12.89	6.09	3.09	1.01	1.12
02/14/87	6.09	14.10	7.74	3.65	1.32	1.35
02/15/87	2.29	14.46	7.43	3.58	1.35	1.37
02/16/87	25.39	81.36	35.70	13.43	2.70	4.09
02/17/87	2.67	81.03	44.61	13.50	4.38	6.19
02/18/87	2.53	71.66	39.88	12.79	4.52	6.21
02/19/87	0.00	59.75	31.14	10.07	3.67	5.11
02/20/87	2.80	51.87	26.58	9.37	3.10	4.80
02/21/87	1.01	48.51	25.06	9.38	2.91	4.59
02/22/87	21.72	73.50	38.24	14.08	3.46	5.88
02/23/87	0.00	123.54	74.92	25.34	5.34	8.21
02/24/87	0.00	88.67	55.02	17.44	6.41	7.83
02/25/87	0.00	68.19	38.12	12.60	4.71	6.66
02/26/87	15.27	57.33	30.99	10.67	3.96	6.28
02/27/87	28.93	311.23	184.76	64.00 *	15.99	16.94
02/28/87	21.98	325.23	205.14	70.00 *	20.65	22.52
VOLUME (M**3)		153050.7	86194.4	31134.2	8919.9	11384.9
AVE FLOW (L/S)		63.26	35.63	12.87	3.69	4.71
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		25.61	24.61	23.66	26.34	14.94
PEAK FLOW (L/S)		478.00	301.78	110.00 *	28.84	21.73
MAX DAY (L/S)		325.23	205.14	70.00	20.65	22.52
MIN DAY (L/S)		12.89	6.09	3.09	0.91	1.12
TOTAL (MM)	140.97	61.96	59.53	57.23	63.71	36.14

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.18. CWDF Hydrologic Summary for March 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
03/01/87	0.00	243.90	155.80	50.00 *	18.22	20.76
03/02/87	0.00	133.28	80.18	28.35	9.23	14.98
03/03/87	0.00	88.59	51.98	20.17	6.44	11.20
03/04/87	0.00	67.06	35.53	15.37	4.79	8.24
03/05/87	0.00	55.97	27.72	11.12	3.88	6.38
03/06/87	0.00	44.82	21.46	9.11	2.96	4.97
03/07/87	0.00	35.08	17.89	8.20	2.52	4.37
03/08/87	2.42	33.34	18.30	8.59	2.85	4.04
03/09/87	10.40	40.14	20.65	9.30	3.02	4.36
03/10/87	0.00	27.47	12.59	6.30	2.24	2.65
03/11/87	4.83	21.77	10.62	5.08	1.83	2.05
03/12/87	0.50	23.92	11.02	4.96	1.58	1.92
03/13/87	0.00	21.64	10.27	4.69	1.39	1.75
03/14/87	0.00	22.11	11.45	5.00	1.58	2.06
03/15/87	0.00	22.20	11.96	5.06	1.83	2.31
03/16/87	3.81	23.05	12.48	5.21	1.89	2.51
03/17/87	0.00	19.13	10.07	4.37	1.67	1.94
03/18/87	18.28	30.29	16.22	6.47	1.67	2.83
03/19/87	2.03	68.55	32.45	10.78	2.82	4.33
03/20/87	0.00	59.30	30.47	9.74	3.43	5.04
03/21/87	0.00	53.14	27.08	8.97	3.76	4.84
03/22/87	0.00	43.29	22.56	7.92	3.36	4.27
03/23/87	0.00	34.66	18.62	7.10	2.96	3.99
03/24/87	5.85	30.92	18.04	6.92	2.70	3.86
03/25/87	1.65	29.01	17.01	6.43	2.58	3.39
03/26/87	0.00	22.66	11.90	5.02	1.83	2.54
03/27/87	1.27	20.88	11.73	5.12	1.89	2.48
03/28/87	0.00	18.97	9.90	4.35	1.72	2.17
03/29/87	0.00	16.93	9.34	4.26	1.64	2.09
03/30/87	18.28	31.05	15.84	6.49	1.94	3.12
03/31/87	0.00	33.87	14.08	6.13	2.05	2.46
VOLUME (M**3)		122427.9	66978.1	25624.5	8836.1	12433.0
AVE FLOW (L/S)		45.71	25.01	9.57	3.30	4.64
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		18.51	17.27	17.59	23.56	14.74
PEAK FLOW (L/S)		344.00	223.84	80.00 *	27.12	26.43
MAX DAY (L/S)		243.90	155.80	50.00	18.22	20.76
MIN DAY (L/S)		16.93	9.34	4.26	1.39	1.75
TOTAL (MM)	69.32	49.57	46.26	47.10	63.12	39.47

NOTE: AN ASTERISK (*) AFTER THE DATA INDICATES AN ADJUSTED VALUE, WHERE THE ORIGINAL STAGE RECORD WAS INCOMPLETE, FAULTY OR AFFECTED BY BACKWATER. -99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.19. CWDF Hydrologic Summary for April 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
04/01/87	0.00	24.74	12.08	5.12	1.83	2.15
04/02/87	7.88	26.44	19.23	4.96	2.05	2.44
04/03/87	18.30	38.10	17.06	5.42	2.10	3.13
04/04/87	0.00	47.91	18.71	5.59	2.24	3.13
04/05/87	0.00	55.63	24.83	8.68	2.67	4.01
04/06/87	0.00	63.61	33.73	9.90	3.50	4.95
04/07/87	0.00	62.59	35.30	9.86	4.74	5.59
04/08/87	0.00	54.95	29.37	9.27	4.00	4.91
04/09/87	0.00	45.10	28.12	7.35	3.26	4.34
04/10/87	0.00	34.71	18.27	6.06	2.76	4.03
04/11/87	5.844	33.38	17.95	6.14	2.33	3.95
04/12/87	4.19	28.92	15.35	5.63	2.39	3.32
04/13/87	0.00	22.95	11.81	4.55	1.86	2.47
04/14/87	9.66	32.64	17.34	6.83	2.42	3.21
04/15/87	15.62	87.96	54.04	14.90	3.16	5.24
04/16/87	13.22	90.29	58.74	13.96	4.82	7.71
04/17/87	0.38	92.75	60.61	17.12	6.15	8.14
04/18/87	0.00	72.97	43.10	13.68	5.20	7.15
04/19/87	0.00	59.08	30.76	10.36	4.25	5.88
04/20/87	0.00	47.11	23.58	8.79	3.16	5.20
04/21/87	0.00	35.89	18.51	7.64	2.39	4.76
04/22/87	0.00	29.48	15.43	6.90	1.62	3.95
04/23/87	0.00	25.06	13.16	6.35	1.94	3.08
04/24/87	6.10	24.02	12.34	5.12	2.05	2.73
04/25/87	0.00	18.57	8.81	3.52	1.53	1.91
04/26/87	0.00	15.94	7.07	3.01	1.37	1.52
04/27/87	0.00	14.76	6.62	2.85	1.44	1.41
04/28/87	0.00	14.20	6.07	2.52	1.25	1.23
04/29/87	0.00	12.82	5.21	2.17	1.25	1.12
04/30/87	1.02	12.09	5.18	2.27	1.25	1.14
VOLUME (M**3)		105810.6	57748.0	18707.3	6996.7	9832.3
AVE FLOW (L/S)		40.82	22.28	7.22	2.70	3.79
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		16.53	15.39	13.27	19.28	12.04
PEAK FLOW (L/S)		123.00	73.31	32.79	6.92	10.19
MAX DAY (L/S)		92.75	60.61	17.12	6.15	8.14
MIN DAY (L/S)		12.09	5.18	2.17	1.25	1.12
TOTAL (MM)	82.21	42.84	39.88	34.39	49.98	31.21

NOTE: AN ASTERISK (*) AFTER THE DATA INDICATES AN ADJUSTED VALUE, WHERE THE ORIGINAL STAGE RECORD WAS INCOMPLETE, FAULTY OR AFFECTED BY BACKWATER. -99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.20. CWDF Hydrologic Summary for May 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
05/01/87	0.00	11.45	4.37	1.71	1.27	0.84
05/02/87	0.00	10.05	3.68	1.27	1.18	0.50
05/03/87	15.60	10.95	4.40	1.33	1.36	0.64
05/04/87	8.00	19.90	10.07	2.72	1.62	1.24
05/05/87	0.00	11.19	4.05	1.30	1.07	0.47
05/06/87	0.00	10.08	3.38	1.12	1.09	0.40
05/07/87	0.00	9.07	2.84	0.98	0.89	0.30
05/08/87	0.00	7.08	2.38	0.81	0.88	0.21
05/09/87	0.00	6.06	2.12	0.69	0.80	0.16
05/10/87	0.00	5.59	1.94	0.65	0.86	0.16
05/11/87	0.00	5.20	1.80	0.64	0.97	0.13
05/12/87	0.00	4.94	1.80	0.64	0.97	0.12
05/13/87	0.51	4.68	1.64	0.57	0.92	0.11
05/14/87	0.00	4.30	1.58	0.50	1.00	0.10
05/15/87	0.00	4.05	1.53	0.46	1.03	0.09
05/16/87	0.76	3.89	1.40	0.41	0.93	0.08
05/17/87	17.27	5.44	2.58	0.50	1.14	0.26
05/18/87	0.37	6.29	2.69	0.64	1.07	0.25
05/19/87	0.00	4.67	1.83	0.50	1.07	0.14
05/20/87	27.56	14.42	5.79	0.99	1.58	0.73
05/21/87	10.41	11.20	4.89	1.03	1.60	0.52
05/22/87	0.00	10.68	4.09	1.04	1.31	0.39
05/23/87	0.00	6.74	2.55	0.73	1.12	0.21
05/24/87	0.64	5.50	1.96	0.54	0.94	0.15
05/25/87	13.46	6.94	2.52	0.52	1.01	0.34
05/26/87	0.00	7.38	2.56	0.75	0.88	0.27
05/27/87	1.14	5.17	1.83	0.56	0.90	0.12
05/28/87	0.00	4.48	1.56	0.44	0.91	0.09
05/29/87	3.30	4.47	1.32	0.36	0.76	0.05
05/30/87	13.84	6.08	1.28	0.40	1.03	0.20
05/31/87	0.00	9.13	2.32	0.62	0.98	0.26
VOLUME (M**3)		20482.8	7668.0	2196.3	2863.3	823.4
AVE FLOW (L/S)		7.65	2.86	0.82	1.07	0.31
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		3.10	1.98	1.51	7.64	0.98
PEAK FLOW (L/S)		76.00	35.98	6.66	7.60	7.73
MAX DAY (L/S)		19.90	10.07	2.72	1.62	1.24
MIN DAY (L/S)		3.89	1.28	0.36	0.76	0.05
TOTAL (MM)	112.86	8.29	5.30	4.04	20.45	2.61

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.21. CWDF Hydrologic Summary for June 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
06/01/87	0.00	5.79	1.83	0.50	0.96	0.12
06/02/87	0.00	5.00	1.58	0.42	0.84	0.07
06/03/87	1.55	4.16	1.29	0.35	0.84	0.05
06/04/87	0.00	3.78	1.47 *	0.29	0.83	0.03
06/05/87	0.00	3.22	1.22 *	0.15	0.50	0.01
06/06/87	0.00	2.92	1.08 *	0.09	0.44	0.01
06/07/87	0.00	2.71	0.98 *	0.07	0.43	0.01
06/08/87	0.00	2.49	0.87 *	0.06	0.48	0.01
06/09/87	0.00	2.32	0.79 *	0.05	0.49	0.01
06/10/87	0.00	2.25	0.74 *	0.06	0.56	0.00
06/11/87	0.00	2.08	0.67 *	0.05	0.57	0.00
06/12/87	6.35	2.15	0.67 *	0.06	0.64	0.00
06/13/87	1.02	2.66	0.79	0.06	0.67	0.00
06/14/87	0.00	2.41	0.62	0.06	0.55	0.00
06/15/87	0.76	2.22	0.60	0.06	0.53	0.00
06/16/87	0.63	2.27	0.64	0.07	0.64	0.00
06/17/87	1.65	2.55	0.72	0.07	0.57	0.00
06/18/87	2.03	2.23	0.60	0.06	0.51	0.00
06/19/87	2.41	2.36	0.67	0.07	0.49	0.00
06/20/87	3.30	2.53	0.80	0.08	0.52	0.00
06/21/87	9.40	2.79	0.79	0.09	0.49	0.00
06/22/87	30.73	15.42	8.99	1.54	0.84	0.00
06/23/87	0.25	11.67	4.50	0.96	0.65	0.00
06/24/87	0.00	5.12	1.92	0.60	0.44	0.00
06/25/87	0.00	3.96	1.32	0.38	0.41	0.00
06/26/87	3.81	3.58	1.30	0.29	0.40	0.00
06/27/87	0.38	2.79	0.72	0.14	0.25	0.00
06/28/87	0.00	2.38	0.53	0.07	0.23	0.00
06/29/87	0.00	2.18	0.55	0.06	0.26	0.00
06/30/87	0.00	2.06	0.39	0.06	0.28	0.00
VOLUME (M**3)		9508.3	3424.9	593.6	1409.2	27.6
AVE FLOW (L/S)		3.67	1.32	0.23	0.54	0.01
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		1.49	0.91	0.42	3.88	0.03
PEAK FLOW (L/S)		123.00	67.12	25.22	6.55	0.19
MAX DAY (L/S)		15.42	8.99	1.54	0.96	0.12
MIN DAY (L/S)		2.06	0.39	0.05	0.23	0.00
TOTAL (MM)	64.27	3.85	2.37	1.09	10.07	0.09

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.22. CWDF Hydrologic Summary for July 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
07/01/87	5.21	2.48	0.91	0.07	0.51	0.00
07/02/87	2.54	2.82	0.85	0.06	0.52	0.00
07/03/87	14.34	3.44	1.07	0.07	0.54	0.00
07/04/87	7.23	5.00	1.46	0.11	0.60	0.00
07/05/87	11.68	5.71	2.10	0.23	0.74	0.00
07/06/87	1.82	6.56	2.45	0.29	0.74	0.00
07/07/87	7.08	7.07	2.42	0.33	0.58	0.00
07/08/87	0.00	4.32	1.38	0.23	0.48	0.00
07/09/87	0.00	3.45	1.09	0.13	0.48	0.00
07/10/87	0.00	3.07	0.93	0.09	0.57	0.00
07/11/87	9.14	3.83	1.41	0.10	0.71	0.00
07/12/87	0.00	3.67	1.28	0.09	0.67	0.00
07/13/87	3.55	3.18	1.11	0.10	0.64	0.00
07/14/87	0.00	2.79	0.86	0.09 *	0.51	0.00
07/15/87	0.00	2.31	0.79 *	0.08 *	0.40	0.00
07/16/87	0.00	2.11	0.72 *	0.07 *	0.39	0.00
07/17/87	0.00	1.96	0.65 *	0.06 *	0.40	0.00
07/18/87	0.00	1.78	0.62 *	0.05 *	0.45	0.00
07/19/87	0.00	1.67	0.58 *	0.04 *	0.41	0.00
07/20/87	0.00	1.56	0.55 *	0.03 *	0.44	0.00
07/21/87	0.00	1.47	0.52 *	0.03 *	0.43	0.00
07/22/87	0.00	1.40 *	0.49 *	0.03 *	0.43	0.00
07/23/87	0.00	1.10 *	0.45 *	0.03 *	0.44	0.00
07/24/87	0.00	0.80 *	0.41 *	0.03 *	0.40	0.00
07/25/87	0.00	0.65 *	0.37 *	0.02 *	0.39 *	0.00
07/26/87	0.00	0.50 *	0.33 *	0.02 *	0.39 *	0.00
07/27/87	0.00	0.42 *	0.29 *	0.02 *	0.38 *	0.00
07/28/87	0.00	0.36 *	0.25 *	0.02 *	0.38 *	0.00
07/29/87	0.00	0.31 *	0.21 *	0.02 *	0.37 *	0.00
07/30/87	0.00	0.27 *	0.18 *	0.02 *	0.37 *	0.00
07/31/87	0.00	0.24 *	0.15 *	0.02 *	0.36 *	0.00
VOLUME (M**3)		6592.3	2322.4	222.9	1306.4	0.0
AVE FLOW (L/S)		2.46	0.87	0.08	0.49	0.00
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		1.00	0.60	0.15	3.48	0.00
PEAK FLOW (L/S)		12.50	4.24	0.58	1.89	0.00
MAX DAY (L/S)		7.07	2.45	0.33	0.74	0.00
MIN DAY (L/S)		0.24	0.15	0.02	0.36	0.00
TOTAL (MM)	62.59	2.67	1.60	0.41	9.33	0.00

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Table A.23. CWDF Hydrologic Summary for August 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
08/01/87	0.00	0.22 *	0.12 *	0.02 *	0.36 *	0.00
08/02/87	0.00	0.20 *	0.10 *	0.02 *	0.35 *	0.00
08/03/87	0.00	0.18 *	0.08 *	0.02 *	0.35 *	0.00
08/04/87	0.00	0.16 *	0.07 *	0.02 *	0.35 *	0.00
08/05/87	1.26	0.14 *	0.07 *	0.01 *	0.37 *	0.00
08/06/87	0.63	0.40 *	0.20 *	0.01 *	0.42 *	0.00
08/07/87	0.00	0.39 *	0.19 *	0.01 *	0.38 *	0.00
08/08/87	0.00	0.38 *	0.18 *	0.01 *	0.37 *	0.00
08/09/87	0.76	0.38 *	0.18 *	0.01 *	0.36 *	0.00
08/10/87	5.58	0.40 *	0.20 *	0.01 *	0.60 *	0.00
08/11/87	0.00	0.38 *	0.19 *	0.01 *	0.50 *	0.00
08/12/87	21.71	0.70 *	0.40 *	0.05 *	0.80 *	0.00
08/13/87	0.00	0.65 *	0.38 *	0.04 *	0.90 *	0.00
08/14/87	0.00	0.60 *	0.34 *	0.03 *	0.48 *	0.00
08/15/87	0.00	0.58 *	0.32 *	0.03 *	0.44 *	0.00
08/16/87	0.00	0.56 *	0.30 *	0.02 *	0.40 *	0.00
08/17/87	9.40	0.60 *	0.28 *	0.02 *	0.54 *	0.00
08/18/87	0.00	0.58 *	0.26 *	0.02 *	0.52 *	0.00
08/19/87	0.00	0.56 *	0.24 *	0.02 *	0.50 *	0.00
08/20/87	0.00	0.52 *	0.22 *	0.02 *	0.49 *	0.00
08/21/87	0.00	0.50 *	0.20 *	0.01 *	0.48 *	0.00
08/22/87	0.00	0.48 *	0.18 *	0.01 *	0.45 *	0.00
08/23/87	0.00	0.46 *	0.17 *	0.01 *	0.43 *	0.00
08/24/87	0.00	0.45 *	0.16 *	0.01 *	0.41 *	0.00
08/25/87	0.00	0.44 *	0.15 *	0.01 *	0.39 *	0.00
08/26/87	0.00	0.43 *	0.14 *	0.01 *	0.37 *	0.00
08/27/87	0.00	0.42 *	0.13 *	0.01 *	0.35 *	0.00
08/28/87	0.25	0.41 *	0.12 *	0.01 *	0.33 *	0.00
08/29/87	0.00	0.40 *	0.11 *	0.01 *	0.33 *	0.00
08/30/87	0.00	0.39 *	0.10 *	0.01 *	0.32 *	0.00
08/31/87	0.00	0.38 *	0.09 *	0.01 *	0.31 *	0.00
VOLUME (M**3)		1152.6	507.2	44.1	1179.4	0.0
AVE FLOW (L/S)		0.43	0.19	0.02	0.44	0.00
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		0.17	0.13	0.03	3.15	0.00
PEAK FLOW (L/S)		11.30	-99.00	-99.00	-99.00	0.00
MAX DAY (L/S)		0.70	0.40	0.05	0.90	0.00
MIN DAY (L/S)		0.14	0.07	0.01	0.31	0.00
TOTAL (MM)	39.59	0.47	0.35	0.08	8.42	0.00

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.24. CWDF Hydrologic Summary for September 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
09/01/87	0.00	0.37 *	0.08 *	0.01 *	0.30 *	0.00
09/02/87	0.00	0.36 *	0.08 *	0.01 *	0.29 *	0.00
09/03/87	0.00	0.35 *	0.07 *	0.01 *	0.28 *	0.00
09/04/87	0.00	0.34 *	0.07 *	0.01 *	0.28 *	0.00
09/05/87	0.00	0.33 *	0.06 *	0.01 *	0.28 *	0.00
09/06/87	3.18	0.32 *	0.06 *	0.01	0.29 *	0.00
09/07/87	0.00	0.31 *	0.05 *	0.02	0.29 *	0.00
09/08/87	10.66	0.60 *	0.36	0.04	0.50 *	0.00
09/09/87	0.00	0.58 *	0.30 *	0.05	0.45 *	0.00
09/10/87	0.00	0.56 *	0.26 *	0.05	0.40 *	0.00
09/11/87	0.89	0.53 *	0.22 *	0.04	0.38 *	0.00
09/12/87	50.93	10.11	2.30	0.11	1.00 *	0.00
09/13/87	0.00	2.69	0.55	0.08 *	0.80 *	0.00
09/14/87	0.00	1.83	0.35 *	0.06 *	0.70 *	0.00
09/15/87	0.00	1.37	0.34 *	0.06 *	0.50 *	0.00
09/16/87	0.00	1.28	0.33 *	0.05 *	0.47 *	0.00
09/17/87	0.00	1.27	0.32 *	0.05 *	0.45 *	0.00
09/18/87	0.00	1.26	0.31 *	0.04 *	0.44 *	0.00
09/19/87	7.99	1.72	0.53	0.07 *	0.60 *	0.00
09/20/87	0.00	1.74	0.28	0.06 *	0.58 *	0.00
09/21/87	0.00	1.37	0.26 *	0.06 *	0.55 *	0.00
09/22/87	0.00	1.23 *	0.24 *	0.05 *	0.51 *	0.00
09/23/87	0.00	1.09 *	0.22 *	0.05 *	0.48 *	0.00
09/24/87	0.00	0.95 *	0.21 *	0.04 *	0.45	0.00
09/25/87	0.00	0.90 *	0.20 *	0.04 *	0.45	0.00
09/26/87	0.00	0.85 *	0.19 *	0.03 *	0.45	0.00
09/27/87	0.00	0.80 *	0.18 *	0.03 *	0.45	0.00
09/28/87	0.00	0.75 *	0.16 *	0.03 *	0.46	0.00
09/29/87	25.14	1.47	1.14	0.18	0.81	0.00
09/30/87	0.00	3.54	1.04	0.07	0.56	0.00
VOLUME (M**3)		3531.2	929.7	122.7	1248.5	0.0
AVE FLOW (L/S)		1.36	0.36	0.05	0.48	0.00
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		0.55	0.25	0.09	3.44	0.00
PEAK FLOW (L/S)		70.00	19.40	1.59	8.03	0.00
MAX DAY (L/S)		10.11	2.30	0.18	1.00	0.00
MIN DAY (L/S)		0.31	0.05	0.01	0.28	0.00
TOTAL (MM)	98.79	1.43	0.64	0.23	8.92	0.00

NOTE: AN ASTERISK (*) AFTER THE DATA INDICATES AN ADJUSTED VALUE, WHERE THE ORIGINAL STAGE RECORD WAS INCOMPLETE, FAULTY OR AFFECTED BY BACKWATER.
-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.25. CWDF Hydrologic Summary for October 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
10/01/87	0.00	1.73	0.37	0.06 *	0.42	0.00
10/02/87	0.00	1.39	0.31	0.06	0.48	0.00
10/03/87	0.00	1.30	0.34	0.06	0.31	0.00
10/04/87	0.00	1.33	0.37	0.06	0.31	0.00
10/05/87	0.63	1.39	0.48	0.08	0.31	0.00
10/06/87	0.00	1.39	0.59	0.11	0.45	0.00
10/07/87	0.00	1.42	0.82	0.06	0.40	0.00
10/08/87	0.00	1.30	0.54	0.03	0.31	0.00
10/09/87	0.00	1.27	0.48 *	0.03	0.37	0.00
10/10/87	0.00	1.39	0.45	0.03	0.31	0.00
10/11/87	0.00	1.42	0.42 *	0.03	0.45	0.00
10/12/87	0.00	1.42	0.37	0.03	0.45	0.00
10/13/87	0.00	1.42	0.34 *	0.03	0.42	0.00
10/14/87	0.00	1.39	0.31	0.03 *	0.40	0.00
10/15/87	0.00	1.39	0.31 *	0.03 *	0.28	0.00
10/16/87	0.00	1.42	0.31 *	0.03	0.28	0.00
10/17/87	0.00	1.42	0.31	0.03	0.31	0.00
10/18/87	0.00	1.42	0.31 *	0.03	0.31	0.00
10/19/87	0.25	1.42	0.42	0.06	0.40	0.00
10/20/87	7.62	1.42	10.76	0.34	0.59	0.00
10/21/87	0.00	1.70	0.96 *	0.20	0.34	0.00
10/22/87	0.00	1.78	0.85 *	0.17 *	0.31	0.00
10/23/87	0.00	1.67	0.45 *	0.11 *	0.28	0.00
10/24/87	0.00	1.67	0.40	0.06	0.37	0.00
10/25/87	1.27	1.70	0.40	0.11	0.40	0.00
10/26/87	0.79	1.70	0.37	0.17	0.37	0.00
10/27/87	2.77	1.93	0.40	0.31	0.40	0.00
10/28/87	0.00	1.81	0.40	0.25	0.28	0.00
10/29/87	3.43	1.81	0.45 *	0.17 *	0.40	0.00
10/30/87	0.00	1.81	0.51	0.03	0.40	0.00
10/31/87	0.00	1.84	0.42	0.03	0.34	0.00
VOLUME (M**3)		4098.5	2094.5	242.2	991.0	0.0
AVE FLOW (L/S)		1.53	0.78	0.09	0.37	0.00
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		0.62	0.54	0.17	2.64	0.00
PEAK FLOW (L/S)		2.15	1.98	0.79	1.08	0.00
MAX DAY (L/S)		1.93	10.76	0.34	0.59	0.00
MIN DAY (L/S)		1.27	0.31	0.03	0.28	0.00
TOTAL (MM)	16.76	1.66	1.45	0.45	7.08	0.00

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Table A.26. CWDF Hydrologic Summary for November 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
11/01/87	0.00	1.81	0.40	0.03 *	0.34	0.00
11/02/87	0.00	1.81	0.37	0.03 *	0.34	0.00
11/03/87	0.00	1.73	0.28	0.03 *	0.31	0.00
11/04/87	0.00	1.78	0.34	0.03 *	0.34	0.00
11/05/87	0.00	1.90	0.28	0.03 *	0.31	0.00
11/06/87	0.00	1.98	0.25	0.03	0.31 *	0.00
11/07/87	0.00	2.01	0.25	0.03	0.31 *	0.00
11/08/87	0.00	2.15	0.42	0.03	0.28 *	0.00
11/09/87	9.50	2.27	1.42	0.06	0.31	0.00
11/10/87	19.05	6.94	0.91	0.08	0.42	0.00
11/11/87	0.00	4.16	0.25	0.06 *	0.37 *	0.00
11/12/87	0.00	4.02	0.20	0.03 *	0.31 *	0.00
11/13/87	0.00	2.69	0.23	0.03 *	0.31 *	0.00
11/14/87	0.00	2.49	0.23	0.03 *	0.28 *	0.00
11/15/87	0.00	2.44	0.31	0.03 *	0.28 *	0.00
11/16/87	0.00	2.32	1.10	0.06	0.28 *	0.00
11/17/87	20.57	6.63	1.36	0.25	0.51	0.00
11/18/87	0.00	4.79	0.57	0.08	0.45 *	0.00
11/19/87	0.00	3.46	0.40	0.03	0.40 *	0.00
11/20/87	0.00	2.97	0.34	0.03 *	0.40 *	0.00
11/21/87	0.00	2.69	0.25	0.03 *	0.37 *	0.00
11/22/87	0.00	2.63	0.23	0.03	0.37 *	0.00
11/23/87	0.00	2.49	0.34	0.03 *	0.37 *	0.00
11/24/87	0.00	2.49	0.34	0.03 *	0.34 *	0.00
11/25/87	0.00	2.49	0.40	0.03 *	0.34 *	0.00
11/26/87	0.00	2.49	0.40	0.03 *	0.28	0.00
11/27/87	0.00	2.49	0.37	0.06	0.28	0.00
11/28/87	6.86	2.52	0.57	0.06	0.37	0.00
11/29/87	0.00	3.09	0.37	0.03	0.28	0.00
11/30/87	0.00	2.75	0.31	0.03 *	0.23	0.00
VOLUME (M**3)		7472.7	1164.7	115.0	873.5	0.0
AVE FLOW (L/S)		2.88	0.45	0.04	0.34	0.00
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		1.17	0.31	0.08	2.41	0.00
PEAK FLOW (L/S)		9.66	4.13	0.68	0.76	0.00
MAX DAY (L/S)		6.94	1.42	0.25	0.51	0.00
MIN DAY (L/S)		1.73	0.20	0.03	0.23	0.00
TOTAL (MM)	55.98	3.03	0.80	0.21	6.24	0.00

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.27. CWDF Hydrologic Summary for December 1987

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
12/01/87	0.63	2.63	0.23	0.03 *	0.20	0.00
12/02/87	0.00	2.44	0.20	0.03 *	0.11	0.00
12/03/87	1.02	2.32	0.45	0.03 *	0.34	0.00
12/04/87	0.00	2.41	0.42	0.06 *	0.42	0.00
12/05/87	0.00	2.32	0.40 *	0.06 *	0.42 *	0.00
12/06/87	0.00	2.32	0.37	0.06 *	0.42	0.00
12/07/87	0.00	2.32	0.37	0.06 *	0.42 *	0.00
12/08/87	0.00	2.32	0.45	0.06 *	0.40 *	0.00
12/09/87	0.00	2.35	0.51	0.06 *	0.40 *	0.00
12/10/87	0.00	2.41	0.40	0.08 *	0.40 *	0.00
12/11/87	0.51	2.32	0.42	0.08 *	0.34 *	0.00
12/12/87	0.00	3.40	0.40 *	0.06 *	0.34	0.00
12/13/87	0.00	6.12	0.37	0.06 *	0.34 *	0.00
12/14/87	4.83	6.26	0.59	0.06 *	0.59	0.00
12/15/87	15.49	10.54	2.35	0.14 *	0.74	0.00
12/16/87	0.00	8.35	1.27	0.06 *	0.42	0.00
12/17/87	0.00	7.39	0.85	0.06 *	0.31	0.00
12/18/87	0.00	6.85	0.62	0.06 *	0.31	0.00
12/19/87	0.00	6.74	0.71	0.06 *	0.51	0.00
12/20/87	4.06	7.02	0.93	0.06 *	0.57	0.00
12/21/87	0.00	6.83	0.68	0.03 *	0.54	0.00
12/22/87	0.00	6.68	0.68	0.03 *	0.51	0.00
12/23/87	0.00	6.43	0.51	0.03 *	0.37	0.00
12/24/87	16.89	7.73	1.19	0.11 *	0.65	0.00
12/25/87	12.57	20.31	4.79	0.37 *	1.36	0.00
12/26/87	9.40	14.41	3.26	0.23 *	1.05	0.00
12/27/87	8.89	12.89	2.95	0.23 *	0.99	0.00
12/28/87	7.87	19.20	4.28	0.34 *	1.33	0.00
12/29/87	0.00	11.50	2.18	0.28 *	0.68	0.00
12/30/87	0.00	8.44	1.47	0.17 *	0.48	0.00
12/31/87	3.05	6.51	1.39	0.14 *	0.68	0.00
VOLUME (M**3)		18123.8	3083.0	271.6	1438.7	0.0
AVE FLOW (L/S)		6.77	1.15	0.10	0.54	0.00
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		2.74	0.79	0.19	3.84	0.00
PEAK FLOW (L/S)		33.13	11.89	0.85 *	2.52	0.00
MAX DAY (L/S)		20.31	4.79	0.37	1.36	0.00
MIN DAY (L/S)		2.32	0.20	0.03	0.11	0.00
TOTAL (MM)	85.22	7.34	2.13	0.50	10.28	0.00

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.28. CWDF Hydrologic Summary for January 1988

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
01/01/88	11.94	11.78	2.83	0.25 *	0.96	0.00
01/02/88	0.00	9.91	1.95	0.17 *	0.76	0.00
01/03/88	8.13	7.70	1.84	0.20 *	0.74	0.00
01/04/88	0.00	10.48	2.32	0.25 *	0.76	0.00
01/05/88	0.00	7.82	1.56	0.23 *	0.76 *	0.00
01/06/88	0.00	6.34	1.33	0.23 *	0.79	0.00
01/07/88	17.93	5.78	1.42 *	0.25 *	0.79 *	0.00
01/08/88	0.63	6.03	1.70 *	0.34 *	1.05	0.00
01/09/88	0.00	5.30	1.42 *	0.31	0.85 *	0.00
01/10/88	0.00	4.90	1.13 *	0.23	0.79 *	0.00
01/11/88	0.00	4.64	0.85 *	0.23	0.74 *	0.00
01/12/88	0.51	4.56	0.85 *	0.25	0.68 *	0.00
01/13/88	1.27	5.41	1.05	0.25	0.62	0.00
01/14/88	0.00	5.44	0.85	0.25	0.62 *	0.00
01/15/88	0.00	5.15	0.76	0.25	0.57 *	0.00
01/16/88	0.00	5.01	0.79	0.28	0.62 *	0.00
01/17/88	14.35	8.64	1.87	0.51	1.70	0.08
01/18/88	0.00	36.39	8.10	4.08	1.08	0.14
01/19/88	74.98	185.64	80.34	17.11	6.15	6.71
01/20/88	3.15	398.35	171.34	52.59	14.33	18.24
01/21/88	0.00	86.72	46.33	18.52	4.02	7.62
01/22/88	0.00	51.71	25.23	8.27	2.01	4.73
01/23/88	0.00	31.27	15.01	6.00	0.99	3.06
01/24/88	0.76	19.74	9.46	4.30	0.71	1.70
01/25/88	1.04	15.01	6.23	3.09	0.57	0.99
01/26/88	0.00	11.81	3.68	1.73	0.34	0.45
01/27/88	0.00	10.48	2.61	1.27	0.31	0.31
01/28/88	0.00	9.77	2.18	1.13	0.28	0.25
01/29/88	0.00	8.30	1.98	1.08	0.31	0.23
01/30/88	0.00	6.94	2.07	1.08	0.40	0.20
01/31/88	0.76	6.71	2.27	1.16	0.48	0.20
VOLUME (M**3)		85857.5	34676.7	10878.7	3956.6	3880.7
AVE FLOW (L/S)		32.06	12.95	4.06	1.48	1.45
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		12.98	8.94	7.47	10.55	4.60
PEAK FLOW (L/S)		1665.22	512.08	169.92 *	53.24	53.55
MAX DAY (L/S)		398.35	171.34	52.59	14.33	18.24
MIN DAY (L/S)		4.56	0.76	0.17	0.28	0.00
TOTAL (MM)	135.46	34.76	23.95	20.00	28.26	12.32

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.29. CWDF Hydrologic Summary for February 1988

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
02/01/88	0.00	6.49	2.15	1.13	0.51	0.14
02/02/88	13.21	10.45	4.42	1.70	0.79	0.37
02/03/88	10.46	15.92	6.32	2.78	0.96	0.65
02/04/88	16.97	118.92	63.47	18.41	3.85	4.56
02/05/88	0.00	77.26	49.64	13.62	4.02	6.09
02/06/88	0.00	52.39	28.32	8.33	2.41	4.45
02/07/88	0.00	34.86	19.77	6.60	1.53	3.82
02/08/88	0.00	24.84	14.05	5.44	0.99	2.69
02/09/88	0.00	18.72	9.88	4.19	0.91 *	1.78
02/10/88	0.00	14.92	7.25	3.23	0.85 *	1.22
02/11/88	4.32	13.20	6.17	3.03	0.79 *	1.02
02/12/88	0.00	13.11	5.15	2.44	0.74 *	0.74
02/13/88	0.00	10.62	3.62	1.81	0.74	0.57
02/14/88	0.00	9.37	3.31	1.76	0.71	0.57
02/15/88	14.60	23.22	10.42	4.70	0.99	1.27
02/16/88	0.00	20.99	8.50	4.05	1.05	0.76
02/17/88	0.00	17.13	7.93	3.74	0.91	0.74
02/18/88	0.00	16.40	8.44	4.02	0.79	0.93
02/19/88	4.83	19.20	11.04	5.01	1.02	1.05 *
02/20/88	0.00	17.95	8.75	3.94	1.05	0.93 *
02/21/88	0.00	14.19	5.95	2.58	0.88	0.85 *
02/22/88	0.00	12.63	5.83	2.83	0.76	0.76 *
02/23/88	4.29	14.05	7.31	3.26	0.82	0.65 *
02/24/88	0.00	12.63	5.47	2.18	0.76	0.57 *
02/25/88	0.00	11.16	4.70	1.95	0.68	0.45 *
02/26/88	0.00	10.59	4.28	1.90	0.76	0.37 *
02/27/88	0.00	10.85	5.04	2.32	0.79	0.34 *
02/28/88	0.00	10.28	4.30	1.76	0.71	0.31 *
02/29/88	0.00	9.46	3.79	1.59	0.57	0.28 *
VOLUME (M**3)		55450.5	28104.5	10391.8	2794.3	3364.4
AVE FLOW (L/S)		22.13	11.22	4.15	1.12	1.34
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		8.96	7.75	7.62	7.97	4.26
PEAK FLOW (L/S)		218.91	100.03	28.32 *	6.06	7.14
MAX DAY (L/S)		118.92	63.47	18.41	4.02	6.09
MIN DAY (L/S)		6.49	2.15	1.13	0.51	0.14
TOTAL (MM)	68.68	22.45	19.41	19.10	19.96	10.68

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-99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

Table A.30. CWDF Hydrologic Summary for March 1988

DATE	PREC (MM)	CWDF 1 (L/S)	CWDF 3 (L/S)	CWDF 4 (L/S)	CWDF 7 (L/S)	CWDF 8 (L/S)
03/01/88	0.00	8.67	3.14	1.30	0.54	0.28 *
03/02/88	0.00	8.24	3.09	1.27	0.54	0.28 *
03/03/88	0.25	8.24	3.40	1.50	0.54	0.28 *
03/04/88	5.08	5.78	4.28	1.56	0.59	0.34 *
03/05/88	0.00	8.58	3.48	1.30	0.54	0.31
03/06/88	0.00	7.90	2.89	1.08	0.51	0.28
03/07/88	0.00	7.56	2.66	1.05	0.48	0.23
03/08/88	0.00	7.33	2.44	0.96	0.48	0.20
03/09/88	2.79	7.84	2.78	0.96	0.51	0.17
03/10/88	51.82	300.02	164.51	13.79	12.69	0.88
03/11/88	0.00	148.48	104.61	29.99	8.10	5.24
03/12/88	13.21	103.08	71.48	22.32	5.35	9.23
03/13/88	0.00	104.53	68.99	22.71	4.84	7.62
03/14/88	0.00	75.81	50.10	15.69	4.50	5.75
03/15/88	0.00	58.08	34.49	11.64	3.79	4.02
03/16/88	0.00	41.97	24.13	8.58	2.32	2.95
03/17/88	0.00	29.51	17.11	6.80	1.70	2.27
03/18/88	2.67	25.69	15.49	6.20	1.47	1.64
03/19/88	0.25	22.09	12.86	5.38	1.39	1.22
03/20/88	0.00	17.39	9.57	4.13	1.16	0.91
03/21/88	0.00	14.92	7.87	3.43	1.02	0.48
03/22/88	0.00	13.03	6.32	2.80	0.88	0.31
03/23/88	0.00	11.61	5.52	2.49	0.79	0.23
03/24/88	0.00	11.07	5.04	2.35	0.79	0.20
03/25/88	1.52	11.47	5.30	2.35	0.82	0.40
03/26/88	2.54	11.58	5.72	2.41	0.82	0.65
03/27/88	0.00	10.54	4.93	2.07	0.76	0.68
03/28/88	0.00	9.23	4.02	1.78	0.68	0.62
03/29/88	0.00	8.64	3.74	1.70	0.68	0.51
03/30/88	0.25	8.55	3.65	1.61	0.68	0.45
03/31/88	2.79	8.75	3.85	1.56	0.65	0.42
VOLUME (M**3)		96440.1	56803.6	15792.0	5238.7	4237.9
AVE FLOW (L/S)		36.01	21.21	5.90	1.96	1.58
AREA (KM**2)		2.470	1.448	0.544	0.140	0.315
UNIT AREA FLOW (L/S/KM**2)		14.58	14.65	10.84	13.97	5.02
PEAK FLOW (L/S)		591.89	274.70	51.54	23.17	13.31
MAX DAY (L/S)		300.02	164.51	29.99	12.69	9.23
MIN DAY (L/S)		5.78	2.44	0.96	0.48	0.17
TOTAL (MM)	83.18	39.04	39.23	29.03	37.42	13.45

NOTE: AN ASTERISK (*) AFTER THE DATA INDICATES AN ADJUSTED VALUE, WHERE THE ORIGINAL STAGE RECORD WAS INCOMPLETE, FAULTY OR AFFECTED BY BACKWATER. -99 IN PEAK FLOW INDICATES INVALID OR MISSING DATA.

APPENDIX B

YEARLY FLOW SUMMARIES
(American Customary Units)

Table B.1. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 1
Water Year 1986
AREA = 0.954 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.629	0.358	2.515	0.667	0.529	0.839	0.504	0.190	0.171	0.053	0.021	0.112
2	0.427	0.803	2.256	0.514	0.522	0.781	0.482	0.179	0.168	0.193	0.014	0.407
3	0.290	0.590	1.762	0.503	0.565	0.771	0.454	0.165	0.142	0.091	0.010	0.252
4	0.241	0.775	1.242	0.463	0.520	0.681	0.400	0.162	0.143	0.069	0.009	0.159
5	0.199	0.789	1.019	0.440	2.176	0.617	0.362	0.159	0.464	0.057	0.008	0.127
6	0.179	0.585	0.796	0.386	2.148	0.615	0.391	0.160	0.459	0.047	0.009	0.085
7	0.166	0.482	0.602	0.362	2.106	0.540	0.401	0.156	0.245	0.032	0.012	0.063
8	0.164	0.379	0.549	0.304	1.800	0.471	1.040	0.150	0.201	0.025	0.011	0.055
9	0.159	0.309	0.495	0.284	1.464	0.448	0.608	0.143	0.180	0.018	0.011	0.051
10	0.156	0.278	0.432	0.320	1.279	0.461	0.494	0.138	0.198	0.050	0.028	0.044
11	0.150	0.258	0.501	0.314	1.477	0.542	0.454	0.135	0.165	0.056	0.107	0.042
12	0.148	0.240	0.712	0.293	0.960	1.443	0.424	0.130	0.137	0.034	0.051	0.080
13	0.148	0.227	1.271	0.287	0.845	2.788	0.399	0.133	0.119	0.046	0.041	0.048
14	0.157	0.226	1.040	0.268	1.080	2.725	0.376	0.129	0.103	0.079	0.032	0.043
15	0.165	0.212	0.900	0.254	1.076	2.340	0.345	0.123	0.089	0.099	0.030	0.042
16	0.162	0.238	0.824	0.232	1.466	1.996	0.322	0.116	0.079	0.061	0.028	0.074
17	0.150	0.262	0.726	0.227	13.165	1.645	0.309	0.110	0.072	0.052	0.032	0.051
18	0.146	0.223	0.603	0.243	15.673	1.375	0.293	0.123	0.066	0.032	0.026	0.049
19	0.141	0.208	0.498	0.957	6.963	7.462	0.274	0.129	0.065	0.021	0.021	0.056
20	0.139	0.194	0.499	0.566	4.069	4.066	0.292	0.121	0.065	0.018	0.114	0.063
21	0.224	0.274	0.439	0.485	2.846	2.675	0.388	0.115	0.053	0.016	0.043	0.057
22	0.202	0.572	0.413	0.456	2.336	2.101	0.308	0.110	0.050	0.014	0.035	0.050
23	0.367	0.496	0.438	0.402	1.917	1.720	0.265	0.230	0.046	0.012	0.030	0.063
24	0.419	0.425	0.405	0.385	1.858	1.307	0.246	0.432	0.042	0.011	0.025	0.052
25	0.275	0.404	0.337	0.461	1.565	1.018	0.236	0.748	0.039	0.010	0.019	0.047
26	0.232	0.376	0.283	1.040	1.537	0.889	0.224	0.311	0.035	0.009	0.106	0.042
27	0.211	2.084	0.288	1.009	1.464	0.794	0.209	0.606	0.032	0.009	0.323	0.038
28	0.218	4.852	0.275	0.842	1.007	0.684	0.270	0.602	0.028	0.009	0.263	0.037
29	0.197	4.985	0.264	0.851		0.615	0.244	0.376	0.025	0.008	0.110	0.037
30	0.198	2.812	0.248	0.661		0.582	0.200	0.255	0.028	0.008	0.072	0.038
31	0.192		0.764	0.564		0.542		0.201		0.011	0.066	
TOT.	6.852	24.920	23.397	15.037	74.414	45.532	11.213	6.838	3.711	1.250	1.707	2.366
MEAN	0.221	0.831	0.755	0.485	2.658	1.469	0.374	0.221	0.124	0.040	0.055	0.079
PEAK	1.010	12.147	3.108	1.501	25.989	25.354	1.900	5.367	2.578	0.554	2.260	1.070
MAX day	0.629	4.985	2.515	1.040	15.673	7.462	1.040	0.748	0.464	0.193	0.323	0.407
MIN day	0.139	0.194	0.248	0.227	0.520	0.448	0.200	0.110	0.025	0.008	0.008	0.037
CFSM	0.232	0.871	0.791	0.509	2.786	1.540	0.392	0.231	0.130	0.042	0.058	0.083
IN.	0.267	0.972	0.912	0.586	2.901	1.775	0.437	0.267	0.145	0.049	0.067	0.092

Table B.2. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 3
Water Year 1986
AREA = 0.559 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.208	0.171	1.526	0.275	0.276	0.401	0.257	0.088	0.051	0.008	0.007	0.026
2	0.179	0.327	1.214	0.237	0.302	0.399	0.253	0.062	0.049	0.043	0.005	0.091
3	0.130	0.287	0.907	0.253	0.333	0.388	0.246	0.048	0.037	0.018	0.003	0.041
4	0.102	0.390	0.703	0.243	0.321	0.326	0.217	0.043	0.040	0.007	0.002	0.029
5	0.069	0.401	0.607	0.208	1.133	0.284	0.197	0.046	0.149	0.006	0.002	0.023
6	0.049	0.299	0.445	0.183	1.350	0.298	0.208	0.050	0.132	0.006	0.002	0.012
7	0.045	0.228	0.315	0.175	1.271	0.237	0.209	0.050	0.066	0.005	0.005	0.011
8	0.043	0.157	0.285	0.130	1.130	0.192	0.495	0.047	0.054	0.004	0.007	0.011
9	0.043	0.132	0.241	0.129	0.883	0.200	0.268	0.036	0.057	0.004	0.004	0.010
10	0.043	0.126	0.204	0.165	0.777	0.234	0.204	0.034	0.064	0.018	0.006	0.009
11	0.043	0.118	0.290	0.150	0.847	0.267	0.194	0.038	0.050	0.012	0.023	0.008
12	0.043	0.111	0.373	0.147	0.600	0.623	0.179	0.042	0.036	0.009	0.010	0.020
13	0.042	0.104	0.585	0.137	0.530	1.382	0.176	0.044	0.024	0.019	0.007	0.009
14	0.042	0.100	0.513	0.128	0.706	1.477	0.173	0.036	0.019	0.033	0.007	0.008
15	0.056	0.095	0.504	0.109	0.706	1.298	0.160	0.031	0.017	0.023	0.006	0.008
16	0.069	0.132	0.466	0.101	0.847	1.029	0.147	0.028	0.014	0.013	0.006	0.017
17	0.040	0.125	0.411	0.110	7.062	0.795	0.143	0.023	0.014	0.010	0.009	0.013
18	0.040	0.099	0.307	0.136	8.828	0.721	0.127	0.040	0.013	0.007	0.006	0.014
19	0.040	0.094	0.232	0.463	3.531	4.320	0.123	0.043	0.012	0.006	0.005	0.016
20	0.040	0.087	0.246	0.270	2.475	2.541	0.165	0.030	0.012	0.005	0.019	0.017
21	0.103	0.146	0.193	0.230	1.678	1.496	0.202	0.020	0.011	0.005	0.009	0.015
22	0.083	0.269	0.196	0.236	1.287	1.046	0.139	0.014	0.011	0.005	0.007	0.015
23	0.190	0.234	0.226	0.190	0.922	0.849	0.100	0.094	0.010	0.004	0.006	0.022
24	0.188	0.240	0.200	0.187	0.941	0.662	0.097	0.214	0.009	0.004	0.005	0.016
25	0.119	0.262	0.127	0.253	0.738	0.535	0.099	0.238	0.009	0.004	0.003	0.013
26	0.089	0.245	0.111	0.486	0.824	0.481	0.098	0.130	0.008	0.003	0.017	0.011
27	0.082	1.331	0.120	0.492	0.782	0.424	0.091	0.220	0.007	0.003	0.066	0.010
28	0.091	3.040	0.111	0.454	0.500	0.344	0.143	0.213	0.007	0.003	0.045	0.008
29	0.072	3.448	0.105	0.498		0.314	0.109	0.127	0.006	0.003	0.012	0.011
30	0.074	1.784	0.094	0.340		0.301	0.085	0.082	0.006	0.003	0.010	0.026
31	0.078		0.353	0.290		0.280		0.060		0.004	0.012	
TOT.	2.536	14.582	12.207	7.404	41.580	24.141	5.325	2.270	0.995	0.295	0.333	0.539
MEAN	0.082	0.486	0.394	0.239	1.485	0.779	0.177	0.073	0.033	0.010	0.011	0.018
PEAK	0.636	6.772	2.036	0.967	10.593	10.295	1.092	3.511	0.099	0.187	0.836	0.422
MAX day	0.208	3.448	1.526	0.498	8.828	4.320	0.495	0.238	0.149	0.043	0.066	0.091
MIN day	0.040	0.087	0.094	0.101	0.276	0.192	0.085	0.014	0.006	0.003	0.002	0.008
CFSM	0.146	0.869	0.704	0.427	2.655	1.393	0.317	0.131	0.059	0.017	0.019	0.032
IN.	0.169	0.970	0.812	0.492	2.765	1.606	0.354	0.151	0.066	0.020	0.022	0.036

Table B.3. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 4
Water Year 1986
AREA = 0.210 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.064	0.036	0.483	0.102	0.094	0.169	0.111	0.025	0.014	0.001	0.000	0.011
2	0.056	0.100	0.356	0.090	0.101	0.172	0.107	0.018	0.014	0.004	0.000	0.035
3	0.039	0.089	0.241	0.096	0.111	0.162	0.100	0.013	0.012	0.001	0.000	0.014
4	0.032	0.125	0.203	0.095	0.111	0.141	0.077	0.011	0.010	0.000	0.000	0.004
5	0.022	0.136	0.205	0.077	0.352	0.126	0.060	0.013	0.023	0.000	0.000	0.001
6	0.015	0.100	0.150	0.067	0.386	0.130	0.059	0.014	0.034	0.000	0.000	0.001
7	0.014	0.071	0.112	0.062	0.388	0.104	0.058	0.014	0.018	0.000	0.001	0.001
8	0.013	0.045	0.106	0.043	0.353	0.089	0.143	0.013	0.014	0.000	0.001	0.001
9	0.013	0.039	0.091	0.044	0.325	0.095	0.080	0.010	0.011	0.000	0.001	0.001
10	0.015	0.040	0.075	0.059	0.300	0.113	0.059	0.010	0.012	0.000	0.001	0.002
11	0.015	0.038	0.101	0.052	0.318	0.114	0.057	0.009	0.010	0.000	0.004	0.001
12	0.015	0.036	0.137	0.050	0.212	0.264	0.052	0.010	0.007	0.000	0.002	0.005
13	0.015	0.035	0.210	0.045	0.198	0.526	0.051	0.010	0.004	0.001	0.001	0.002
14	0.014	0.034	0.172	0.040	0.240	0.505	0.050	0.008	0.003	0.001	0.001	0.002
15	0.021	0.032	0.171	0.034	0.244	0.434	0.047	0.007	0.002	0.001	0.000	0.002
16	0.018	0.036	0.159	0.031	0.318	0.330	0.038	0.006	0.002	0.001	0.000	0.004
17	0.014	0.037	0.139	0.034	2.648	0.295	0.037	0.005	0.001	0.000	0.001	0.004
18	0.013	0.034	0.101	0.042	3.354	0.286	0.035	0.006	0.001	0.000	0.000	0.002
19	0.012	0.032	0.079	0.134	1.236	1.121	0.035	0.008	0.001	0.000	0.000	0.001
20	0.012	0.029	0.088	0.083	0.888	0.806	0.045	0.005	0.001	0.000	0.004	0.003
21	0.018	0.033	0.064	0.065	0.656	0.492	0.048	0.003	0.001	0.000	0.002	0.002
22	0.020	0.088	0.067	0.067	0.461	0.362	0.032	0.002	0.001	0.000	0.001	0.002
23	0.029	0.079	0.075	0.052	0.330	0.280	0.024	0.008	0.001	0.000	0.001	0.004
24	0.043	0.071	0.062	0.054	0.318	0.246	0.025	0.022	0.001	0.000	0.001	0.004
25	0.029	0.064	0.037	0.077	0.250	0.212	0.028	0.044	0.000	0.000	0.000	0.002
26	0.022	0.064	0.031	0.172	0.274	0.198	0.029	0.024	0.000	0.000	0.001	0.002
27	0.021	0.393	0.034	0.170	0.262	0.180	0.028	0.042	0.000	0.000	0.025	0.002
28	0.022	0.787	0.030	0.150	0.196	0.151	0.033	0.045	0.000	0.000	0.018	0.003
29	0.018	0.879	0.029	0.160		0.139	0.028	0.032	0.000	0.000	0.004	0.003
30	0.019	0.526	0.026	0.107		0.130	0.024	0.022	0.001	0.000	0.003	0.004
31	0.021		0.106	0.099		0.120		0.017		0.000	0.004	
TOT.	0.694	4.108	3.941	2.455	14.922	8.492	1.602	0.476	0.198	0.017	0.079	0.125
MEAN	0.022	0.137	0.127	0.079	0.533	0.274	0.053	0.015	0.007	0.001	0.003	0.004
PEAK	0.074	2.543	0.697	0.222	4.237	3.531	0.241	0.295	0.151	0.017	0.283	0.106
MAX day	0.064	0.879	0.483	0.172	3.354	1.121	0.143	0.045	0.034	0.004	0.025	0.035
MIN day	0.012	0.029	0.026	0.031	0.094	0.089	0.024	0.002	0.000	0.000	0.000	0.001
CFSM	0.107	0.652	0.605	0.377	2.537	1.304	0.254	0.073	0.031	0.003	0.012	0.020
IN.	0.123	0.727	0.698	0.435	2.642	1.503	0.284	0.084	0.035	0.003	0.014	0.022

Table B.4. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 7
Water Year 1986
AREA = 0.054 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.031	0.034	0.134	0.033	0.032	0.056	0.052	0.049	0.033	0.032	0.014	0.014
2	0.034	0.044	0.088	0.031	0.038	0.061	0.054	0.032	0.035	0.040	0.016	0.027
3	0.030	0.036	0.078	0.029	0.038	0.064	0.052	0.027	0.035	0.022	0.012	0.017
4	0.023	0.056	0.071	0.029	0.041	0.058	0.056	0.026	0.042	0.018	0.014	0.016
5	0.019	0.064	0.064	0.023	0.066	0.051	0.062	0.030	0.035	0.020	0.013	0.012
6	0.017	0.049	0.050	0.023	0.107	0.053	0.067	0.035	0.028	0.019	0.022	0.006
7	0.016	0.035	0.040	0.020	0.108	0.047	0.064	0.034	0.026	0.018	0.022	0.006
8	0.016	0.024	0.041	0.018	0.094	0.041	0.084	0.034	0.026	0.022	0.019	0.006
9	0.015	0.022	0.031	0.018	0.093	0.043	0.066	0.026	0.030	0.024	0.021	0.006
10	0.015	0.025	0.024	0.021	0.086	0.056	0.055	0.030	0.030	0.029	0.018	0.008
11	0.014	0.027	0.040	0.020	0.072	0.050	0.058	0.035	0.028	0.027	0.026	0.009
12	0.014	0.027	0.050	0.024	0.056	0.067	0.052	0.037	0.026	0.023	0.016	0.010
13	0.014	0.029	0.059	0.020	0.046	0.103	0.055	0.036	0.023	0.026	0.009	0.006
14	0.014	0.029	0.048	0.020	0.071	0.142	0.059	0.032	0.021	0.028	0.014	0.006
15	0.025	0.030	0.051	0.017	0.063	0.120	0.058	0.034	0.023	0.025	0.014	0.007
16	0.021	0.037	0.051	0.017	0.063	0.095	0.054	0.030	0.020	0.023	0.017	0.010
17	0.015	0.032	0.048	0.021	0.622	0.083	0.055	0.027	0.022	0.018	0.020	0.009
18	0.013	0.028	0.039	0.026	1.009	0.085	0.042	0.040	0.020	0.017	0.017	0.011
19	0.013	0.029	0.031	0.048	0.485	0.349	0.045	0.036	0.021	0.017	0.015	0.012
20	0.019	0.030	0.040	0.037	0.278	0.275	0.060	0.027	0.021	0.016	0.024	0.011
21	0.027	0.034	0.027	0.030	0.248	0.163	0.058	0.024	0.021	0.017	0.020	0.010
22	0.024	0.041	0.032	0.035	0.151	0.120	0.041	0.022	0.019	0.017	0.018	0.008
23	0.035	0.035	0.038	0.026	0.102	0.103	0.036	0.040	0.019	0.019	0.018	0.010
24	0.034	0.042	0.037	0.026	0.111	0.076	0.038	0.049	0.023	0.019	0.017	0.009
25	0.021	0.039	0.024	0.035	0.088	0.071	0.040	0.052	0.019	0.019	0.013	0.008
26	0.017	0.044	0.025	0.044	0.103	0.076	0.041	0.047	0.023	0.020	0.026	0.008
27	0.018	0.075	0.025	0.041	0.111	0.067	0.042	0.056	0.027	0.021	0.037	0.007
28	0.020	0.177	0.023	0.042	0.069	0.054	0.054	0.052	0.026	0.023	0.016	0.007
29	0.018	0.281	0.023	0.052		0.053	0.041	0.043	0.029	0.019	0.007	0.008
30	0.020	0.174	0.022	0.032		0.053	0.038	0.035	0.026	0.014	0.008	0.008
31	0.020		0.041	0.030		0.049		0.030		0.023	0.011	
TOT.	0.633	1.630	1.393	0.892	4.451	2.783	1.578	1.106	0.779	0.673	0.534	0.292
MEAN	0.020	0.054	0.045	0.029	0.159	0.090	0.053	0.036	0.026	0.022	0.017	0.010
PEAK	0.082	0.402	0.165	0.113	1.484	0.624	0.160	0.563	0.402	0.135	0.276	0.098
MAX day	0.035	0.281	0.134	0.052	1.009	0.349	0.084	0.056	0.042	0.040	0.037	0.027
MIN day	0.013	0.022	0.022	0.017	0.032	0.041	0.036	0.022	0.019	0.014	0.007	0.006
CFSM	0.378	1.005	0.831	0.532	2.940	1.661	0.973	0.660	0.481	0.402	0.319	0.180
IN.	0.435	1.121	0.958	0.614	3.062	1.915	1.085	0.761	0.536	0.463	0.368	0.201

Table B.5. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 8
Water Year 1986
AREA = 0.122 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.003	0.011	0.264	0.023	0.040	0.089	0.071	0.011	0.004	0.000	0.000	0.000
2	0.009	0.026	0.178	0.022	0.047	0.086	0.067	0.006	0.003	0.000	0.000	0.000
3	0.010	0.023	0.173	0.025	0.054	0.083	0.064	0.003	0.002	0.000	0.000	0.000
4	0.008	0.040	0.129	0.026	0.055	0.075	0.049	0.003	0.002	0.000	0.000	0.000
5	0.008	0.054	0.104	0.022	0.143	0.064	0.037	0.004	0.004	0.000	0.000	0.000
6	0.007	0.045	0.069	0.022	0.201	0.068	0.042	0.005	0.004	0.000	0.000	0.000
7	0.007	0.033	0.047	0.022	0.204	0.055	0.041	0.004	0.004	0.000	0.000	0.000
8	0.007	0.020	0.040	0.018	0.189	0.047	0.088	0.004	0.003	0.000	0.000	0.000
9	0.007	0.017	0.032	0.020	0.168	0.045	0.043	0.003	0.003	0.000	0.000	0.000
10	0.007	0.015	0.027	0.019	0.155	0.052	0.034	0.003	0.003	0.000	0.000	0.000
11	0.007	0.013	0.040	0.012	0.137	0.060	0.033	0.003	0.003	0.000	0.000	0.000
12	0.007	0.012	0.044	0.014	0.099	0.111	0.031	0.003	0.002	0.000	0.000	0.000
13	0.007	0.009	0.058	0.012	0.088	0.212	0.032	0.003	0.001	0.000	0.000	0.000
14	0.007	0.009	0.055	0.013	0.131	0.273	0.031	0.002	0.000	0.000	0.000	0.000
15	0.008	0.007	0.063	0.010	0.117	0.240	0.028	0.002	0.000	0.000	0.000	0.000
16	0.007	0.019	0.066	0.009	0.126	0.204	0.020	0.002	0.000	0.000	0.000	0.000
17	0.007	0.021	0.060	0.010	0.874	0.178	0.020	0.001	0.000	0.000	0.000	0.000
18	0.007	0.006	0.042	0.014	1.733	0.161	0.018	0.001	0.000	0.000	0.000	0.000
19	0.006	0.006	0.034	0.050	1.000	0.514	0.018	0.001	0.000	0.000	0.000	0.000
20	0.006	0.005	0.036	0.027	0.581	0.423	0.026	0.000	0.000	0.000	0.000	0.000
21	0.009	0.005	0.026	0.031	0.403	0.388	0.028	0.000	0.000	0.000	0.000	0.000
22	0.008	0.018	0.028	0.037	0.302	0.311	0.016	0.000	0.000	0.000	0.000	0.000
23	0.011	0.014	0.029	0.028	0.211	0.257	0.011	0.001	0.000	0.000	0.000	0.000
24	0.008	0.017	0.027	0.029	0.226	0.199	0.012	0.023	0.000	0.000	0.000	0.000
25	0.007	0.020	0.015	0.039	0.183	0.153	0.014	0.022	0.000	0.000	0.000	0.000
26	0.007	0.024	0.016	0.066	0.181	0.119	0.015	0.010	0.000	0.000	0.000	0.000
27	0.007	0.124	0.017	0.065	0.175	0.102	0.014	0.024	0.000	0.000	0.000	0.000
28	0.007	0.348	0.013	0.073	0.112	0.097	0.019	0.020	0.000	0.000	0.000	0.000
29	0.007	0.469	0.011	0.087		0.088	0.015	0.012	0.000	0.000	0.000	0.000
30	0.007	0.332	0.010	0.060		0.085	0.011	0.007	0.000	0.000	0.000	0.000
31	0.007		0.035	0.047		0.078		0.005		0.000	0.000	
TOT.	0.230	1.763	1.786	0.952	7.936	4.916	0.948	0.186	0.038	0.000	0.000	0.000
MEAN	0.007	0.059	0.058	0.031	0.283	0.159	0.032	0.006	0.001	0.000	0.000	0.000
PEAK	0.022	0.841	0.415	0.166	2.825	1.320	0.231	0.596	0.017	0.000	0.000	0.000
MAX day	0.011	0.469	0.264	0.087	1.733	0.514	0.088	0.024	0.004	0.000	0.000	0.000
MIN day	0.003	0.005	0.010	0.009	0.040	0.045	0.011	0.000	0.000	0.000	0.000	0.000
CFSM	0.061	0.483	0.474	0.252	2.330	1.304	0.260	0.049	0.010	0.000	0.000	0.000
IN.	0.070	0.539	0.546	0.291	2.426	1.503	0.290	0.057	0.012	0.000	0.000	0.000

Table B.6. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 1
Water Year 1987
AREA = 0.954 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.037	0.144	0.406	0.438	1.063	8.612	0.874	0.404	0.204	0.088	0.008	0.013
2	0.035	0.138	0.726	0.388	1.493	4.706	0.934	0.355	0.177	0.100	0.007	0.013
3	0.034	0.132	0.657	0.327	1.248	3.128	1.345	0.387	0.147	0.121	0.006	0.012
4	0.033	0.129	0.516	0.297	0.949	2.368	1.692	0.703	0.133	0.177	0.006	0.012
5	0.032	0.143	0.430	0.282	0.846	1.976	1.964	0.395	0.114	0.202	0.005	0.012
6	0.032	0.139	0.366	0.267	0.832	1.583	2.246	0.356	0.103	0.232	0.014	0.011
7	0.031	0.208	0.322	0.259	0.839	1.239	2.210	0.320	0.096	0.250	0.014	0.011
8	0.030	0.316	1.610	0.250	0.767	1.177	1.940	0.250	0.088	0.153	0.013	0.021
9	0.034	0.400	12.708	0.240	0.602	1.417	1.592	0.214	0.082	0.122	0.013	0.020
10	0.075	0.336	8.249	0.276	0.523	0.970	1.226	0.197	0.079	0.108	0.014	0.020
11	0.148	1.150	5.941	0.258	0.501	0.769	1.179	0.184	0.073	0.135	0.013	0.019
12	0.147	0.778	2.971	0.231	0.509	0.845	1.021	0.174	0.076	0.130	0.025	0.357
13	0.533	0.426	1.912	0.214	0.455	0.764	0.810	0.165	0.094	0.112	0.023	0.095
14	0.393	0.293	0.909	0.209	0.498	0.781	1.153	0.152	0.085	0.099	0.021	0.065
15	0.181	0.318	0.733	0.281	0.511	0.784	3.106	0.143	0.078	0.082	0.020	0.048
16	0.129	0.286	1.503	0.262	2.873	0.614	3.188	0.137	0.080	0.075	0.020	0.045
17	0.107	0.255	1.030	0.240	2.861	0.675	3.275	0.192	0.090	0.069	0.021	0.045
18	0.095	0.230	0.903	1.852	2.530	1.070	2.577	0.222	0.079	0.063	0.020	0.044
19	0.088	0.198	0.711	22.345	2.110	2.421	2.086	0.165	0.083	0.059	0.020	0.061
20	0.087	0.361	0.602	7.354	1.832	2.094	1.663	0.509	0.089	0.055	0.018	0.061
21	0.083	0.387	0.623	4.191	1.713	1.876	1.267	0.395	0.099	0.052	0.018	0.048
22	0.082	0.290	0.923	3.158	2.595	1.529	1.041	0.377	0.544	0.049	0.017	0.043
23	0.082	0.364	0.675	2.294	4.362	1.224	0.885	0.238	0.412	0.039	0.016	0.038
24	0.086	2.100	0.554	1.792	3.131	1.092	0.848	0.194	0.181	0.028	0.016	0.034
25	1.742	1.571	0.521	3.672	2.408	1.024	0.656	0.245	0.140	0.023	0.016	0.032
26	0.671	3.025	0.490	5.340	2.024	0.800	0.563	0.261	0.126	0.018	0.015	0.030
27	0.312	1.791	0.460	3.528	10.990	0.737	0.521	0.183	0.099	0.015	0.015	0.028
28	0.225	0.971	0.465	2.630	11.484	0.670	0.501	0.158	0.084	0.013	0.014	0.026
29	0.194	0.653	0.408	2.124		0.598	0.453	0.158	0.077	0.011	0.014	0.052
30	0.172	0.512	0.412	1.838		1.096	0.427	0.215	0.073	0.010	0.014	0.125
31	0.153		0.404	1.301		1.196		0.322		0.008	0.013	
TOT.	6.083	18.042	49.140	68.141	62.549	50.034	43.243	8.371	3.886	2.694	0.471	1.443
MEAN	0.196	0.601	1.585	2.198	2.234	1.614	1.441	0.270	0.130	0.087	0.015	0.048
PEAK	2.992	4.291	18.819	45.669	18.819	13.543	4.843	2.992	4.843	0.492	0.445	2.756
MAX day	1.742	3.025	12.708	22.345	11.484	8.612	3.275	0.703	0.544	0.250	0.025	0.357
MIN day	0.030	0.129	0.322	0.209	0.455	0.598	0.427	0.137	0.073	0.008	0.005	0.011
CFSM	0.206	0.631	1.662	2.305	2.342	1.692	1.511	0.283	0.136	0.091	0.016	0.050
IN.	0.237	0.703	1.916	2.657	2.439	1.951	1.686	0.326	0.152	0.105	0.018	0.056

Table B.7. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 3
Water Year 1987
AREA = 0.559 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.024	0.040	0.233	0.185	0.580	5.501	0.427	0.154	0.065	0.032	0.004	0.003
2	0.030	0.038	0.404	0.147	0.772	2.831	0.679	0.130	0.056	0.030	0.004	0.003
3	0.025	0.037	0.322	0.111	0.574	1.835	0.602	0.155	0.046	0.038	0.003	0.002
4	0.019	0.036	0.234	0.102	0.467	1.255	0.661	0.356	0.052	0.052	0.002	0.002
5	0.017	0.040	0.185	0.092	0.439	0.979	0.877	0.143	0.043	0.074	0.002	0.002
6	0.014	0.038	0.152	0.097	0.450	0.758	1.191	0.119	0.038	0.087	0.007	0.002
7	0.014	0.086	0.138	0.098	0.448	0.632	1.246	0.100	0.035	0.085	0.007	0.002
8	0.013	0.105	0.780	0.081	0.412	0.646	1.037	0.084	0.031	0.049	0.006	0.013
9	0.020	0.149	7.873	0.106	0.276	0.729	0.993	0.075	0.028	0.038	0.006	0.011
10	0.029	0.114	5.188	0.099	0.233	0.445	0.645	0.069	0.026	0.033	0.007	0.009
11	0.042	0.441	3.831	0.084	0.246	0.375	0.634	0.064	0.024	0.050	0.007	0.008
12	0.046	0.308	2.507	0.076	0.265	0.389	0.542	0.064	0.024	0.045	0.014	0.081
13	0.125	0.163	1.368	0.071	0.215	0.363	0.417	0.058	0.028	0.039	0.013	0.019
14	0.062	0.105	0.967	0.086	0.273	0.404	0.612	0.056	0.022	0.030	0.012	0.012
15	0.029	0.146	0.715	0.131	0.262	0.422	1.908	0.054	0.021	0.028	0.011	0.012
16	0.020	0.132	0.506	0.113	1.261	0.441	2.074	0.049	0.023	0.025	0.011	0.012
17	0.017	0.120	0.459	0.100	1.575	0.356	2.140	0.091	0.025	0.023	0.010	0.011
18	0.015	0.102	0.706	0.705	1.408	0.573	1.522	0.095	0.021	0.022	0.009	0.011
19	0.014	0.079	0.536	11.932	1.100	1.146	1.086	0.065	0.024	0.020	0.008	0.019
20	0.014	0.163	0.501	4.506	0.939	1.076	0.833	0.204	0.028	0.019	0.008	0.010
21	0.013	0.133	0.380	2.562	0.885	0.956	0.654	0.173	0.028	0.018	0.007	0.009
22	0.013	0.107	0.308	1.878	1.350	0.797	0.545	0.144	0.317	0.017	0.006	0.008
23	0.013	0.185	0.376	1.185	2.645	0.657	0.465	0.090	0.159	0.016	0.006	0.008
24	0.013	0.815	0.474	0.911	1.943	0.637	0.436	0.069	0.068	0.014	0.006	0.007
25	0.346	0.743	0.309	1.926	1.346	0.601	0.311	0.089	0.047	0.013	0.005	0.007
26	0.195	1.509	0.251	3.312	1.094	0.420	0.250	0.090	0.046	0.012	0.005	0.007
27	0.098	0.887	0.245	2.150	6.524	0.414	0.234	0.065	0.025	0.010	0.005	0.006
28	0.063	0.540	0.225	1.509	7.243	0.350	0.214	0.055	0.019	0.009	0.004	0.006
29	0.054	0.364	0.207	1.126		0.330	0.184	0.047	0.019	0.007	0.004	0.040
30	0.046	0.285	0.207	0.950		0.559	0.183	0.045	0.014	0.006	0.004	0.037
31	0.043		0.171	0.648		0.497		0.082		0.005	0.003	
TOT.	1.489	8.011	30.759	37.079	35.226	27.373	23.600	3.134	1.400	0.949	0.207	0.380
MEAN	0.048	0.267	0.992	1.196	1.258	0.883	0.787	0.101	0.047	0.031	0.007	0.013
PEAK	0.629	2.013	10.900	18.60	10.655	7.904	2.588	1.271	2.371	0.150	-99.000	0.685
MAX day	0.346	1.509	7.873	11.932	7.243	5.501	2.140	0.356	0.317	0.087	0.014	0.081
MIN day	0.013	0.036	0.138	0.071	0.215	0.330	0.183	0.045	0.014	0.005	0.002	0.002
CFSM	0.086	0.478	1.775	2.139	2.250	1.579	1.407	0.181	0.083	0.055	0.012	0.023
IN.	0.099	0.533	2.046	2.466	2.343	1.821	1.570	0.208	0.093	0.063	0.014	0.025

Table B.8. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 4
Water Year 1987
AREA = 0.210 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.004	0.007	0.084	0.087	0.216	1.766	0.181	0.060	0.018	0.002	0.001	0.000
2	0.004	0.007	0.144	0.073	0.268	1.001	0.175	0.045	0.015	0.002	0.001	0.000
3	0.004	0.006	0.123	0.053	0.221	0.712	0.191	0.047	0.012	0.002	0.001	0.000
4	0.004	0.006	0.101	0.051	0.212	0.543	0.197	0.096	0.010	0.004	0.001	0.000
5	0.004	0.007	0.085	0.046	0.231	0.393	0.306	0.046	0.005	0.008	0.000	0.000
6	0.003	0.006	0.071	0.044	0.231	0.322	0.350	0.040	0.003	0.010	0.000	0.000
7	0.003	0.027	0.065	0.049	0.226	0.290	0.348	0.035	0.002	0.012	0.000	0.001
8	0.002	0.031	0.249	0.042	0.206	0.303	0.327	0.029	0.002	0.008	0.000	0.001
9	0.005	0.041	2.472	0.041	0.148	0.328	0.260	0.024	0.002	0.005	0.000	0.002
10	0.007	0.054	1.695	0.050	0.134	0.222	0.214	0.023	0.002	0.003	0.000	0.002
11	0.011	0.179	1.236	0.044	0.140	0.179	0.217	0.023	0.002	0.004	0.000	0.001
12	0.011	0.141	0.790	0.037	0.145	0.175	0.199	0.023	0.002	0.003	0.002	0.004
13	0.031	0.073	0.426	0.035	0.109	0.166	0.161	0.020	0.002	0.004	0.001	0.003
14	0.016	0.043	0.316	0.038	0.129	0.177	0.241	0.018	0.002	0.003	0.001	0.002
15	0.007	0.056	0.275	0.050	0.126	0.179	0.526	0.016	0.002	0.003	0.001	0.002
16	0.005	0.052	0.233	0.052	0.474	0.184	0.493	0.014	0.002	0.002	0.001	0.002
17	0.004	0.048	0.200	0.048	0.477	0.154	0.605	0.018	0.002	0.002	0.001	0.002
18	0.004	0.044	0.273	0.240	0.452	0.228	0.483	0.023	0.002	0.002	0.001	0.001
19	0.004	0.031	0.223	4.590	0.356	0.381	0.366	0.018	0.002	0.001	0.001	0.002
20	0.004	0.052	0.209	1.589	0.331	0.344	0.310	0.035	0.003	0.001	0.001	0.002
21	0.003	0.056	0.162	0.883	0.331	0.317	0.270	0.036	0.003	0.001	0.000	0.002
22	0.003	0.045	0.137	0.622	0.497	0.280	0.244	0.037	0.054	0.001	0.000	0.002
23	0.002	0.070	0.157	0.366	0.895	0.251	0.224	0.026	0.034	0.001	0.000	0.002
24	0.003	0.280	0.203	0.272	0.616	0.244	0.181	0.019	0.021	0.001	0.000	0.001
25	0.073	0.249	0.139	0.550	0.445	0.227	0.124	0.018	0.013	0.001	0.000	0.001
26	0.041	0.361	0.117	0.790	0.377	0.177	0.106	0.026	0.010	0.001	0.000	0.001
27	0.020	0.262	0.115	0.550	2.260	0.181	0.101	0.020	0.005	0.001	0.000	0.001
28	0.013	0.179	0.108	0.413	2.472	0.154	0.089	0.016	0.002	0.001	0.000	0.001
29	0.010	0.133	0.098	0.326		0.150	0.077	0.013	0.002	0.001	0.000	0.006
30	0.008	0.104	0.099	0.282		0.229	0.080	0.014	0.002	0.001	0.000	0.002
31	0.007		0.080	0.227		0.216		0.022		0.001	0.000	
TOT.	0.321	2.651	10.887	12.540	12.724	10.472	7.645	0.898	0.243	0.091	0.018	0.050
MEAN	0.010	0.088	0.345	0.405	0.454	0.338	0.255	0.029	0.008	0.003	0.001	0.002
PEAK	-99.000	0.541	3.884	7.062 *	3.884 *	2.825	1.158	0.235	0.891	0.021	-99.000	0.057
MAX day	0.073	0.361	2.472	4.590	2.472	1.766	0.605	0.096	0.054	0.012	0.002	0.006
MIN day	0.002	0.006	0.065	0.035	0.109	0.150	0.077	0.013	0.002	0.001	0.000	0.000
CFSM	0.049	0.421	1.641	1.926	2.163	1.608	1.213	0.138	0.038	0.014	0.003	0.008
IN.	0.057	0.469	1.892	2.220	2.253	1.854	1.353	0.159	0.043	0.016	0.003	0.009

Table B.9. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 7
Water Year 1987
AREA = 0.054 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.008	0.013	0.050	0.022	0.061	0.643	0.065	0.045	0.034	0.018	0.013	0.011
2	0.008	0.013	0.042	0.023	0.079	0.326	0.072	0.042	0.030	0.018	0.012	0.010
3	0.008	0.012	0.035	0.018	0.062	0.227	0.074	0.046	0.030	0.019	0.012	0.010
4	0.008	0.012	0.027	0.020	0.055	0.169	0.079	0.057	0.029	0.021	0.012	0.010
5	0.008	0.011	0.015	0.017	0.049	0.137	0.094	0.038	0.018	0.026	0.013	0.010
6	0.007	0.011	0.013	0.017	0.054	0.105	0.124	0.038	0.016	0.026	0.015	0.010
7	0.007	0.010	0.014	0.022	0.052	0.089	0.167	0.031	0.015	0.020	0.013	0.010
8	0.007	0.013	0.051	0.017	0.058	0.101	0.141	0.031	0.017	0.017	0.013	0.018
9	0.011	0.013	0.417	0.019	0.037	0.107	0.115	0.028	0.017	0.017	0.013	0.016
10	0.016	0.010	0.358	0.022	0.032	0.079	0.097	0.030	0.020	0.020	0.021	0.014
11	0.023	0.036	0.243	0.019	0.042	0.065	0.082	0.034	0.020	0.025	0.018	0.013
12	0.025	0.042	0.199	0.015	0.044	0.056	0.084	0.034	0.023	0.024	0.028	0.035
13	0.034	0.021	0.112	0.015	0.036	0.049	0.066	0.032	0.024	0.023	0.032	0.028
14	0.018	0.018	0.069	0.020	0.047	0.056	0.085	0.035	0.019	0.018	0.017	0.025
15	0.017	0.017	0.046	0.025	0.048	0.065	0.112	0.036	0.019	0.014	0.016	0.016
16	0.015	0.016	0.034	0.023	0.095	0.067	0.170	0.033	0.023	0.014	0.014	0.017
17	0.015	0.016	0.039	0.020	0.155	0.059	0.217	0.040	0.020	0.014	0.019	0.016
18	0.014	0.016	0.048	0.058	0.160	0.059	0.184	0.038	0.018	0.016	0.018	0.016
19	0.014	0.016	0.040	0.982	0.130	0.100	0.150	0.038	0.017	0.014	0.018	0.021
20	0.014	0.023	0.038	0.407	0.109	0.121	0.112	0.056	0.018	0.016	0.017	0.020
21	0.013	0.021	0.029	0.237	0.103	0.133	0.084	0.055	0.017	0.015	0.017	0.019
22	0.013	0.020	0.024	0.169	0.122	0.119	0.057	0.046	0.030	0.015	0.016	0.018
23	0.013	0.020	0.034	0.107	0.189	0.105	0.069	0.040	0.023	0.016	0.015	0.017
24	0.013	0.074	0.046	0.070	0.226	0.095	0.072	0.033	0.016	0.014	0.014	0.016
25	0.092	0.071	0.033	0.107	0.166	0.091	0.054	0.036	0.014	0.014	0.014	0.016
26	0.053	0.089	0.026	0.227	0.140	0.065	0.048	0.031	0.014	0.014	0.013	0.016
27	0.026	0.081	0.024	0.215	0.565	0.067	0.051	0.032	0.009	0.013	0.012	0.016
28	0.017	0.074	0.023	0.159	0.729	0.061	0.044	0.032	0.008	0.013	0.012	0.016
29	0.016	0.066	0.022	0.122		0.058	0.044	0.027	0.009	0.013	0.012	0.029
30	0.015	0.058	0.025	0.105		0.069	0.044	0.036	0.010	0.013	0.011	0.020
31	0.013		0.020	0.065		0.072		0.035		0.013	0.011	
TOT.	0.563	0.913	2.197	3.362	3.645	3.611	2.859	1.170	0.576	0.534	0.482	0.510
MEAN	0.018	0.030	0.071	0.108	0.130	0.116	0.095	0.038	0.019	0.017	0.016	0.017
PEAK	-99.000	-99.000	0.665	2.022	1.018	0.958	0.244	0.268	0.231	0.066	-99.000	0.783
MAX day	0.092	0.089	0.417	0.982	0.729	0.643	0.217	0.057	0.034	0.026	0.032	0.035
MIN day	0.007	0.010	0.013	0.015	0.032	0.049	0.044	0.027	0.008	0.013	0.011	0.010
CFSM	0.336	0.563	1.311	2.006	2.408	2.155	1.763	0.698	0.355	0.319	0.288	0.315
IN.	0.387	0.628	1.512	2.313	2.508	2.484	1.967	0.805	0.396	0.367	0.332	0.351

Table B.10. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 8
Water Year 1987
AREA = 0.122 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.000	0.000	0.026	0.023	0.091	0.733	0.076	0.030	0.004	0.000	0.000	0.000
2	0.000	0.000	0.021	0.020	0.107	0.529	0.086	0.018	0.002	0.000	0.000	0.000
3	0.000	0.000	0.016	0.016	0.079	0.395	0.111	0.023	0.002	0.000	0.000	0.000
4	0.000	0.000	0.012	0.014	0.067	0.291	0.111	0.044	0.001	0.000	0.000	0.000
5	0.000	0.001	0.008	0.012	0.065	0.225	0.142	0.017	0.000	0.000	0.000	0.000
6	0.000	0.003	0.008	0.012	0.068	0.175	0.175	0.014	0.000	0.000	0.000	0.000
7	0.000	0.005	0.009	0.012	0.074	0.154	0.197	0.011	0.000	0.000	0.000	0.000
8	0.000	0.011	0.050	0.010	0.071	0.143	0.173	0.007	0.000	0.000	0.000	0.000
9	0.000	0.010	0.505	0.011	0.049	0.154	0.153	0.006	0.000	0.000	0.000	0.000
10	0.000	0.009	0.541	0.012	0.040	0.094	0.142	0.006	0.000	0.000	0.000	0.000
11	0.000	0.021	0.440	0.010	0.041	0.072	0.139	0.005	0.000	0.000	0.000	0.000
12	0.000	0.018	0.317	0.008	0.046	0.068	0.117	0.004	0.000	0.000	0.000	0.000
13	0.000	0.014	0.198	0.007	0.040	0.062	0.087	0.004	0.000	0.000	0.000	0.000
14	0.000	0.011	0.137	0.008	0.048	0.073	0.113	0.004	0.000	0.000	0.000	0.000
15	0.000	0.009	0.108	0.014	0.048	0.082	0.185	0.003	0.000	0.000	0.000	0.000
16	0.000	0.008	0.071	0.011	0.144	0.089	0.272	0.003	0.000	0.000	0.000	0.000
17	0.000	0.006	0.058	0.009	0.219	0.069	0.287	0.009	0.000	0.000	0.000	0.000
18	0.000	0.006	0.067	0.063	0.219	0.100	0.252	0.009	0.000	0.000	0.000	0.000
19	0.000	0.005	0.047	0.903	0.180	0.153	0.208	0.005	0.000	0.000	0.000	0.000
20	0.000	0.007	0.050	0.587	0.169	0.178	0.184	0.026	0.000	0.000	0.000	0.000
21	0.000	0.006	0.042	0.414	0.162	0.171	0.168	0.018	0.000	0.000	0.000	0.000
22	0.000	0.006	0.034	0.334	0.208	0.151	0.139	0.014	0.000	0.000	0.000	0.000
23	0.000	0.005	0.043	0.209	0.290	0.141	0.109	0.007	0.000	0.000	0.000	0.000
24	0.000	0.042	0.055	0.161	0.276	0.136	0.096	0.005	0.000	0.000	0.000	0.000
25	0.000	0.046	0.037	0.240	0.235	0.120	0.067	0.012	0.000	0.000	0.000	0.000
26	0.005	0.049	0.029	0.327	0.222	0.090	0.054	0.010	0.000	0.000	0.000	0.000
27	0.001	0.045	0.025	0.290	0.598	0.088	0.050	0.004	0.000	0.000	0.000	0.000
28	0.000	0.040	0.024	0.245	0.795	0.077	0.043	0.003	0.000	0.000	0.000	0.000
29	0.000	0.035	0.022	0.200		0.074	0.040	0.002	0.000	0.000	0.000	0.000
30	0.000	0.030	0.023	0.171		0.110	0.040	0.007	0.000	0.000	0.000	0.000
31	0.000		0.020	0.120		0.087		0.009		0.000	0.000	
TOT.	0.006	0.449	3.045	4.476	4.653	5.081	4.018	0.337	0.011	0.000	0.000	0.000
MEAN	0.000	0.015	0.098	0.144	0.166	0.164	0.134	0.011	0.000	0.000	0.000	0.000
PEAK	0.035	0.131	0.766	1.353	0.768	0.934	0.360	0.273	0.006	0.000	0.000	0.000
MAX day	0.005	0.049	0.541	0.903	0.795	0.733	0.287	0.044	0.004	0.000	0.000	0.000
MIN day	0.000	0.000	0.008	0.007	0.040	0.062	0.040	0.002	0.000	0.000	0.000	0.000
CFSM	0.002	0.123	0.807	1.187	1.366	1.348	1.101	0.089	0.003	0.000	0.000	0.000
IN.	0.002	0.137	0.931	1.368	1.423	1.553	1.229	0.103	0.003	0.000	0.000	0.000

Table B.11. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 1
Water Year 1988
AREA = 0.954 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR
1	0.061	0.064	0.093	0.416	0.229	0.306
2	0.049	0.064	0.086	0.350	0.369	0.291
3	0.046	0.061	0.082	0.272	0.562	0.291
4	0.047	0.063	0.085	0.370	4.199	0.204
5	0.049	0.067	0.082	0.276	2.728	0.303
6	0.049	0.070	0.082	0.224	1.850	0.279
7	0.050	0.071	0.082	0.204	1.231	0.267
8	0.046	0.076	0.082	0.213	0.877	0.259
9	0.045	0.080	0.083	0.187	0.661	0.277
10	0.049	0.245	0.085	0.173	0.527	10.594
11	0.050	0.147	0.082	0.164	0.466	5.243
12	0.050	0.142	0.120	0.161	0.463	3.640
13	0.050	0.095	0.216	0.191	0.375	3.691
14	0.049	0.088	0.221	0.192	0.331	2.677
15	0.049	0.086	0.372	0.182	0.820	2.051
16	0.050	0.082	0.295	0.177	0.741	1.482
17	0.050	0.234	0.261	0.305	0.605	1.042
18	0.050	0.169	0.242	1.285	0.579	0.907
19	0.050	0.122	0.238	6.555	0.678	0.780
20	0.050	0.105	0.248	14.066	0.634	0.614
21	0.060	0.095	0.241	3.062	0.501	0.527
22	0.063	0.093	0.236	1.826	0.446	0.460
23	0.059	0.088	0.227	1.104	0.496	0.410
24	0.059	0.088	0.273	0.697	0.446	0.391
25	0.060	0.088	0.717	0.530	0.394	0.405
26	0.060	0.088	0.509	0.417	0.374	0.409
27	0.068	0.088	0.455	0.370	0.383	0.372
28	0.064	0.089	0.678	0.345	0.363	0.326
29	0.064	0.109	0.406	0.293	0.334	0.305
30	0.064	0.097	0.298	0.245		0.302
31	0.065		0.230	0.237		0.309
TOT.	1.675	3.054	7.407	35.088	22.662	39.413
MEAN	0.054	0.102	0.239	1.132	0.781	1.271
PEAK	0.076	0.341	1.170	58.801	7.730	20.900
MAX day	0.068	0.245	0.717	14.066	4.199	10.594
MIN day	0.045	0.061	0.082	0.161	0.229	0.204
CFSM	0.057	0.107	0.251	1.187	0.819	1.333
IN.	0.065	0.119	0.289	1.368	0.884	1.537

Table B.12. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 3
Water Year 1988
AREA = 0.559 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR
1	0.013	0.014	0.008	0.100	0.076	0.111
2	0.011	0.013	0.007	0.069	0.156	0.109
3	0.012	0.010	0.016	0.065	0.223	0.120
4	0.013	0.012	0.015	0.082	2.241	0.151
5	0.017	0.010	0.014	0.055	1.753	0.123
6	0.021	0.009	0.013	0.047	1.000	0.102
7	0.029	0.009	0.013	0.050	0.698	0.094
8	0.019	0.015	0.016	0.060	0.496	0.086
9	0.017	0.050	0.018	0.050	0.349	0.098
10	0.016	0.032	0.014	0.040	0.256	5.809
11	0.015	0.009	0.015	0.030	0.218	3.694
12	0.013	0.007	0.014	0.030	0.182	2.524
13	0.012	0.008	0.013	0.037	0.128	2.436
14	0.011	0.008	0.021	0.030	0.117	1.769
15	0.011	0.011	0.083	0.027	0.368	1.218
16	0.011	0.039	0.045	0.028	0.300	0.852
17	0.011	0.048	0.030	0.066	0.280	0.604
18	0.011	0.020	0.022	0.286	0.298	0.547
19	0.015	0.014	0.025	2.837	0.390	0.454
20	0.380	0.012	0.033	6.050	0.309	0.338
21	0.034	0.009	0.024	1.636	0.210	0.278
22	0.030	0.008	0.024	0.891	0.206	0.223
23	0.016	0.012	0.018	0.530	0.258	0.195
24	0.014	0.012	0.042	0.334	0.193	0.178
25	0.014	0.014	0.169	0.220	0.166	0.187
26	0.013	0.014	0.115	0.130	0.151	0.202
27	0.014	0.013	0.104	0.092	0.178	0.174
28	0.014	0.020	0.151	0.077	0.152	0.142
29	0.016	0.013	0.077	0.070	0.134	0.132
30	0.018	0.011	0.052	0.073		0.129
31	0.015		0.049	0.080		0.136
TOT.	0.856	0.476	1.260	14.172	11.486	23.215
MEAN	0.028	0.016	0.041	0.457	0.396	0.749
PEAK	0.070	0.146	0.420	18.082	3.532	9.700
MAX day	0.380	0.050	0.169	6.050	2.241	5.809
MIN day	0.011	0.007	0.007	0.027	0.076	0.086
CFSM	0.049	0.028	0.073	0.818	0.708	1.339
IN.	0.057	0.032	0.084	0.943	0.764	1.544

Table B.13. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 4
Water Year 1988
AREA = 0.210 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR
1	0.002	0.001	0.001	0.009	0.040	0.046
2	0.002	0.001	0.001	0.006	0.060	0.045
3	0.002	0.001	0.001	0.007	0.098	0.053
4	0.002	0.001	0.002	0.009	0.650	0.055
5	0.003	0.001	0.002	0.008	0.481	0.046
6	0.004	0.001	0.002	0.008	0.294	0.038
7	0.002	0.001	0.002	0.009	0.233	0.037
8	0.001	0.001	0.002	0.012	0.192	0.034
9	0.001	0.002	0.002	0.011	0.148	0.034
10	0.001	0.003	0.003	0.008	0.114	0.487
11	0.001	0.002	0.003	0.008	0.107	1.059
12	0.001	0.001	0.002	0.009	0.086	0.788
13	0.001	0.001	0.002	0.009	0.064	0.802
14	0.001	0.001	0.002	0.009	0.062	0.554
15	0.001	0.001	0.005	0.009	0.166	0.411
16	0.001	0.002	0.002	0.010	0.143	0.303
17	0.001	0.009	0.002	0.018	0.132	0.240
18	0.001	0.003	0.002	0.144	0.142	0.219
19	0.002	0.001	0.002	0.604	0.177	0.190
20	0.012	0.001	0.002	1.857	0.139	0.146
21	0.007	0.001	0.001	0.654	0.091	0.121
22	0.006	0.001	0.001	0.292	0.100	0.099
23	0.004	0.001	0.001	0.212	0.115	0.088
24	0.002	0.001	0.004	0.152	0.077	0.083
25	0.004	0.001	0.013	0.109	0.069	0.083
26	0.006	0.001	0.008	0.061	0.067	0.085
27	0.011	0.002	0.008	0.045	0.082	0.073
28	0.009	0.002	0.012	0.040	0.062	0.063
29	0.006	0.001	0.010	0.038	0.056	0.060
30	0.001	0.001	0.006	0.038		0.057
31	0.001		0.005	0.041		0.055
TOT.	0.099	0.047	0.111	4.446	4.247	6.454
MEAN	0.003	0.002	0.004	0.143	0.146	0.208
PEAK	0.028	0.024	0.030	6.000	1.000	1.820
MAX day	0.012	0.009	0.013	1.857	0.650	1.059
MIN day	0.001	0.001	0.001	0.006	0.040	0.034
CFSM	0.015	0.007	0.017	0.683	0.697	0.991
IN.	0.018	0.008	0.020	0.787	0.752	1.143

Table B.14. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 7
Water Year 1988
AREA = 0.054 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR
1	0.015	0.012	0.007	0.034	0.018	0.019
2	0.017	0.012	0.004	0.027	0.028	0.019
3	0.011	0.011	0.012	0.026	0.034	0.019
4	0.011	0.012	0.015	0.027	0.136	0.021
5	0.011	0.011	0.015	0.027	0.142	0.019
6	0.016	0.011	0.015	0.028	0.085	0.018
7	0.014	0.011	0.015	0.028	0.054	0.017
8	0.011	0.010	0.014	0.037	0.035	0.017
9	0.013	0.011	0.014	0.030	0.032	0.018
10	0.011	0.015	0.014	0.028	0.030	0.448
11	0.016	0.013	0.012	0.026	0.028	0.286
12	0.016	0.011	0.012	0.024	0.026	0.189
13	0.015	0.011	0.012	0.022	0.026	0.171
14	0.014	0.010	0.021	0.022	0.025	0.159
15	0.010	0.010	0.026	0.020	0.035	0.134
16	0.010	0.010	0.015	0.022	0.037	0.082
17	0.011	0.018	0.011	0.060	0.032	0.060
18	0.011	0.016	0.011	0.038	0.028	0.052
19	0.014	0.014	0.018	0.217	0.036	0.049
20	0.021	0.014	0.020	0.506	0.037	0.041
21	0.012	0.013	0.019	0.142	0.031	0.036
22	0.011	0.013	0.018	0.071	0.027	0.031
23	0.010	0.013	0.013	0.035	0.029	0.028
24	0.013	0.012	0.023	0.025	0.027	0.028
25	0.014	0.012	0.048	0.020	0.024	0.029
26	0.013	0.010	0.037	0.012	0.027	0.029
27	0.014	0.010	0.035	0.011	0.028	0.027
28	0.010	0.013	0.047	0.010	0.025	0.024
29	0.014	0.010	0.024	0.011	0.020	0.024
30	0.014	0.008	0.017	0.014		0.024
31	0.012		0.024	0.017		0.023
TOT.	0.405	0.357	0.588	1.617	1.142	2.141
MEAN	0.013	0.012	0.019	0.052	0.039	0.069
PEAK	0.038	0.027	0.089	1.880	0.214	0.818
MAX day	0.021	0.018	0.048	0.506	0.142	0.448
MIN day	0.010	0.008	0.004	0.010	0.018	0.017
CFSM	0.242	0.220	0.351	0.965	0.728	1.278
IN.	0.279	0.246	0.404	1.112	0.786	1.473

Table B.15. DAILY AVERAGE DISCHARGE
CENTRAL WASTE DISPOSAL FACILITY: CWDF 8
Water Year 1988
AREA = 0.122 SQUARE MILES
(UNITS = CFS)

DAY	OCT	NOV	DEC	JAN	FEB	MAR
1	0.000	0.000	0.000	0.000	0.005	0.010
2	0.000	0.000	0.000	0.000	0.013	0.010
3	0.000	0.000	0.000	0.000	0.023	0.010
4	0.000	0.000	0.000	0.000	0.161	0.012
5	0.000	0.000	0.000	0.000	0.215	0.011
6	0.000	0.000	0.000	0.000	0.157	0.010
7	0.000	0.000	0.000	0.000	0.135	0.008
8	0.000	0.000	0.000	0.000	0.095	0.007
9	0.000	0.000	0.000	0.000	0.063	0.006
10	0.000	0.000	0.000	0.000	0.043	0.031
11	0.000	0.000	0.000	0.000	0.036	0.185
12	0.000	0.000	0.000	0.000	0.026	0.326
13	0.000	0.000	0.000	0.000	0.020	0.269
14	0.000	0.000	0.000	0.000	0.020	0.203
15	0.000	0.000	0.000	0.000	0.045	0.142
16	0.000	0.000	0.000	0.000	0.027	0.104
17	0.000	0.000	0.000	0.003	0.026	0.080
18	0.000	0.000	0.000	0.005	0.033	0.058
19	0.000	0.000	0.000	0.237	0.037	0.043
20	0.000	0.000	0.000	0.644	0.033	0.032
21	0.000	0.000	0.000	0.269	0.030	0.017
22	0.000	0.000	0.000	0.167	0.027	0.011
23	0.000	0.000	0.000	0.108	0.023	0.008
24	0.000	0.000	0.000	0.060	0.020	0.007
25	0.000	0.000	0.000	0.035	0.016	0.014
26	0.000	0.000	0.000	0.016	0.013	0.023
27	0.000	0.000	0.000	0.011	0.012	0.024
28	0.000	0.000	0.000	0.009	0.011	0.022
29	0.000	0.000	0.000	0.008	0.010	0.018
30	0.000	0.000	0.000	0.007		0.016
31	0.000		0.000	0.007		0.015
TOT.	0.000	0.000	0.000	1.586	1.375	1.732
MEAN	0.000	0.000	0.000	0.051	0.047	0.056
PEAK	0.000	0.000	0.000	1.891	0.252	0.470
MAX day	0.000	0.000	0.000	0.644	0.215	0.326
MIN day	0.000	0.000	0.000	0.000	0.005	0.006
CFSM	0.000	0.000	0.000	0.421	0.390	0.459
IN.	0.000	0.000	0.000	0.485	0.420	0.530

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