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Stormwater Quality Report

March 1994 through January 1995

for
City of Mesa, Arizona

Volume II
Storm Hydrographs

by
Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, Arizona 85009

Summary of Sampled Storm Events, March 1994 through January 1995

	Stations Sampled					Rainfall (in.)					Duration (hr.)					
Event Date	MESA_1	MESA_2	MESA_3	MESA_4	MESA_5	MESA_1	MESA_2	MESA_3	MESA_4	MESA_5	MESA_1	MESA_2	MESA_3	MESA_4	MESA_5	Preceeding Dry Period
3/25/94	X	X		X	X	0.73	0.55		0.62	0.7	6	7		6	6	> 72 hours
4/26/94	X	X		X	X	0.54	0.37		0.48	0.32	3	4		3	3	> 72 hours
5/25/94	X	X	X	X	X	0.19	0.2	0.42	UA	0.28	8	2	1	UA	8	> 72 hours
7/17/94			X					0.15					4			> 72 hours
7/19/94	X			X		0.26			0.11		3			3		> 72 hours
8/8/94	X	X	X	X		0.1	0.13	0.12	0.2		1	1	1.5	1		> 72 hours
9/2/94			X					0.32					0.5			> 72 hours
10/15/94	X	X	X	X		0.75	0.56	0.63	UA		3	2.5	2	UA		> 72 hours
11/12/94	X	X	X		X	0.6	0.64	0.6		0.59	5	8	8		4	> 72 hours
12/5/94	X	X	X	X	X	1.24	0.5	0.43	1.12	0.51	18	10	10	12	14	> 72 hours
12/23/94		X	X	X	X		0.73	0.45	0.54	0.8		14	12	12	12	> 72 hours
12/30/94				X	X				0.1	0.12				0.5	1	> 72 hours
1/4/95	X	X	X	X	X	0.78	0.77	0.54	0.25	0.77	12	11	12	13	21	> 72 hours
1/17/95		X	X				UA	0.17				UA	7			> 72 hours
1/25/95		X	X		X		0.17	0.15		0.53		12	10		8	> 72 hours

FCD Stormwater Monitoring Network

Station Key

Agency	Station Address	
Mesa	561 N. Home	MESA_1
	2629 E. Broadway	MESA_2
	4661 E. Fighter Aces Dr	MESA_3
	1336 N Home	MESA_4
	558 S. Dobson	MESA_5

UA: Unavailable

MESA 1

MESA 1: Horne and 6th Street - 3/25/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0001
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=63 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 5:32 PM 25MAR94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML; AUTO CALIBRATE
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=036.00 IN., ROUGHNESS=.013, SLOPE=0.29/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 10:24 AM 15FEB94

			SAMPLE TAKEN			
001-01	5:33 PM	25-Mar-94 010-04	6:26 PM	25-Mar-94 019-07	7:14 PM	25-Mar-94
002-02	5:36 PM	25-Mar-94 011-05	6:32 PM	25-Mar-94 020-07	7:19 PM	25-Mar-94
003-03	5:48 PM	25-Mar-94 012-05	6:38 PM	25-Mar-94 021-07	7:24 PM	25-Mar-94
004-03	5:53 PM	25-Mar-94 013-05	6:44 PM	25-Mar-94 022-07	7:30 PM	25-Mar-94
005-03	5:59 PM	25-Mar-94 014-05	6:50 PM	25-Mar-94 023-08	7:36 PM	25-Mar-94
006-03	6:04 PM	25-Mar-94 015-06	6:55 PM	25-Mar-94 024-08	7:42 PM	25-Mar-94
007-04	6:09 PM	25-Mar-94 016-06	7:00 PM	25-Mar-94 025-08	7:48 PM	25-Mar-94
008-04	6:14 PM	25-Mar-94 017-06	7:04 PM	25-Mar-94 026-08	7:53 PM	25-Mar-94
009-04	6:20 PM	25-Mar-94 018-06	7:09 PM	25-Mar-94		

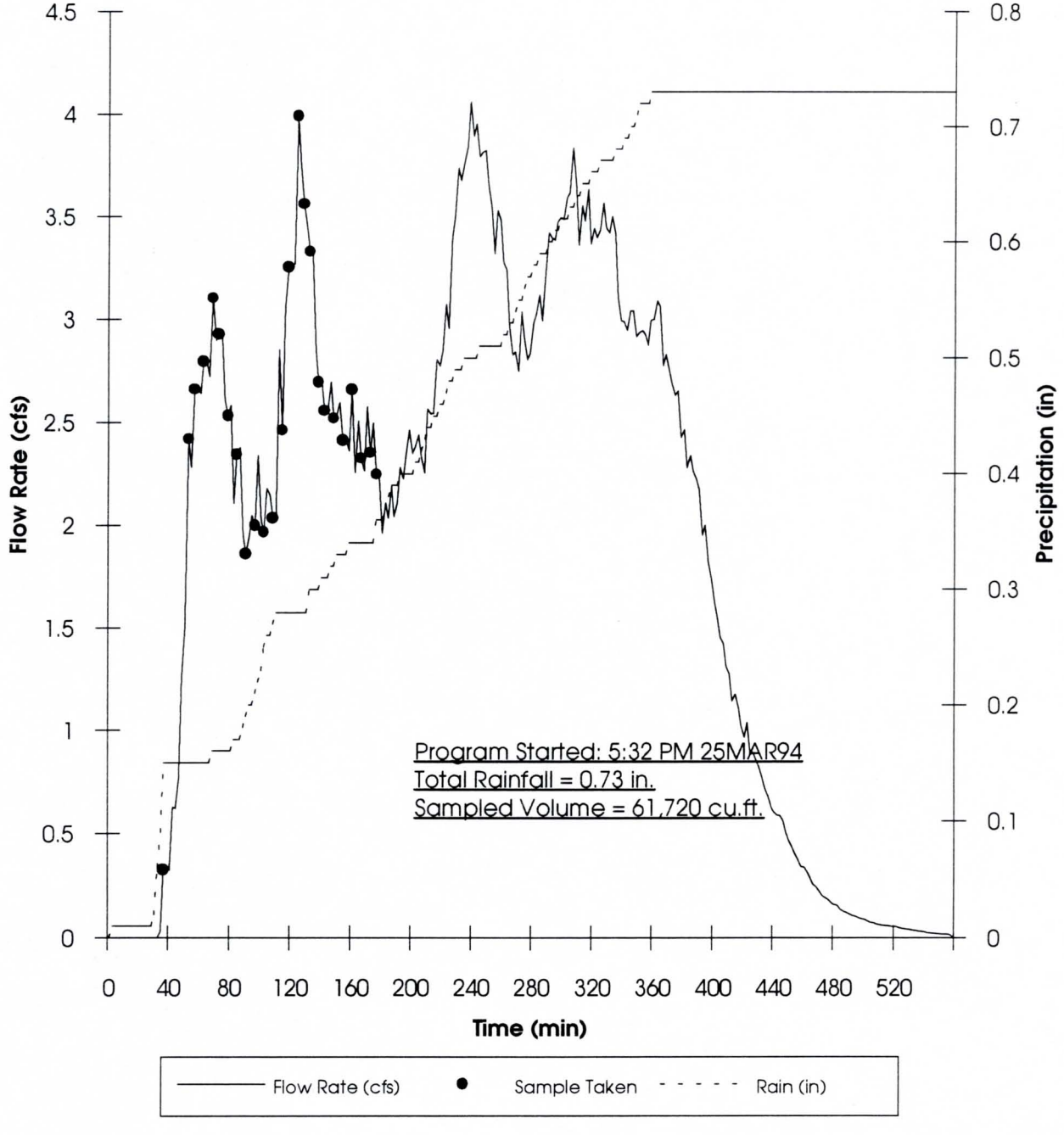
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 5:32 PM 25MAR94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
23-Mar-94	0	0	0	0	0	0	0
24-Mar-94	0	0.008	0	0	0	0	0
25-Mar-94	0	4.057	0.714	61720	0.238	61720	0.73
26-Mar-94	0	1.038	0.054	2040	0.192	63770	0

MESA 1: Horne and 6th Street

3/25/94 Storm Event



MESA 1: Horne and 6th Street - 4/26/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0001
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=63 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 7:52 PM 26APR94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML; AUTO CALIBRATE
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=036.00 IN., ROUGHNESS=.013, SLOPE=0.29/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 10:24 AM 15FEB94

	SAMPLE TAKEN						
001-01	7:53 PM	26-Apr-94	010-04	8:43 PM	26-Apr-94	019-07	9:28 PM	26-Apr-94
002-02	7:56 PM	26-Apr-94	011-05	8:47 PM	26-Apr-94	020-07	9:32 PM	26-Apr-94
003-03	8:14 PM	26-Apr-94	012-05	8:51 PM	26-Apr-94	021-07	9:36 PM	26-Apr-94
004-03	8:19 PM	26-Apr-94	013-05	8:55 PM	26-Apr-94	022-07	9:40 PM	26-Apr-94
005-03	8:23 PM	26-Apr-94	014-05	8:59 PM	26-Apr-94	023-08	9:44 PM	26-Apr-94
006-03	8:27 PM	26-Apr-94	015-06	9:03 PM	26-Apr-94	024-08	9:48 PM	26-Apr-94
007-04	8:31 PM	26-Apr-94	016-06	9:07 PM	26-Apr-94	025-08	9:52 PM	26-Apr-94
008-04	8:35 PM	26-Apr-94	017-06	9:11 PM	26-Apr-94	026-08	9:56 PM	26-Apr-94
009-04	8:39 PM	26-Apr-94	018-06	9:15 PM	26-Apr-94			

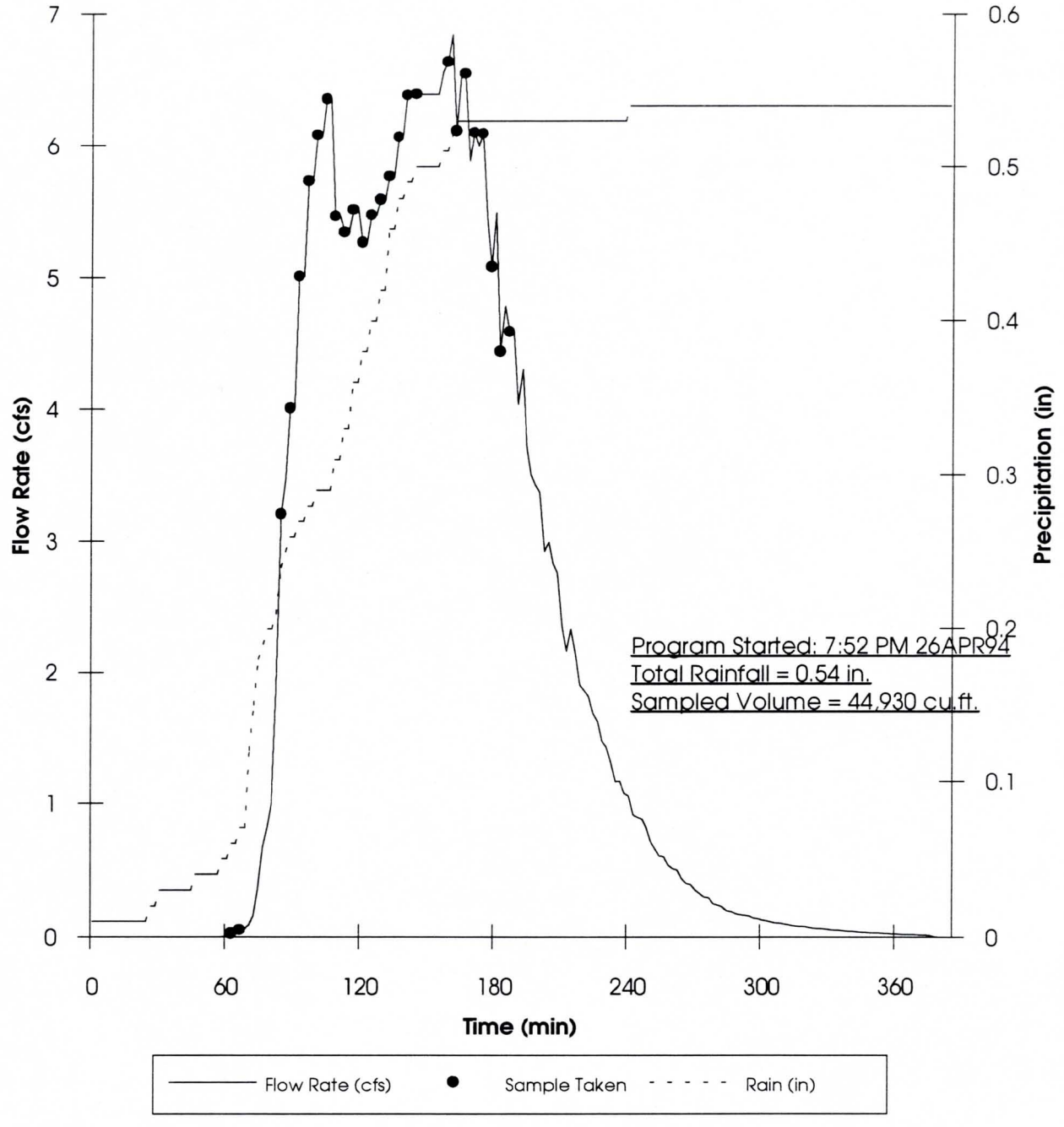
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 7:52 PM 26APR94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
24-Apr-94	0	0	0	0	0	0	0
25-Apr-94	0	0.039	0.002	140	0.001	140	0
26-Apr-94	0	6.842	0.523	44920	0.175	45070	0.54
27-Apr-94	0	0.31	0.015	1280	0.135	46350	0
28-Apr-94	0	0.523	0.116	5660	0.131	52020	0

MESA 1: Horne and 6th Street

4/26/94 Storm Event



MESA_1 Horne/6th Event Date: 5/24/1994

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0001
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=63 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 3:32 PM 24MAY94
COLLECTED 3 SAMPLES IN BOTTLE 7
1 REMAINING
1 BOTTLE TO GO
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML; AUTO CALIBRATE
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=036.00 IN., ROUGHNESS=.013, SLOPE=0.29/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:24 AM 15FEB94

	SAMPLE TAKEN										
001-01	3:33	PM	24-May-94	008-04	12:02	AM	25-May-94	015-06	12:49	AM	25-May-94
002-02	3:37	PM	24-May-94	009-04	12:09	AM	25-May-94	016-06	12:57	AM	25-May-94
003-03	3:55	PM	24-May-94	010-04	12:15	AM	25-May-94	017-06	1:07	AM	25-May-94
004-03	4:34	PM	24-May-94	011-05	12:21	AM	25-May-94	018-06	1:18	AM	25-May-94
005-03	5:28	PM	24-May-94	012-05	12:28	AM	25-May-94	019-07	1:32	AM	25-May-94
006-03	11:42	PM	24-May-94	013-05	12:34	AM	25-May-94	020-07	2:05	AM	25-May-94
007-04	11:54	PM	24-May-94	014-05	12:41	AM	25-May-94	021-07	3:54	AM	25-May-94

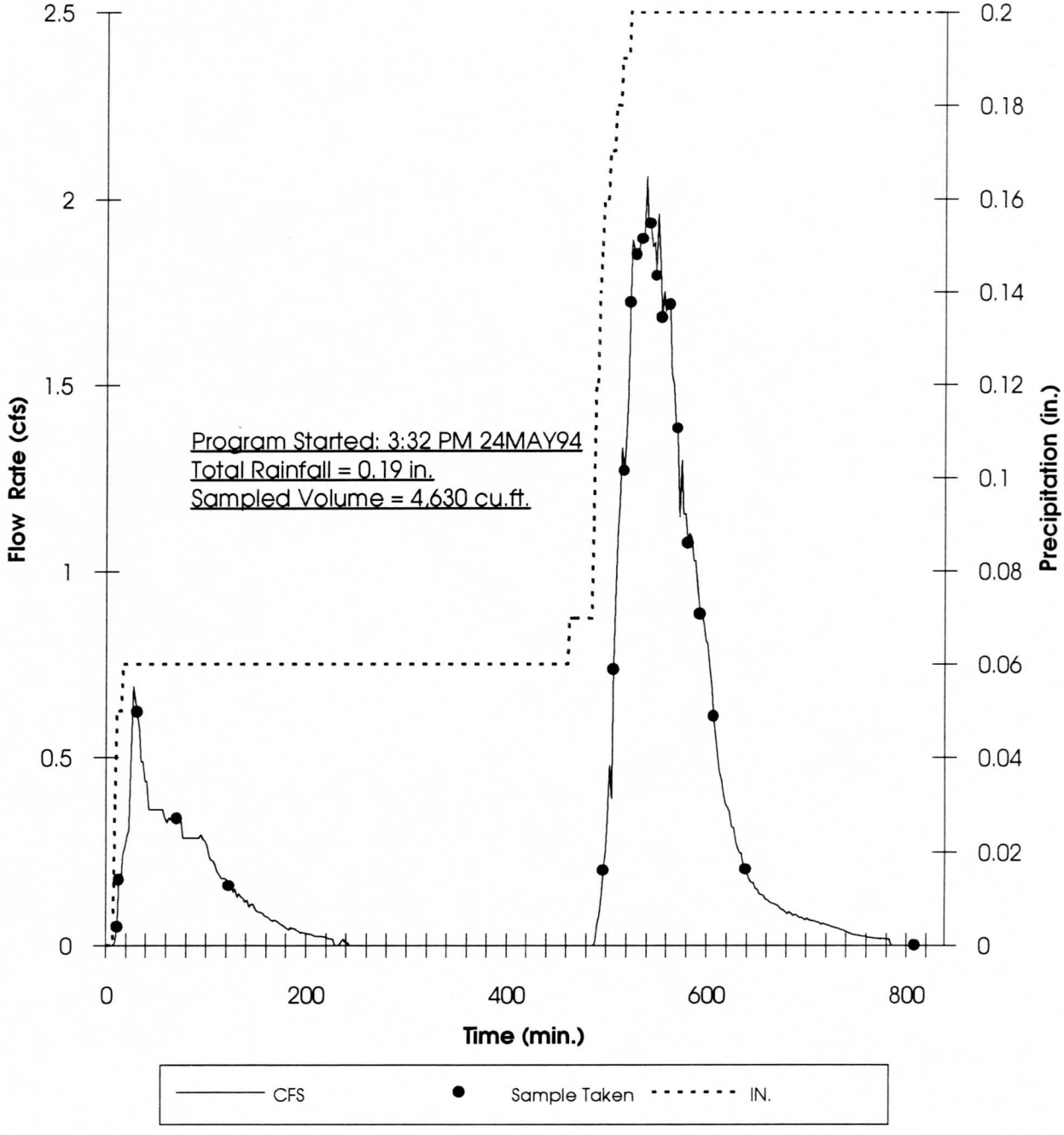
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 3:32 PM 24MAY94

Day	Min. Daily FLow Rate	Max. Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum. Avg. Flow Rate	Cumulative Total Volume	Rain (in.)
23-May-94	0	0.187	0.042	3650	0.005	5070	0
24-May-94	0	1.33	0.054	4630	0.009	9710	0.19
25-May-94	0	2.058	0.41	9010	0.037	18720	0.01

MESA_1 : Horne and 6th Street

5/24/94 Storm Event



MESA 1: Horne and 6th Street - 7/19/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0001
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=63 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 6:54 AM 19JUL94
COLLECTED 1 SAMPLE IN BOTTLE 6
3 REMAINING
2 BOTTLES TO GO
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML; AUTO CALIBRATE
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=036.00 IN., ROUGHNESS=.013, SLOPE=0.29/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 10:24 AM 15FEB94

	SAMPLE TAKEN					
001-01	6:55 AM	19-Jul-94	006-03	7:24 AM	19-Jul-94	011-05	8:08 AM	19-Jul-94
002-02	6:58 AM	19-Jul-94	007-04	7:40 AM	19-Jul-94	012-05	8:17 AM	19-Jul-94
003-03	7:06 AM	19-Jul-94	008-04	7:46 AM	19-Jul-94	013-05	8:26 AM	19-Jul-94
004-03	7:13 AM	19-Jul-94	009-04	7:53 AM	19-Jul-94	014-05	8:38 AM	19-Jul-94
005-03	7:19 AM	19-Jul-94	010-04	8:01 AM	19-Jul-94	015-06	8:53 AM	19-Jul-94

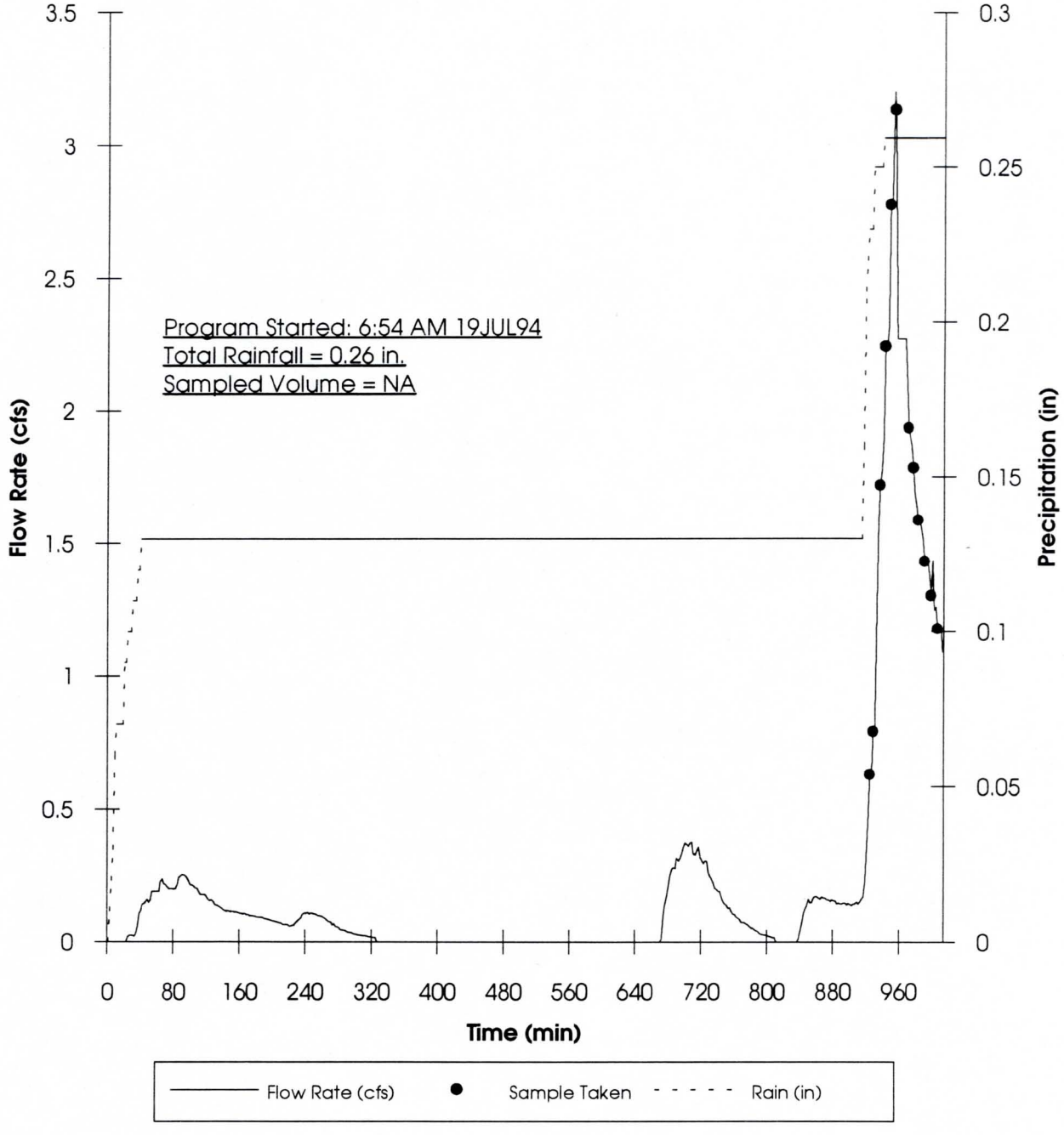
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 6:54 AM 19JUL94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
15-Jul-94	0	0.417	0.044	1950	0.044	1950	0
16-Jul-94	0	0.752	0.037	3200	0.041	5150	0
17-Jul-94	0	0.129	0.013	1080	0.031	6230	0.05
18-Jul-94	0	0.254	0.023	1990	0.029	8230	0.08
19-Jul-94	0	3.202	0.405	13460	0.104	21700	0.26

MESA 1: Horne and 6th Street

7/19/94 Storm Event



MESA 1: Horne and 6th Street - 8/8/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0001
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=63 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 3:24 AM 8AUG94
COLLECTED 0 SAMPLES IN BOTTLE 7
4 REMAINING
1 BOTTLE TO GO
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML; AUTO CALIBRATE
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=036.00 IN., ROUGHNESS=.013, SLOPE=0.29/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:24 AM 15FEB94

	SAMPLE TAKEN					
001-01	3:25 AM	8-Aug-94 007-04	3:49 AM	8-Aug-94 013-05	4:17 AM	8-Aug-94
002-02	3:28 AM	8-Aug-94 008-04	3:53 AM	8-Aug-94 014-05	4:23 AM	8-Aug-94
003-03	3:33 AM	8-Aug-94 009-04	3:57 AM	8-Aug-94 015-06	4:30 AM	8-Aug-94
004-03	3:37 AM	8-Aug-94 010-04	4:02 AM	8-Aug-94 016-06	4:37 AM	8-Aug-94
005-03	3:41 AM	8-Aug-94 011-05	4:07 AM	8-Aug-94 017-06	4:45 AM	8-Aug-94
006-03	3:45 AM	8-Aug-94 012-05	4:12 AM	8-Aug-94 018-06	4:55 AM	8-Aug-94

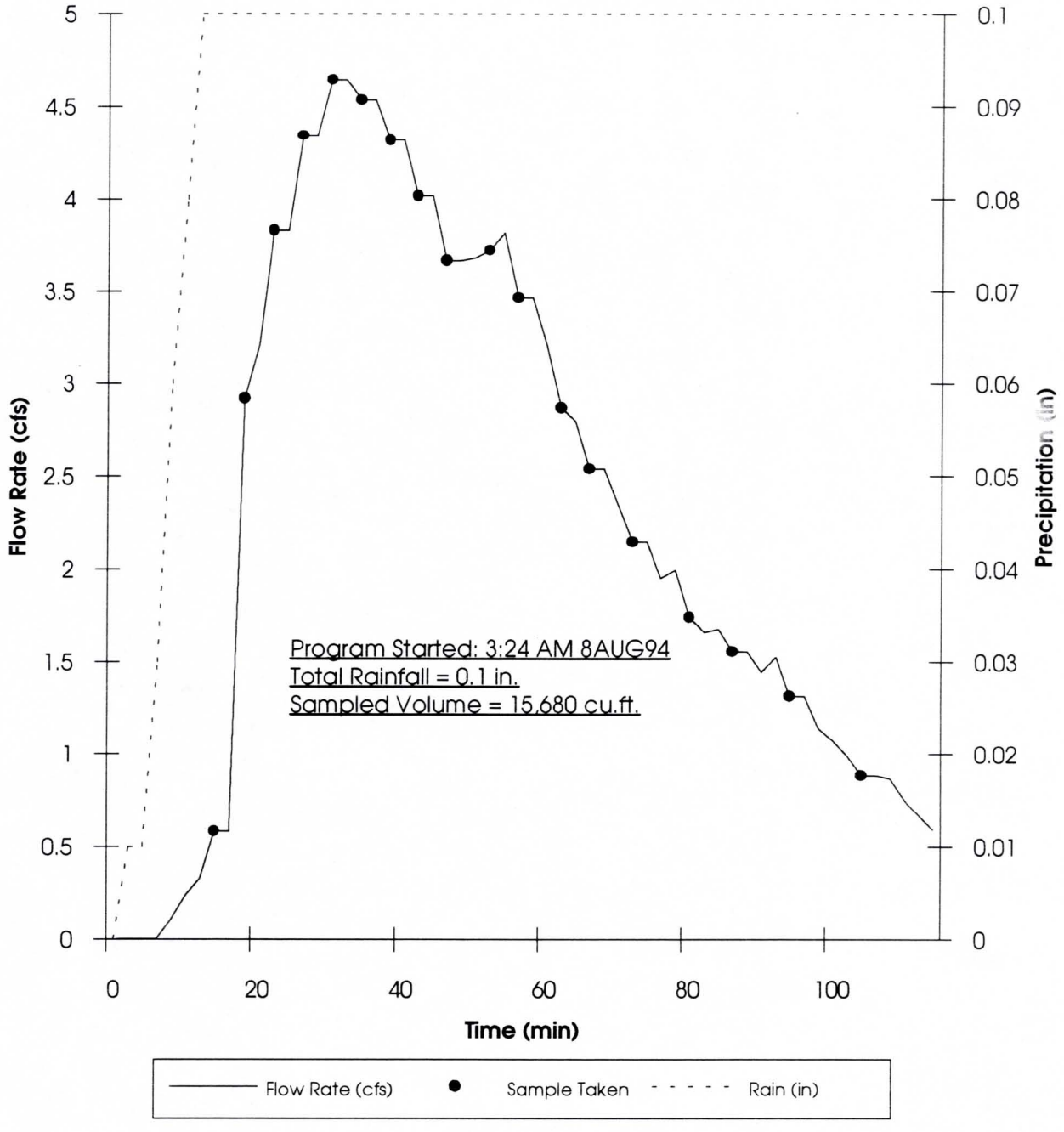
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 3:24 AM 8AUG94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
5-Aug-94	0	0.127	0.006	270	0.006	270	0.01
6-Aug-94	0	0.022	0.003	270	0.005	550	0.01
7-Aug-94	0	0.021	0.003	230	0.004	780	0
8-Aug-94	0.001	4.644	0.851	15680	0.216	16460	0.1

MESA 1: Horne and 6th Street

8/8/94 Storm Event



MESA 1: Horne and 6th Street

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0001
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=63 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 10:16 AM 15OCT94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML; AUTO CALIBRATE
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=036.00 IN., ROUGHNESS=.013, SLOPE=0.29/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:24 AM 15FEB94

	SAMPLE TAKEN					
001-01	10:17 AM	15-Oct-94 011-04	10:52 AM	15-Oct-94 020-06	11:19 AM	15-Oct-94
002-01	10:20 AM	15-Oct-94 012-04	10:55 AM	15-Oct-94 021-07	11:22 AM	15-Oct-94
003-02	10:23 AM	15-Oct-94 013-05	10:58 AM	15-Oct-94 022-07	11:25 AM	15-Oct-94
004-02	10:26 AM	15-Oct-94 014-05	11:01 AM	15-Oct-94 023-07	11:28 AM	15-Oct-94
005-03	10:30 AM	15-Oct-94 015-05	11:04 AM	15-Oct-94 024-07	11:31 AM	15-Oct-94
006-03	10:34 AM	15-Oct-94 016-05	11:07 AM	15-Oct-94 025-08	11:34 AM	15-Oct-94
007-03	10:38 AM	15-Oct-94 017-06	11:10 AM	15-Oct-94 026-08	11:37 AM	15-Oct-94
008-03	10:42 AM	15-Oct-94 018-06	11:13 AM	15-Oct-94 027-08	11:40 AM	15-Oct-94
009-04	10:46 AM	15-Oct-94 019-06	11:16 AM	15-Oct-94 028-08	11:43 AM	15-Oct-94
010-04	10:49 AM	15-Oct-94				

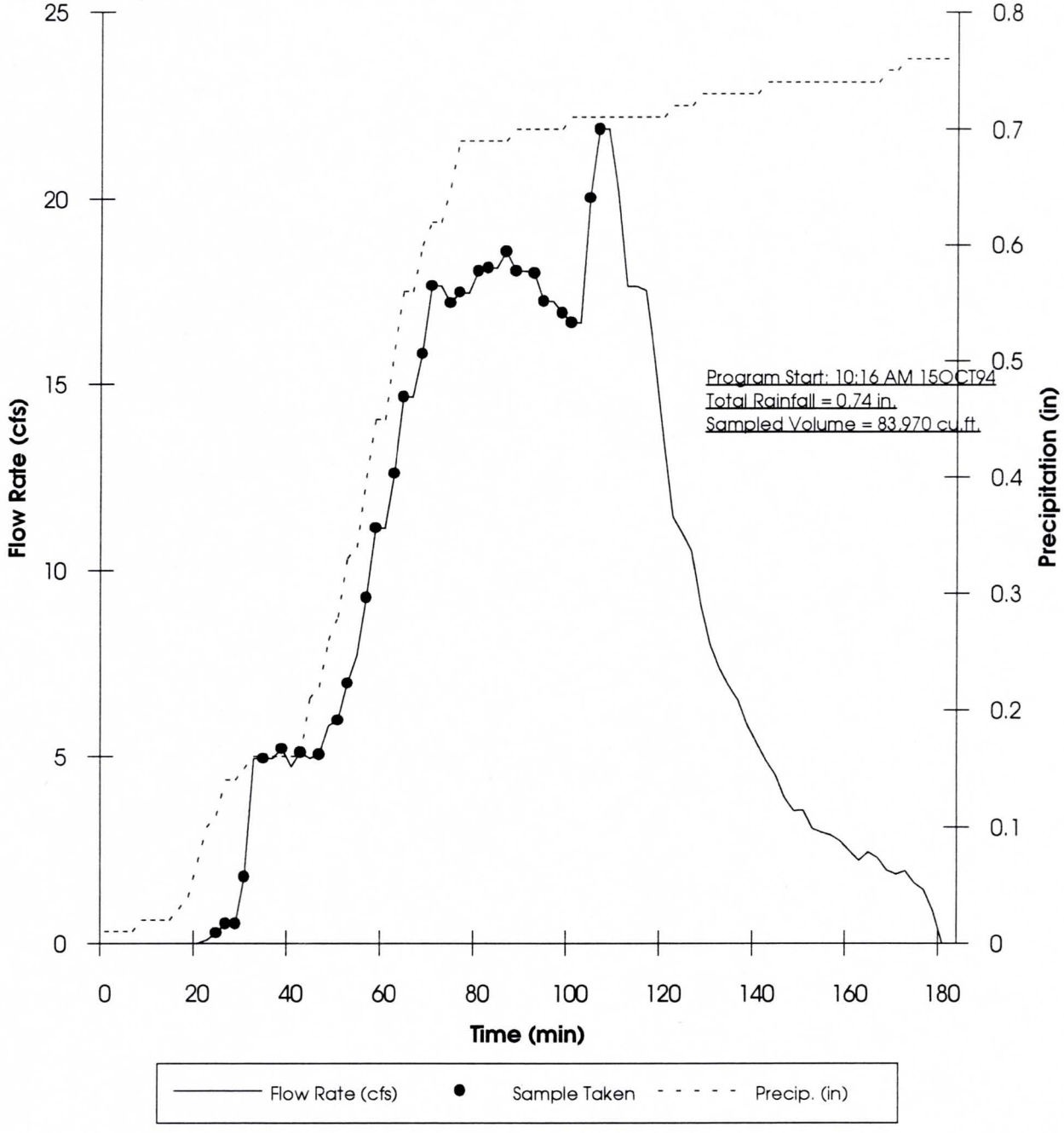
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 10:16 AM 15OCT94

Day	Min Dauly Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg Flow RAte	Cumulative Total Volume	Rain (in)
5-Oct-94	0.002	0.003	0.002	20	0.002	20	0
6-Oct-94	0	0.005	0.001	110	0.002	140	0
7-Oct-94	0	0.073	0.004	340	0.003	490	0
8-Oct-94	0	0.482	0.006	530	0.003	1020	0
9-Oct-94	0	0.21	0.004	380	0.004	1400	0
10-Oct-94	0	0.02	0.002	160	0.003	1570	0
11-Oct-94	0	0.001	0	0	0.003	1570	0
12-Oct-94	0	0.036	0.005	470	0.003	2050	0
13-Oct-94	0	0.454	0.232	20050	0.029	22100	0
14-Oct-94	0	0.002	0.001	70	0.026	22170	0.01
15-Oct-94	0	21.865	1.055	83970	0.119	106140	0.75
16-Oct-94	0.002	0.004	0.003	250	0.11	106390	0
17-Oct-94	0	0.099	0.006	240	0.102	106630	0

MESA 1: Horne and 6th Street

10/15/94 Storm Event



MESA 1: Horne and 6th Street - 11/12/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#:001
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=63 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 3:49 AM 12NOV94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=036.00 IN., ROUGHNESS=.013, SLOPE=0.29/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:12:52 PM 31OCT94

			SAMPLE TAKEN			
001-01	3:50 AM	12-Nov-94 011-04	5:24 AM	12-Nov-94 020-06	6:20 AM	12-Nov-94
002-01	3:53 AM	12-Nov-94 012-04	5:29 AM	12-Nov-94 021-07	6:26 AM	12-Nov-94
003-02	3:56 AM	12-Nov-94 013-05	5:34 AM	12-Nov-94 022-07	6:33 AM	12-Nov-94
004-02	3:59 AM	12-Nov-94 014-05	5:39 AM	12-Nov-94 023-07	6:40 AM	12-Nov-94
005-03	4:40 AM	12-Nov-94 015-05	5:45 AM	12-Nov-94 024-07	6:48 AM	12-Nov-94
006-03	4:50 AM	12-Nov-94 016-05	5:51 AM	12-Nov-94 025-08	6:57 AM	12-Nov-94
007-03	4:59 AM	12-Nov-94 017-06	5:58 AM	12-Nov-94 026-08	7:08 AM	12-Nov-94
008-03	5:06 AM	12-Nov-94 018-06	6:06 AM	12-Nov-94 027-08	7:24 AM	12-Nov-94
009-04	5:12 AM	12-Nov-94 019-06	6:13 AM	12-Nov-94 028-08	10:46 AM	12-Nov-94
010-04	5:18 AM	12-Nov-94				

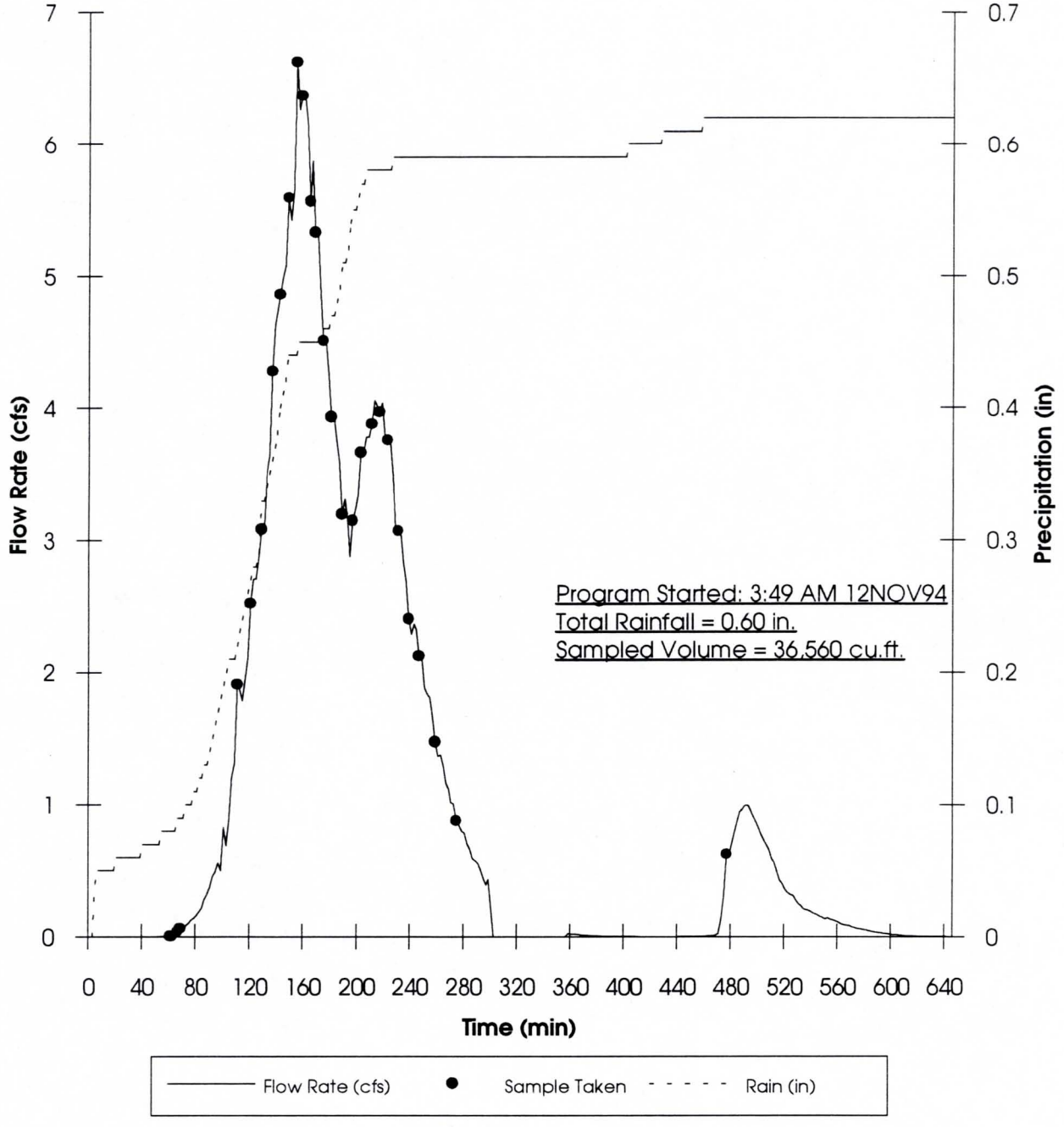
FLOW RATE UNITS: CU FT/SEC VOLUME UNITS: CU FT

PROGRAM STARTED: 3:49 AM 12NOV94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
10-Nov-94	0	0	0	0	0	0	0
11-Nov-94	0	0	0	0	0	0	0.02
12-Nov-94	0	6.627	0.667	36560	0.222	36560	0.6

MESA 1: Horne and 6th Street

11/12/94 Storm Event



Mesa 1: Horne & 6th - 12/5/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0001
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=63 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 10:57 PM 4DEC94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=036.00 IN., ROUGHNESS=.013, SLOPE=0.29/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:12:52 PM 31OCT94

	SAMPLE TAKEN					
001-01	10:58 PM	4-Dec-94 011-04	3:35 AM	5-Dec-94 020-06	9:25 AM	5-Dec-94
002-01	11:01 PM	4-Dec-94 012-04	3:49 AM	5-Dec-94 021-07	9:39 AM	5-Dec-94
003-02	11:04 PM	4-Dec-94 013-05	4:04 AM	5-Dec-94 022-07	9:52 AM	5-Dec-94
004-02	11:07 PM	4-Dec-94 014-05	4:17 AM	5-Dec-94 023-07	10:06 AM	5-Dec-94
005-03	1:04 AM	5-Dec-94 015-05	4:31 AM	5-Dec-94 024-07	10:23 AM	5-Dec-94
006-03	1:30 AM	5-Dec-94 016-05	4:48 AM	5-Dec-94 025-08	10:50 AM	5-Dec-94
007-03	1:54 AM	5-Dec-94 017-06	5:13 AM	5-Dec-94 026-08	11:37 AM	5-Dec-94
008-03	2:24 AM	5-Dec-94 018-06	5:51 AM	5-Dec-94 027-08	1:49 PM	5-Dec-94
009-04	2:55 AM	5-Dec-94 019-06	9:09 AM	5-Dec-94 028-08	2:15 PM	5-Dec-94
010-04	3:19 AM	5-Dec-94				

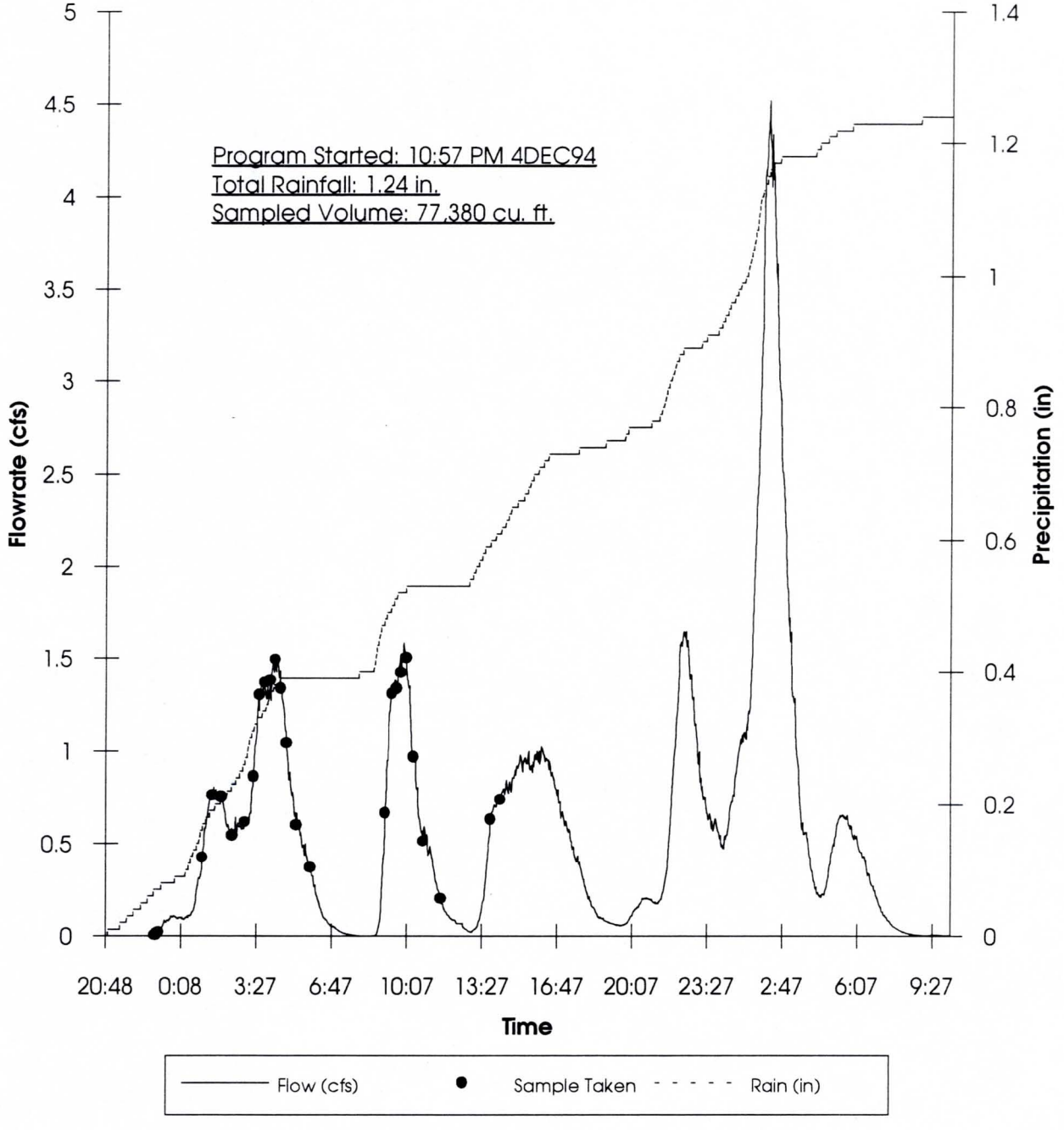
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 10:57 PM 4DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	
1-Dec-94	0	0	0	0	0.001	900	0
2-Dec-94	0	0.104	0.001	120	0.001	1020	0
3-Dec-94	0	0.095	0.001	120	0.001	1150	0
4-Dec-94	0	0.163	0.004	380	0.002	1530	0.09
5-Dec-94	0	1.648	0.544	46380	0.043	47910	0.83
6-Dec-94	0.002	4.517	0.834	30620	0.1	78530	0.32

Mesa 1: Horne & 6th

12/5/94 Storm Event



Mesa 1: Horne at Sixth Street: 1/4/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0001
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=63 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 4:11 AM 4JAN95
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: SAMPLE OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=036.00 IN., ROUGHNESS=.013, SLOPE=0.29/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 8:40 AM 21DEC94

	SAMPLE TAKEN					
001-01	4:12 AM	4-Jan-95 011-04	5:34 AM	4-Jan-95 020-06	7:05 AM	4-Jan-95
002-01	4:15 AM	4-Jan-95 012-04	5:44 AM	4-Jan-95 021-07	7:15 AM	4-Jan-95
003-02	4:18 AM	4-Jan-95 013-05	5:54 AM	4-Jan-95 022-07	7:26 AM	4-Jan-95
004-02	4:21 AM	4-Jan-95 014-05	6:04 AM	4-Jan-95 023-07	7:37 AM	4-Jan-95
005-03	4:32 AM	4-Jan-95 015-05	6:14 AM	4-Jan-95 024-07	7:48 AM	4-Jan-95
006-03	4:44 AM	4-Jan-95 016-05	6:25 AM	4-Jan-95 025-08	8:00 AM	4-Jan-95
007-03	4:54 AM	4-Jan-95 017-06	6:35 AM	4-Jan-95 026-08	8:13 AM	4-Jan-95
008-03	5:04 AM	4-Jan-95 018-06	6:45 AM	4-Jan-95 027-08	8:30 AM	4-Jan-95
009-04	5:14 AM	4-Jan-95 019-06	6:55 AM	4-Jan-95 028-08	8:42 AM	4-Jan-95
010-04	5:24 AM	4-Jan-95				

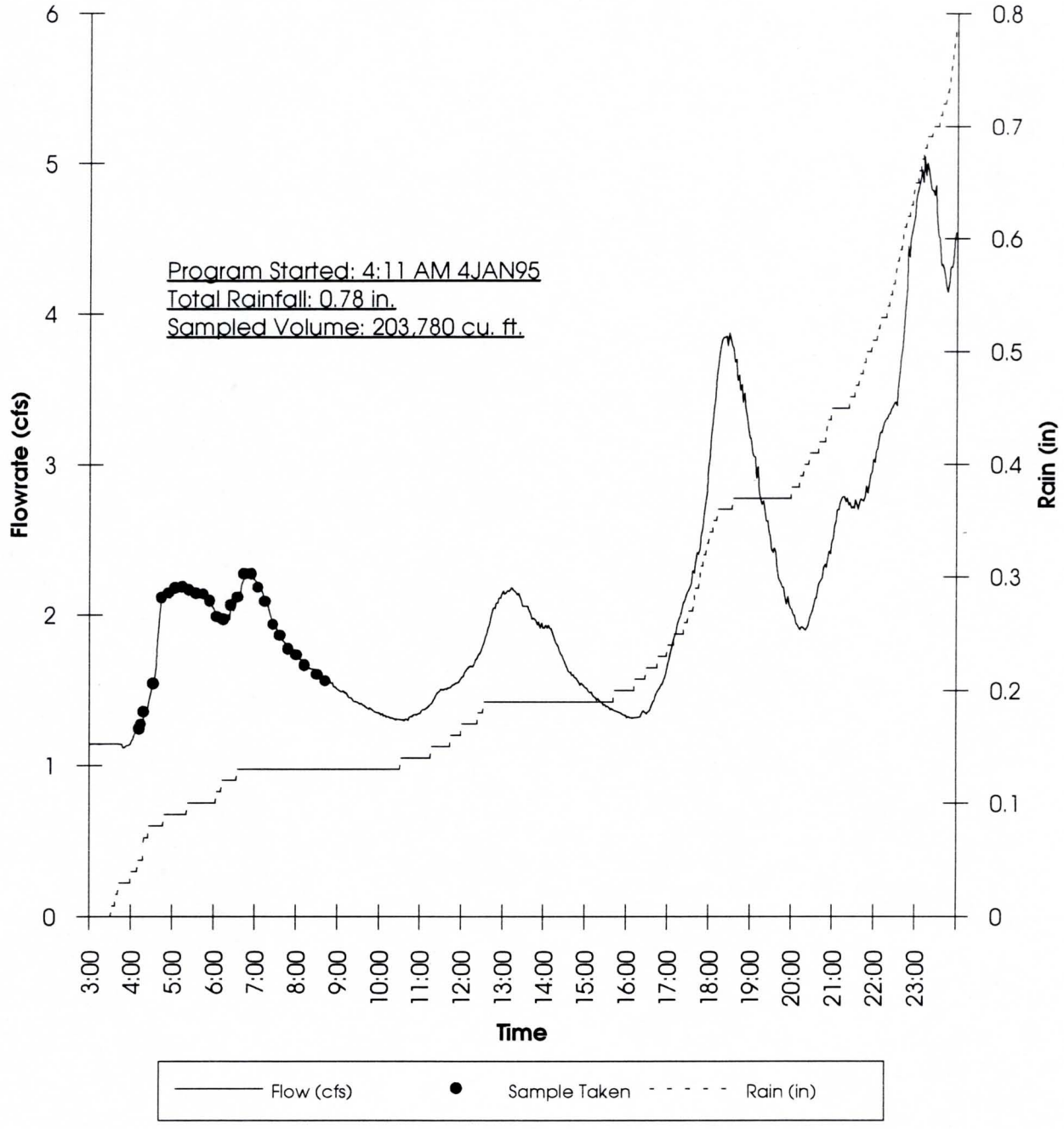
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 4:11 AM 4JAN95

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rainfall
3-Jan-95	1.142	1.16	1.148	32910	1.148	32910	0
4-Jan-95	1.113	5.039	1.997	170870	1.572	203780	0.78
5-Jan-95	1.144	7.412	1.975	170660	1.707	374440	0.58
6-Jan-95	1.138	1.144	1.14	30910	1.565	405360	0

Mesa 1: Horne at Sixth Street

1/4/95 Storm Event



MESA 2

MESA 2: Broadway Between Gilbert and Lindsey - 3/25/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 6:41 PM 25MAR94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 1:42 PM 21JAN94

			SAMPLE TAKEN			
001-01	6:42 PM	25-Mar-94 010-04	8:16 PM	25-Mar-94 019-07	8:52 PM	25-Mar-94
002-02	6:45 PM	25-Mar-94 011-05	8:20 PM	25-Mar-94 020-07	8:56 PM	25-Mar-94
003-03	7:23 PM	25-Mar-94 012-05	8:24 PM	25-Mar-94 021-07	9:00 PM	25-Mar-94
004-03	7:41 PM	25-Mar-94 013-05	8:28 PM	25-Mar-94 022-07	9:04 PM	25-Mar-94
005-03	7:47 PM	25-Mar-94 014-05	8:32 PM	25-Mar-94 023-08	9:08 PM	25-Mar-94
006-03	7:53 PM	25-Mar-94 015-06	8:36 PM	25-Mar-94 024-08	9:12 PM	25-Mar-94
007-04	7:59 PM	25-Mar-94 016-06	8:40 PM	25-Mar-94 025-08	9:16 PM	25-Mar-94
008-04	8:05 PM	25-Mar-94 017-06	8:44 PM	25-Mar-94 026-08	9:20 PM	25-Mar-94
009-04	8:11 PM	25-Mar-94 018-06	8:48 PM	25-Mar-94		

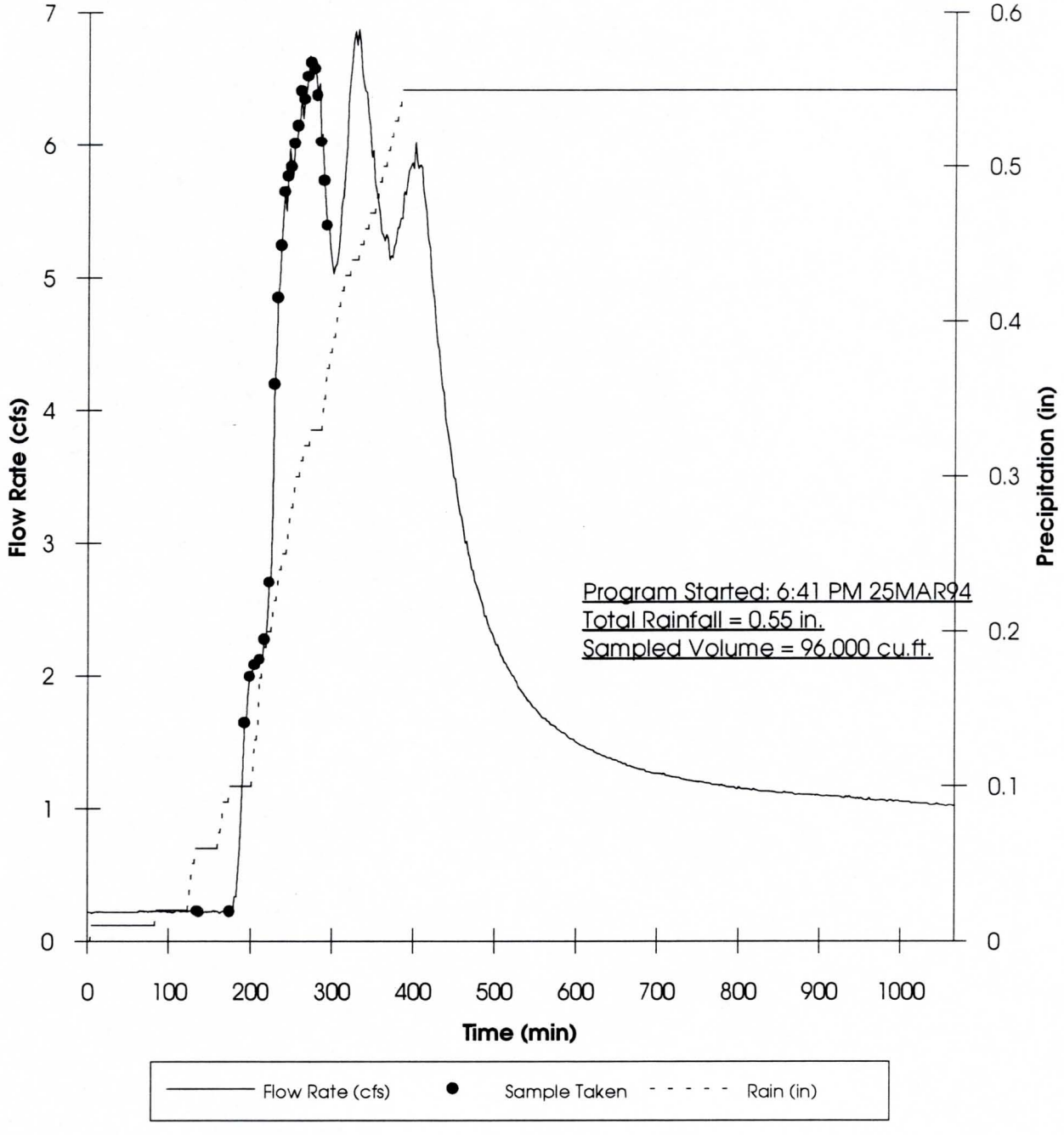
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 6:41 PM 25MAR94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
23-Mar-94	0.238	0.26	0.249	9660	0.249	9660	0
24-Mar-94	0.223	0.272	0.246	21270	0.248	30940	0
25-Mar-94	0.209	6.869	1.112	95990	0.536	126940	0.55
26-Mar-94	1.008	3.476	1.377	54350	0.746	181280	0

MESA 2: Broadway Between Gilbert and Lindsey

3/25/94 Storm Event



MESA 2: Broadway Road Between Gilbert and Lindsey - 4/26/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 7:54 PM 26APR94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 1:42 PM 21JAN94

			SAMPLE TAKEN			
001-01	7:55 PM	26-Apr-94 010-04	9:26 PM	26-Apr-94 019-07	10:07 PM	26-Apr-94
002-02	7:58 PM	26-Apr-94 011-05	9:30 PM	26-Apr-94 020-07	10:11 PM	26-Apr-94
003-03	8:58 PM	26-Apr-94 012-05	9:34 PM	26-Apr-94 021-07	10:15 PM	26-Apr-94
004-03	9:02 PM	26-Apr-94 013-05	9:38 PM	26-Apr-94 022-07	10:20 PM	26-Apr-94
005-03	9:06 PM	26-Apr-94 014-05	9:47 PM	26-Apr-94 023-08	10:25 PM	26-Apr-94
006-03	9:10 PM	26-Apr-94 015-06	9:51 PM	26-Apr-94 024-08	10:30 PM	26-Apr-94
007-04	9:14 PM	26-Apr-94 016-06	9:55 PM	26-Apr-94 025-08	10:35 PM	26-Apr-94
008-04	9:18 PM	26-Apr-94 017-06	9:59 PM	26-Apr-94 026-08	10:40 PM	26-Apr-94
009-04	9:22 PM	26-Apr-94 018-06	10:03 PM	26-Apr-94		

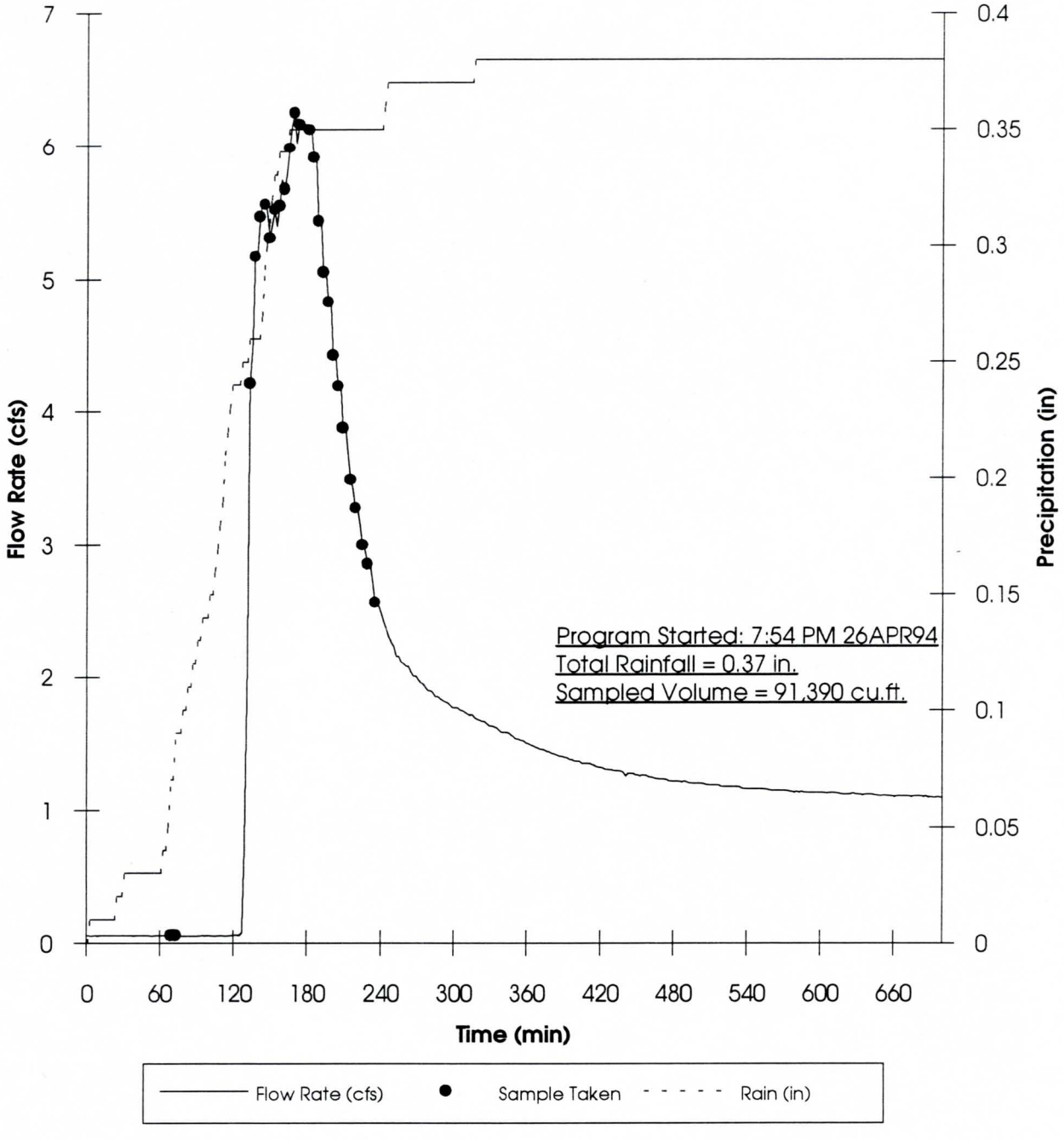
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 7:54 PM 26APR94

Day	Min Daily Flow Rate	Max Dily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
24-Apr-94	0.078	0.086	0.082	1190	0.082	1190	0
25-Apr-94	0.055	0.086	0.07	6010	0.076	7200	0
26-Apr-94	0.048	6.247	0.51	43890	0.22	51100	0.37
27-Apr-94	0.939	1.712	1.058	91390	0.43	142490	0.01
28-Apr-94	0.945	0.989	0.979	34300	0.54	176800	0

MESA 2: Braodway Road Between Gilbert and Lindsey

4/26/94 Storm Event



MESA 2: Broadway Between Gilbert and Lindsey, 5/24/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 11:32 PM 24MAY94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 1:42 PM 21JAN94

SAMPLE TAKEN

001-01	11:33	PM	24-May-94	010-04	12:34	AM	25-May-94	019-07	1:19	AM	25-May-94
002-02	11:36	PM	24-May-94	011-05	12:38	AM	25-May-94	020-07	1:25	AM	25-May-94
003-03	12:06	AM	25-May-94	012-05	12:42	AM	25-May-94	021-07	1:31	AM	25-May-94
004-03	12:10	AM	25-May-94	013-05	12:47	AM	25-May-94	022-07	1:40	AM	25-May-94
005-03	12:14	AM	25-May-94	014-05	12:52	AM	25-May-94	023-08	1:47	AM	25-May-94
006-03	12:18	AM	25-May-94	015-06	12:57	AM	25-May-94	024-08	1:54	AM	25-May-94
007-04	12:22	AM	25-May-94	016-06	1:02	AM	25-May-94	025-08	2:01	AM	25-May-94
008-04	12:26	AM	25-May-94	017-06	1:07	AM	25-May-94	026-08	2:08	AM	25-May-94
009-04	12:30	AM	25-May-94	018-06	1:13	AM	25-May-94				

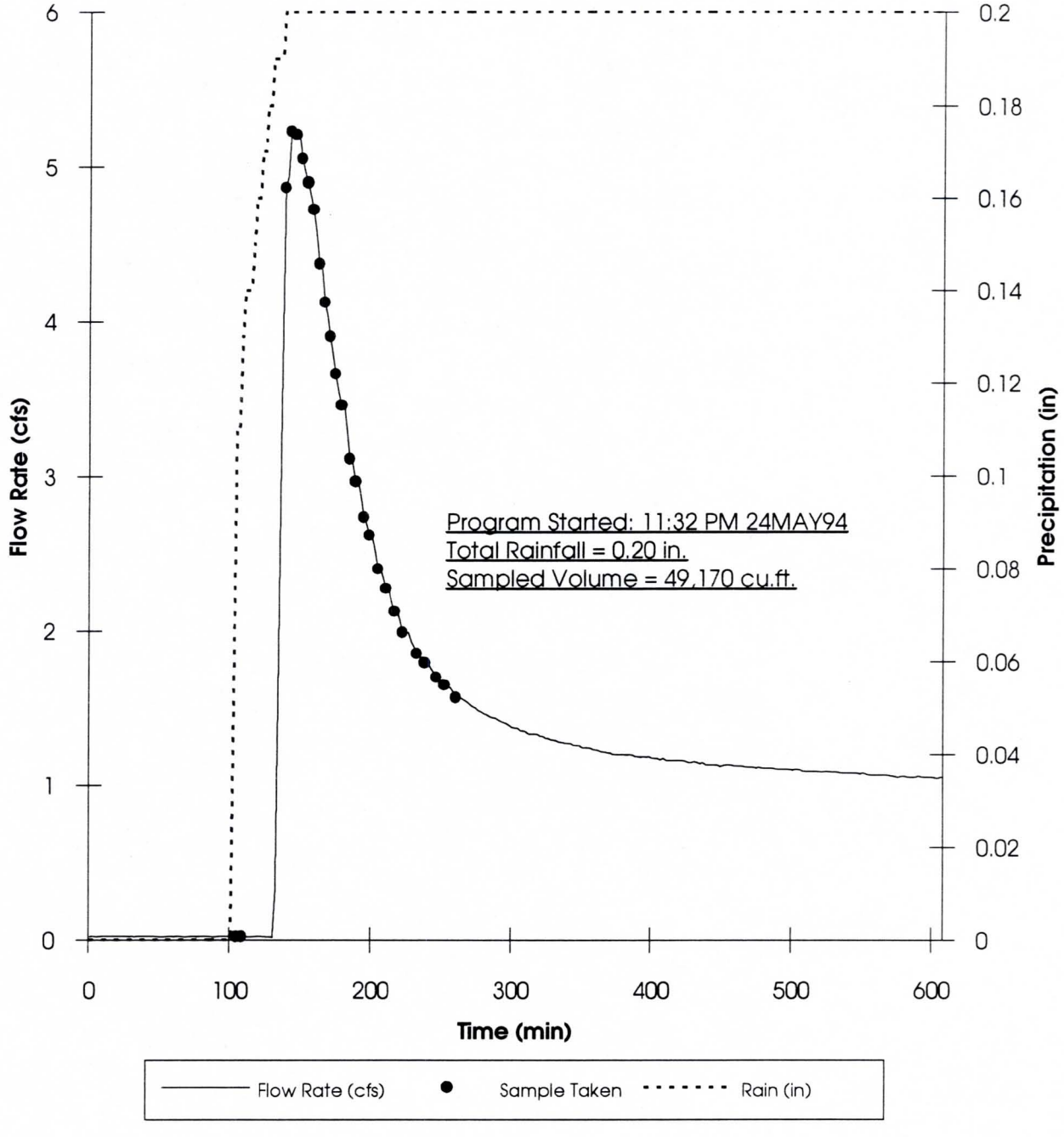
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 11:32 PM 24MAY94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
24-May-94	0.019	0.025	0.022	160	0.022	160	0.18
25-May-94	0.018	5.239	1.633	49000	0.828	49170	0.02

MESA_2; Broadway Between Gilbert and Lindsey

5/24/94 Storm Event



MESA 2: Broadway Road Between Gilbert and Lindsey - 8/8/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 3:19 AM 8AUG94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 1:42 PM 21JAN94

	SAMPLE TAKEN					
001-01	3:20 AM	8-Aug-94	010-04	4:10 AM	8-Aug-94 019-07	4:56 AM	8-Aug-94
002-02	3:23 AM	8-Aug-94	011-05	4:14 AM	8-Aug-94 020-07	5:02 AM	8-Aug-94
003-03	3:41 AM	8-Aug-94	012-05	4:19 AM	8-Aug-94 021-07	5:09 AM	8-Aug-94
004-03	3:46 AM	8-Aug-94	013-05	4:24 AM	8-Aug-94 022-07	5:16 AM	8-Aug-94
005-03	3:50 AM	8-Aug-94	014-05	4:29 AM	8-Aug-94 023-08	5:23 AM	8-Aug-94
006-03	3:54 AM	8-Aug-94	015-06	4:34 AM	8-Aug-94 024-08	5:29 AM	8-Aug-94
007-04	3:58 AM	8-Aug-94	016-06	4:39 AM	8-Aug-94 025-08	5:36 AM	8-Aug-94
008-04	4:02 AM	8-Aug-94	017-06	4:45 AM	8-Aug-94 026-08	5:44 AM	8-Aug-94
009-04	4:06 AM	8-Aug-94	018-06	4:50 AM	8-Aug-94		

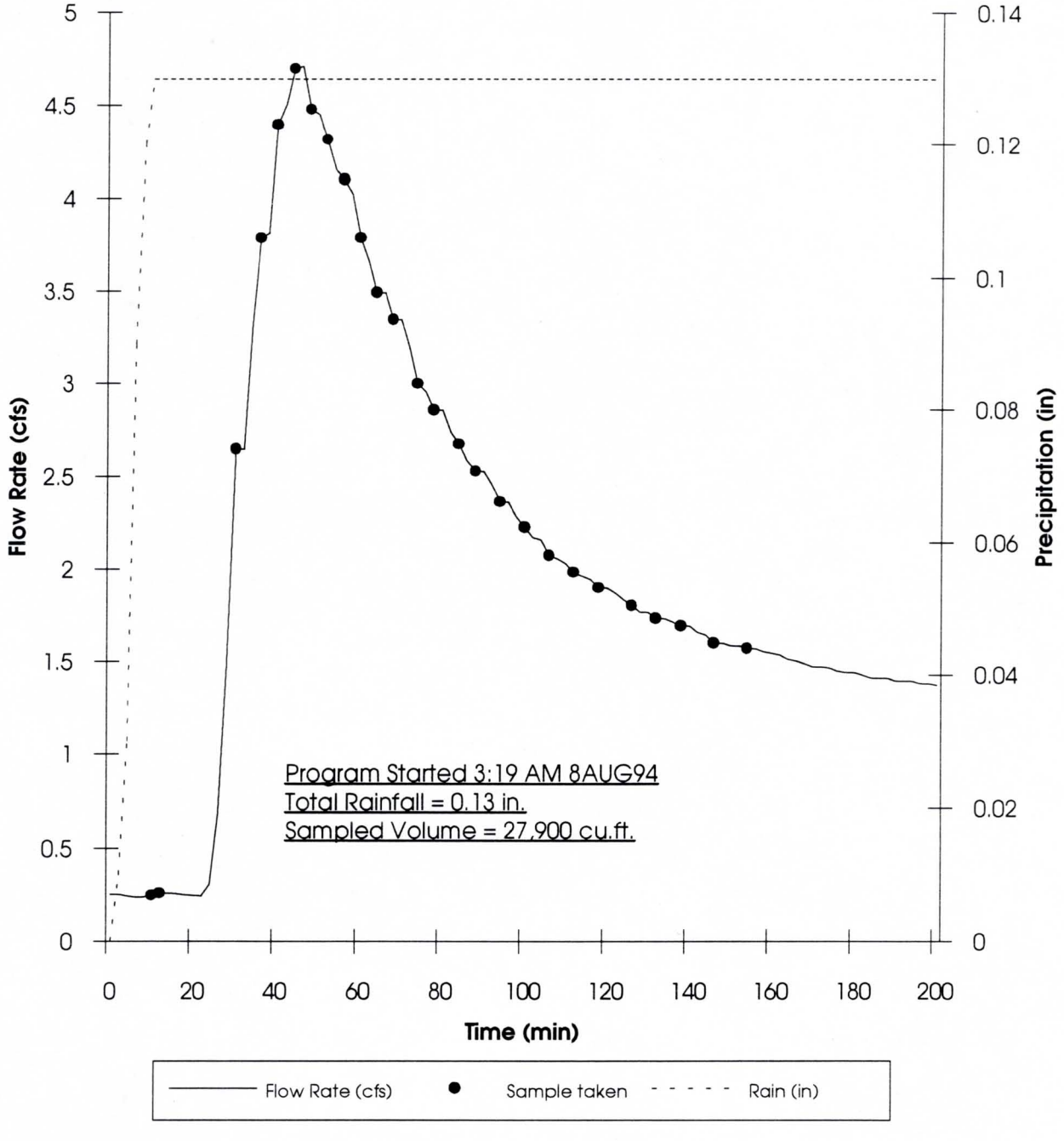
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 3:19 AM 8AUG94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
5-Aug-94	0.349	0.418	0.376	15700	0.376	15700	0
6-Aug-94	0.28	0.357	0.318	27430	0.347	43130	0
7-Aug-94	0.245	0.293	0.269	23260	0.321	66390	0
8-Aug-94	0.239	4.708	1.18	27900	0.536	94300	0.13

MESA 2: Broadway Between Gilbert and Lindsey

8/8/94 Storm Event



MESA 2: Broadway Between Gilbert and Lindsey

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 10:53 AM 15OCT94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 1:42 PM 21JAN94

			SAMPLE TAKEN			
001-01	10:54 AM	15-Oct-94 010-04	11:34 AM	15-Oct-94 019-06	12:04 PM	15-Oct-94
002-01	11:10 AM	15-Oct-94 011-04	11:38 AM	15-Oct-94 020-07	12:08 PM	15-Oct-94
003-02	11:12 AM	15-Oct-94 012-05	11:41 AM	15-Oct-94 021-07	12:12 PM	15-Oct-94
004-03	11:16 AM	15-Oct-94 013-05	11:44 AM	15-Oct-94 022-07	12:16 PM	15-Oct-94
005-03	11:19 AM	15-Oct-94 014-05	11:47 AM	15-Oct-94 023-07	12:20 PM	15-Oct-94
006-03	11:22 AM	15-Oct-94 015-05	11:50 AM	15-Oct-94 024-08	12:24 PM	15-Oct-94
007-03	11:25 AM	15-Oct-94 016-06	11:53 AM	15-Oct-94 025-08	12:28 PM	15-Oct-94
008-04	11:28 AM	15-Oct-94 017-06	11:56 AM	15-Oct-94 026-08	12:32 PM	15-Oct-94
009-04	11:31 AM	15-Oct-94 018-06	12:00 PM	15-Oct-94 027-08	12:37 PM	15-Oct-94

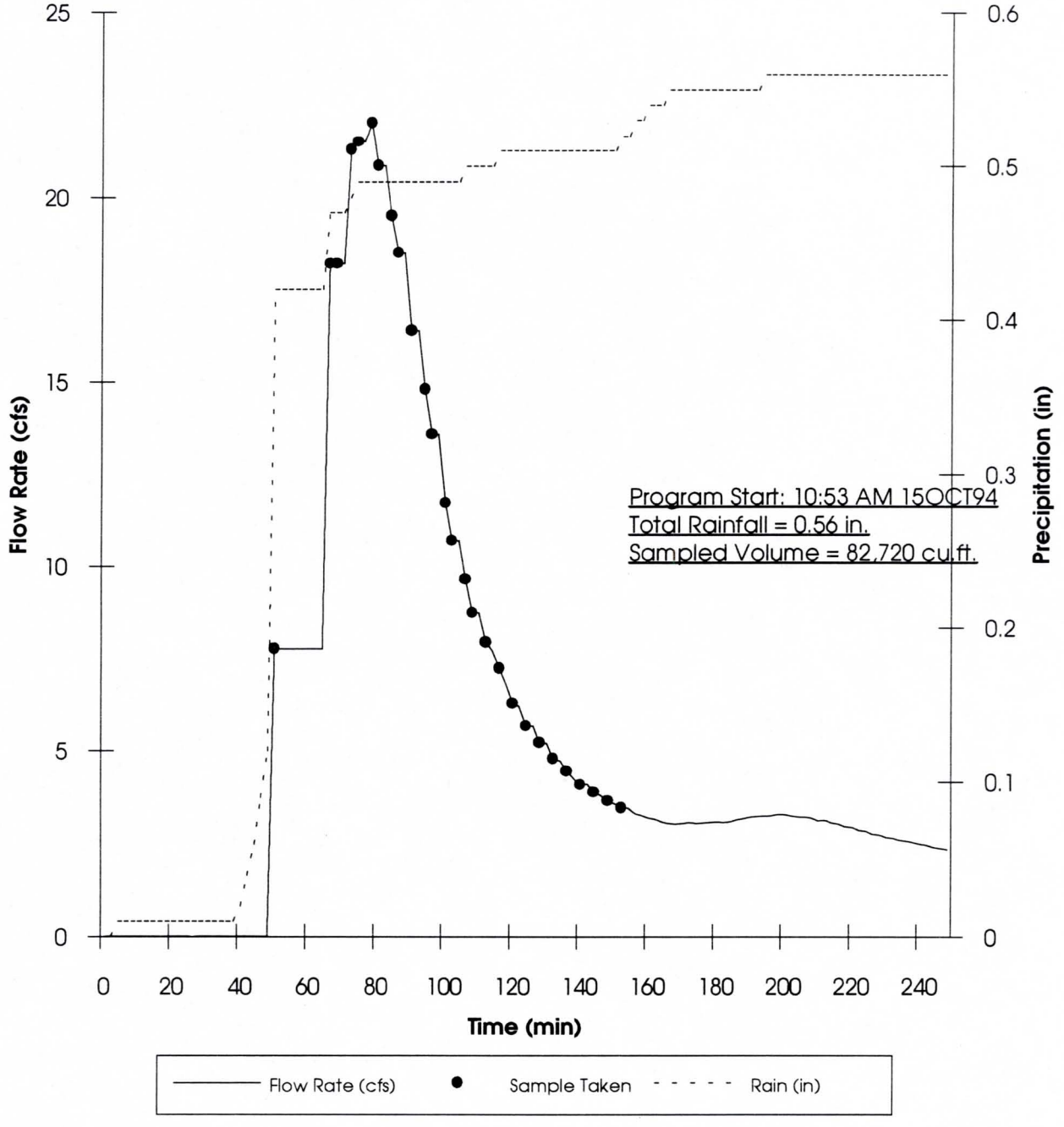
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 10:53 AM 15OCT94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
5-Oct-94	0.002	0.003	0.003	30	0.003	30	0
6-Oct-94	0	0.005	0.003	240	0.003	280	0
7-Oct-94	0	0.005	0.003	230	0.003	510	0
8-Oct-94	0	0.004	0.002	190	0.003	710	0
9-Oct-94	0	0.004	0.002	190	0.003	900	0
10-Oct-94	0	0.004	0.002	190	0.003	1090	0
11-Oct-94	0	0.004	0.002	200	0.002	1300	0
12-Oct-94	0	0.004	0.002	210	0.002	1510	0
13-Oct-94	0	0.004	0.003	210	0.002	1730	0
14-Oct-94	0.001	0.005	0.003	290	0.003	2020	0
15-Oct-94	0.003	22.014	1.613	82720	0.149	84740	0.56

MESA 2: Broadway Between Gilbert and Lindsey

10/15/94 Storm Event



MESA 2: Broadway Between Gilbert and Lindsey - 11/12/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 9:27 PM 11NOV94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:22 AM 31OCT94

			SAMPLE TAKEN			
001-01	9:28 PM	11-Nov-94 011-04	11:19 PM	11-Nov-94 020-06	1:54 AM	12-Nov-94
002-01	9:31 PM	11-Nov-94 012-04	11:35 PM	11-Nov-94 021-07	2:13 AM	12-Nov-94
003-02	9:34 PM	11-Nov-94 013-05	11:51 PM	11-Nov-94 022-07	2:32 AM	12-Nov-94
004-02	9:37 PM	11-Nov-94 014-05	12:07 AM	12-Nov-94 023-07	2:51 AM	12-Nov-94
005-03	10:06 PM	11-Nov-94 015-05	12:24 AM	12-Nov-94 024-07	3:11 AM	12-Nov-94
006-03	10:16 PM	11-Nov-94 016-05	12:41 AM	12-Nov-94 025-08	3:26 AM	12-Nov-94
007-03	10:27 PM	11-Nov-94 017-06	12:59 AM	12-Nov-94 026-08	3:38 AM	12-Nov-94
008-03	10:38 PM	11-Nov-94 018-06	1:17 AM	12-Nov-94 027-08	3:49 AM	12-Nov-94
009-04	10:49 PM	11-Nov-94 019-06	1:35 AM	12-Nov-94 028-08	3:59 AM	12-Nov-94
010-04	11:04 PM	11-Nov-94				

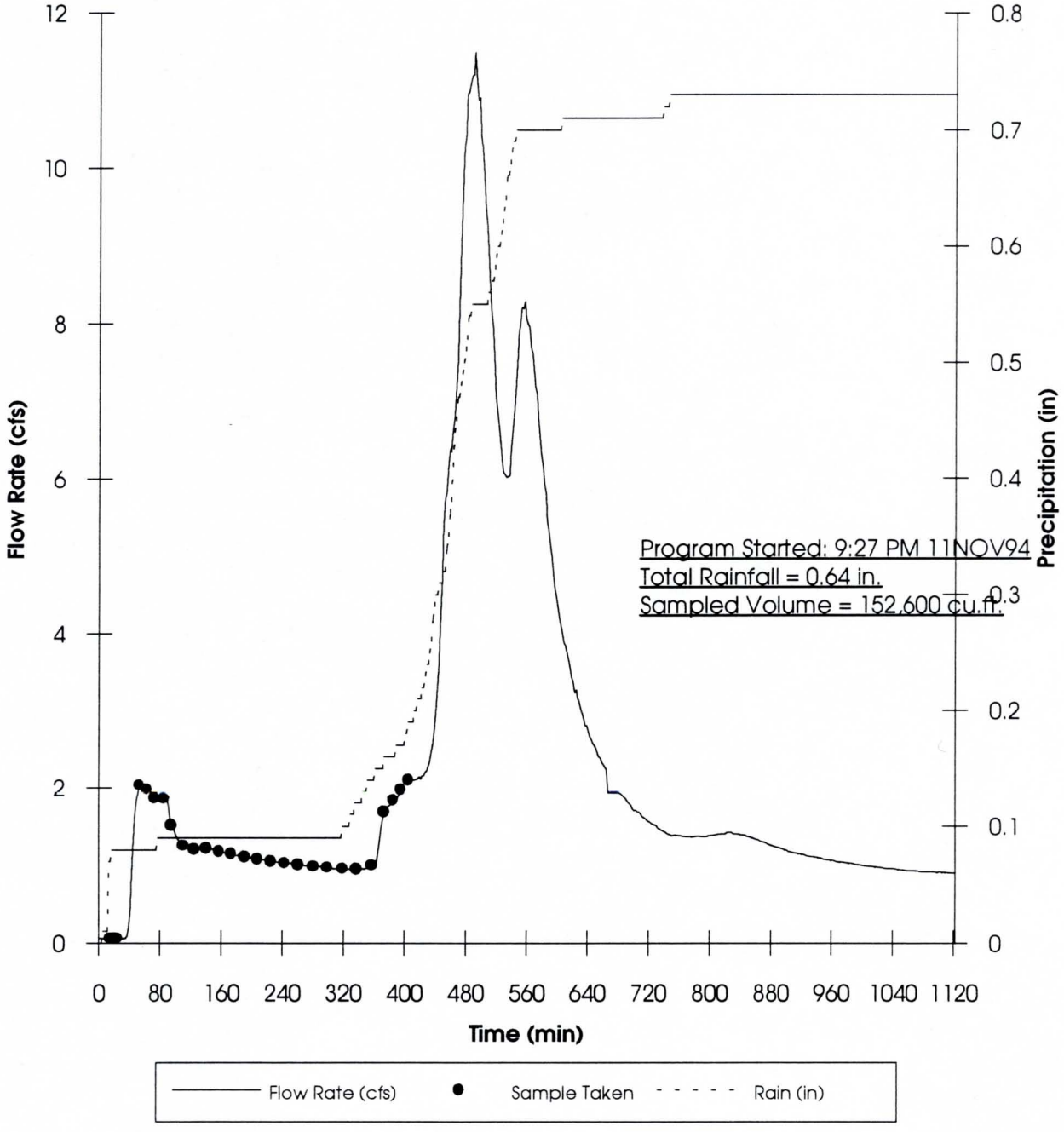
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 9:27 PM 11NOV94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
10-Nov-94	0.062	0.072	0.067	2920	0.067	2920	0
11-Nov-94	0.058	2.034	0.19	16410	0.129	19340	0.09
12-Nov-94	0.901	11.493	2.41	136180	0.889	155520	0.64

MESA 2: Broadway Between Gilbert and Lindsey

11/12/94 Storm Event



Mesa 2: Broadway between Gilbert and Lindsay

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 10:39 PM 4DEC94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:22 AM 31OCT94

	SAMPLE TAKEN						
001-01	10:40 PM	4-Dec-94	011-04	2:27 AM	5-Dec-94	020-06	4:04 AM	5-Dec-94
002-01	10:43 PM	4-Dec-94	012-04	2:41 AM	5-Dec-94	021-07	4:14 AM	5-Dec-94
003-02	10:47 PM	4-Dec-94	013-05	2:55 AM	5-Dec-94	022-07	4:24 AM	5-Dec-94
004-02	10:50 PM	4-Dec-94	014-05	3:08 AM	5-Dec-94	023-07	4:34 AM	5-Dec-94
005-03	1:06 AM	5-Dec-94	015-05	3:18 AM	5-Dec-94	024-07	4:44 AM	5-Dec-94
006-03	1:20 AM	5-Dec-94	016-05	3:27 AM	5-Dec-94	025-08	4:55 AM	5-Dec-94
007-03	1:33 AM	5-Dec-94	017-06	3:36 AM	5-Dec-94	026-08	5:07 AM	5-Dec-94
008-03	1:46 AM	5-Dec-94	018-06	3:45 AM	5-Dec-94	027-08	5:21 AM	5-Dec-94
009-04	1:59 AM	5-Dec-94	019-06	3:54 AM	5-Dec-94	028-08	5:36 AM	5-Dec-94
010-04	2:13 AM	5-Dec-94						

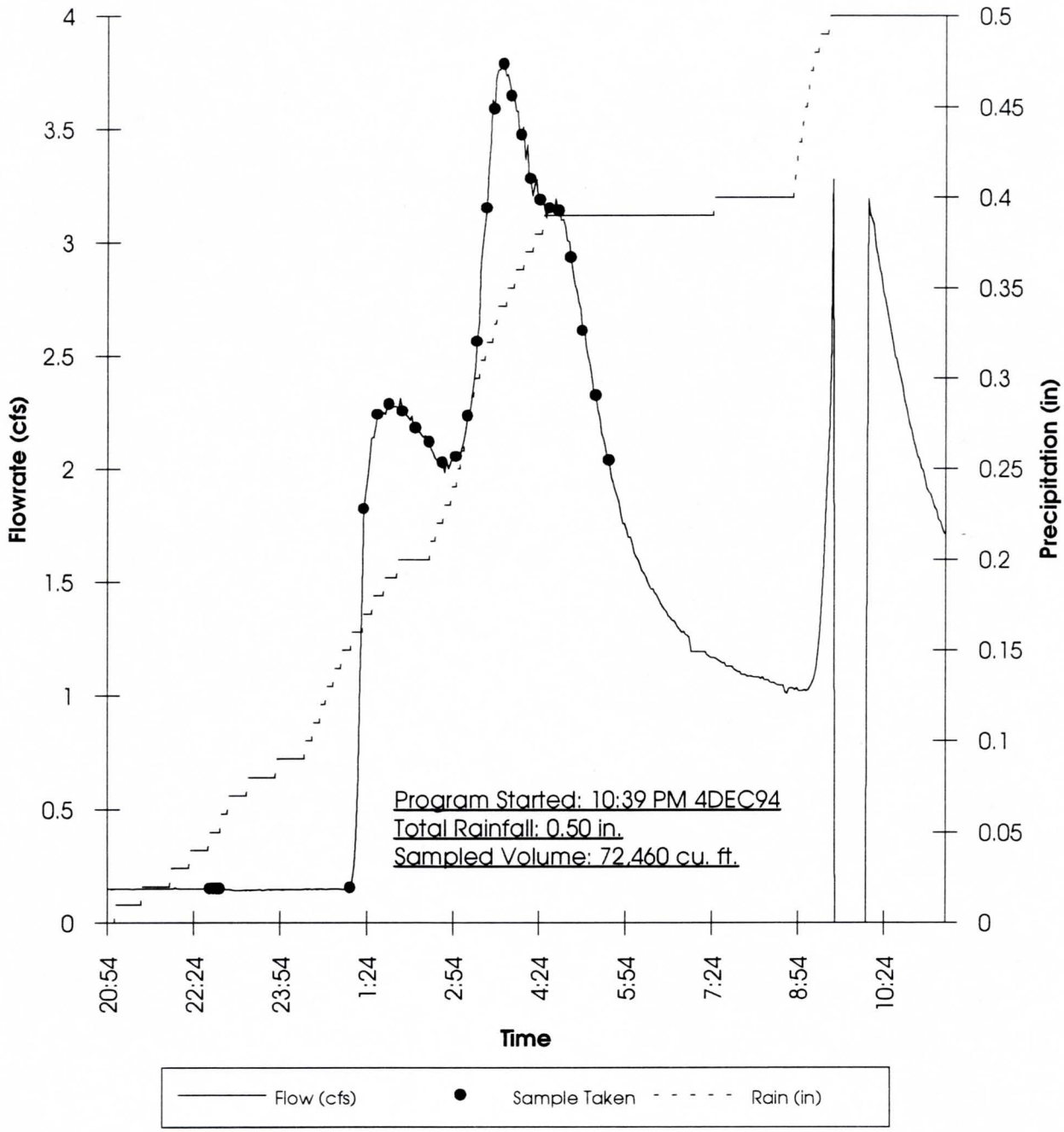
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 10:39 PM 4DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
1-Dec-94	0.179	0.234	0.207	17880	0.3	219620	0
2-Dec-94	0.164	0.213	0.192	16570	0.289	236190	0
3-Dec-94	0.156	0.2	0.178	15350	0.279	251540	0
4-Dec-94	0.141	0.179	0.16	13820	0.269	265360	0.09
5-Dec-94	0	3.787	1.756	72460	0.383	337820	0.41

Mesa 2: Broadway between Gilbert and Lindsay

12/5/94 Storm Event



Mesa 2: Broadway between Gilbert and Lindsay - 12/23/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 1:43 AM 23DEC94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:22 AM 31OCT94

	SAMPLE TAKEN					
001-01	1:44 AM	23-Dec-94 011-04	3:11 AM	23-Dec-94 020-06	4:21 AM	23-Dec-94
002-01	1:47 AM	23-Dec-94 012-04	3:18 AM	23-Dec-94 021-07	4:31 AM	23-Dec-94
003-02	1:50 AM	23-Dec-94 013-05	3:25 AM	23-Dec-94 022-07	4:43 AM	23-Dec-94
004-02	1:53 AM	23-Dec-94 014-05	3:32 AM	23-Dec-94 023-07	4:55 AM	23-Dec-94
005-03	2:28 AM	23-Dec-94 015-05	3:39 AM	23-Dec-94 024-07	5:07 AM	23-Dec-94
006-03	2:36 AM	23-Dec-94 016-05	3:46 AM	23-Dec-94 025-08	5:24 AM	23-Dec-94
007-03	2:43 AM	23-Dec-94 017-06	3:54 AM	23-Dec-94 026-08	5:40 AM	23-Dec-94
008-03	2:50 AM	23-Dec-94 018-06	4:02 AM	23-Dec-94 027-08	5:56 AM	23-Dec-94
009-04	2:57 AM	23-Dec-94 019-06	4:11 AM	23-Dec-94 028-08	6:10 AM	23-Dec-94
010-04	3:04 AM	23-Dec-94				

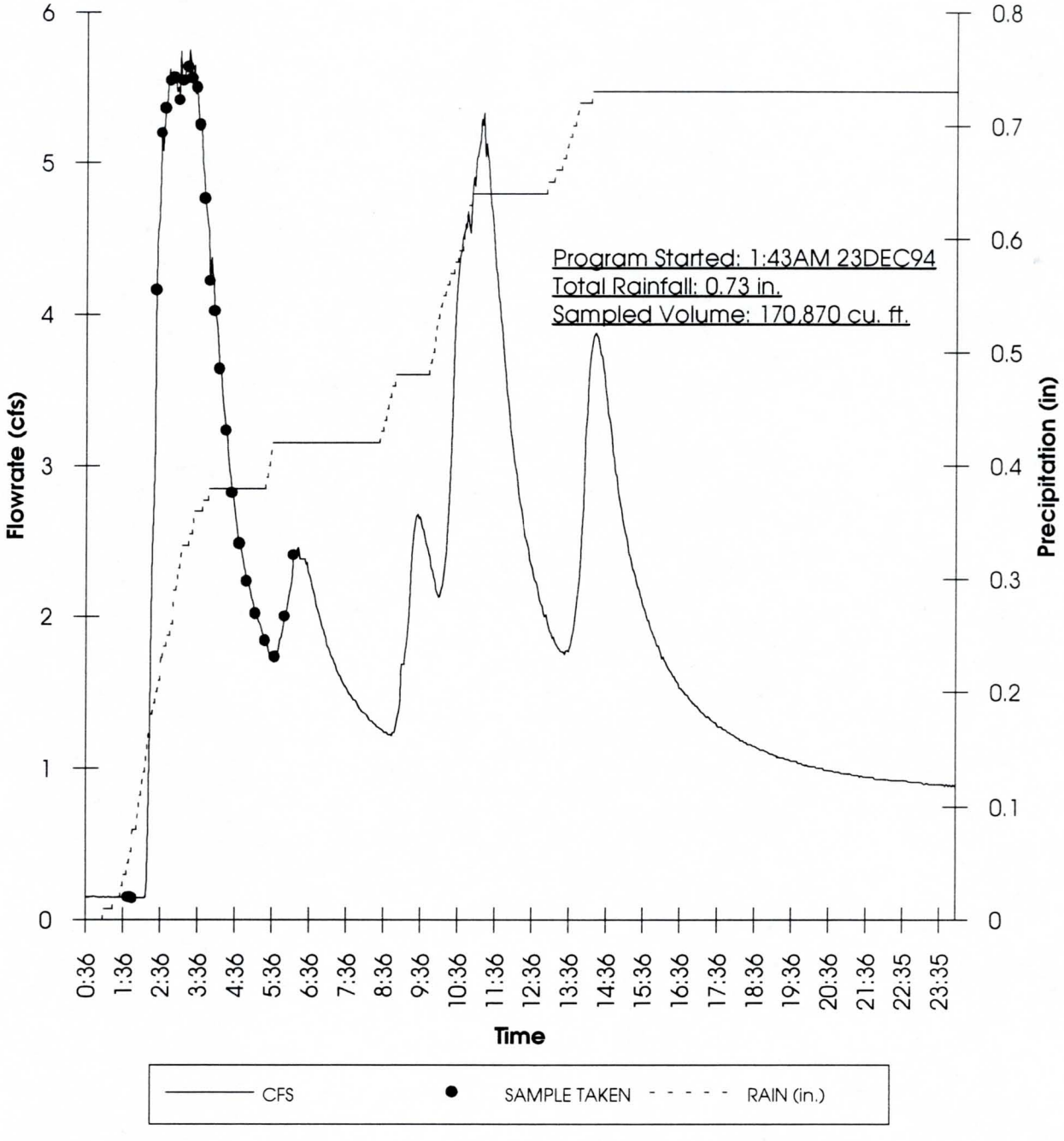
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 1:43 AM 23DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
22-Dec-94	0.143	0.154	0.147	5570	0.147	5570	0
23-Dec-94	0.143	5.754	1.996	170870	1.071	176440	0.73
24-Dec-94	0.769	0.89	0.816	70510	0.986	246950	0
25-Dec-94	0.79	16.278	2.843	245600	1.45	492560	0.99
26-Dec-94	0.858	9.671	2.179	188290	1.596	680800	0.35
27-Dec-94	0.78	0.863	0.817	70600	1.466	751400	0
28-Dec-94	0.799	0.821	0.811	24930	1.373	776320	0

Mesa 2: Broadway between Gilbert and Lindsay

12/23/94 Storm Event



Mesa 2: Broadway between Gilbert and Lindsay: 1/4/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 4:05 AM 4JAN95
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:22 AM 31OCT94

	SAMPLE TAKEN					
001-01	4:06 AM	4-Jan-95 011-04	6:41 AM	4-Jan-95 020-06	10:09 AM	4-Jan-95
002-01	4:09 AM	4-Jan-95 012-04	7:01 AM	4-Jan-95 021-07	10:33 AM	4-Jan-95
003-02	4:12 AM	4-Jan-95 013-05	7:34 AM	4-Jan-95 022-07	10:58 AM	4-Jan-95
004-02	4:15 AM	4-Jan-95 014-05	7:55 AM	4-Jan-95 023-07	11:23 AM	4-Jan-95
005-03	4:54 AM	4-Jan-95 015-05	8:15 AM	4-Jan-95 024-07	11:46 AM	4-Jan-95
006-03	5:12 AM	4-Jan-95 016-05	8:36 AM	4-Jan-95 025-08	12:07 PM	4-Jan-95
007-03	5:29 AM	4-Jan-95 017-06	8:58 AM	4-Jan-95 026-08	12:26 PM	4-Jan-95
008-03	5:46 AM	4-Jan-95 018-06	9:21 AM	4-Jan-95 027-08	12:43 PM	4-Jan-95
009-04	6:03 AM	4-Jan-95 019-06	9:45 AM	4-Jan-95 028-08	1:04 PM	4-Jan-95
010-04	6:22 AM	4-Jan-95				

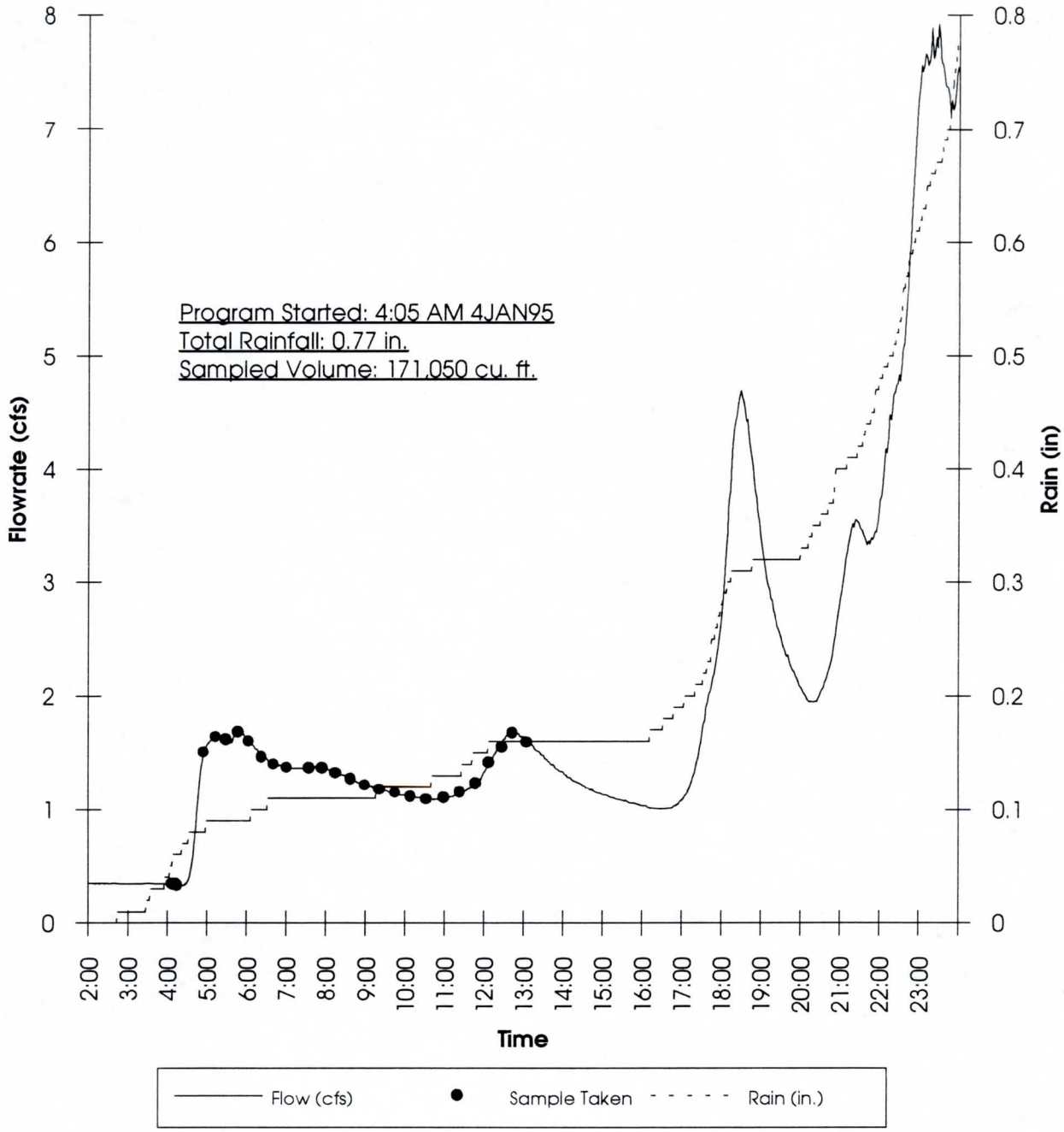
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 4:05 AM 4JAN95

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rainfall
3-Jan-95	0.342	0.37	0.351	15850	0.351	15850	0
4-Jan-95	0.329	7.919	1.825	155200	1.088	171050	0.77
5-Jan-95	0.874	35.123	4.359	376640	2.179	547680	0.66
6-Jan-95	0.852	0.881	0.867	24330	1.851	572000	0

Mesa 2: Broadway between Gilbert and Lindsay

1/4/95 Storm Event



Mesa 2: Broadway between Gilbert and Lindsay - 1/25/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0002
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=58 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 1:22 PM 25JAN95
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 2000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=072.00 IN., ROUGHNESS=.013, SLOPE=0.11/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:22 AM 31OCT94

	SAMPLE TAKEN					
001-01	1:23 PM	25-Jan-95	011-04	4:12 PM	25-Jan-95	020-06	9:07 PM	25-Jan-95
002-01	1:26 PM	25-Jan-95	012-04	4:39 PM	25-Jan-95	021-07	9:40 PM	25-Jan-95
003-02	1:29 PM	25-Jan-95	013-05	5:09 PM	25-Jan-95	022-07	10:09 PM	25-Jan-95
004-02	1:32 PM	25-Jan-95	014-05	5:40 PM	25-Jan-95	023-07	10:34 PM	25-Jan-95
005-03	2:11 PM	25-Jan-95	015-05	6:14 PM	25-Jan-95	024-07	10:58 PM	25-Jan-95
006-03	2:28 PM	25-Jan-95	016-05	6:49 PM	25-Jan-95	025-08	11:23 PM	25-Jan-95
007-03	2:43 PM	25-Jan-95	017-06	7:25 PM	25-Jan-95	026-08	11:50 PM	25-Jan-95
008-03	3:07 PM	25-Jan-95	018-06	8:00 PM	25-Jan-95	027-08	12:18 AM	26-Jan-95
009-04	3:26 PM	25-Jan-95	019-06	8:33 PM	25-Jan-95	028-08	12:47 AM	26-Jan-95
010-04	3:47 PM	25-Jan-95						

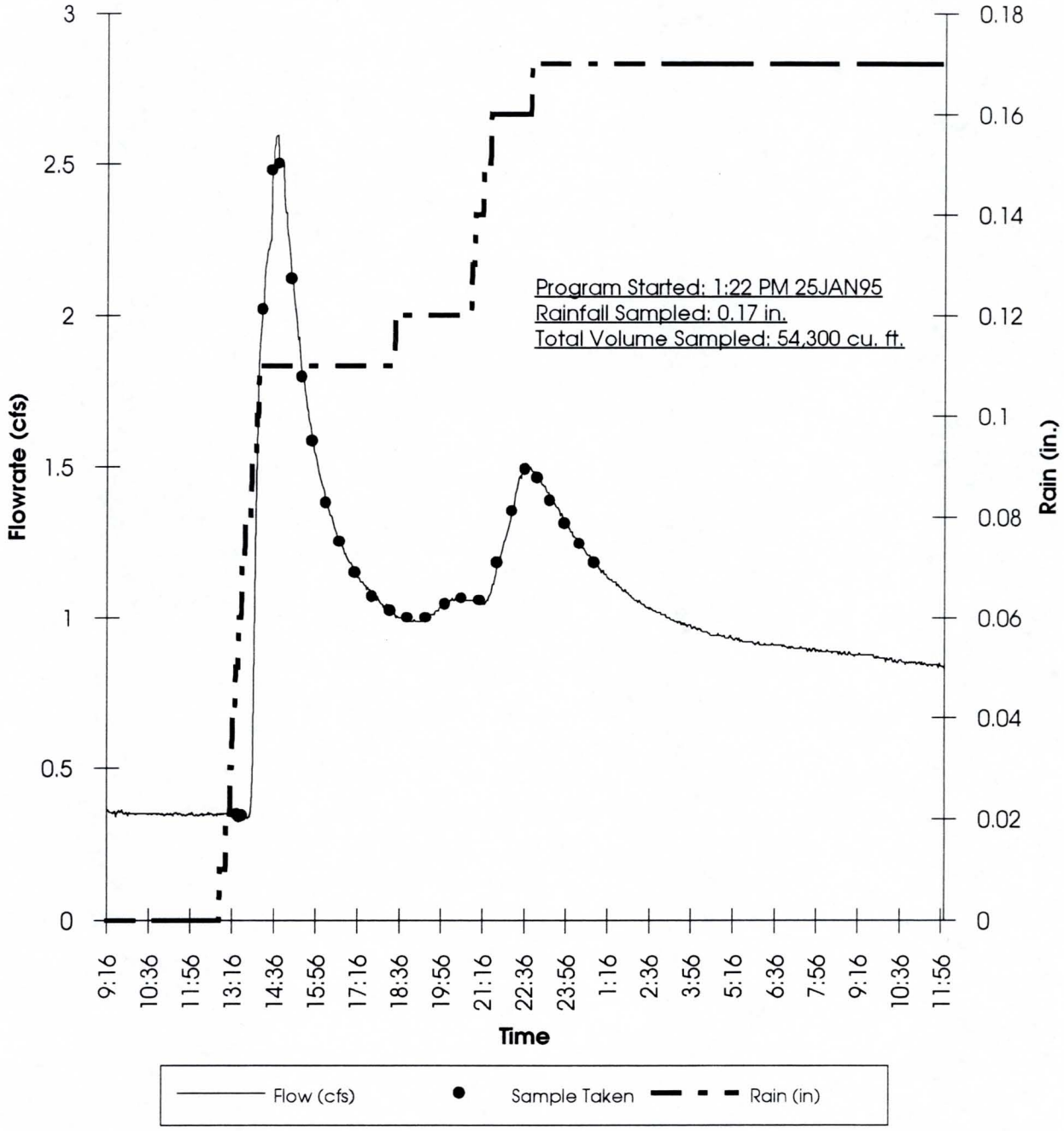
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 1:22 PM 25JAN95

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain
25-Jan-95	0.33	2.598	1.032	54300	1.032	54300	0.17
26-Jan-95	0.79	1.297	0.884	76150	0.958	130450	0
27-Jan-95	0	138.65	0.675	34800	0.864	165240	0

Mesa 2: Broadway between Gilbert and Lindsay

1/25/95 Storm Event



MESA 3

MESA_3: Falcon Field 5/24/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 1:50 AM 25MAY94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 4880 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:49 AM 6MAY94

				SAMPLE TAKEN							
001-01	1:50	AM	25-May-94	010-04	2:09	AM	25-May-94	019-07	2:27	AM	25-May-94
002-02	1:53	AM	25-May-94	011-05	2:11	AM	25-May-94	020-07	2:29	AM	25-May-94
003-03	1:55	AM	25-May-94	012-05	2:13	AM	25-May-94	021-07	2:31	AM	25-May-94
004-03	1:57	AM	25-May-94	013-05	2:15	AM	25-May-94	022-07	2:33	AM	25-May-94
005-03	1:59	AM	25-May-94	014-05	2:17	AM	25-May-94	023-08	2:35	AM	25-May-94
006-03	2:01	AM	25-May-94	015-06	2:19	AM	25-May-94	024-08	2:37	AM	25-May-94
007-04	2:03	AM	25-May-94	016-06	2:21	AM	25-May-94	025-08	2:39	AM	25-May-94
008-04	2:05	AM	25-May-94	017-06	2:23	AM	25-May-94	026-08	2:41	AM	25-May-94
009-04	2:07	AM	25-May-94	018-06	2:25	AM	25-May-94				

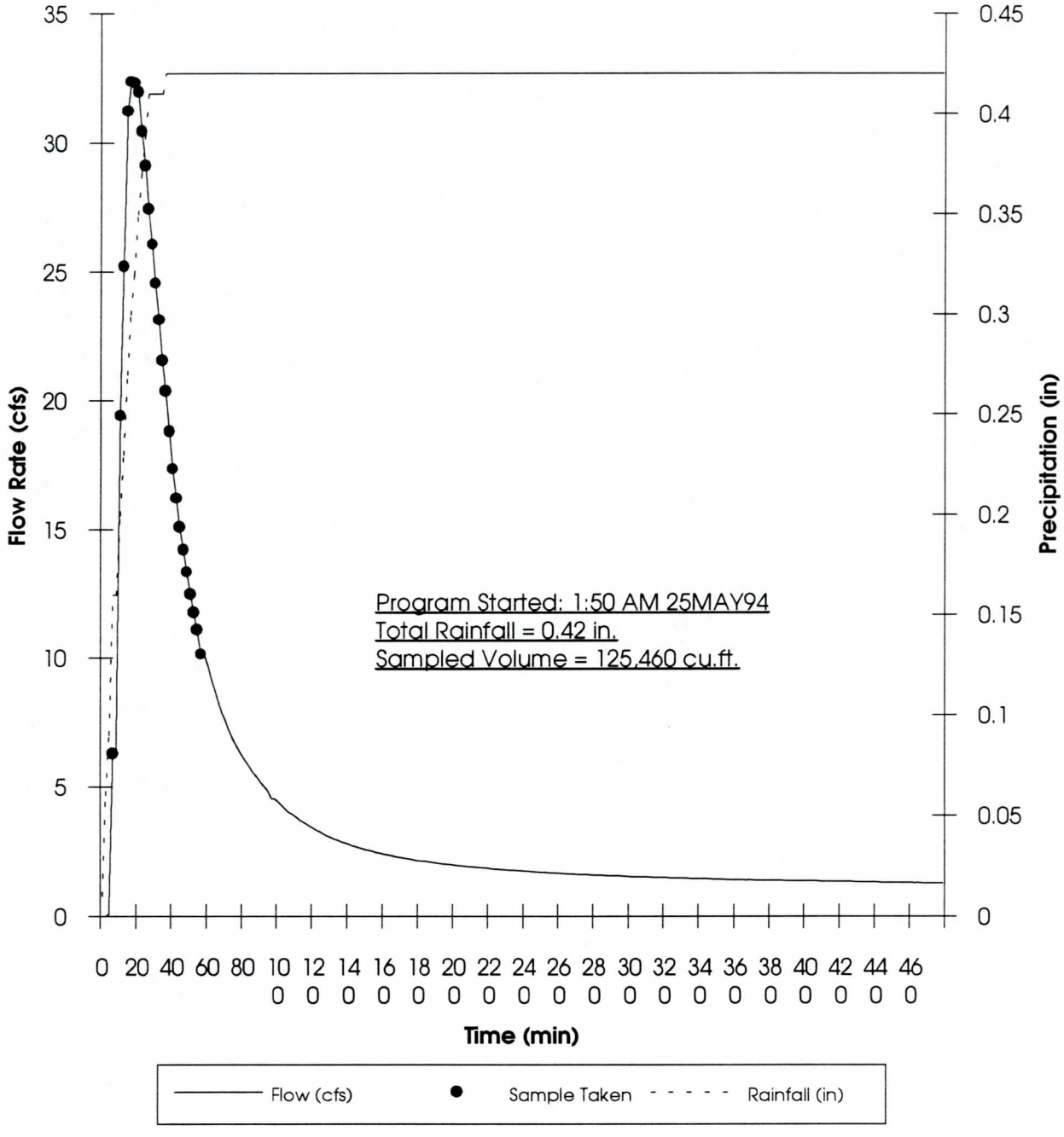
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 1:50 AM 25MAY94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
24-May-94	0	0	0	0	0	0	0
25-May-94	0	32.359	3.319	125460	1.66	125460	0.42

MESA 3: Falcon Field

5/24/94 Storm Event



MESA 3: Falcon Field - 7/17/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 7:04 PM 17JUL94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:49 AM 6MAY94

	SAMPLE TAKEN					
001-01	7:05 PM	17-Jul-94	010-04	7:25 PM	17-Jul-94	019-07	7:45 PM	17-Jul-94
002-02	7:07 PM	17-Jul-94	011-05	7:27 PM	17-Jul-94	020-07	7:48 PM	17-Jul-94
003-03	7:10 PM	17-Jul-94	012-05	7:29 PM	17-Jul-94	021-07	7:51 PM	17-Jul-94
004-03	7:13 PM	17-Jul-94	013-05	7:31 PM	17-Jul-94	022-07	7:54 PM	17-Jul-94
005-03	7:15 PM	17-Jul-94	014-05	7:33 PM	17-Jul-94	023-08	7:57 PM	17-Jul-94
006-03	7:17 PM	17-Jul-94	015-06	7:35 PM	17-Jul-94	024-08	8:00 PM	17-Jul-94
007-04	7:19 PM	17-Jul-94	016-06	7:37 PM	17-Jul-94	025-08	8:05 PM	17-Jul-94
008-04	7:21 PM	17-Jul-94	017-06	7:40 PM	17-Jul-94	026-08	8:08 PM	17-Jul-94
009-04	7:23 PM	17-Jul-94	018-06	7:42 PM	17-Jul-94			

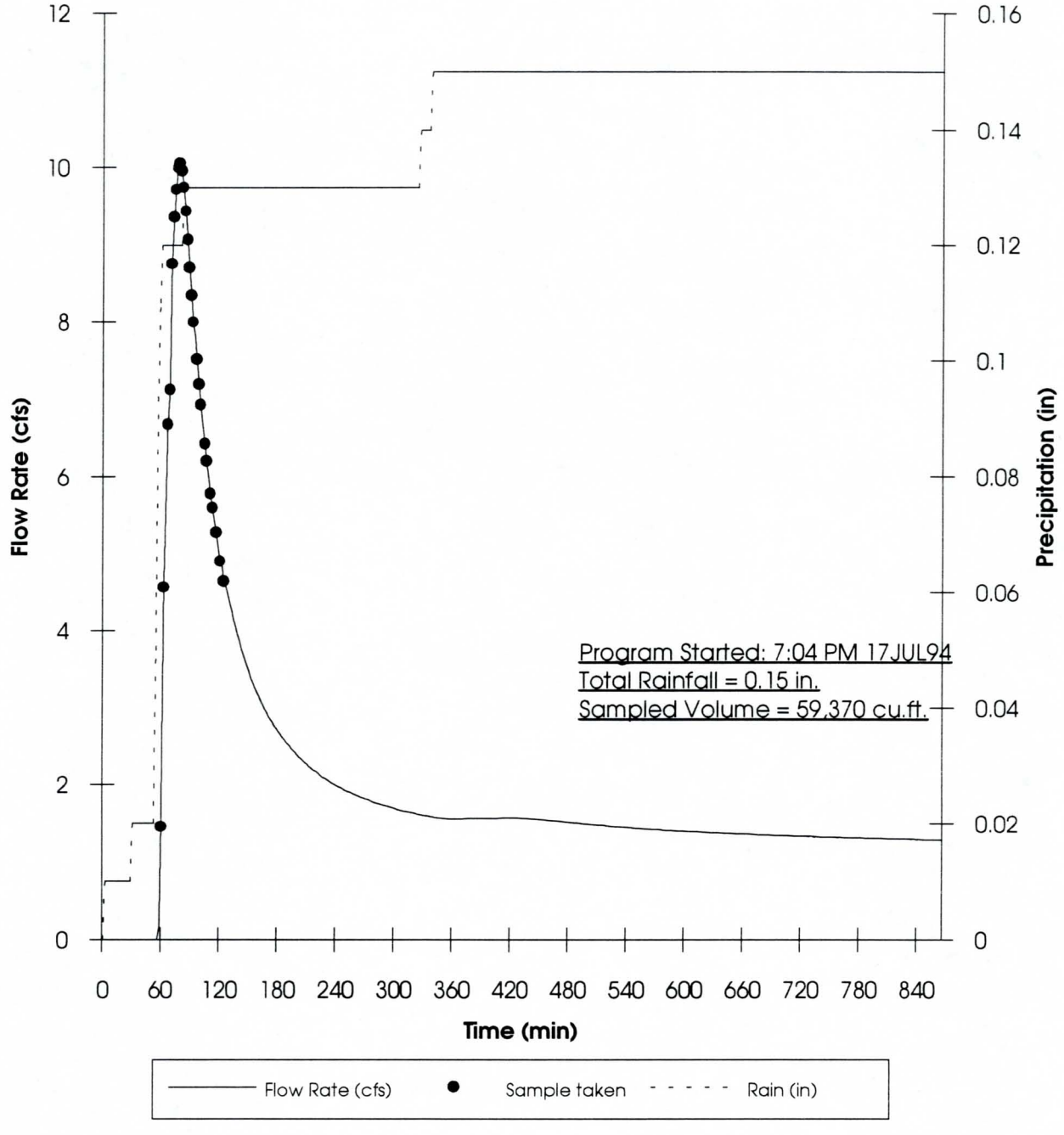
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 7:04 PM 17JUL94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
15-Jul-94	0.001	0.002	0.002	70	0.002	70	0
16-Jul-94	0.001	0.002	0.002	130	0.002	200	0
17-Jul-94	0.001	10.046	0.687	59370	0.23	59580	0.15
18-Jul-94	1.274	1.572	1.401	48410	0.523	107990	0

MESA 3: Falcon Field

7/17/94 Storm Event



MESA 3: Falcon Field - 8/8/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 5:31 AM 8AUG94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:49 AM 6MAY94

	SAMPLE TAKEN					
001-01	5:32 AM	8-Aug-94	010-04	5:55 AM	8-Aug-94	019-07	6:16 AM	8-Aug-94
002-02	5:34 AM	8-Aug-94	011-05	5:57 AM	8-Aug-94	020-07	6:19 AM	8-Aug-94
003-03	5:38 AM	8-Aug-94	012-05	5:59 AM	8-Aug-94	021-07	6:22 AM	8-Aug-94
004-03	5:41 AM	8-Aug-94	013-05	6:01 AM	8-Aug-94	022-07	6:25 AM	8-Aug-94
005-03	5:44 AM	8-Aug-94	014-05	6:03 AM	8-Aug-94	023-08	6:28 AM	8-Aug-94
006-03	5:47 AM	8-Aug-94	015-06	6:05 AM	8-Aug-94	024-08	6:31 AM	8-Aug-94
007-04	5:49 AM	8-Aug-94	016-06	6:07 AM	8-Aug-94	025-08	6:34 AM	8-Aug-94
008-04	5:51 AM	8-Aug-94	017-06	6:10 AM	8-Aug-94	026-08	6:37 AM	8-Aug-94
009-04	5:53 AM	8-Aug-94	018-06	6:13 AM	8-Aug-94			

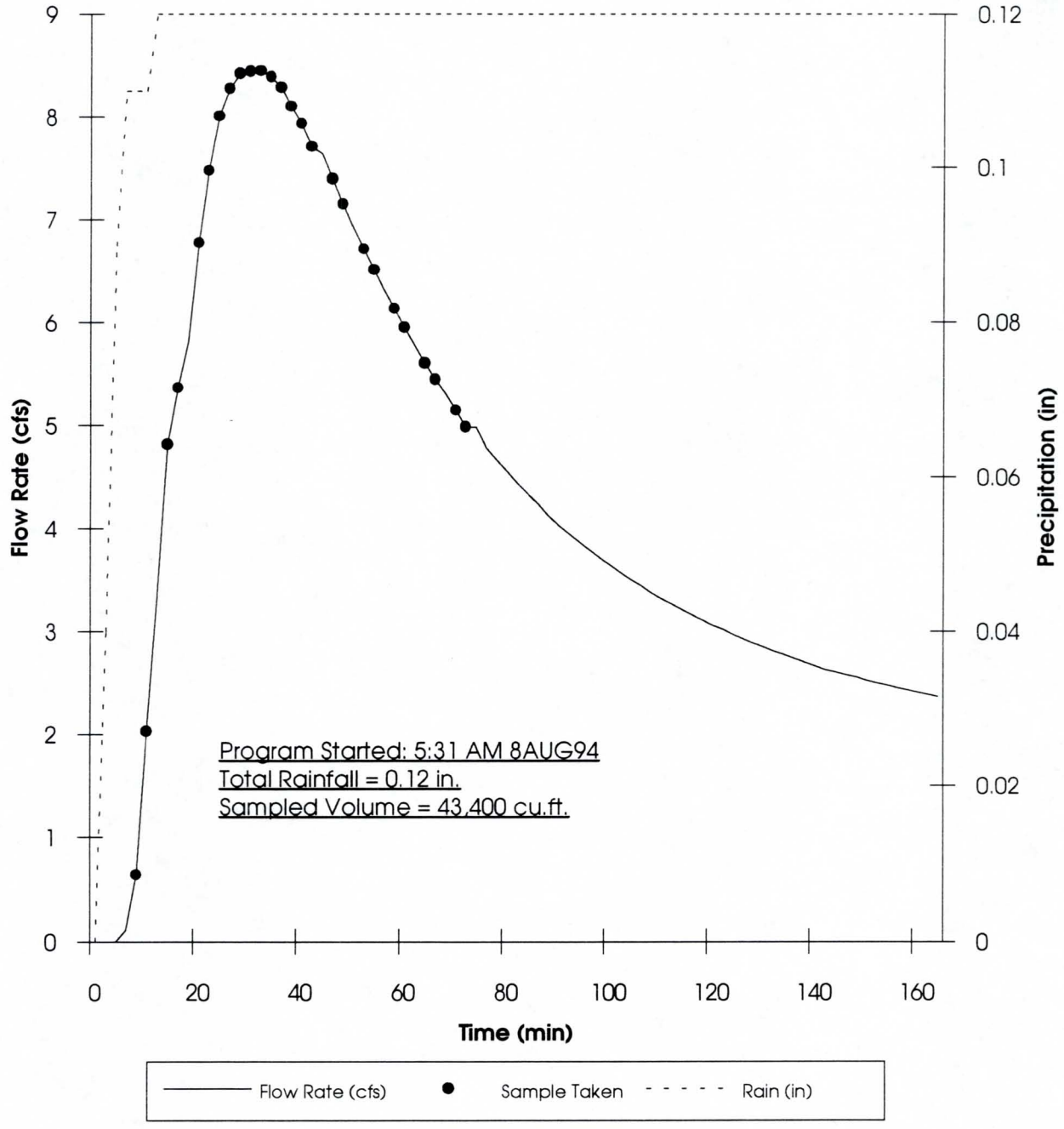
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 5:31 AM 8AUG94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
5-Aug-94	0.097	0.182	0.144	4820	0.144	4820	0
6-Aug-94	0.003	0.096	0.038	3290	0.091	8120	0
7-Aug-94	0	0.003	0	30	0.061	8150	0
8-Aug-94	0	8.446	1.47	43400	0.413	51560	0.12

MESA 3: Falcon Field

8/8/94 Storm Event



MESA 3: Falcon Field - 9/2/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 9:06 PM 2SEP94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:49 AM 6MAY94

	SAMPLE TAKEN					
001-01	9:07 PM	2-Sep-94 011-04	9:25 PM	2-Sep-94 020-06	9:43 PM	2-Sep-94
002-01	9:09 PM	2-Sep-94 012-04	9:27 PM	2-Sep-94 021-07	9:45 PM	2-Sep-94
003-02	9:10 PM	2-Sep-94 013-05	9:29 PM	2-Sep-94 022-07	9:47 PM	2-Sep-94
004-02	9:11 PM	2-Sep-94 014-05	9:31 PM	2-Sep-94 023-07	9:49 PM	2-Sep-94
005-03	9:14 PM	2-Sep-94 015-05	9:33 PM	2-Sep-94 024-07	9:51 PM	2-Sep-94
006-03	9:15 PM	2-Sep-94 016-05	9:35 PM	2-Sep-94 025-08	9:53 PM	2-Sep-94
007-03	9:17 PM	2-Sep-94 017-06	9:37 PM	2-Sep-94 026-08	9:55 PM	2-Sep-94
008-03	9:19 PM	2-Sep-94 018-06	9:39 PM	2-Sep-94 027-08	9:57 PM	2-Sep-94
009-04	9:21 PM	2-Sep-94 019-06	9:41 PM	2-Sep-94 028-08	9:59 PM	2-Sep-94
010-04	9:23 PM	2-Sep-94				

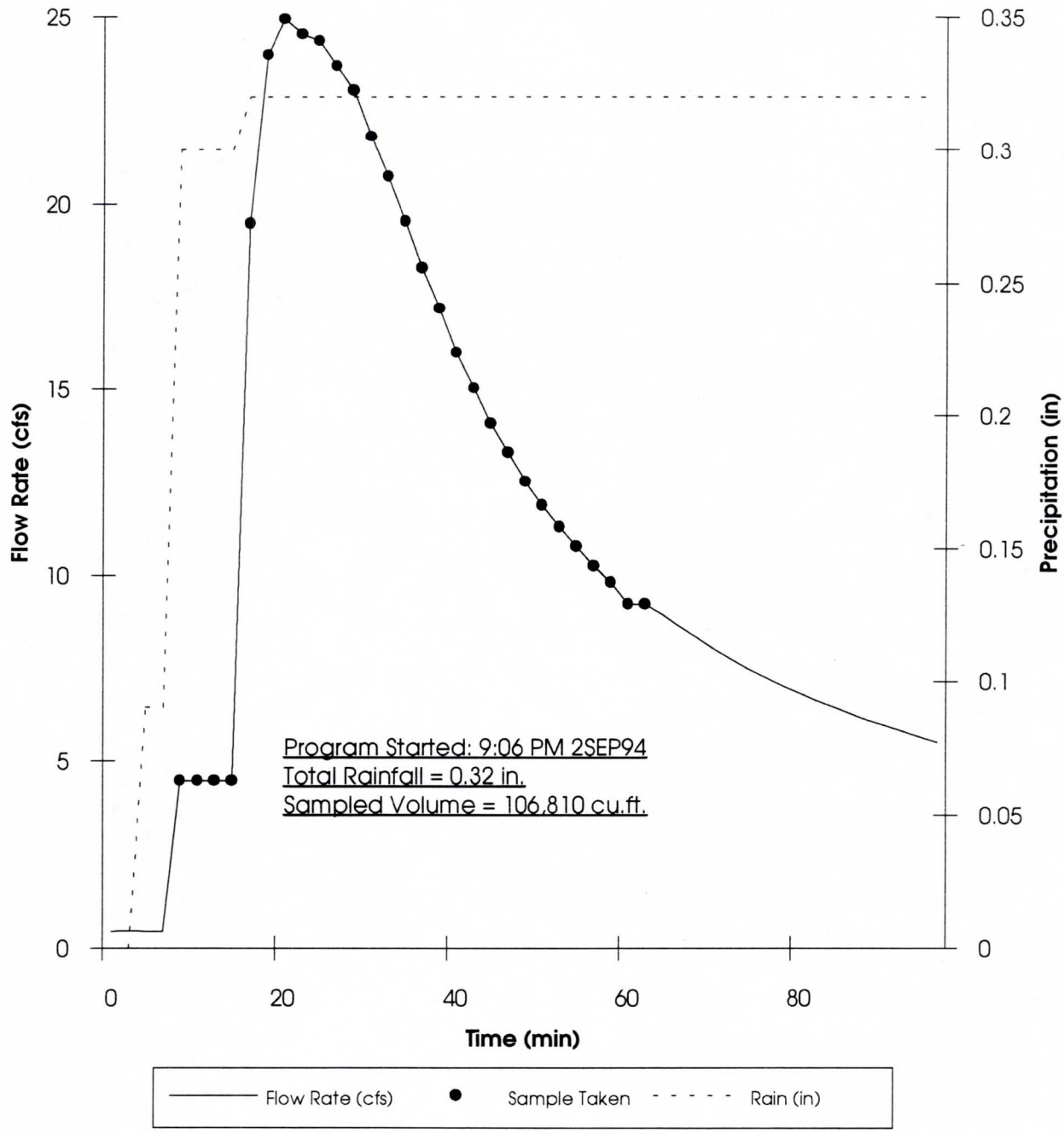
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 9:06 PM 2SEP94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
26-Aug-94	0.444	0.508	0.48	12590	0.48	12590	0
27-Aug-94	0.438	1.17	0.995	85930	0.737	98520	0.03
28-Aug-94	0.736	0.869	0.801	69210	0.759	167740	0
29-Aug-94	0.63	0.737	0.691	59680	0.742	227420	0
30-Aug-94	0.603	0.83	0.73	63050	0.739	290480	0
31-Aug-94	0.677	0.833	0.753	65030	0.741	355500	0
1-Sep-94	0.57	0.681	0.637	55030	0.727	410520	0
2-Sep-94	0.418	24.955	1.301	106810	0.798	517340	0.32

MESA 3: Falcon Field

9/2/94 Storm Event



MESA 3: Falcon Field - 10/15/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM NOT STARTED
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 800CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:11:49 AM 6MAY94

			SAMPLE TAKEN			
001-01	12:14 PM	15-Oct-94 011-04	12:37 PM	15-Oct-94 020-06	12:55 PM	15-Oct-94
002-01	12:16 PM	15-Oct-94 012-04	12:39 PM	15-Oct-94 021-07	12:57 PM	15-Oct-94
003-02	12:18 PM	15-Oct-94 013-05	12:41 PM	15-Oct-94 022-07	12:59 PM	15-Oct-94
004-02	12:20 PM	15-Oct-94 014-05	12:43 PM	15-Oct-94 023-07	1:01 PM	15-Oct-94
005-03	12:21 PM	15-Oct-94 015-05	12:45 PM	15-Oct-94 024-07	1:03 PM	15-Oct-94
006-03	12:24 PM	15-Oct-94 016-05	12:47 PM	15-Oct-94 025-08	1:05 PM	15-Oct-94
007-03	12:27 PM	15-Oct-94 017-06	12:49 PM	15-Oct-94 026-08	1:07 PM	15-Oct-94
008-03	12:30 PM	15-Oct-94 018-06	12:51 PM	15-Oct-94 027-08	1:09 PM	15-Oct-94
009-04	12:33 PM	15-Oct-94 019-06	12:53 PM	15-Oct-94 028-08	1:11 PM	15-Oct-94
010-04	12:35 PM	15-Oct-94				

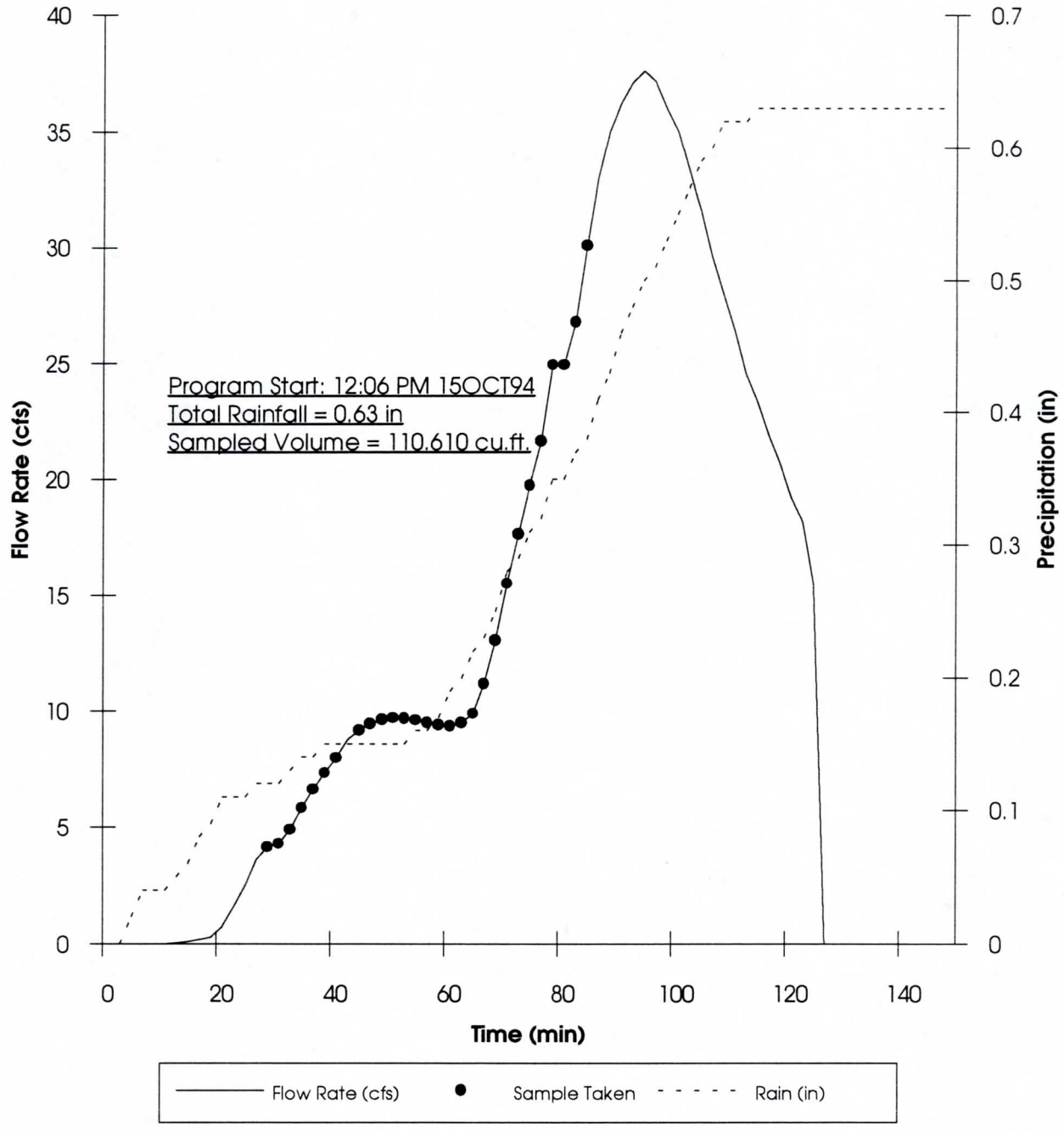
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 12:06 15OCT94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
5-Oct-94	0	0.001	0	0	0	0	0
6-Oct-94	0	0.002	0.001	60	0.001	70	0
7-Oct-94	0	0.002	0.001	70	0.001	140	0
8-Oct-94	0.001	0.003	0.002	180	0.001	330	0
9-Oct-94	0	0.003	0.001	80	0.001	420	0
10-Oct-94	0	0.003	0.002	160	0.001	580	0
11-Oct-94	0.001	0.003	0.002	150	0.001	730	0
12-Oct-94	0	0.002	0.001	90	0.001	830	0
13-Oct-94	0	0.002	0.001	100	0.001	930	0
14-Oct-94	0	0.002	0.001	70	0.001	1010	0
15-Oct-94	0	37.615	2.195	110610	0.201	111620	0.63

MESA 3: Falcon Field

10/15/94 Storm Event



MESA 3: Falcon Field - 11/12/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 5:09 AM 12NOV94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:44 AM 31OCT94

	SAMPLE TAKEN					
001-01	5:10 AM	12-Nov-94 011-04	5:55 AM	12-Nov-94 020-06	6:33 AM	12-Nov-94
002-01	5:12 AM	12-Nov-94 012-04	6:00 AM	12-Nov-94 021-07	6:37 AM	12-Nov-94
003-02	5:14 AM	12-Nov-94 013-05	6:05 AM	12-Nov-94 022-07	6:40 AM	12-Nov-94
004-02	5:16 AM	12-Nov-94 014-05	6:09 AM	12-Nov-94 023-07	6:43 AM	12-Nov-94
005-03	5:22 AM	12-Nov-94 015-05	6:13 AM	12-Nov-94 024-07	6:46 AM	12-Nov-94
006-03	5:29 AM	12-Nov-94 016-05	6:17 AM	12-Nov-94 025-08	6:49 AM	12-Nov-94
007-03	5:35 AM	12-Nov-94 017-06	6:21 AM	12-Nov-94 026-08	6:52 AM	12-Nov-94
008-03	5:40 AM	12-Nov-94 018-06	6:25 AM	12-Nov-94 027-08	6:55 AM	12-Nov-94
009-04	5:45 AM	12-Nov-94 019-06	6:29 AM	12-Nov-94 028-08	6:58 AM	12-Nov-94
010-04	5:50 AM	12-Nov-94				

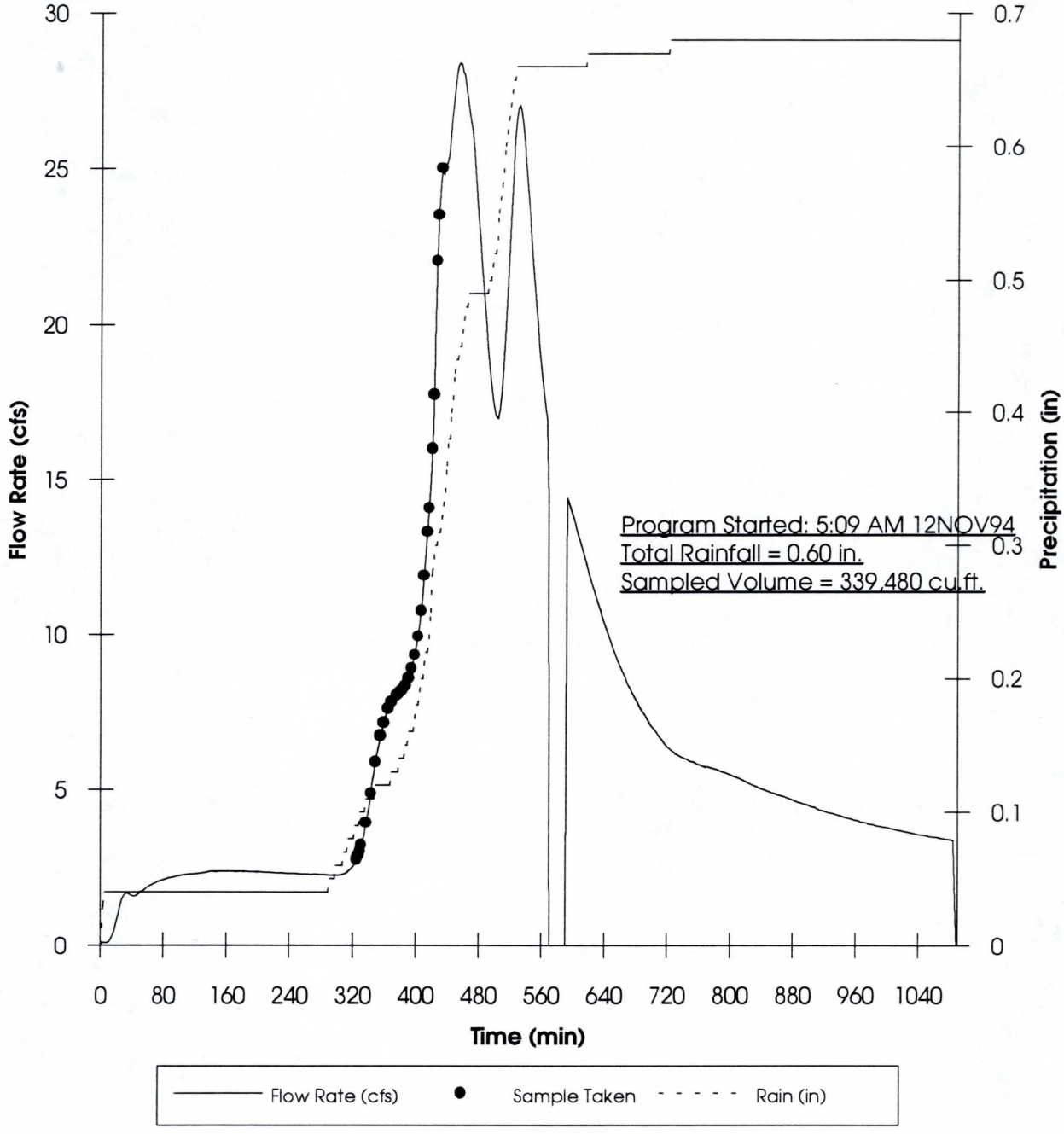
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 5:09 AM 12NOV94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
10-Nov-94	0.039	0.149	0.07	2590	0.07	2590	0
11-Nov-94	0.031	0.201	0.102	8800	0.086	11400	0.04
12-Nov-94	0	28.412	5.379	339480	1.85	350880	0.64
13-Nov-94	0	0	0	0	1.388	350880	0
14-Nov-94	0	0	0	0	1.11	350880	0

MESA 3: Falcon Field

11/12/94 Storm Event



MESA 3: Falcon Field - 12/5/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 12:27 AM 5DEC94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 2000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT 1440, I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:44 AM 31OCT94

	SAMPLE TAKEN					
001-01	12:28 AM	5-Dec-94 011-04	2:28 AM	5-Dec-94 020-06	3:33 AM	5-Dec-94
002-01	12:30 AM	5-Dec-94 012-04	2:38 AM	5-Dec-94 021-07	3:38 AM	5-Dec-94
003-02	12:32 AM	5-Dec-94 013-05	2:47 AM	5-Dec-94 022-07	3:43 AM	5-Dec-94
004-02	12:34 AM	5-Dec-94 014-05	2:56 AM	5-Dec-94 023-07	3:48 AM	5-Dec-94
005-03	1:07 AM	5-Dec-94 015-05	3:03 AM	5-Dec-94 024-07	3:53 AM	5-Dec-94
006-03	1:28 AM	5-Dec-94 016-05	3:10 AM	5-Dec-94 025-08	3:58 AM	5-Dec-94
007-03	1:43 AM	5-Dec-94 017-06	3:16 AM	5-Dec-94 026-08	4:03 AM	5-Dec-94
008-03	1:56 AM	5-Dec-94 018-06	3:22 AM	5-Dec-94 027-08	4:08 AM	5-Dec-94
009-04	2:07 AM	5-Dec-94 019-06	3:28 AM	5-Dec-94 028-08	4:13 AM	5-Dec-94
010-04	2:18 AM	5-Dec-94				

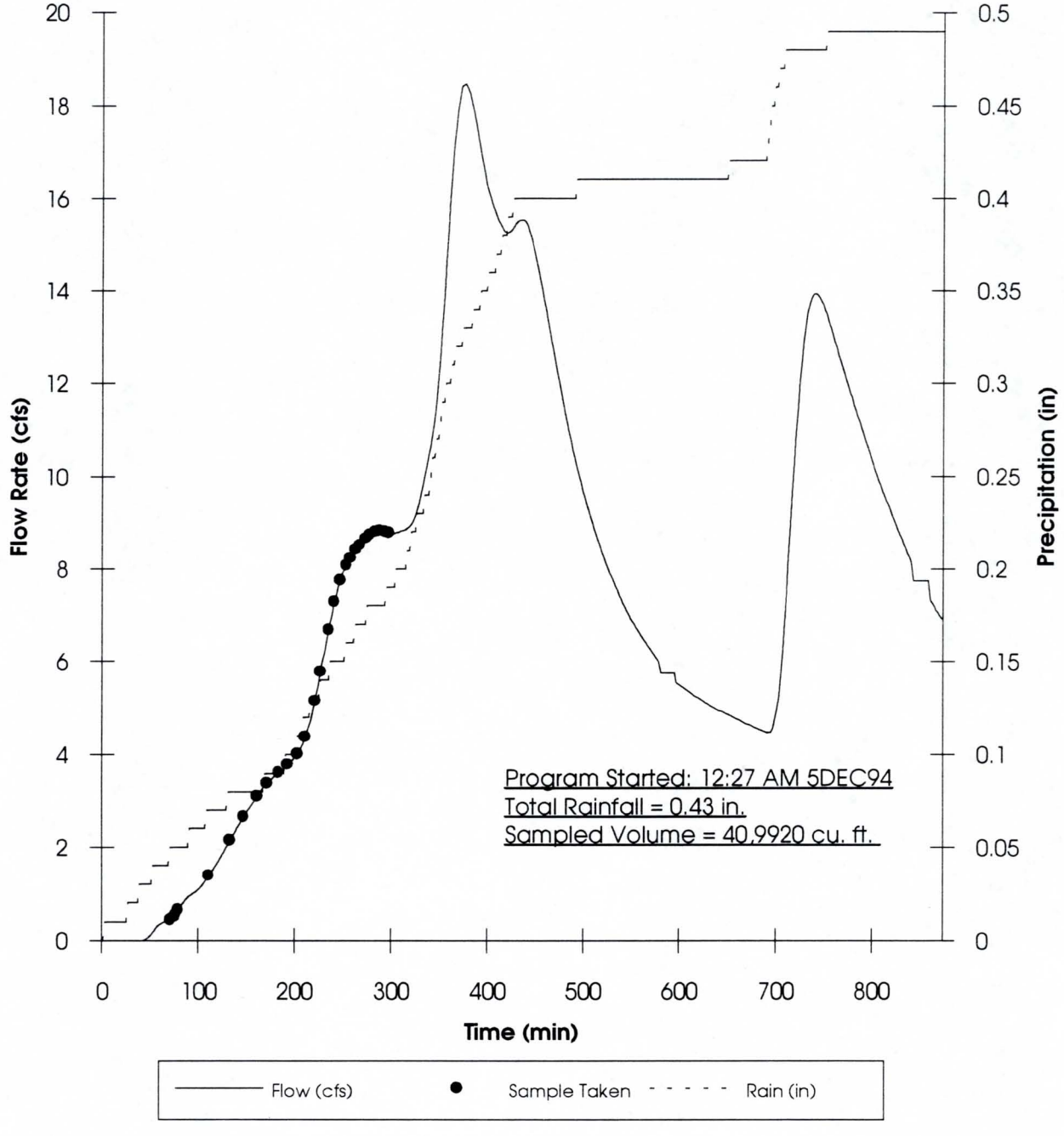
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 12:27 AM 5DEC94

Day	Min Daily Flow Rate	Max Daily FLow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total VOlume	Rain (in)
1-Dec-94	0.106	0.333	0.201	17370	0.082	60280	0
2-Dec-94	0.056	0.109	0.078	6700	0.082	66980	0
3-Dec-94	0.027	0.057	0.042	3630	0.078	70610	0
4-Dec-94	0	0.027	0.014	1240	0.073	71850	0.03
5-Dec-94	0	18.461	7.917	409920	0.676	481760	0.46

MESA 3: Falcon Field

12/5/94 Storm Event



Mesa 3: Falcon Field - 12/23/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 3:51 AM 23DEC94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE SAMPLE INTV= 2000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:44 AM 31OCT94

	SAMPLE TAKEN					
001-01	3:52 AM	23-Dec-94 011-04	4:58 AM	23-Dec-94 020-06	5:35 AM	23-Dec-94
002-01	3:54 AM	23-Dec-94 012-04	5:03 AM	23-Dec-94 021-07	5:39 AM	23-Dec-94
003-02	3:56 AM	23-Dec-94 013-05	5:07 AM	23-Dec-94 022-07	5:43 AM	23-Dec-94
004-02	3:58 AM	23-Dec-94 014-05	5:11 AM	23-Dec-94 023-07	5:47 AM	23-Dec-94
005-03	4:17 AM	23-Dec-94 015-05	5:15 AM	23-Dec-94 024-07	5:51 AM	23-Dec-94
006-03	4:26 AM	23-Dec-94 016-05	5:19 AM	23-Dec-94 025-08	5:55 AM	23-Dec-94
007-03	4:33 AM	23-Dec-94 017-06	5:23 AM	23-Dec-94 026-08	5:59 AM	23-Dec-94
008-03	4:39 AM	23-Dec-94 018-06	5:27 AM	23-Dec-94 027-08	6:03 AM	23-Dec-94
009-04	4:46 AM	23-Dec-94 019-06	5:31 AM	23-Dec-94 028-08	6:07 AM	23-Dec-94
010-04	4:53 AM	23-Dec-94				

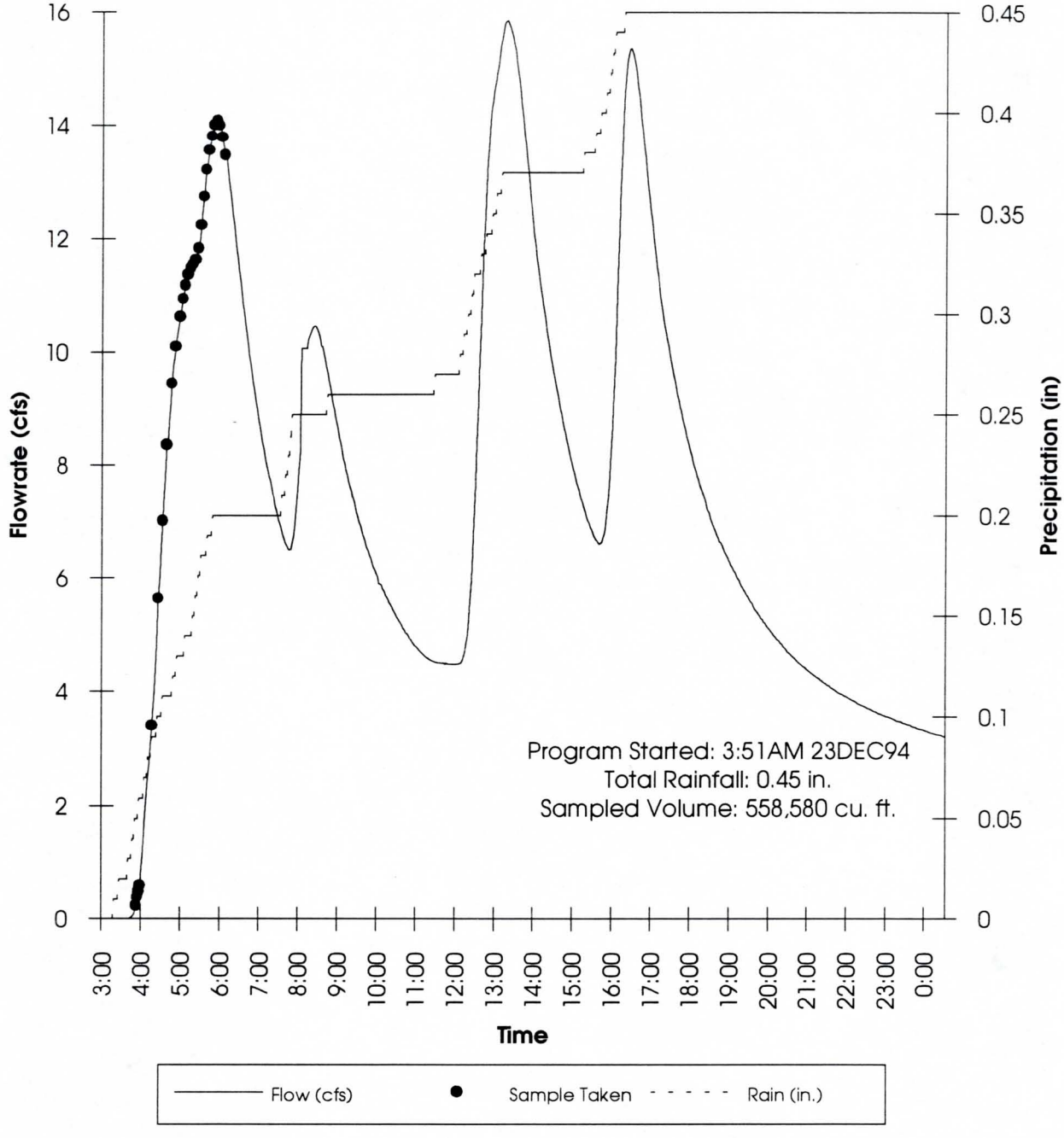
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 3:51 AM 23DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
22-Dec-94	0	0	0	0	0	0	0
23-Dec-94	0	15.855	6.52	558580	3.26	558580	0.45
24-Dec-94	1.758	3.323	2.321	200540	2.947	759120	0
25-Dec-94	1.575	25.924	6.561	566880	3.85	1326000	0.44
26-Dec-94	2.548	26.278	8.868	766120	4.853	2092100	0.5
27-Dec-94	1.73	2.548	2.089	180450	4.393	2272500	0
28-Dec-94	1.604	1.73	1.656	66750	4.001	2339200	0

Mesa 3: Falcon Field

12/23/94 Storm Event



Mesa 3: Falcon Field: 1/4/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 6:18 AM 4JAN95
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 2000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:44 AM 31OCT94

	SAMPLE TAKEN					
001-01	6:19 AM	4-Jan-95 011-04	7:23 AM	4-Jan-95 020-06	8:06 AM	4-Jan-95
002-01	6:21 AM	4-Jan-95 012-04	7:28 AM	4-Jan-95 021-07	8:11 AM	4-Jan-95
003-02	6:23 AM	4-Jan-95 013-05	7:33 AM	4-Jan-95 022-07	8:16 AM	4-Jan-95
004-02	6:25 AM	4-Jan-95 014-05	7:37 AM	4-Jan-95 023-07	8:21 AM	4-Jan-95
005-03	6:41 AM	4-Jan-95 015-05	7:42 AM	4-Jan-95 024-07	8:26 AM	4-Jan-95
006-03	6:52 AM	4-Jan-95 016-05	7:46 AM	4-Jan-95 025-08	8:31 AM	4-Jan-95
007-03	7:00 AM	4-Jan-95 017-06	7:51 AM	4-Jan-95 026-08	8:37 AM	4-Jan-95
008-03	7:07 AM	4-Jan-95 018-06	7:56 AM	4-Jan-95 027-08	8:43 AM	4-Jan-95
009-04	7:13 AM	4-Jan-95 019-06	8:01 AM	4-Jan-95 028-08	8:49 AM	4-Jan-95
010-04	7:18 AM	4-Jan-95				

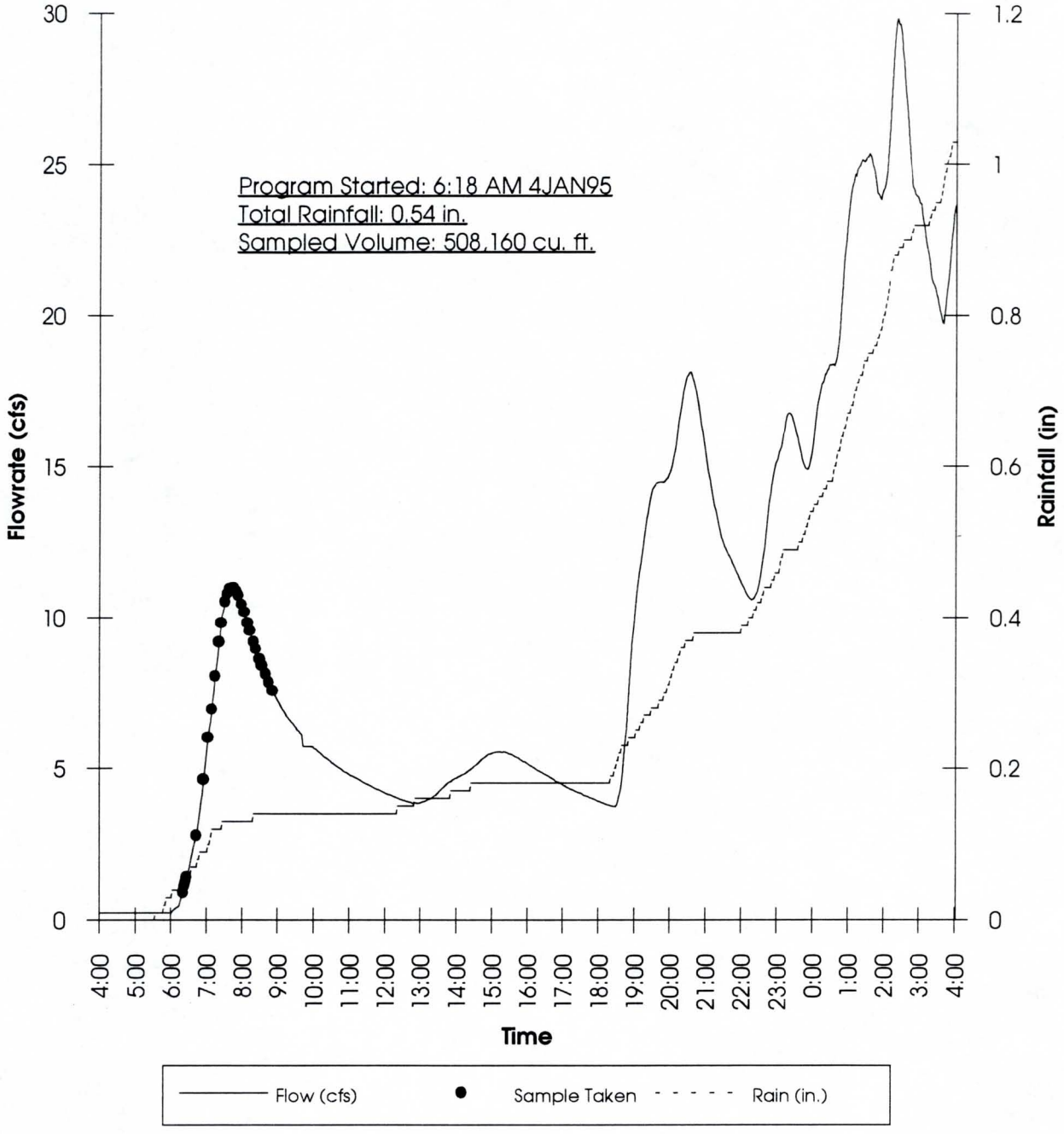
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 6:18 AM 4JAN95

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rainfall
3-Jan-95	0.258	0.294	0.274	6480	0.274	6480	0
4-Jan-95	0.239	18.121	5.872	501680	3.073	508160	0.54
5-Jan-95	2.448	45.8	11.376	982880	5.84	1491000	0.95
6-Jan-95	2.015	2.456	2.206	74120	4.932	1565100	0

Mesa 3: Falcon Field

1/4/95 Storm Event



Mesa 3: Falcon Field: 1/17/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
PROGRAM STARTED: 3:57 AM 17JAN95
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 4500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:44 AM 31OCT94

	SAMPLE TAKEN					
001-01	3:58 AM	17-Jan-95 011-04	5:10 AM	17-Jan-95 020-06	6:25 AM	17-Jan-95
002-01	4:00 AM	17-Jan-95 012-04	5:17 AM	17-Jan-95 021-07	6:36 AM	17-Jan-95
003-02	4:02 AM	17-Jan-95 013-05	5:24 AM	17-Jan-95 022-07	6:48 AM	17-Jan-95
004-02	4:04 AM	17-Jan-95 014-05	5:31 AM	17-Jan-95 023-07	7:00 AM	17-Jan-95
005-03	4:15 AM	17-Jan-95 015-05	5:39 AM	17-Jan-95 024-07	7:13 AM	17-Jan-95
006-03	4:28 AM	17-Jan-95 016-05	5:47 AM	17-Jan-95 025-08	7:27 AM	17-Jan-95
007-03	4:39 AM	17-Jan-95 017-06	5:56 AM	17-Jan-95 026-08	7:41 AM	17-Jan-95
008-03	4:48 AM	17-Jan-95 018-06	6:05 AM	17-Jan-95 027-08	7:56 AM	17-Jan-95
009-04	4:56 AM	17-Jan-95 019-06	6:15 AM	17-Jan-95 028-08	8:12 AM	17-Jan-95
010-04	5:03 AM	17-Jan-95				

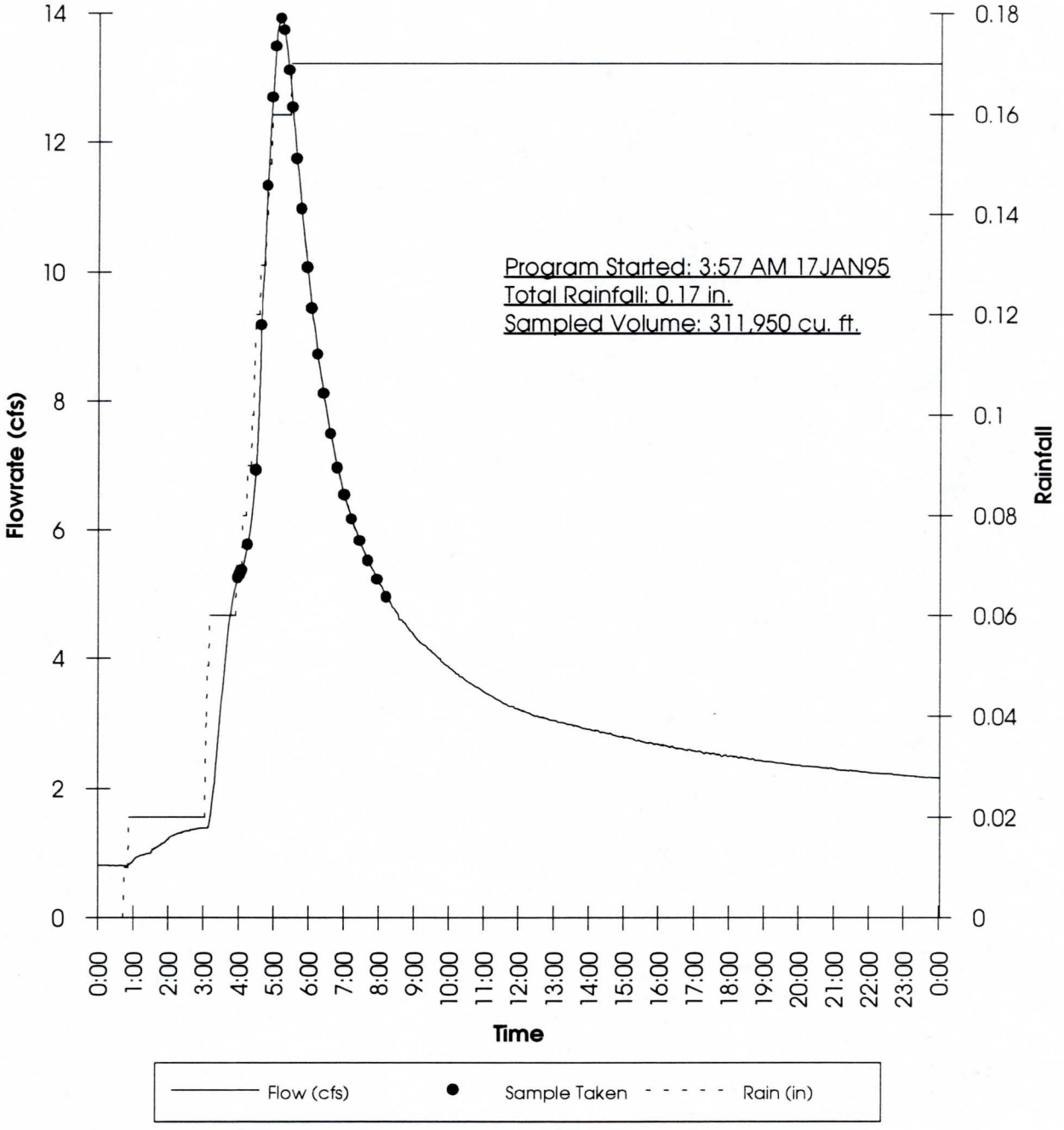
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 3:57 AM 17JAN95

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Daily Total Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rainfall
15-Jan-95	1.086	1.224	1.153	29330	1.153	29330	0
16-Jan-95	0.814	1.086	0.975	84200	1.064	113530	0
17-Jan-95	0.805	13.923	3.628	311960	1.919	425500	0.17
18-Jan-95	1.515	2.17	1.814	156740	1.893	582240	0
19-Jan-95	1.203	1.52	1.368	96060	1.788	678280	0

Mesa 3: Falcon Field

1/17/95 Storm Event



Mesa 3: Falcon Field: 1/25/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0003
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=27 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 3:34 PM 25JAN95
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 4500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=048.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:44 AM 31OCT94

	SAMPLE TAKEN					
001-01	3:35 PM	25-Jan-95 011-04	5:16 PM	25-Jan-95 020-06	7:36 PM	25-Jan-95
002-01	3:37 PM	25-Jan-95 012-04	5:27 PM	25-Jan-95 021-07	7:55 PM	25-Jan-95
003-02	3:39 PM	25-Jan-95 013-05	5:39 PM	25-Jan-95 022-07	8:15 PM	25-Jan-95
004-02	3:41 PM	25-Jan-95 014-05	5:51 PM	25-Jan-95 023-07	8:35 PM	25-Jan-95
005-03	4:06 PM	25-Jan-95 015-05	6:04 PM	25-Jan-95 024-07	8:57 PM	25-Jan-95
006-03	4:18 PM	25-Jan-95 016-05	6:18 PM	25-Jan-95 025-08	9:20 PM	25-Jan-95
007-03	4:38 PM	25-Jan-95 017-06	6:33 PM	25-Jan-95 026-08	9:43 PM	25-Jan-95
008-03	4:47 PM	25-Jan-95 018-06	6:49 PM	25-Jan-95 027-08	10:07 PM	25-Jan-95
009-04	4:56 PM	25-Jan-95 019-06	7:18 PM	25-Jan-95 028-08	10:32 PM	25-Jan-95
010-04	5:06 PM	25-Jan-95				

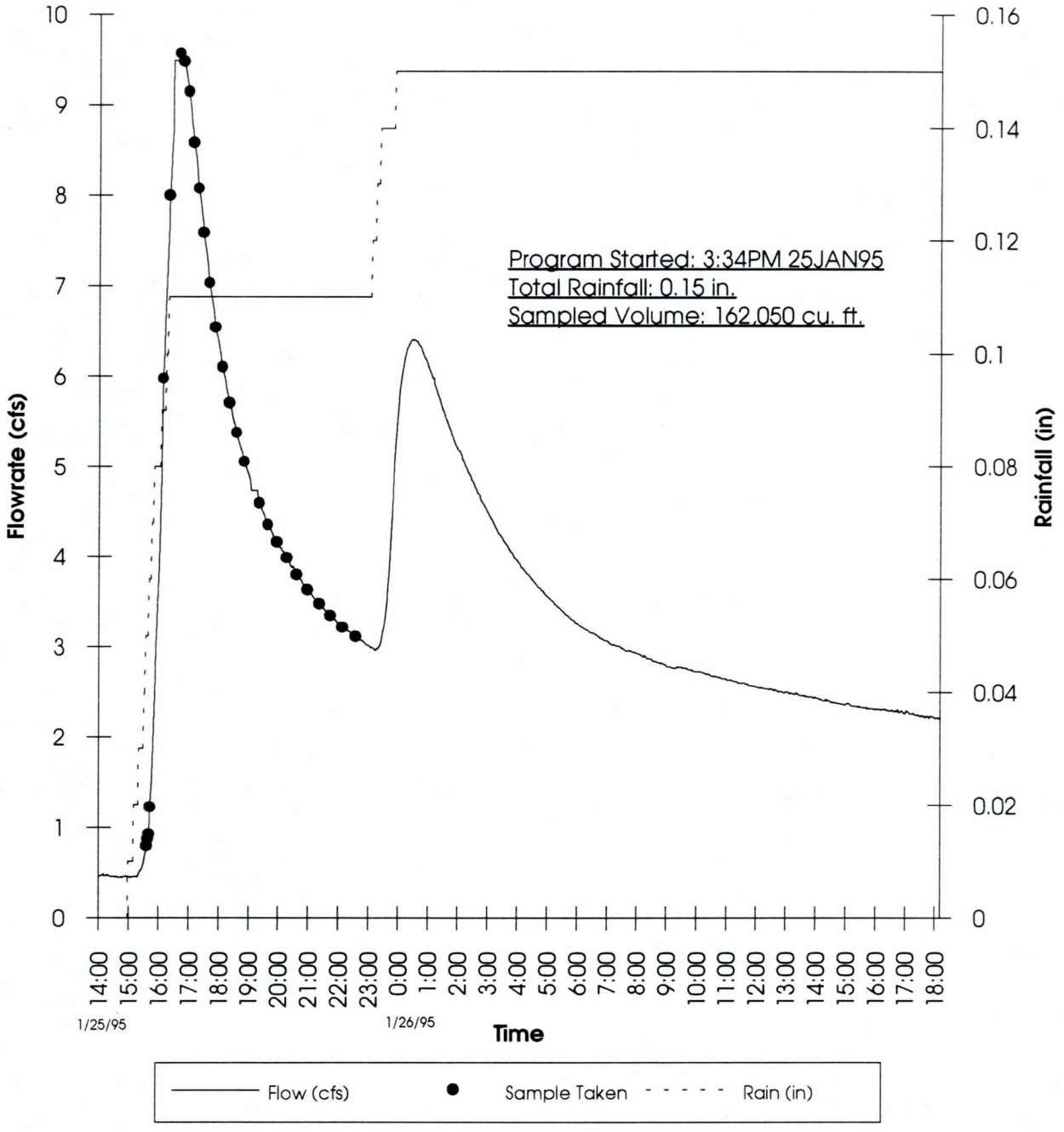
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 3:34 PM 25JAN95

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Daily Total Volume	Cum Avg Flow Rate	Cumulative Daily Total	Rain
23-Jan-95	0.396	0.518	0.441	38100	0.621	174960	0
24-Jan-95	0.202	0.396	0.296	25590	0.556	200550	0
25-Jan-95	0.181	9.568	1.889	162050	0.778	362600	0.15
26-Jan-95	2.205	6.403	3.287	213200	1.137	575800	0

Mesa 3: Falcon Field

1/25/95 Storm Event



MESA 4

MESA 4: Home and Grandview - 3/25/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0004
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=74 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 5:36 PM 25MAR94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 800CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=054.00 IN., ROUGHNESS=.013, SLOPE=0.40/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 1:20 PM 21JAN94

			SAMPLE TAKEN			
001-01	5:37 PM	25-Mar-94 010-04	6:18 PM	25-Mar-94 019-07	7:10 PM	25-Mar-94
002-02	5:41 PM	25-Mar-94 011-05	6:24 PM	25-Mar-94 020-07	7:14 PM	25-Mar-94
003-03	5:48 PM	25-Mar-94 012-05	6:31 PM	25-Mar-94 021-07	7:19 PM	25-Mar-94
004-03	5:53 PM	25-Mar-94 013-05	6:39 PM	25-Mar-94 022-07	7:24 PM	25-Mar-94
005-03	5:57 PM	25-Mar-94 014-05	6:46 PM	25-Mar-94 023-08	7:30 PM	25-Mar-94
006-03	6:01 PM	25-Mar-94 015-06	6:52 PM	25-Mar-94 024-08	7:36 PM	25-Mar-94
007-04	6:05 PM	25-Mar-94 016-06	6:57 PM	25-Mar-94 025-08	7:42 PM	25-Mar-94
008-04	6:09 PM	25-Mar-94 017-06	7:01 PM	25-Mar-94 026-08	7:48 PM	25-Mar-94
009-04	6:13 PM	25-Mar-94 018-06	7:05 PM	25-Mar-94		

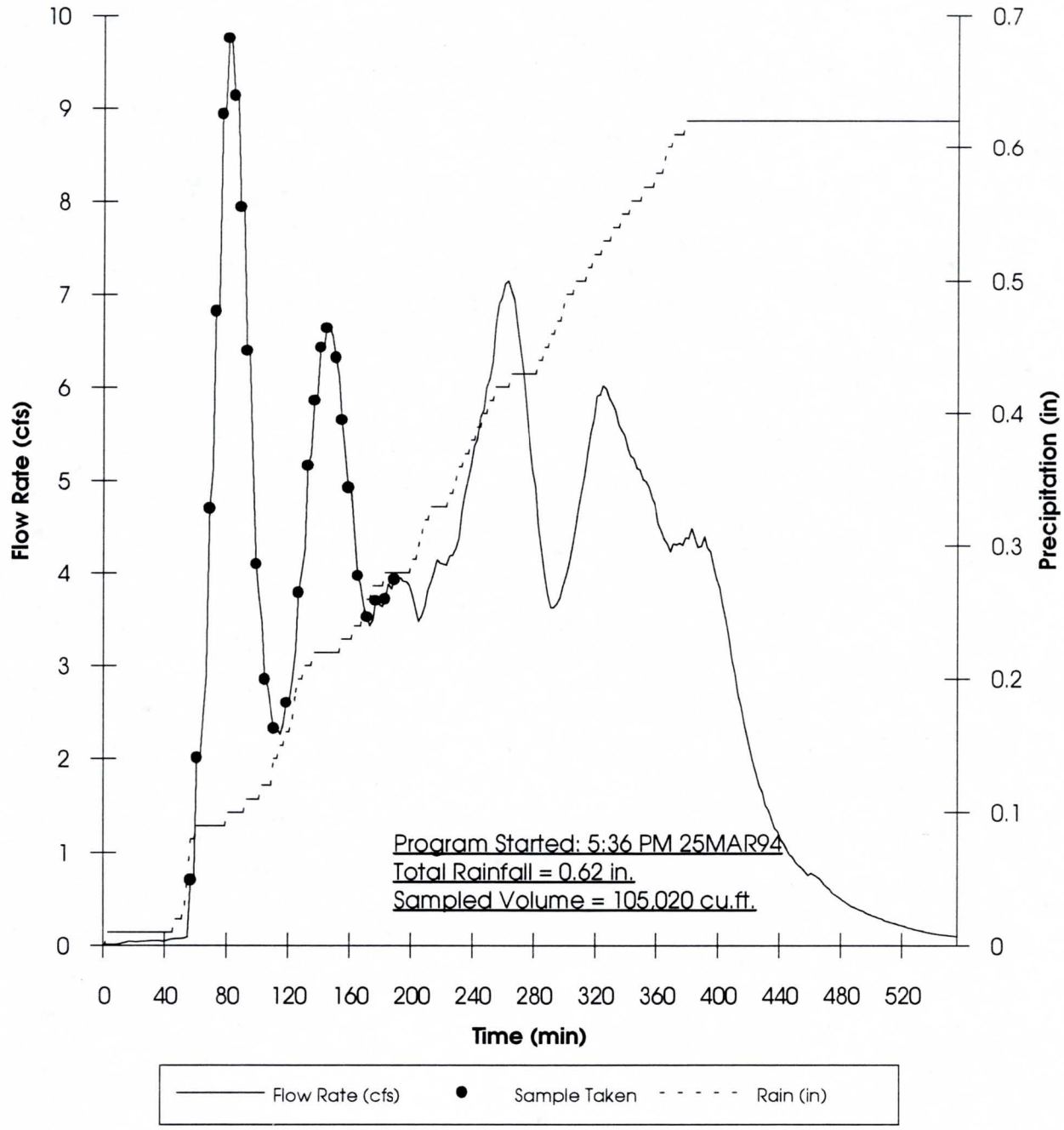
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 5:36 PM 25MAR94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
23-Mar-94	0.011	0.039	0.019	800	0.019	800	0
24-Mar-94	0.004	0.039	0.015	1250	0.017	2060	0
25-Mar-94	0.003	9.756	1.216	105020	0.416	107080	0.62
26-Mar-94	0.006	1.218	0.101	3880	0.337	110970	0

MESA 4: Horne and Grandview

3/25/94 Storm Event



MESA 4: Home and Grandview - 4/26/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0004
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=74 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 7:27 PM 26APR94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 800CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=054.00 IN., ROUGHNESS=.013, SLOPE=0.40/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 1:20 PM 21JAN94

SAMPLE TAKEN

001-01	7:28 PM	26-Apr-94	010-04	8:31 PM	26-Apr-94	019-07	9:03 PM	26-Apr-94
002-02	7:31 PM	26-Apr-94	011-05	8:34 PM	26-Apr-94	020-07	9:14 PM	26-Apr-94
003-03	7:52 PM	26-Apr-94	012-05	8:37 PM	26-Apr-94	021-07	9:17 PM	26-Apr-94
004-03	8:04 PM	26-Apr-94	013-05	8:40 PM	26-Apr-94	022-07	9:20 PM	26-Apr-94
005-03	8:12 PM	26-Apr-94	014-05	8:43 PM	26-Apr-94	023-08	9:23 PM	26-Apr-94
006-03	8:17 PM	26-Apr-94	015-06	8:47 PM	26-Apr-94	024-08	9:26 PM	26-Apr-94
007-04	8:21 PM	26-Apr-94	016-06	8:51 PM	26-Apr-94	025-08	9:29 PM	26-Apr-94
008-04	8:25 PM	26-Apr-94	017-06	8:55 PM	26-Apr-94	026-08	9:32 PM	26-Apr-94
009-04	8:28 PM	26-Apr-94	018-06	8:59 PM	26-Apr-94			

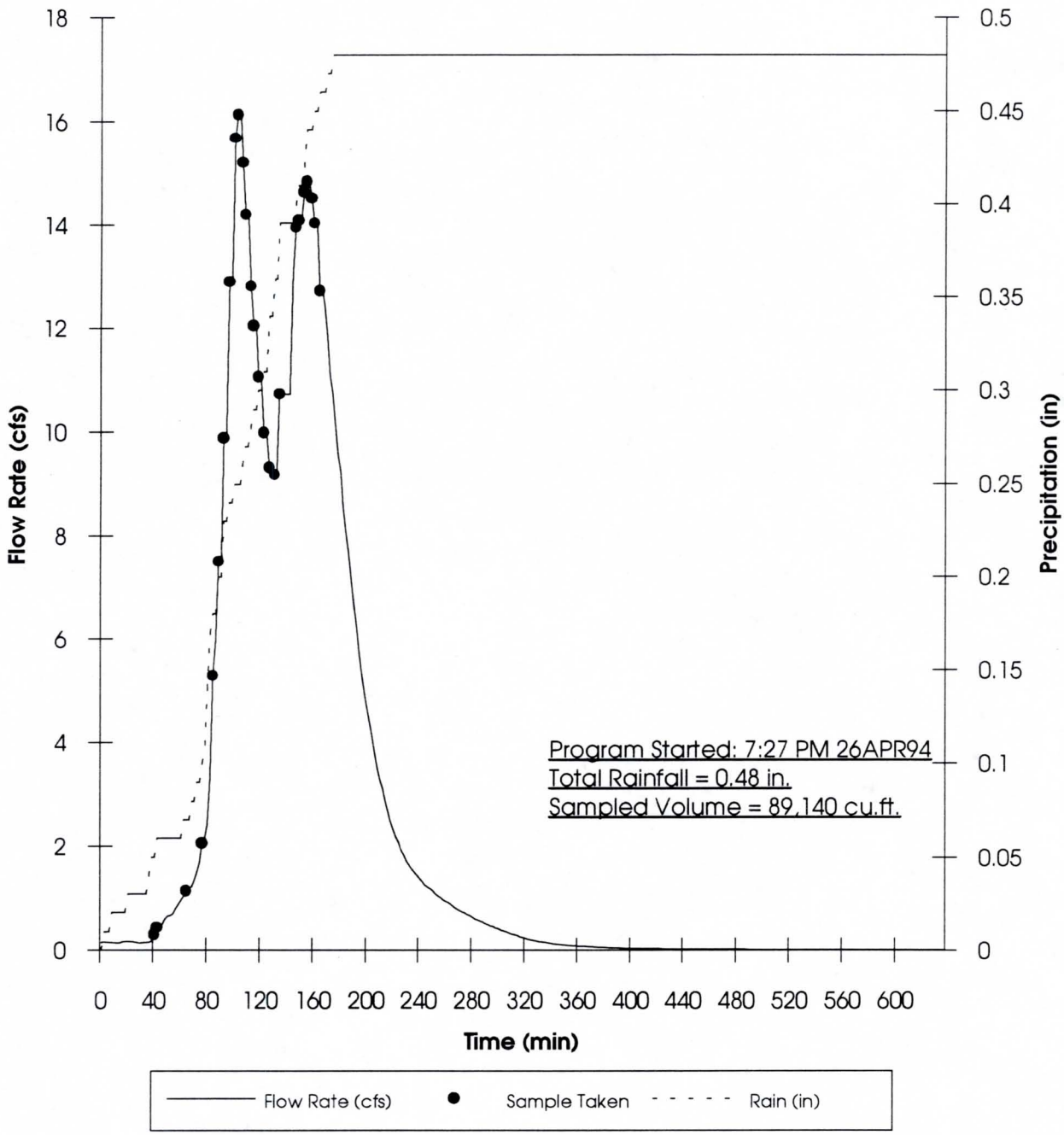
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 7:27 PM 26APR94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
24-Apr-94	0.002	0.024	0.005	60	0.005	60	0
25-Apr-94	0.002	0.019	0.007	630	0.006	690	0
26-Apr-94	0.001	16.124	1.037	89140	0.35	89840	0.48
27-Apr-94	0.006	0.304	0.021	1770	0.267	91600	0.01
28-Apr-94	0.004	0.037	0.008	260	0.216	91870	0

MESA 4: Horne and Grandview

4/26/94 Storm Event



MESA 4: Horne and Grandview - 7/19/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0004
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=74 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 7:04 AM 19JUL94
COLLECTED 2 SAMPLES IN BOTTLE 5
1 REMAINING
3 BOTTLES TO GO
MISSED 1 SAMPLE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 800CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=054.00 IN., ROUGHNESS=.013, SLOPE=0.40/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 1:20 PM 21JAN94

	SAMPLE TAKEN					
001-01	7:05 AM	19-Jul-94 005-03	7:25 AM	19-Jul-94 009-04	8:00 AM	19-Jul-94
002-02	7:08 AM	19-Jul-94 006-03	7:30 AM	19-Jul-94 010-04	8:12 AM	19-Jul-94
003-03	7:13 AM	19-Jul-94 007-04	7:35 AM	19-Jul-94 011-05	8:36 AM	19-Jul-94
004-03	7:19 AM	19-Jul-94 008-04	7:50 AM	19-Jul-94 012-05	9:26 AM	19-Jul-94

	SAMPLE MISSED	
001-05	11:45 AM	19-Jul-94

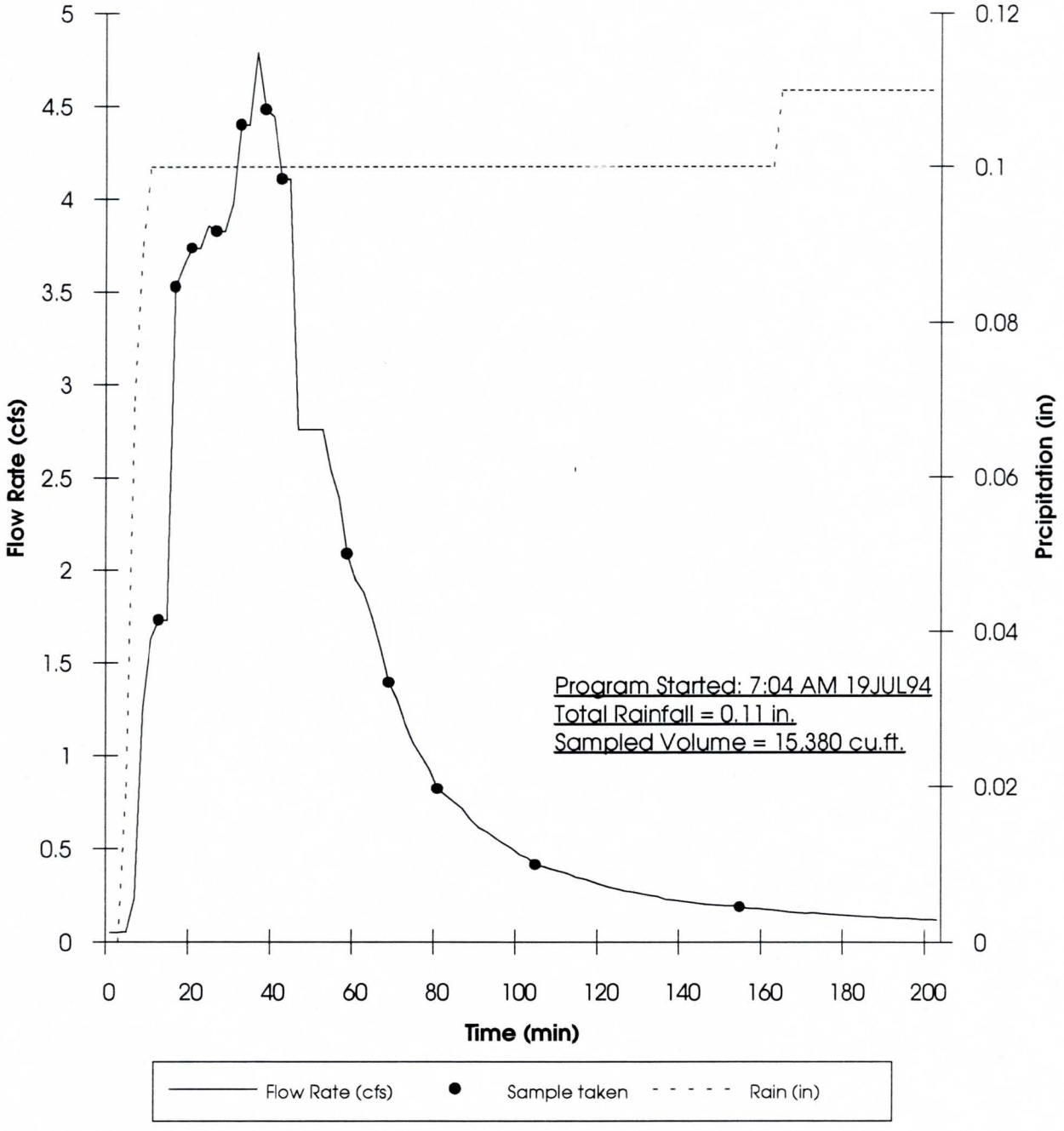
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 7:04 AM 19JUL94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
15-Jul-94	0.02	0.109	0.04	1710	0.04	1710	0
16-Jul-94	0.019	0.101	0.039	3370	0.039	5090	0
17-Jul-94	0.023	0.436	0.061	5280	0.047	10370	0.03
18-Jul-94	0.023	0.954	0.093	8060	0.058	18440	0.07
19-Jul-94	0	4.792	0.361	15380	0.119	33820	0.11

MESA 4: Horne and Grandview

7/19/94 Storm Event



MESA 4: Home and Grandview - 8/8/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0004
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=73 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 3:27 AM 8AUG94
COLLECTED 3 SAMPLES IN BOTTLE 7
1 REMAINING
1 BOTTLE TO GO
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.10 IN.; TIME LIMIT= 45 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 800CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML; AUTO CALIBRATE
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 1440 MIN
MANNING FORMULA: I.D.=054.00 IN., ROUGHNESS=.013, SLOPE=0.40/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 1:20 PM 21JAN94

	SAMPLE TAKEN					
001-01	3:28 AM	8-Aug-94	008-04	3:49 AM	8-Aug-94	015-06	4:15 AM	8-Aug-94
002-02	3:31 AM	8-Aug-94	009-04	3:52 AM	8-Aug-94	016-06	4:21 AM	8-Aug-94
003-03	3:34 AM	8-Aug-94	010-04	3:55 AM	8-Aug-94	017-06	4:28 AM	8-Aug-94
004-03	3:37 AM	8-Aug-94	011-05	3:58 AM	8-Aug-94	018-06	4:37 AM	8-Aug-94
005-03	3:40 AM	8-Aug-94	012-05	4:02 AM	8-Aug-94	019-07	4:48 AM	8-Aug-94
006-03	3:43 AM	8-Aug-94	013-05	4:06 AM	8-Aug-94	020-07	5:03 AM	8-Aug-94
007-04	3:46 AM	8-Aug-94	014-05	4:10 AM	8-Aug-94	021-07	5:21 AM	8-Aug-94

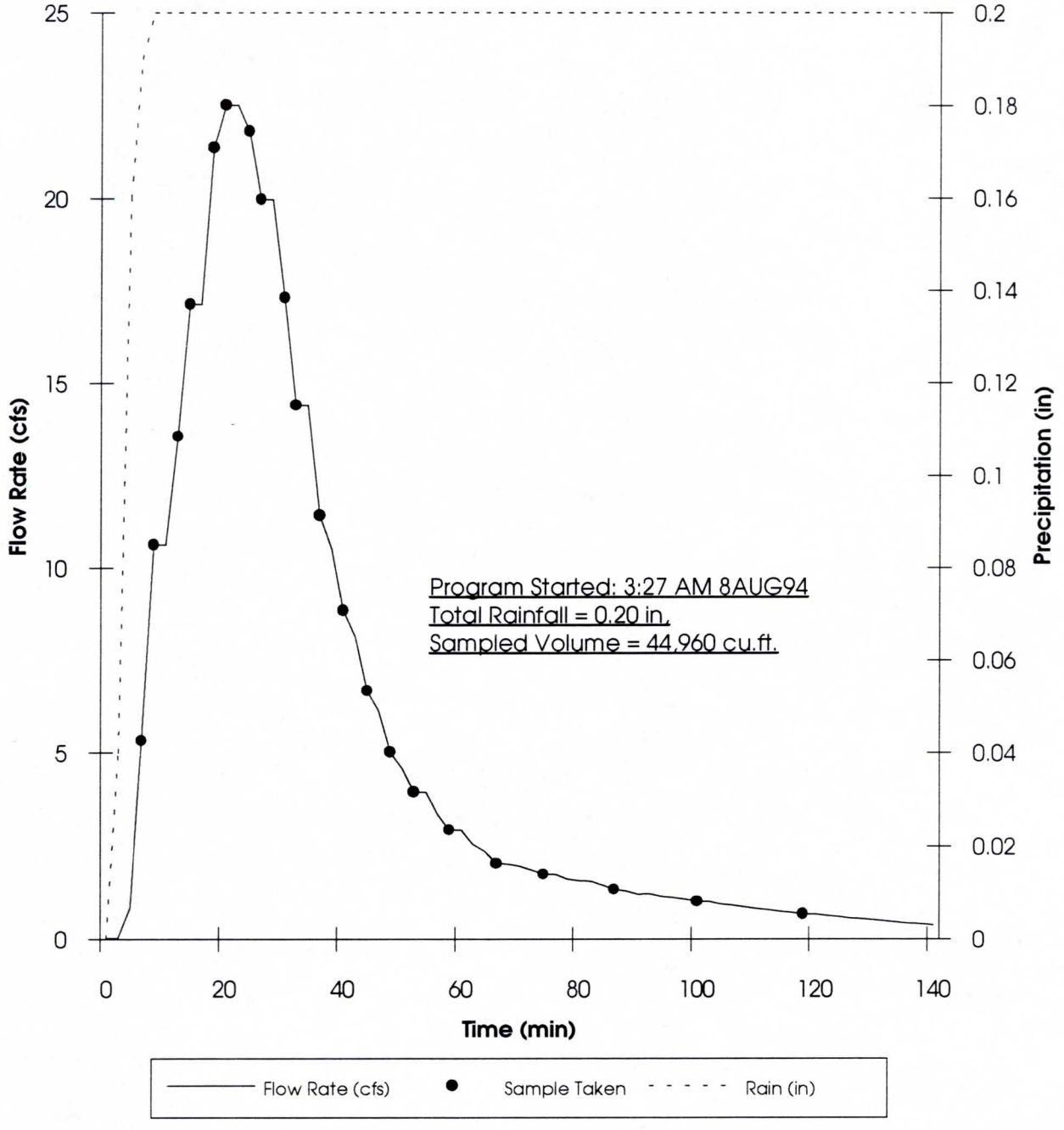
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 3:27 AM 8AUG94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
5-Aug-94	0.033	0.052	0.039	1700	0.039	1700	0
6-Aug-94	0.02	0.049	0.03	2600	0.035	4310	0
7-Aug-94	0.023	0.136	0.051	4430	0.04	8740	0
8-Aug-94	0.03	22.511	2.178	44960	0.575	53700	0.2

MESA 4: Horne and Grandview

8/8/94 Storm Event



Mesa 4: Horne and Grandview

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0004
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=73 FEET
INSIDE DIAMETER = 3/8 INCH
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 11:01 PM 4DEC94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=054.00 IN., ROUGHNESS=.013, SLOPE=0.40/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 9:31 AM 31OCT94

		SAMPLE TAKEN				
001-01	11:02 PM	4-Dec-94 011-04	1:51 AM	5-Dec-94 020-06	3:53 AM	5-Dec-94
002-01	11:05 PM	4-Dec-94 012-04	2:07 AM	5-Dec-94 021-07	4:03 AM	5-Dec-94
003-02	11:08 PM	4-Dec-94 013-05	2:27 AM	5-Dec-94 022-07	4:14 AM	5-Dec-94
004-02	11:11 PM	4-Dec-94 014-05	2:48 AM	5-Dec-94 023-07	4:24 AM	5-Dec-94
005-03	11:54 PM	4-Dec-94 015-05	3:06 AM	5-Dec-94 024-07	4:35 AM	5-Dec-94
006-03	12:49 AM	5-Dec-94 016-05	3:19 AM	5-Dec-94 025-08	4:46 AM	5-Dec-94
007-03	1:09 AM	5-Dec-94 017-06	3:28 AM	5-Dec-94 026-08	5:02 AM	5-Dec-94
008-03	1:20 AM	5-Dec-94 018-06	3:36 AM	5-Dec-94 027-08	5:30 AM	5-Dec-94
009-04	1:29 AM	5-Dec-94 019-06	3:44 AM	5-Dec-94 028-08	8:58 AM	5-Dec-94
010-04	1:39 AM	5-Dec-94				

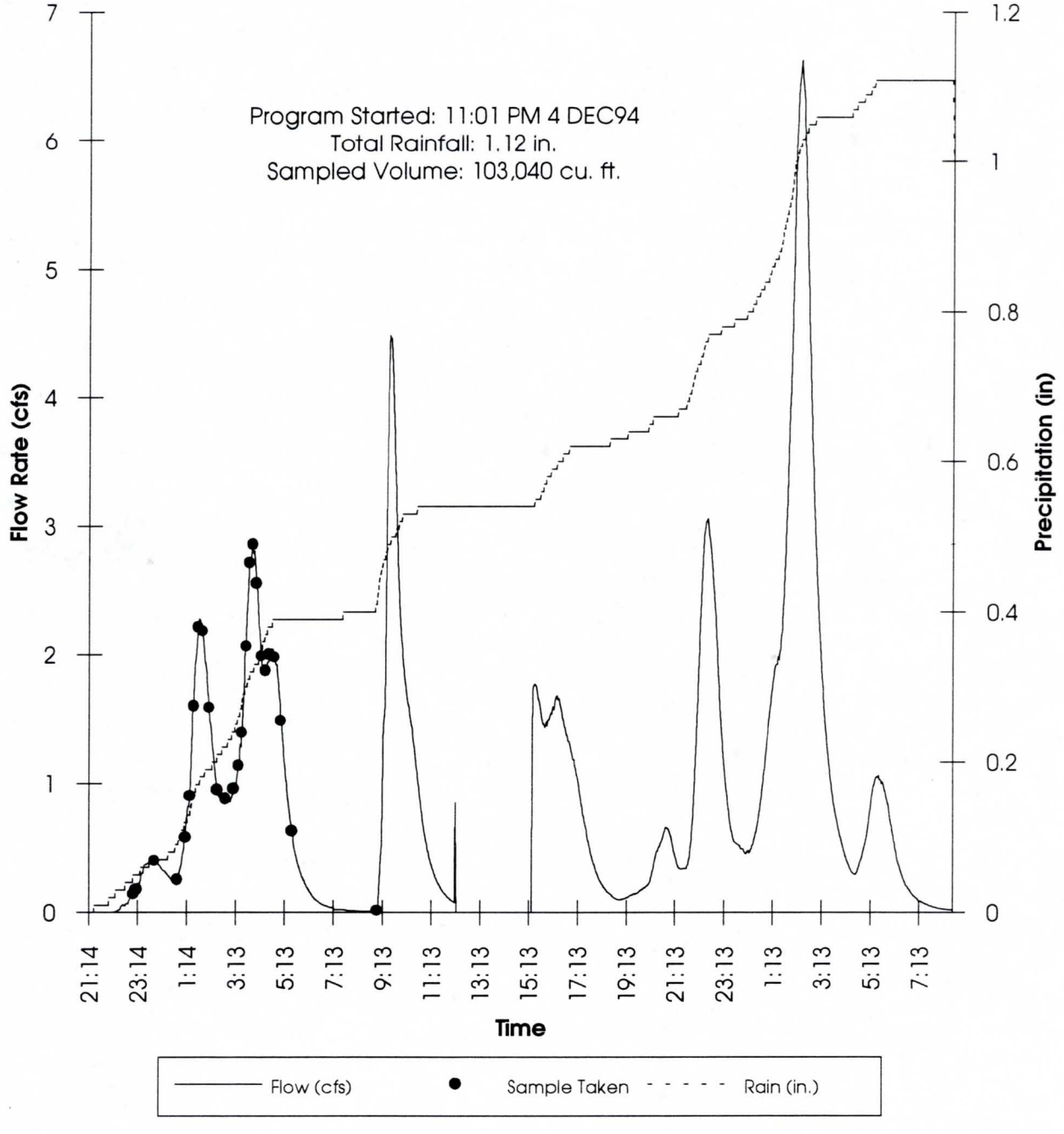
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 11:01 PM 4DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
1-Dec-94	0	0.001	0	20	0	270	0
2-Dec-94	0	0.001	0	20	0	290	0
3-Dec-94	0	0.006	0.001	40	0	340	0
4-Dec-94	0	0.413	0.019	1620	0.002	1970	0.07
5-Dec-94	0	4.481	0.809	60920	0.064	62890	0.73
6-Dec-94	0.013	6.627	1.201	40500	0.145	103390	0.32

Mesa 4: Horne & Grandview

12/5/94 Storm Event



Mesa 4: Home and Grandview - 12/23/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0004
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=73 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 1:52 AM 23DEC94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=054.00 IN., ROUGHNESS=.013, SLOPE=0.40/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 9:31 AM 31OCT94

	SAMPLE TAKEN					
001-01	1:53 AM	23-Dec-94 011-04	3:05 AM	23-Dec-94 020-06	5:57 AM	23-Dec-94
002-01	1:55 AM	23-Dec-94 012-04	3:15 AM	23-Dec-94 021-07	6:20 AM	23-Dec-94
003-02	1:59 AM	23-Dec-94 013-05	3:26 AM	23-Dec-94 022-07	6:39 AM	23-Dec-94
004-02	2:02 AM	23-Dec-94 014-05	3:41 AM	23-Dec-94 023-07	7:17 AM	23-Dec-94
005-03	2:18 AM	23-Dec-94 015-05	3:58 AM	23-Dec-94 024-07	9:14 AM	23-Dec-94
006-03	2:27 AM	23-Dec-94 016-05	4:11 AM	23-Dec-94 025-08	9:28 AM	23-Dec-94
007-03	2:35 AM	23-Dec-94 017-06	4:24 AM	23-Dec-94 026-08	9:39 AM	23-Dec-94
008-03	2:42 AM	23-Dec-94 018-06	4:37 AM	23-Dec-94 027-08	9:52 AM	23-Dec-94
009-04	2:49 AM	23-Dec-94 019-06	4:57 AM	23-Dec-94 028-08	10:16 AM	23-Dec-94
010-04	2:57 AM	23-Dec-94				

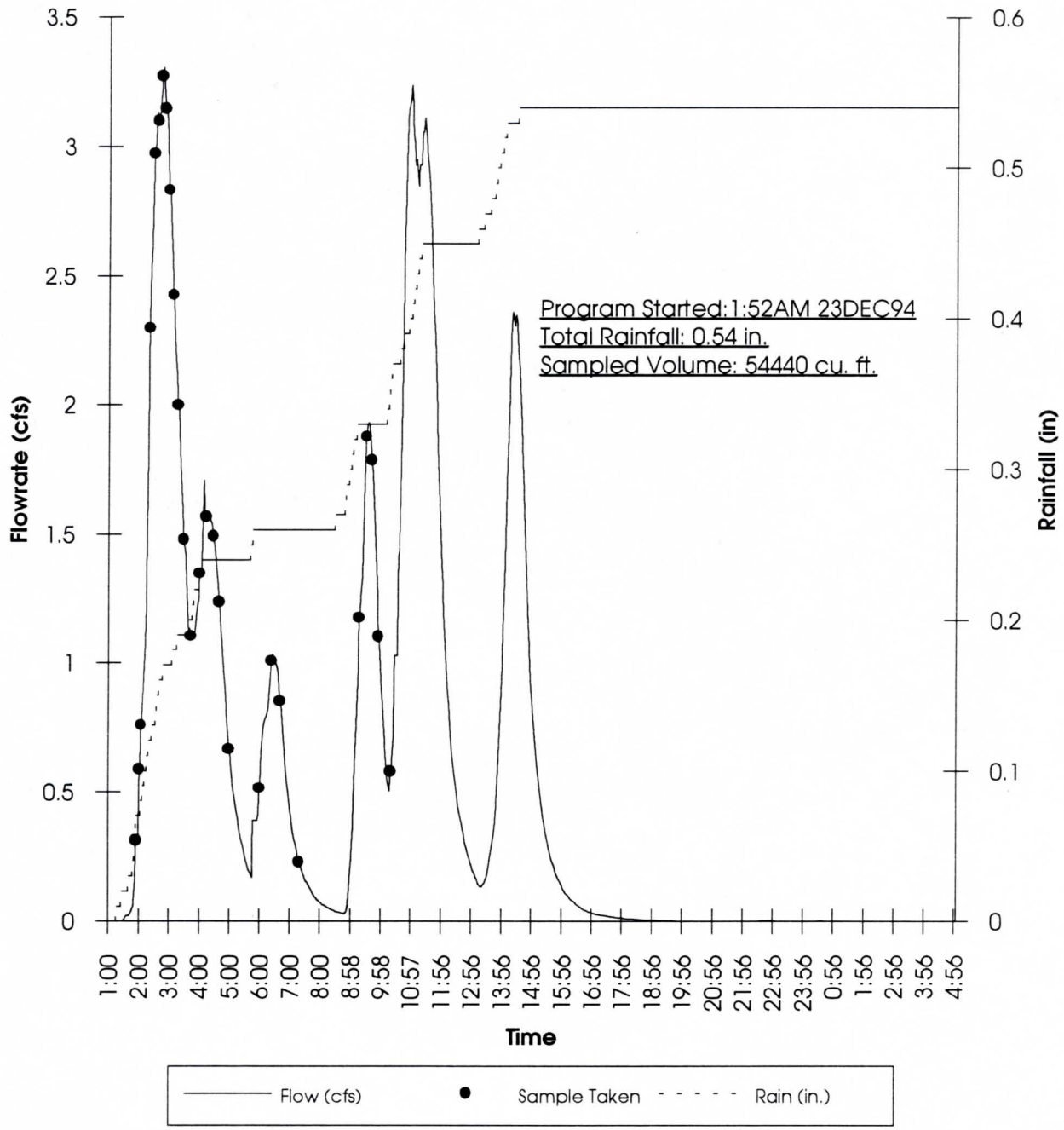
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 1:52 AM 23DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
22-Dec-94	0	0.007	0.001	40	0.001	40	0
23-Dec-94	0	3.306	0.638	54400	0.319	54440	0.54
24-Dec-94	0	0.003	0	40	0.213	54480	0

Mesa 4: Horne and Grandview

12/23/94 Storm Event



Mesa 4: Home and Grandview - 12/29/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0004
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=73 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 10:06 PM 29DEC94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=054.00 IN., ROUGHNESS=.013, SLOPE=0.40/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 9:31 AM 31OCT94

	SAMPLE TAKEN						
001-01	10:07 PM	29-Dec-94	004-02	10:16 PM	29-Dec-94	007-03	10:40 PM	29-Dec-94
002-01	10:10 PM	29-Dec-94	005-03	10:25 PM	29-Dec-94	008-03	10:50 PM	29-Dec-94
003-02	10:13 PM	29-Dec-94	006-03	10:32 PM	29-Dec-94	009-04	11:14 PM	29-Dec-94

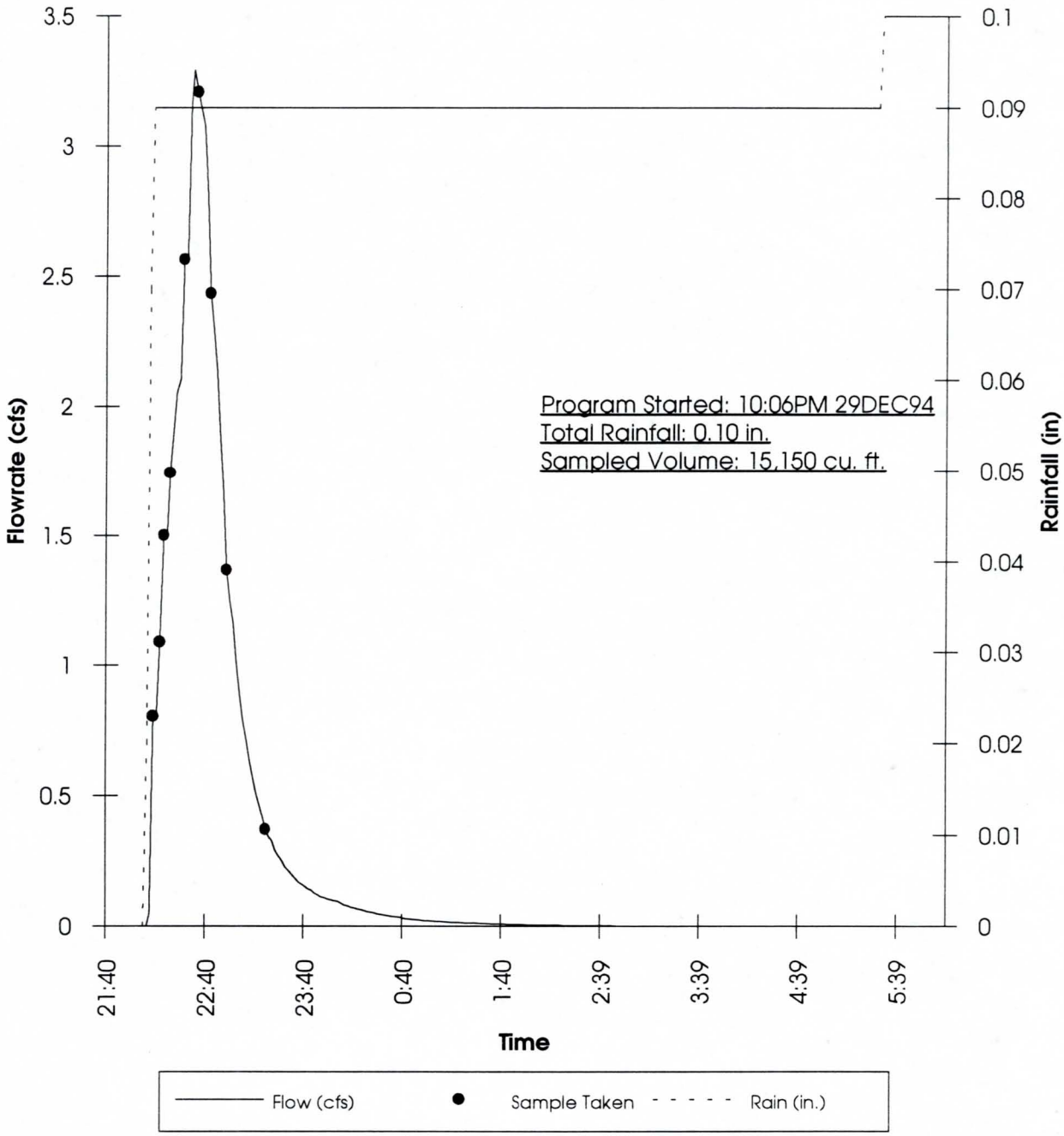
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 10:06 PM 29DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rainfall
28-Dec-94	0	0.002	0	10	0	10	0
29-Dec-94	0	3.293	0.086	7430	0.043	7440	0.09
30-Dec-94	0	0.095	0.003	260	0.03	7710	0.01
31-Dec-94	0	0.001	0	0	0.022	7710	0

Mesa 4: Horne and Grandview

12/29/94 Storm Event



Mesa 4: Horne and Grandview: 1/4/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0004
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=73 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 2.5 PSI
PROGRAM STARTED: 4:23 AM 4JAN95
COLLECTED 1 SAMPLE IN BOTTLE 7
3 REMAINING
1 BOTTLE TO GO
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.2 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=054.00 IN., ROUGHNESS=.013, SLOPE=0.40/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 9:31 AM 31OCT94

	SAMPLE TAKEN					
001-01	4:24 AM	4-Jan-95	008-03	6:29 AM	4-Jan-95	015-05	12:51 PM	4-Jan-95
002-01	4:27 AM	4-Jan-95	009-04	6:51 AM	4-Jan-95	016-05	1:07 PM	4-Jan-95
003-02	4:30 AM	4-Jan-95	010-04	7:07 AM	4-Jan-95	017-06	1:27 PM	4-Jan-95
004-02	4:33 AM	4-Jan-95	011-04	7:32 AM	4-Jan-95	018-06	2:19 PM	4-Jan-95
005-03	4:53 AM	4-Jan-95	012-04	9:19 AM	4-Jan-95	019-06	10:07 AM	5-Jan-95
006-03	5:11 AM	4-Jan-95	013-05	11:35 AM	4-Jan-95	020-06	11:57 AM	5-Jan-95
007-03	5:36 AM	4-Jan-95	014-05	12:24 PM	4-Jan-95	021-07	3:20 PM	5-Jan-95

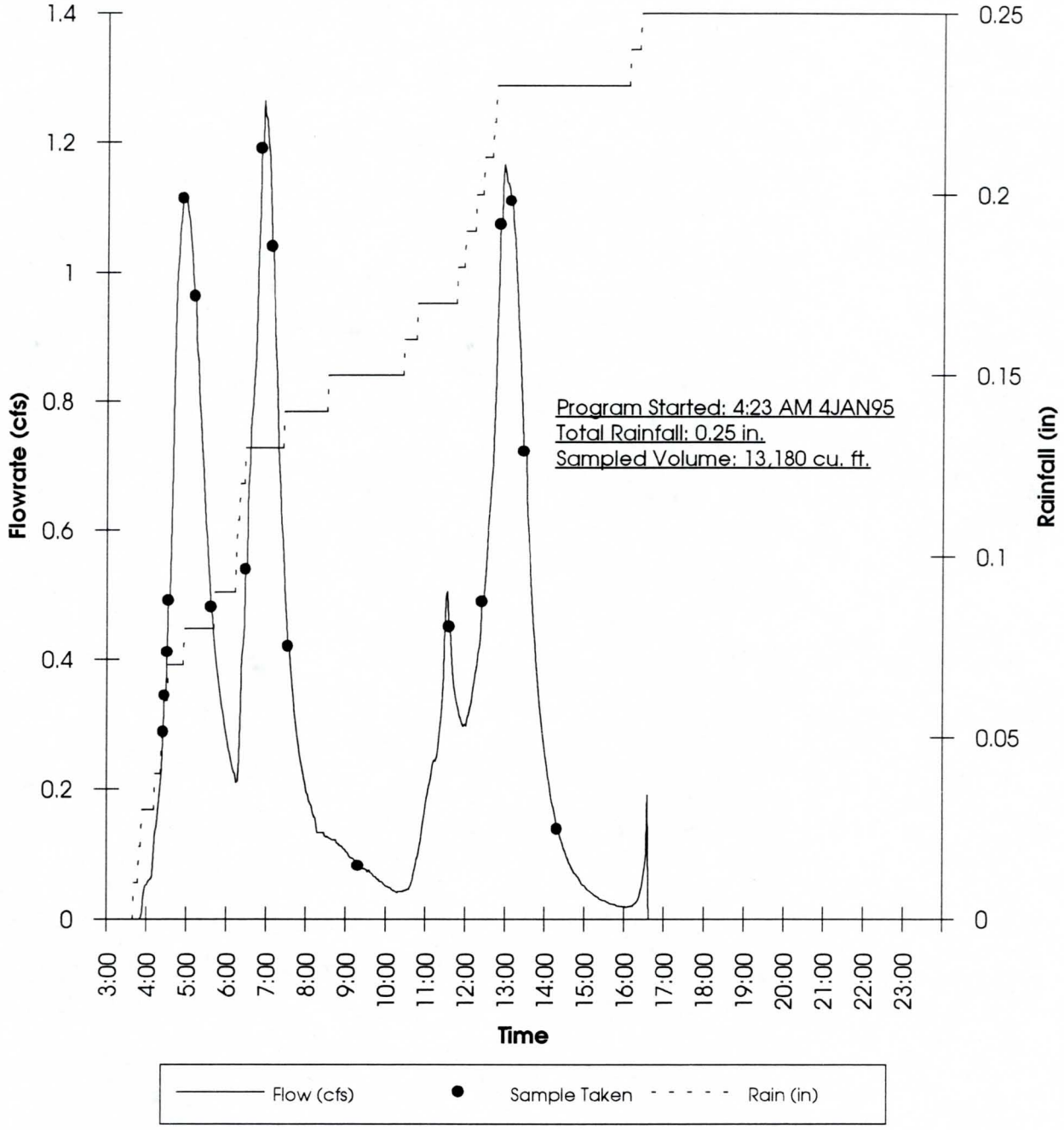
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 4:23 AM 4JAN95

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rainfall
3-Jan-95	0	0.142	0.046	2120	0.046	2120	0
4-Jan-95	0	1.264	0.187	11050	0.116	13180	0.25
5-Jan-95	0	0.267	0.041	2110	0.091	15290	0
6-Jan-95	0	0.004	0	10	0.069	15300	0

Mesa 4: Horne and Grandview

1/4/95 Storm Event



MESA 5

MESA 5: Dobson Rd. South of Broadway - 3/25/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0005
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=71 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 5 PSI
PROGRAM STARTED: 5:42 PM 25MAR94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=030.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 9:51 AM 15FEB94

			SAMPLE TAKEN			
001-01	5:43 PM	25-Mar-94 010-04	6:28 PM	25-Mar-94 019-07	7:09 PM	25-Mar-94
002-02	5:47 PM	25-Mar-94 011-05	6:33 PM	25-Mar-94 020-07	7:14 PM	25-Mar-94
003-03	5:59 PM	25-Mar-94 012-05	6:37 PM	25-Mar-94 021-07	7:18 PM	25-Mar-94
004-03	6:03 PM	25-Mar-94 013-05	6:41 PM	25-Mar-94 022-07	7:22 PM	25-Mar-94
005-03	6:07 PM	25-Mar-94 014-05	6:45 PM	25-Mar-94 023-08	7:26 PM	25-Mar-94
006-03	6:11 PM	25-Mar-94 015-06	6:50 PM	25-Mar-94 024-08	7:30 PM	25-Mar-94
007-04	6:16 PM	25-Mar-94 016-06	6:55 PM	25-Mar-94 025-08	7:34 PM	25-Mar-94
008-04	6:20 PM	25-Mar-94 017-06	7:00 PM	25-Mar-94 026-08	7:39 PM	25-Mar-94
009-04	6:24 PM	25-Mar-94 018-06	7:04 PM	25-Mar-94		

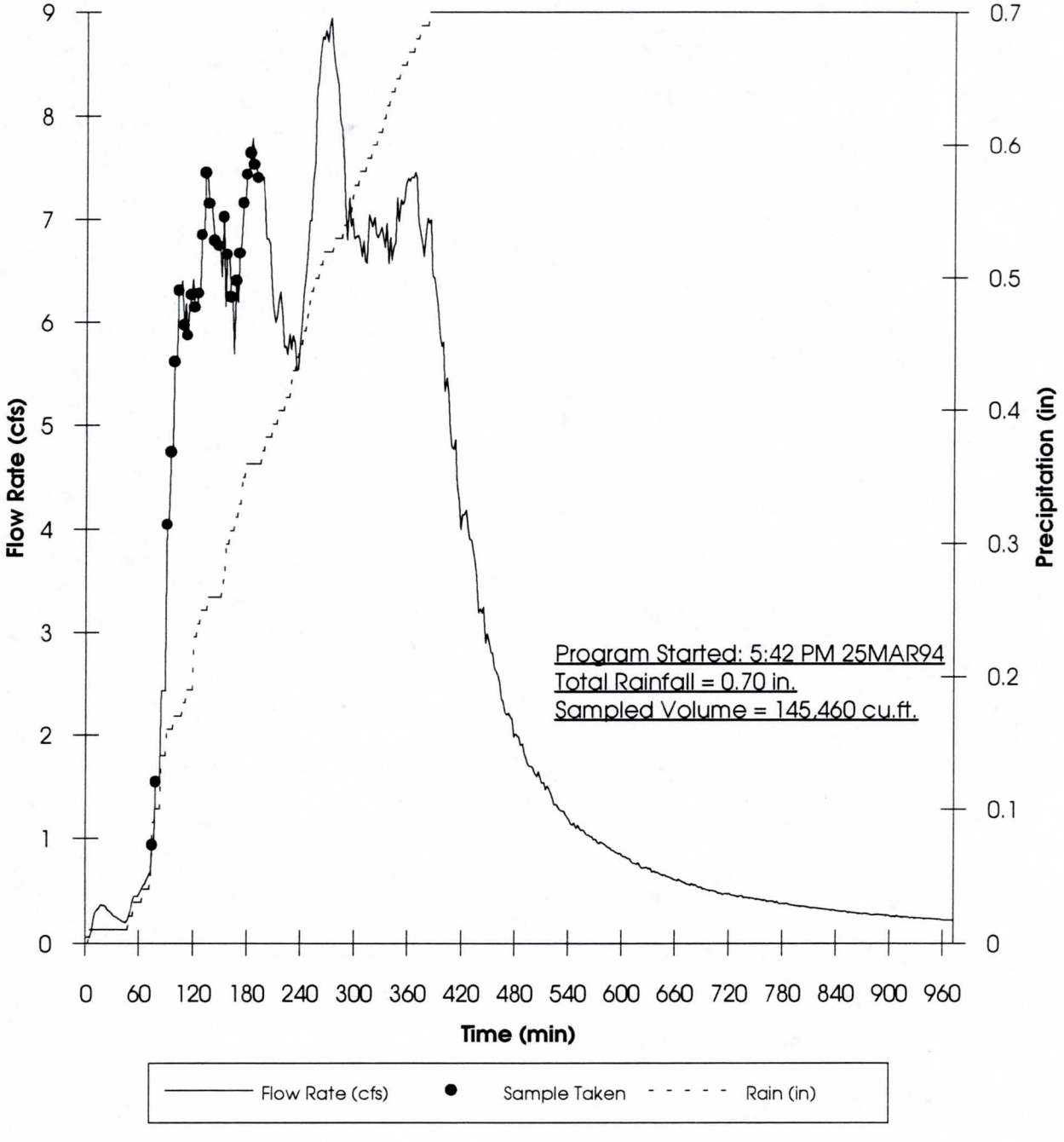
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 5:42 PM 25MAR94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
23-Mar-94	0.056	0.072	0.061	2700	0.061	2700	0
24-Mar-94	0.051	0.124	0.061	5250	0.061	7950	0
25-Mar-94	0.053	8.943	1.684	145460	0.602	153410	0.7
26-Mar-94	0.183	2.914	0.651	23970	0.614	177390	0

MESA 5: Dobson South of Broadway

3/25/94 Storm Event



MESA 5: Dobson South of Broadway - 4/26/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0005
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=71 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 5 PSI
PROGRAM STARTED: 7:48 PM 26APR94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
1 SAMP/BOTTLE
SAMPLE VOLUME=1900 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=030.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 9:51 AM 15FEB94

	SAMPLE TAKEN					
001-01	7:49 PM	26-Apr-94	010-04	9:00 PM	26-Apr-94	019-07	9:48 PM	26-Apr-94
002-02	7:53 PM	26-Apr-94	011-05	9:06 PM	26-Apr-94	020-07	9:53 PM	26-Apr-94
003-03	8:10 PM	26-Apr-94	012-05	9:12 PM	26-Apr-94	021-07	9:58 PM	26-Apr-94
004-03	8:20 PM	26-Apr-94	013-05	9:19 PM	26-Apr-94	022-07	10:02 PM	26-Apr-94
005-03	8:27 PM	26-Apr-94	014-05	9:24 PM	26-Apr-94	023-08	10:07 PM	26-Apr-94
006-03	8:34 PM	26-Apr-94	015-06	9:29 PM	26-Apr-94	024-08	10:13 PM	26-Apr-94
007-04	8:41 PM	26-Apr-94	016-06	9:34 PM	26-Apr-94	025-08	10:19 PM	26-Apr-94
008-04	8:48 PM	26-Apr-94	017-06	9:38 PM	26-Apr-94	026-08	10:25 PM	26-Apr-94
009-04	8:54 PM	26-Apr-94	018-06	9:43 PM	26-Apr-94			

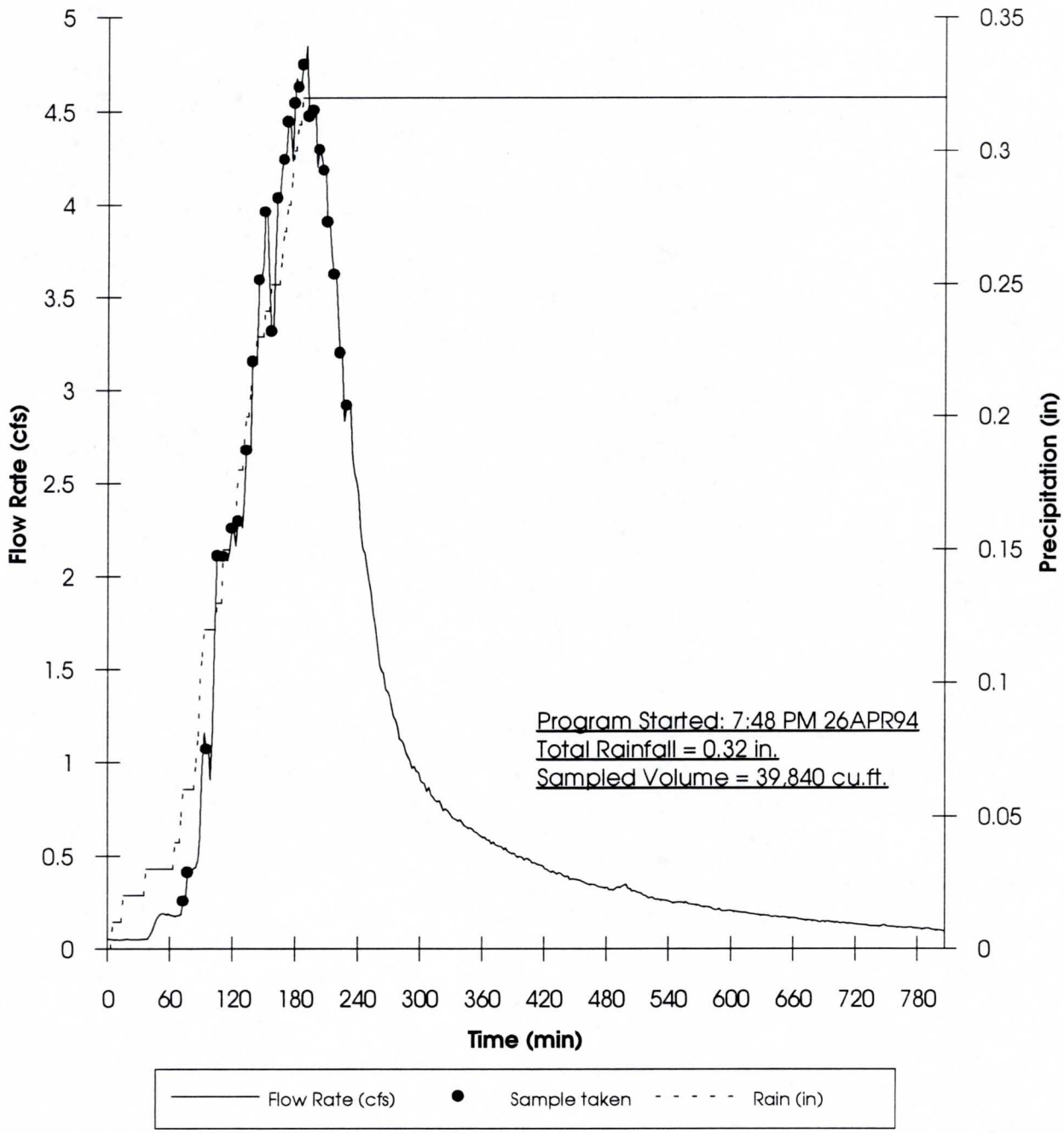
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 7:48 PM 26APR94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
24-Apr-94	0.043	0.051	0.047	720	0.047	720	0
25-Apr-94	0.041	0.116	0.05	4280	0.048	5000	0
26-Apr-94	0.043	4.846	0.461	39840	0.186	44840	0.32
27-Apr-94	0.054	0.753	0.144	12470	0.175	57320	0
28-Apr-94	0.049	0.06	0.055	1820	0.151	59140	0

MESA5: Dobson South of Broadway

4/26/94 Storm Event



MESA_5: Dobson Rd. South of Broadway, 5/24/1994

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0005
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 3800 ML
INTAKE TUBING LENGTH=71 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: DISABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: HORIZONTAL
SENSOR TYPE 5 PSI
PROGRAM STARTED: 11:00 PM 24MAY94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 75 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 0 MIN; FIRST FLUSH BOTTLES= 0

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 900 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: SAMPLE OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=030.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 9:51 AM 15FEB94

			SAMPLE TAKEN								
001-01	11:09	PM	24-May-94	012-03	12:20	AM	25-May-94	023-06	1:36	AM	25-May-94
002-01	11:21	PM	24-May-94	013-04	12:26	AM	25-May-94	024-06	1:45	AM	25-May-94
003-01	11:30	PM	24-May-94	014-04	12:31	AM	25-May-94	025-07	1:55	AM	25-May-94
004-01	11:36	PM	24-May-94	015-04	12:37	AM	25-May-94	026-07	2:06	AM	25-May-94
005-02	11:42	PM	24-May-94	016-04	12:43	AM	25-May-94	027-07	2:18	AM	25-May-94
006-02	11:47	PM	24-May-94	017-05	12:50	AM	25-May-94	028-07	2:33	AM	25-May-94
007-02	11:53	PM	24-May-94	018-05	12:57	AM	25-May-94	029-08	2:51	AM	25-May-94
008-02	11:58	PM	24-May-94	019-05	1:04	AM	25-May-94	030-08	3:09	AM	25-May-94
009-03	12:04	AM	25-May-94	020-05	1:12	AM	25-May-94	031-08	3:30	AM	25-May-94
010-03	12:10	AM	25-May-94	021-06	1:19	AM	25-May-94	032-08	3:54	AM	25-May-94
011-03	12:15	AM	25-May-94	022-06	1:27	AM	25-May-94				

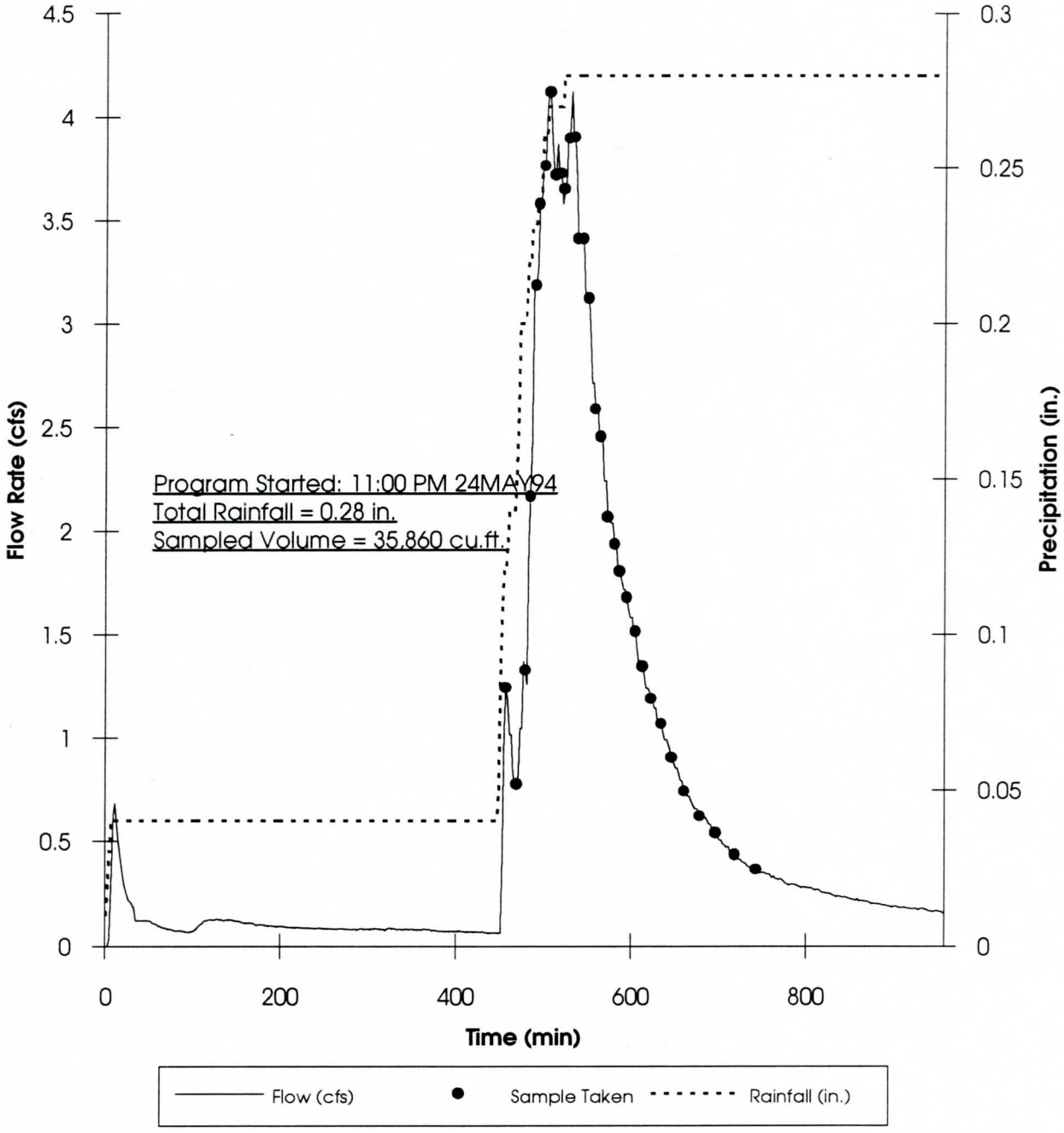
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 11:00 PM 24MAY94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rain (in)
23-May-94	0	0	0	0	0.034	32040	0
24-May-94	0	4.121	0.119	10260	0.04	42300	0.27
25-May-94	0.132	4.124	0.833	25600	0.097	67900	0.01

MESA_5: Dobson Rd. S. of Broadway

5/24/94 Storm Event



MESA 5: Dobson Rd. South of Broadway - 11/12/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0005
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=71 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 3:48 AM 12NOV94
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML; AUTO CALIBRATE
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=030.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 10:30 AM 31OCT94

			SAMPLE TAKEN			
001-01	3:49 AM	12-Nov-94 011-04	4:59 AM	12-Nov-94 020-06	5:40 AM	12-Nov-94
002-01	3:53 AM	12-Nov-94 012-04	5:04 AM	12-Nov-94 021-07	5:45 AM	12-Nov-94
003-02	3:56 AM	12-Nov-94 013-05	5:09 AM	12-Nov-94 022-07	5:50 AM	12-Nov-94
004-02	4:00 AM	12-Nov-94 014-05	5:13 AM	12-Nov-94 023-07	5:55 AM	12-Nov-94
005-03	4:19 AM	12-Nov-94 015-05	5:18 AM	12-Nov-94 024-07	6:00 AM	12-Nov-94
006-03	4:30 AM	12-Nov-94 016-05	5:22 AM	12-Nov-94 025-08	6:04 AM	12-Nov-94
007-03	4:36 AM	12-Nov-94 017-06	5:27 AM	12-Nov-94 026-08	6:09 AM	12-Nov-94
008-03	4:42 AM	12-Nov-94 018-06	5:32 AM	12-Nov-94 027-08	6:14 AM	12-Nov-94
009-04	4:49 AM	12-Nov-94 019-06	5:36 AM	12-Nov-94 028-08	6:19 AM	12-Nov-94
010-04	4:54 AM	12-Nov-94				

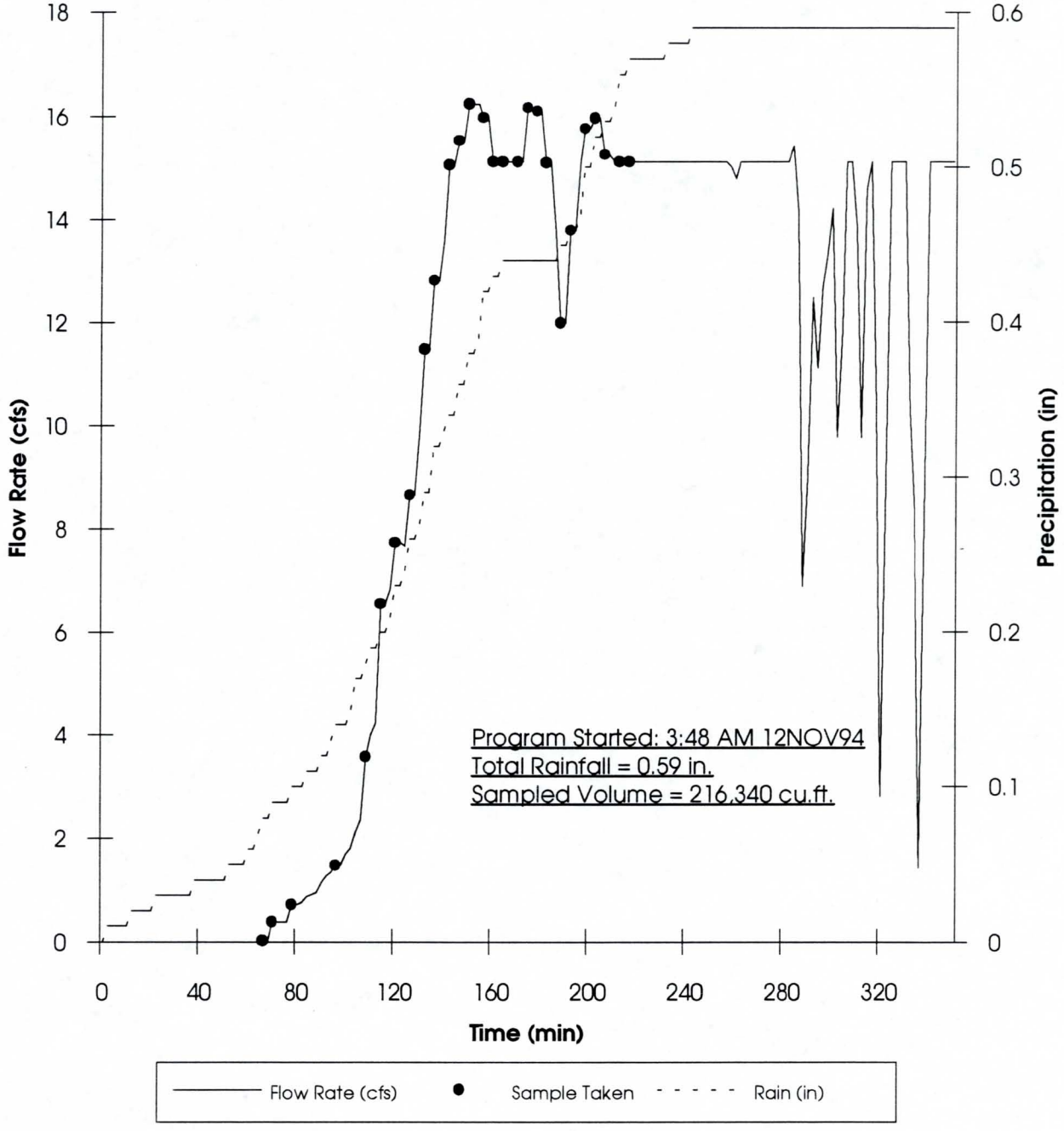
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 3:48 AM 12NOV94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg. Daily Flow Rate	Total Daily Volume	Cum Avg. Flow Rate	Cumulative Total Volume	Rain (in)
10-Nov-94	0	0	0	0	0	0	0
11-Nov-94	0	0	0	0	0	0	0
12-Nov-94	0	16.234	6.604	216340	2.201	216340	0.59

MESA 5: Dobson Rd. South of Broadway

11/12/94 Storm Event



Mesa 5: Dobson south of Broadway: 12/5/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0005
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=71 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 10:10 PM 4DEC94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=030.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:30 AM 31OCT94

		SAMPLE TAKEN				
001-01	10:11 PM	4-Dec-94 011-04	12:48 AM	5-Dec-94 020-06	1:54 AM	5-Dec-94
002-01	10:15 PM	4-Dec-94 012-04	12:57 AM	5-Dec-94 021-07	2:02 AM	5-Dec-94
003-02	10:19 PM	4-Dec-94 013-05	1:04 AM	5-Dec-94 022-07	2:11 AM	5-Dec-94
004-02	10:23 PM	4-Dec-94 014-05	1:11 AM	5-Dec-94 023-07	2:19 AM	5-Dec-94
005-03	10:40 PM	4-Dec-94 015-05	1:18 AM	5-Dec-94 024-07	2:27 AM	5-Dec-94
006-03	10:58 PM	4-Dec-94 016-05	1:25 AM	5-Dec-94 025-08	2:36 AM	5-Dec-94
007-03	11:13 PM	4-Dec-94 017-06	1:32 AM	5-Dec-94 026-08	2:45 AM	5-Dec-94
008-03	11:29 PM	4-Dec-94 018-06	1:39 AM	5-Dec-94 027-08	2:53 AM	5-Dec-94
009-04	11:48 PM	4-Dec-94 019-06	1:46 AM	5-Dec-94 028-08	3:00 AM	5-Dec-94
010-04	12:36 AM	5-Dec-94				

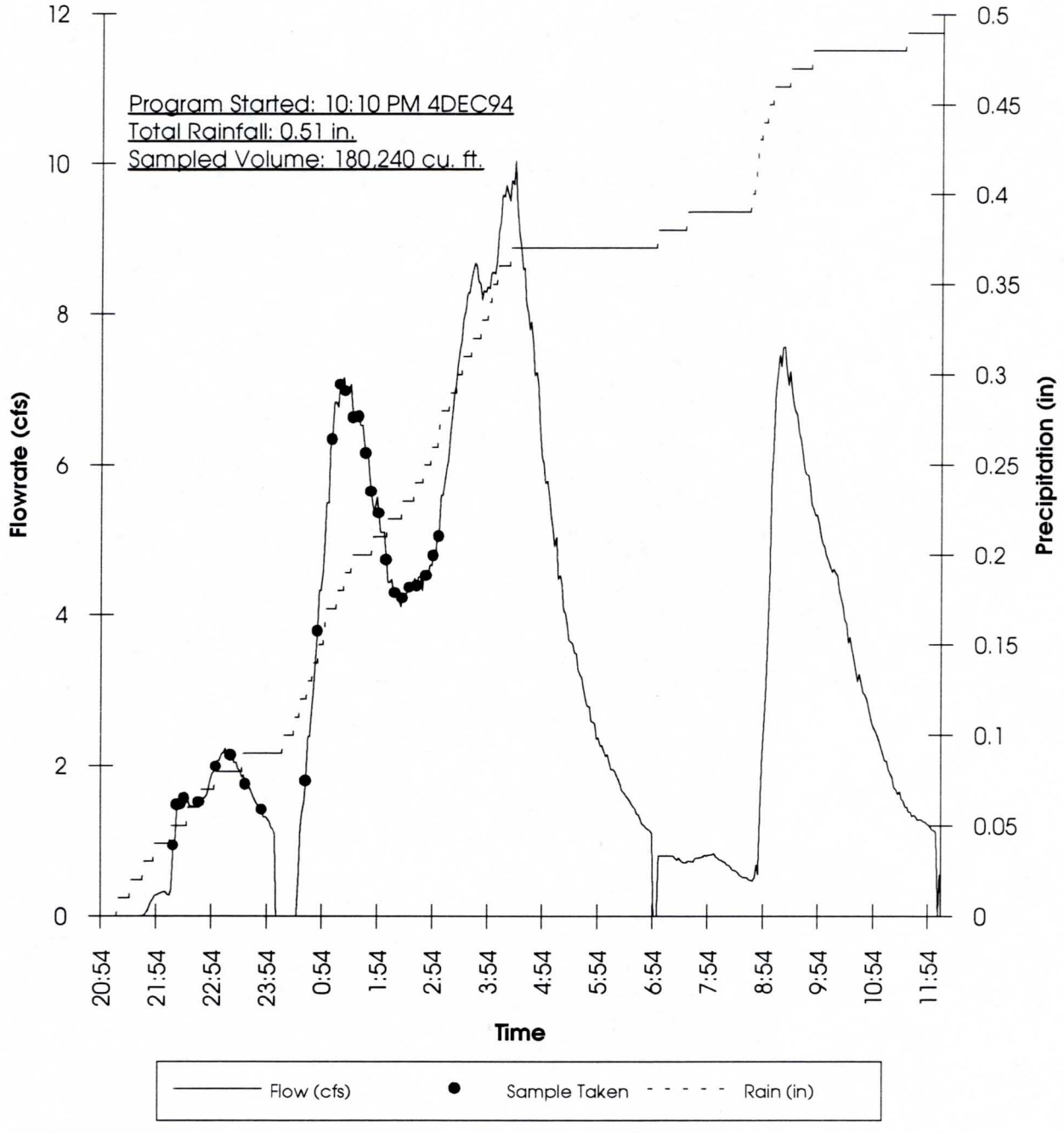
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 10:10 PM 4DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Volume	Cumulative Total Volume	Rainfall
1-Dec-94	0	0	0	0	0	0	0
2-Dec-94	0	0	0	0	0	0	0
3-Dec-94	0	0	0	0	0	0	0
4-Dec-94	0	2.226	0.13	11200	0.011	11200	0.09
5-Dec-94	0	10.035	3.617	169040	0.288	180240	0.42

Mesa 5: Dobson south of Broadway

12/5/94 Storm Event



Mesa 5: Dobson south of Broadway - 12/23/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0005
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=71 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 1:26 AM 23DEC94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=030.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:30 AM 31OCT94

SAMPLE TAKEN

001-01	1:27 AM	23-Dec-94	011-04	2:26 AM	23-Dec-94	020-06	3:19 AM	23-Dec-94
002-01	1:31 AM	23-Dec-94	012-04	2:31 AM	23-Dec-94	021-07	3:25 AM	23-Dec-94
003-02	1:34 AM	23-Dec-94	013-05	2:39 AM	23-Dec-94	022-07	3:31 AM	23-Dec-94
004-02	1:39 AM	23-Dec-94	014-05	2:44 AM	23-Dec-94	023-07	3:36 AM	23-Dec-94
005-03	1:46 AM	23-Dec-94	015-05	2:49 AM	23-Dec-94	024-07	3:41 AM	23-Dec-94
006-03	1:54 AM	23-Dec-94	016-05	2:55 AM	23-Dec-94	025-08	3:47 AM	23-Dec-94
007-03	2:02 AM	23-Dec-94	017-06	3:01 AM	23-Dec-94	026-08	3:52 AM	23-Dec-94
008-03	2:09 AM	23-Dec-94	018-06	3:07 AM	23-Dec-94	027-08	3:58 AM	23-Dec-94
009-04	2:15 AM	23-Dec-94	019-06	3:13 AM	23-Dec-94	028-08	4:02 AM	23-Dec-94
010-04	2:20 AM	23-Dec-94						

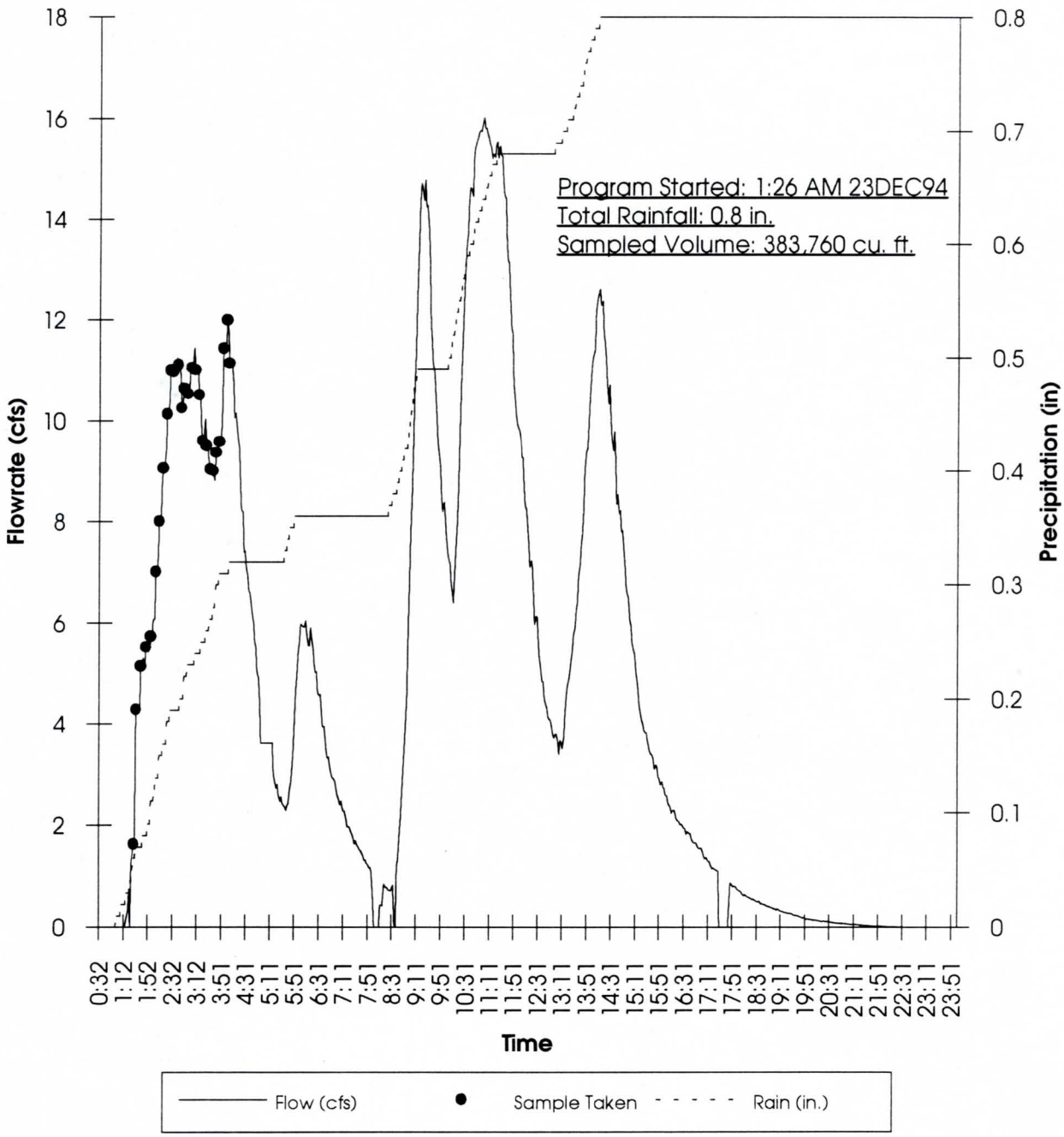
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 1:26 AM 23DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rainfall
22-Dec-94	0	0	0	0	0	0	0
23-Dec-94	0	16.008	4.508	383760	2.254	383760	0.8
24-Dec-94	0	0	0	0	1.502	383760	0
25-Dec-94	0	16.227	2.745	237150	1.813	620880	0.85
26-Dec-94	0	16.232	3.027	261500	2.056	882400	0.28
27-Dec-94	0	0	0	0	1.713	882400	0
28-Dec-94	0	0	0	0	1.468	882400	0

Mesa 5: Dobson south of Broadway

12/23/94 Storm Event



Mesa 5: Dobson south of Broadway - 12/29/94

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0005
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=71 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 9:53 PM 29DEC94
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=030.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:30 AM 31OCT94

SAMPLE TAKEN

001-01	9:54 PM	29-Dec-94 007-03	10:32 PM	29-Dec-94 012-05	11:20 PM	29-Dec-94
002-01	9:59 PM	29-Dec-94 008-04	10:39 PM	29-Dec-94 013-05	11:36 PM	29-Dec-94
003-02	10:04 PM	29-Dec-94 009-04	10:47 PM	29-Dec-94 014-05	11:57 PM	29-Dec-94
004-03	10:15 PM	29-Dec-94 010-04	10:56 PM	29-Dec-94 015-05	12:49 AM	30-Dec-94
005-03	10:21 PM	29-Dec-94 011-04	11:07 PM	29-Dec-94 016-06	1:55 AM	30-Dec-94
006-03	10:26 PM	29-Dec-94				

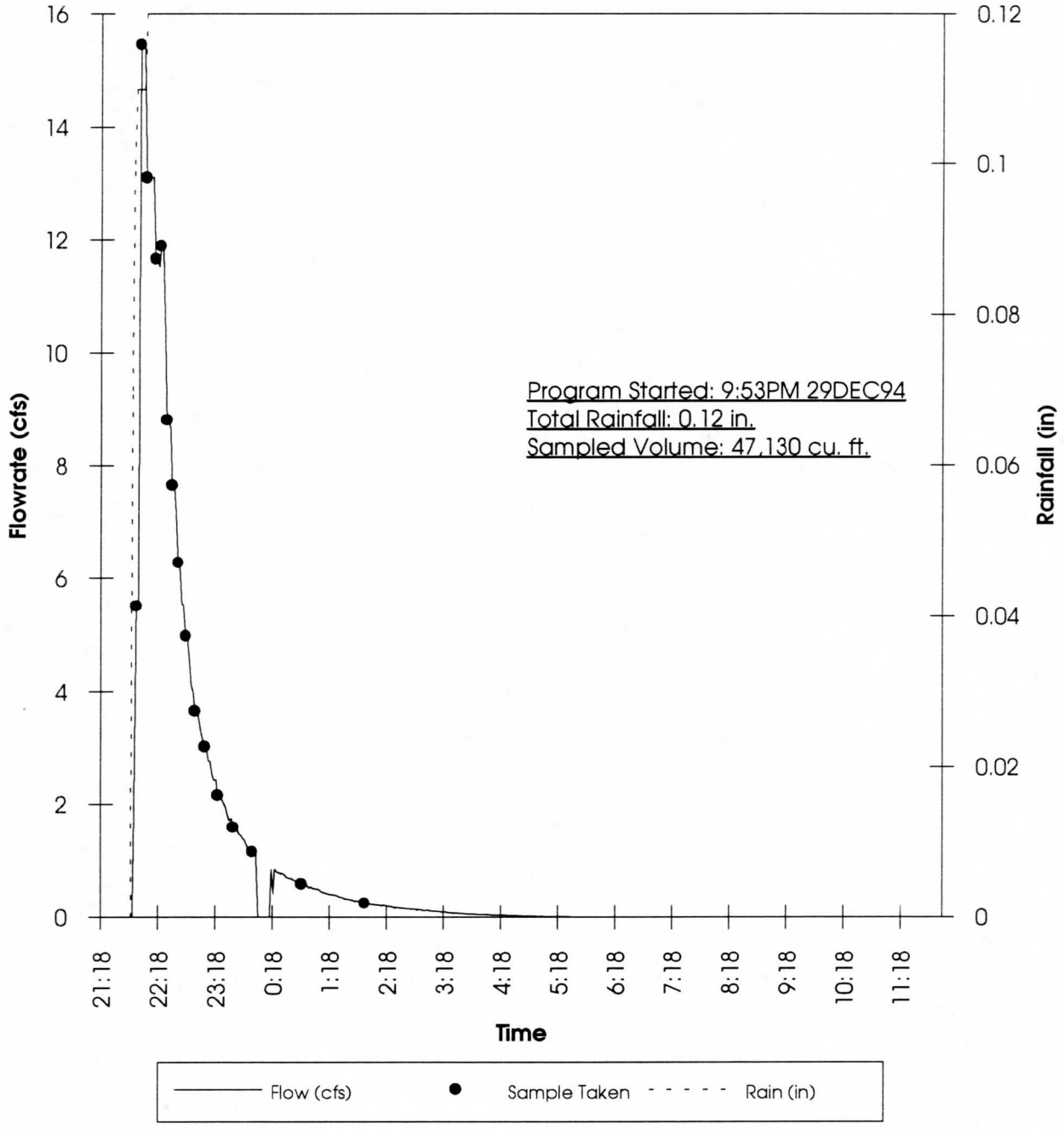
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 9:53 PM 29DEC94

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rainfall
28-Dec-94	0	0	0	0	0	0	0
29-Dec-94	0	15.456	0.494	42760	0.247	42760	0.12
30-Dec-94	0	1.16	0.051	4360	0.182	47130	0

Mesa 5: Dobson south of Broadway

12/29/94 Sorm Event



Mesa 5: Dobson south of Broadway: 1/4/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0005
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=71 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 3:42 AM 4JAN95
COLLECTED 4 SAMPLES IN BOTTLE 8
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 1500CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=030.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED:10:30 AM 31OCT94

	SAMPLE TAKEN					
001-01	3:43 AM	4-Jan-95 011-04	4:55 AM	4-Jan-95 020-06	9:21 AM	4-Jan-95
002-01	3:47 AM	4-Jan-95 012-04	5:05 AM	4-Jan-95 021-07	10:15 AM	4-Jan-95
003-02	3:52 AM	4-Jan-95 013-05	5:17 AM	4-Jan-95 022-07	10:51 AM	4-Jan-95
004-02	3:57 AM	4-Jan-95 014-05	5:31 AM	4-Jan-95 023-07	11:08 AM	4-Jan-95
005-03	4:03 AM	4-Jan-95 015-05	5:50 AM	4-Jan-95 024-07	11:24 AM	4-Jan-95
006-03	4:12 AM	4-Jan-95 016-05	6:33 AM	4-Jan-95 025-08	11:42 AM	4-Jan-95
007-03	4:21 AM	4-Jan-95 017-06	7:05 AM	4-Jan-95 026-08	11:59 AM	4-Jan-95
008-03	4:29 AM	4-Jan-95 018-06	7:57 AM	4-Jan-95 027-08	12:12 PM	4-Jan-95
009-04	4:37 AM	4-Jan-95 019-06	8:43 AM	4-Jan-95 028-08	12:23 PM	4-Jan-95
010-04	4:46 AM	4-Jan-95				

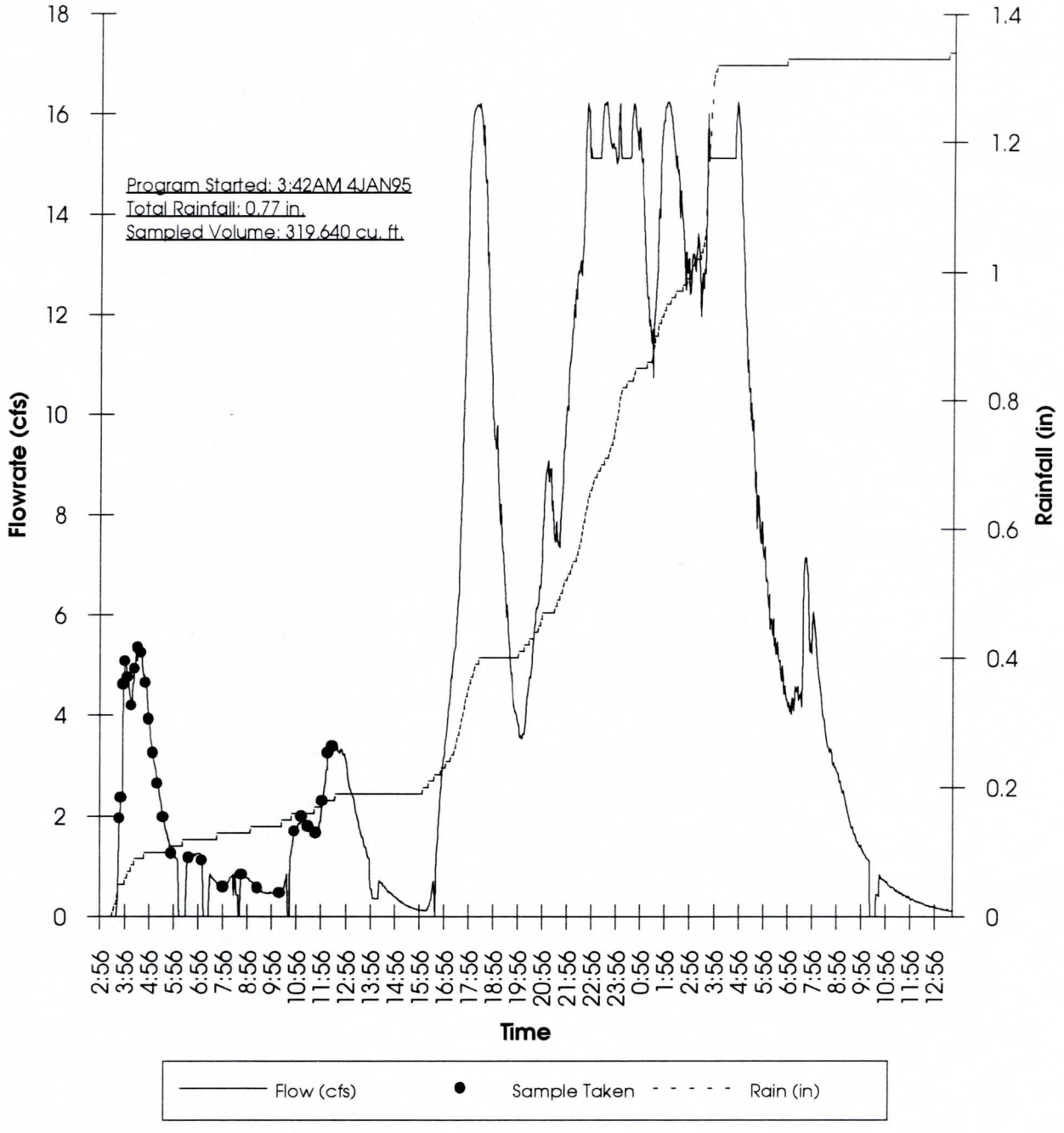
FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 3:42 AM 4JAN95

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Total Daily Volume	Cum Avg Flow Rate	Cumulative Total Volume	Rainfall
3-Jan-95	0	0	0	0	0	0	0
4-Jan-95	0	16.233	3.762	319640	1.881	319640	0.77
5-Jan-95	0	16.236	7.346	362300	3.703	681920	0.57

Mesa 5: Dobson south of Broadway

1/4/95 Storm Event



Mesa 5: Dobson south of Broadway: 1/25/95

SIGMA STREAMLINE REV: USW-1.03
SITE I.D.#: 0005
ADVANCED PROGRAM FEATURES: YES
NUMBER OF SAMPLE BOTTLES= 8
SAMPLE BOTTLE VOLUME= 1900 ML
INTAKE TUBING LENGTH=71 FEET
DIAMETER= 3/8 IN.
PROGRAM LOCK: ENABLED
INTERNAL FLOMTR: ENABLED
SENSOR POSITION: VERTICAL
PROGRAM STARTED: 1:11 PM 25JAN95
PROGRAM COMPLETE
- PROGRAM REVIEW-
LEVEL CONTROL: STORMWATER
START ON RAIN AND LEVEL
TOTAL RAINFALL=0.05 IN.; TIME LIMIT= 90 MIN CHANNEL LEVEL= 0.1 IN.

FIRST FLUSH:
PERIOD= 20 MIN; FIRST FLUSH BOTTLES= 2
2 SAMP/BOTTLE
SAMPLE VOLUME= 950 ML
INTV= 1 MINUTES

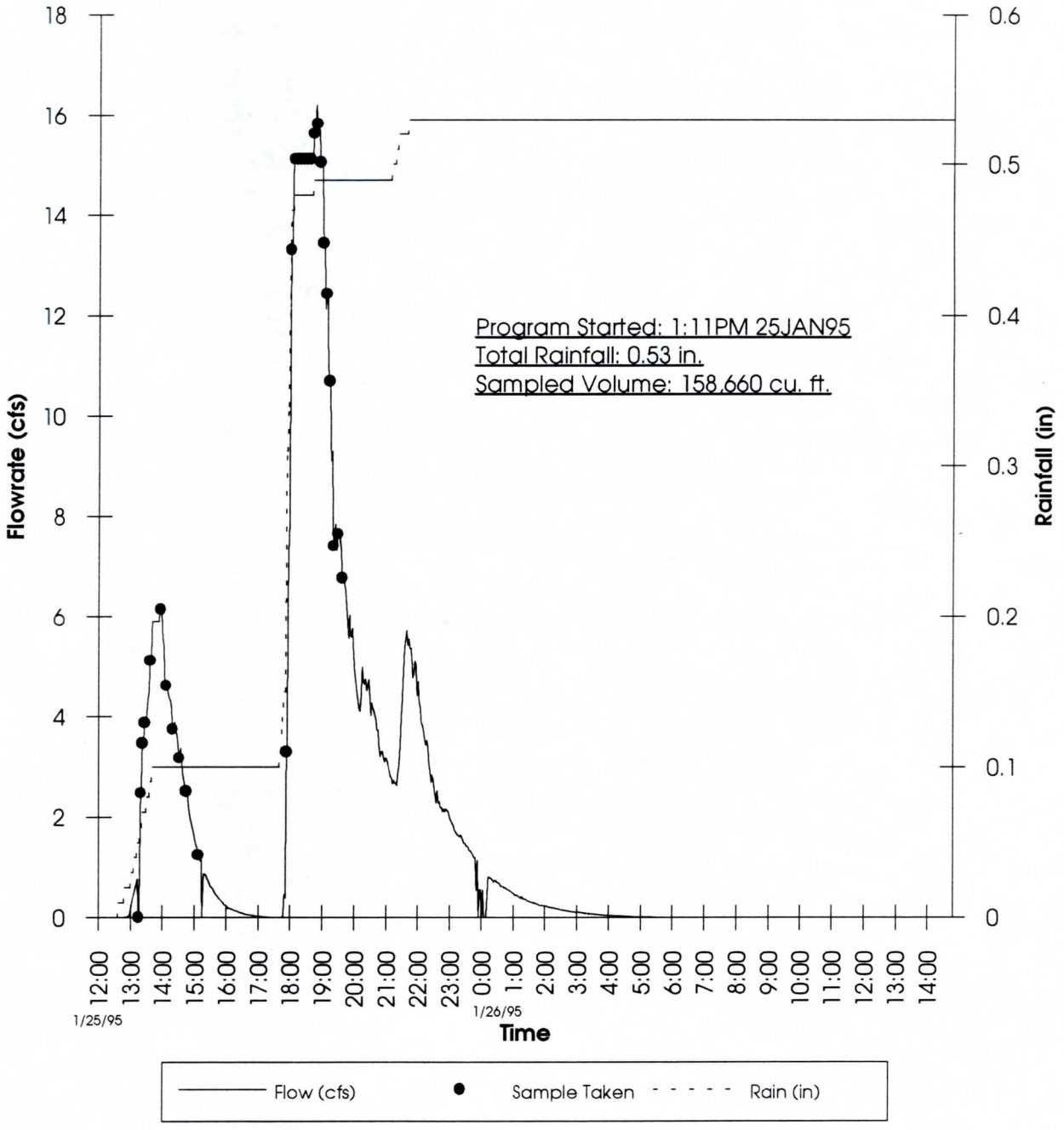
MAIN PROGRAM:
FLOW MODE,SAMPLE INTV= 2000CU FT
DISCRETE MODE, 4 SAMP/BOTTLE
SAMPLE VOLUME= 450 ML
1 INTAKE RINSE
2 INTAKE FAULTS
SPECIAL OUTPUT: EVENT OUTPUT
SAMPLE TIME LIMIT: 2880 MIN
MANNING FORMULA: I.D.=030.00 IN., ROUGHNESS=.013, SLOPE=0.14/100FT
FLOW RECORDING INTV= 2 MIN
SENSOR LAST CALIBRATED: 10:30 AM 31OCT94

		SAMPLE TAKEN				
001-01	1:12 PM	25-Jan-95 011-04	3:05 PM	25-Jan-95 020-06	6:41 PM	25-Jan-95
002-01	1:16 PM	25-Jan-95 012-04	5:51 PM	25-Jan-95 021-07	6:47 PM	25-Jan-95
003-02	1:20 PM	25-Jan-95 013-05	5:59 PM	25-Jan-95 022-07	6:53 PM	25-Jan-95
004-02	1:24 PM	25-Jan-95 014-05	6:05 PM	25-Jan-95 023-07	6:59 PM	25-Jan-95
005-03	1:34 PM	25-Jan-95 015-05	6:11 PM	25-Jan-95 024-07	7:05 PM	25-Jan-95
006-03	1:55 PM	25-Jan-95 016-05	6:17 PM	25-Jan-95 025-08	7:11 PM	25-Jan-95
007-03	2:05 PM	25-Jan-95 017-06	6:23 PM	25-Jan-95 026-08	7:18 PM	25-Jan-95
008-03	2:16 PM	25-Jan-95 018-06	6:29 PM	25-Jan-95 027-08	7:26 PM	25-Jan-95
009-04	2:28 PM	25-Jan-95 019-06	6:35 PM	25-Jan-95 028-08	7:34 PM	25-Jan-95
010-04	2:43 PM	25-Jan-95				

FLOW RATE UNITS: CFS VOLUME UNITS: CU FT

PROGRAM STARTED: 1:11 PM 25JAN95

Day	Min Daily Flow Rate	Max Daily Flow Rate	Avg Daily Flow Rate	Daily Flow Total	Cum Avg Flow Rate	Cumulative Daily Total Flow	Rain
23-Jan-95	0	0	0	0	0	10	0
24-Jan-95	0	0.018	0	0	0	10	0
25-Jan-95	0	16.206	1.843	158660	0.307	158670	0.53
26-Jan-95	0	0.819	0.071	4210	0.273	162880	0

Mesa 5: Dobson south of Broadway

1/25/95 Storm Event