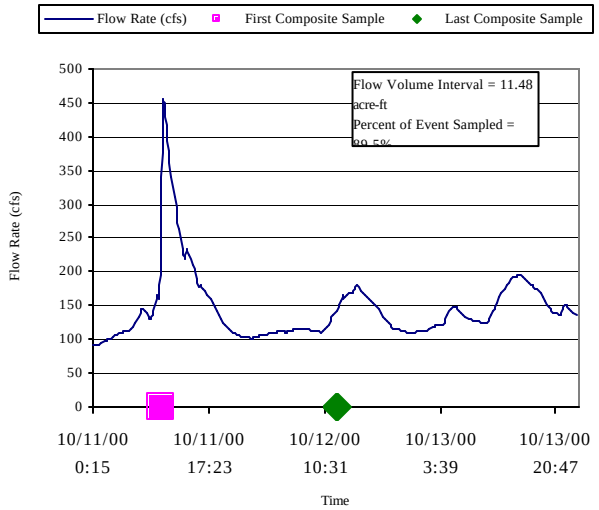
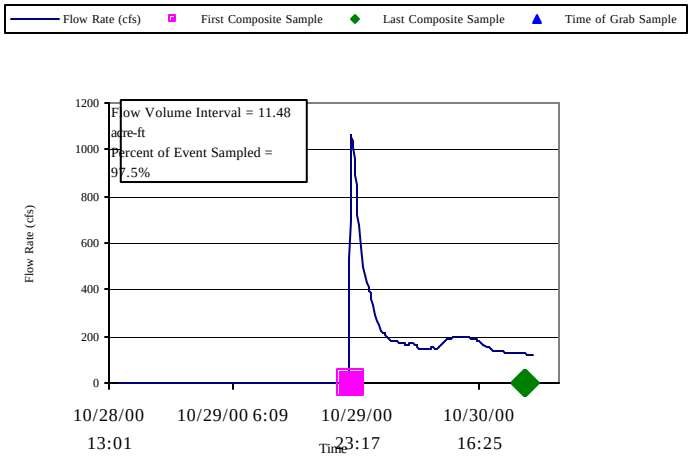
Appendix A

Hydrographs Of Monitored Stations And Rainfall Contour Maps

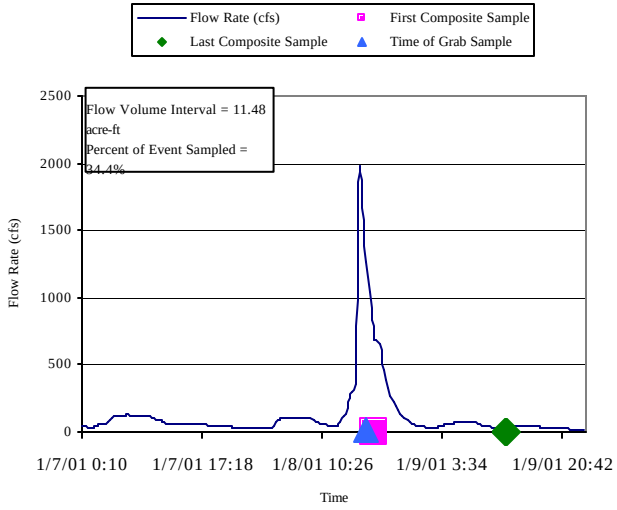
Ballona Creek, Storm 1 (10/12/2000)



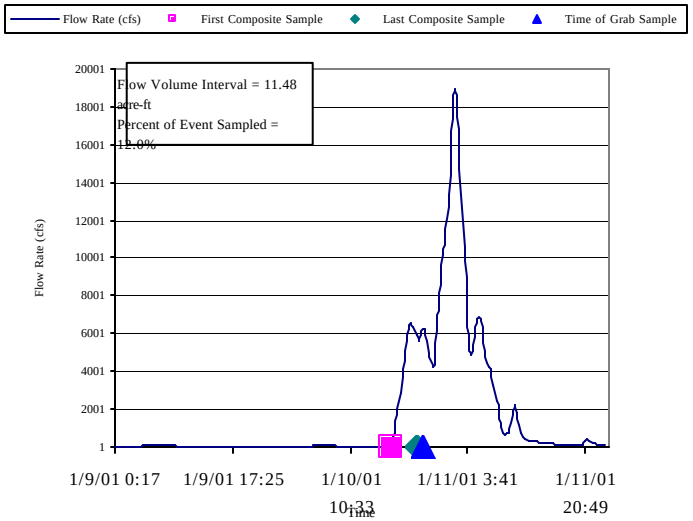
Ballona Creek, Storm 3 (10/29/2000)



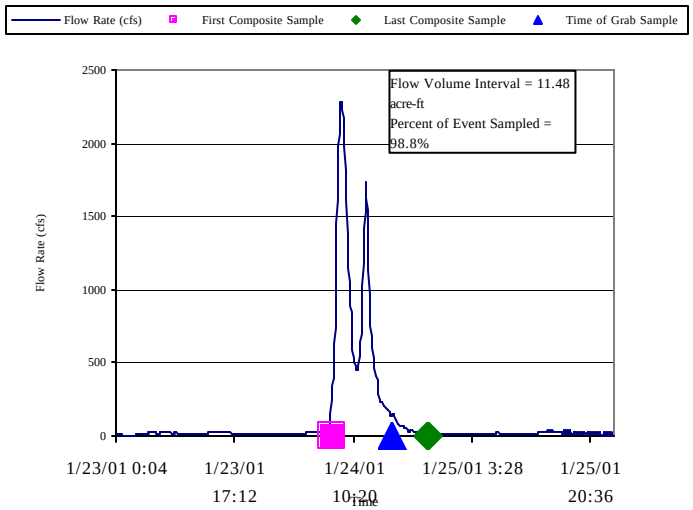
Ballona Creek, Storm 4 (1/8/2001)



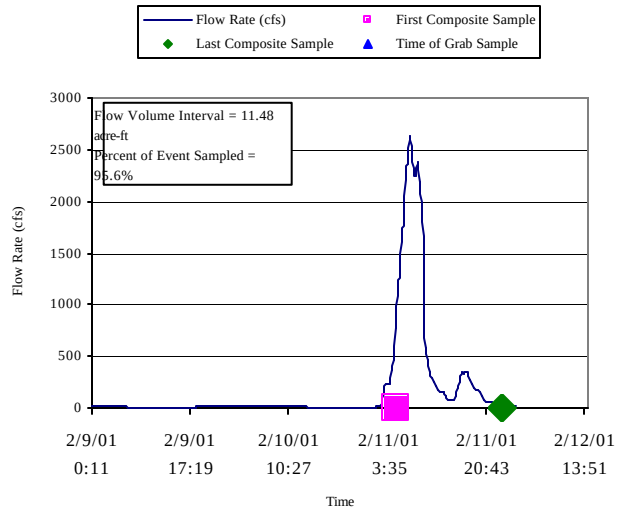
Ballona Creek, Storm 5 (1/10/2001)



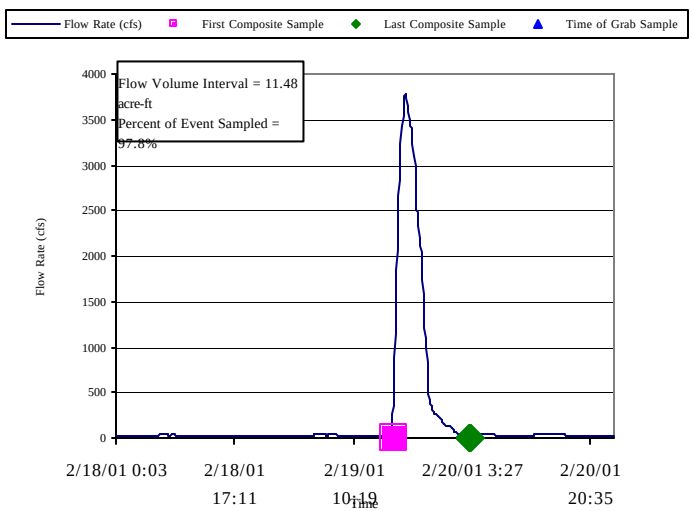
Ballona Creek, Storm 6 (1/24/2001)



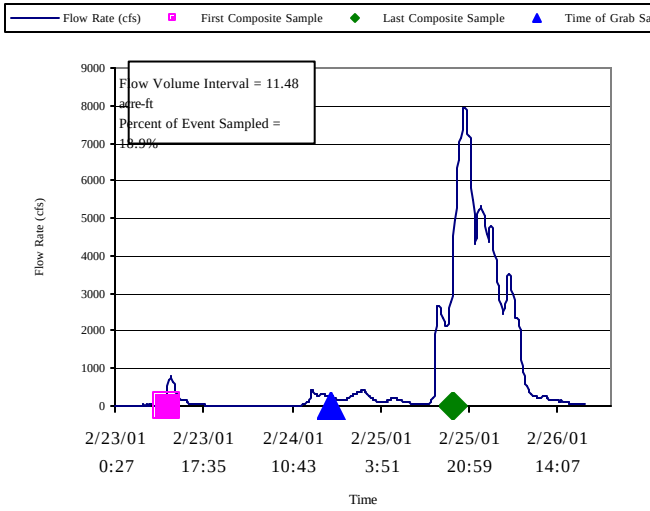
Ballona Creek, Storm 8 (2/10/2001)

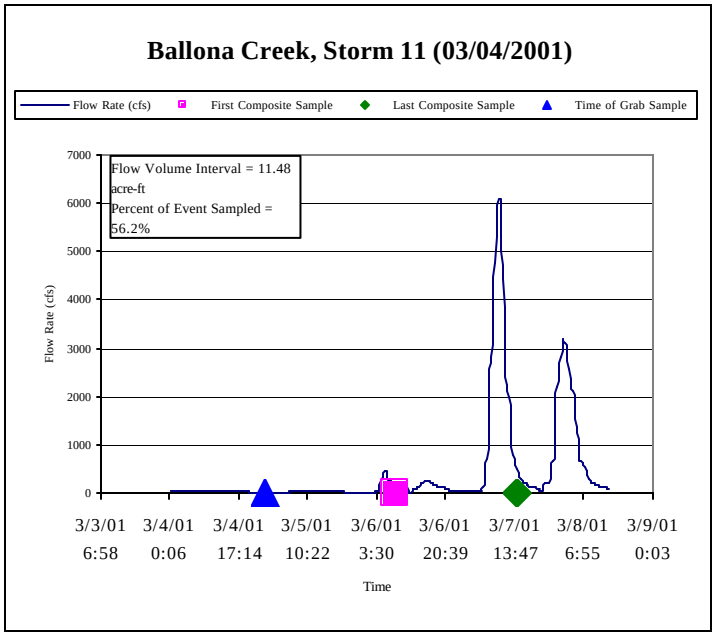


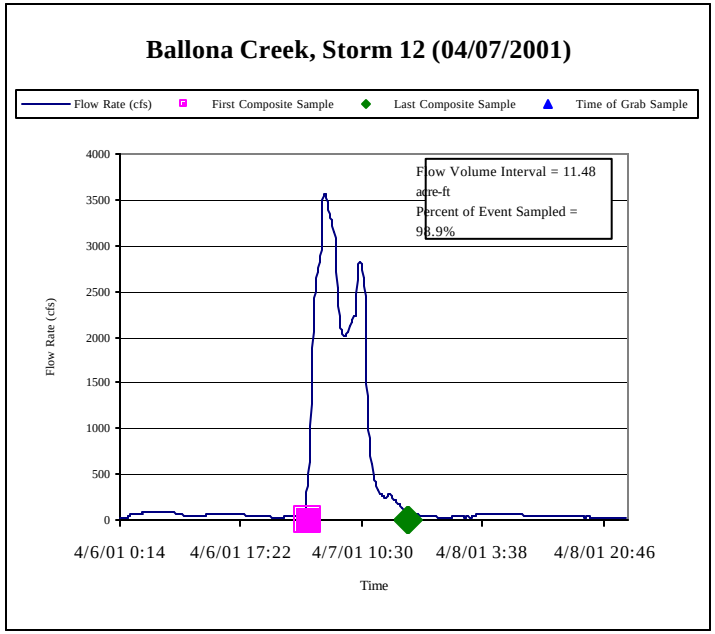
Ballona Creek, Storm 9 (2/19/2001)



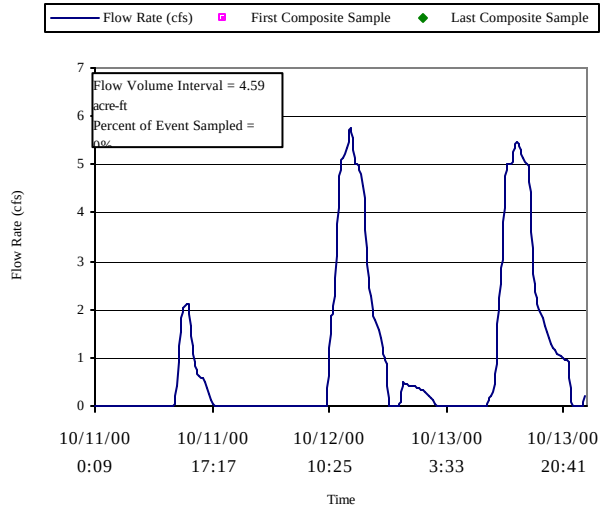
Ballona Creek, Storm 10 (2/24/2001)



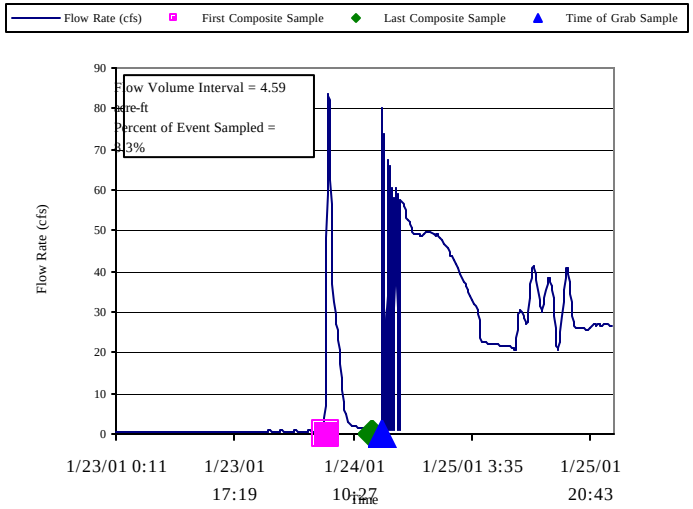

Ballona Creek, Storm 11 (03/04/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 11.48 acre-ft
Percent of Event Sampled = 56.2%
Flow Rate (cfs)
7000
6000
5000
4000
3000
2000
1000
0
3/3/01 6:58
3/4/01 0:06
3/4/01 17:14
3/5/01 10:22
3/6/01 3:30
3/6/01 20:39
3/7/01 13:47
3/8/01 6:55
3/9/01 0:03
Time


Ballona Creek, Storm 12 (04/07/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 11.48 acre-ft
Percent of Event Sampled = 98.9%
Flow Rate (cfs)
4000
3500
3000
2500
2000
1500
1000
500
0
4/6/01 0:14
4/6/01 17:22
4/7/01 10:30
4/8/01 3:38
4/8/01 20:46
Time

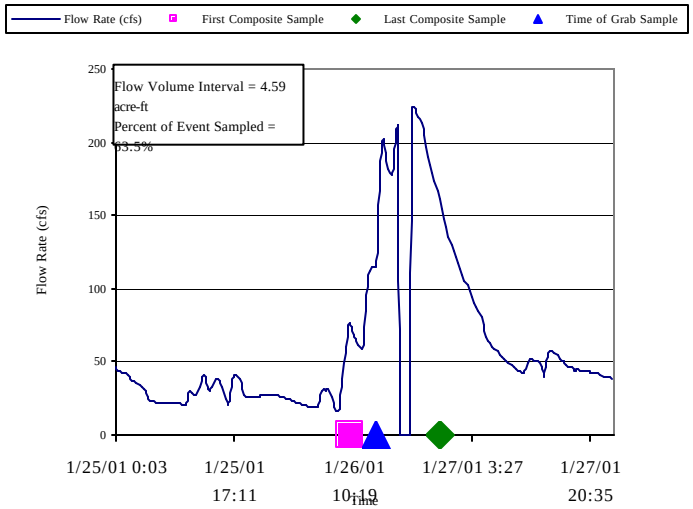
Malibu Creek, Storm 1 (10/12/2000)



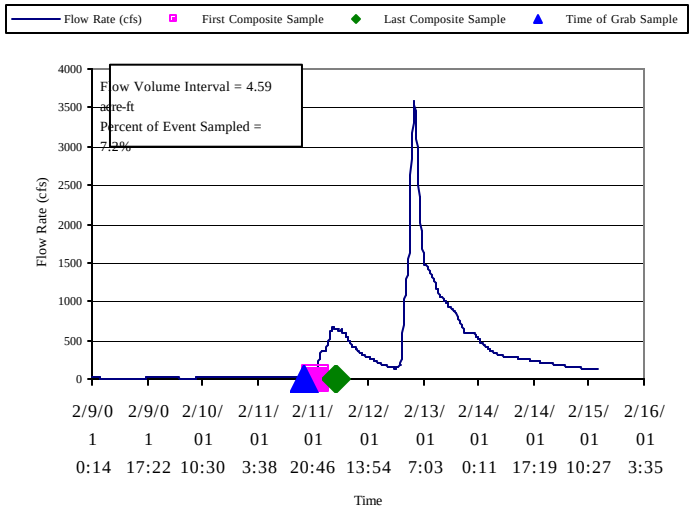
Malibu Creek, Storm 6 (1/24/2001)

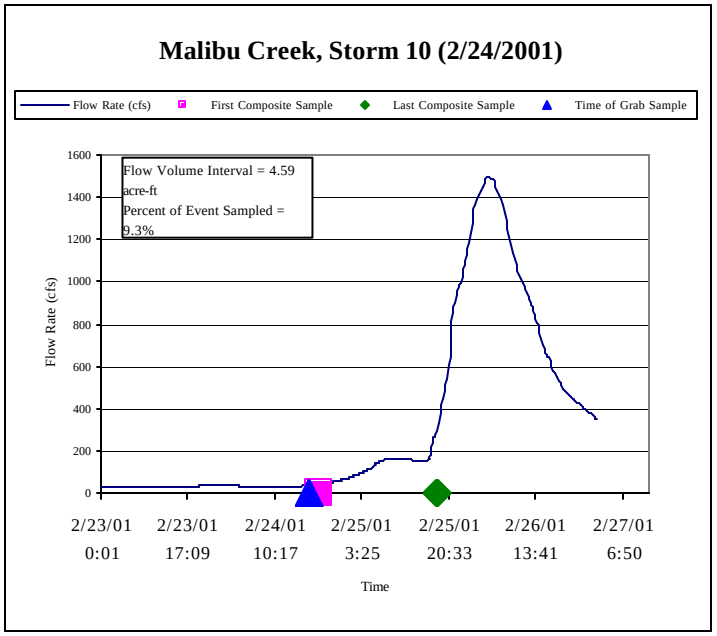


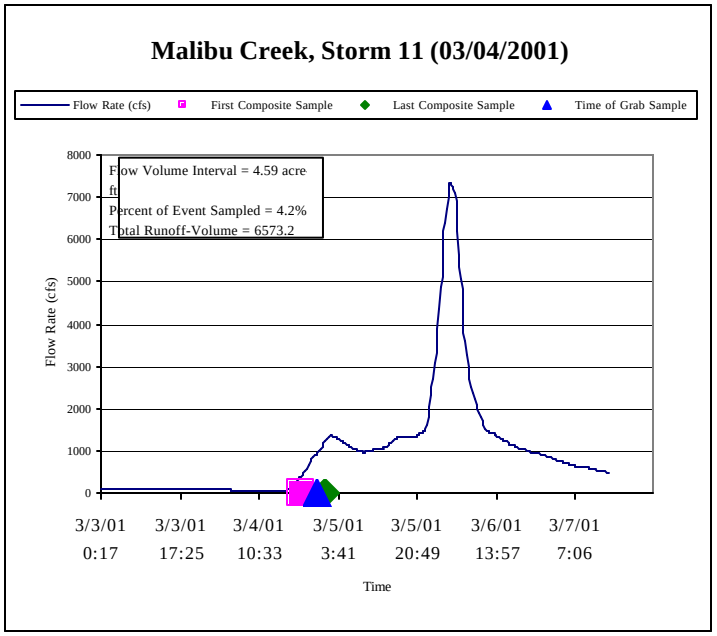
Malibu Creek, Storm 7 (1/26/2001)

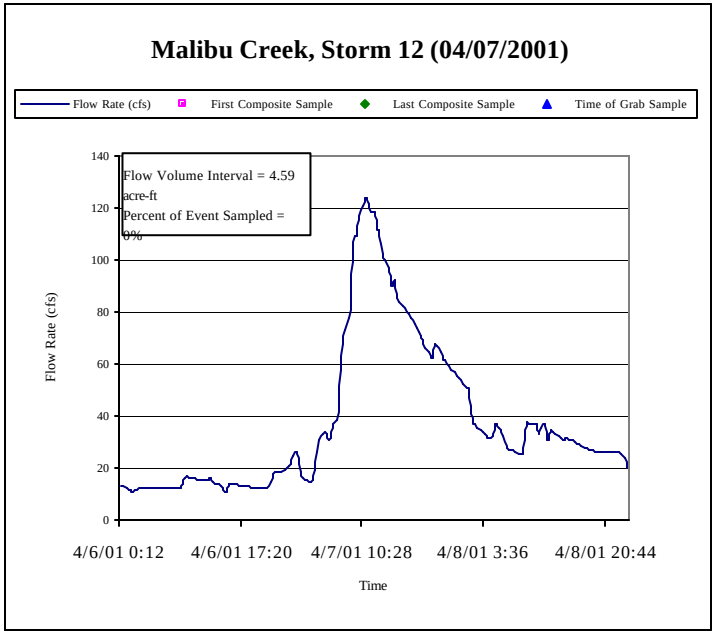


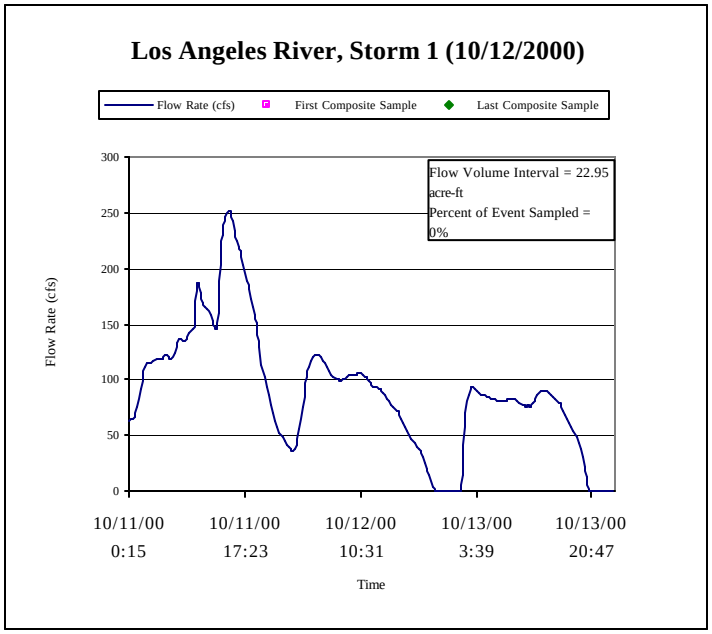
Malibu Creek, Storm 8 (2/10/2001)

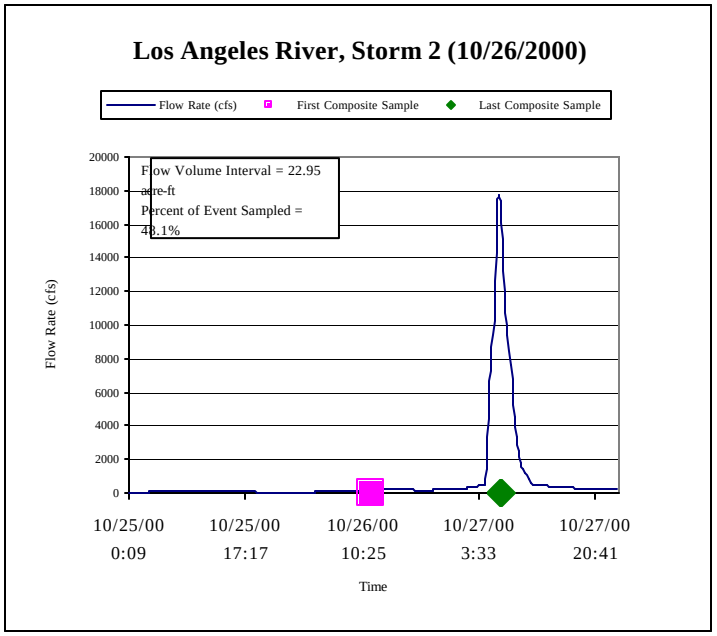


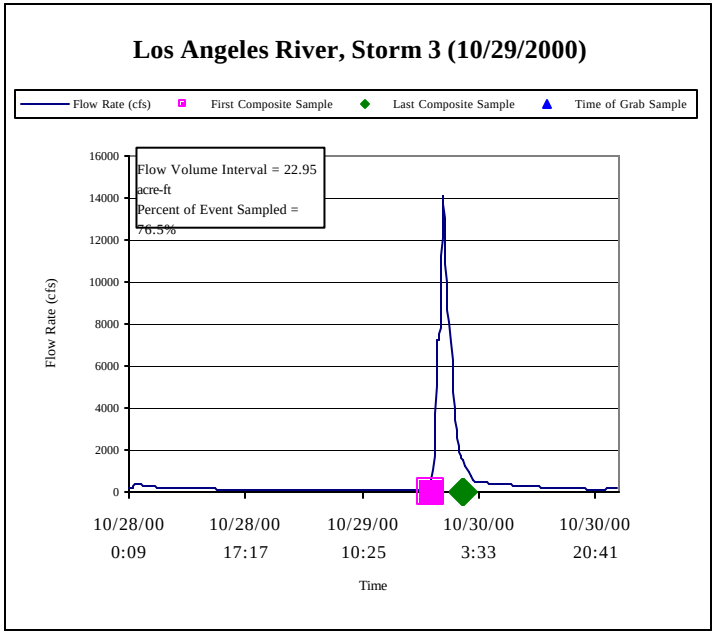

Malibu Creek, Storm 10 (2/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 9.3%
Flow Rate (cfs)
1600
1400
1200
1000
800
600
400
200
0
2/23/01 0:01
2/23/01 17:09
2/24/01 10:17
2/25/01 3:25
2/25/01 20:33
2/26/01 13:41
2/27/01 6:50
Time

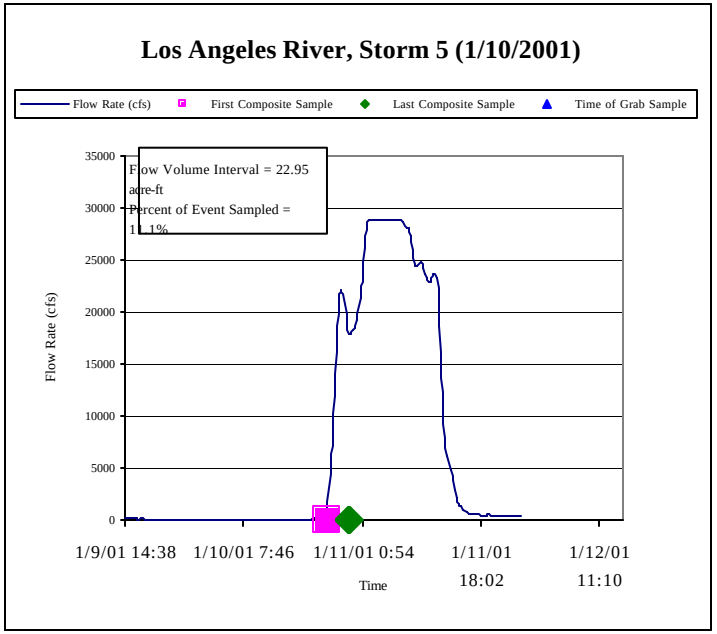

Malibu Creek, Storm 11 (03/04/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre ft
Percent of Event Sampled = 4.2%
Total Runoff-Volume = 6573.2
Flow Rate (cfs)
8000
7000
6000
5000
4000
3000
2000
1000
0
3/3/01 0:17
3/3/01 17:25
3/4/01 10:33
3/5/01 3:41
3/5/01 20:49
3/6/01 13:57
3/7/01 7:06
Time

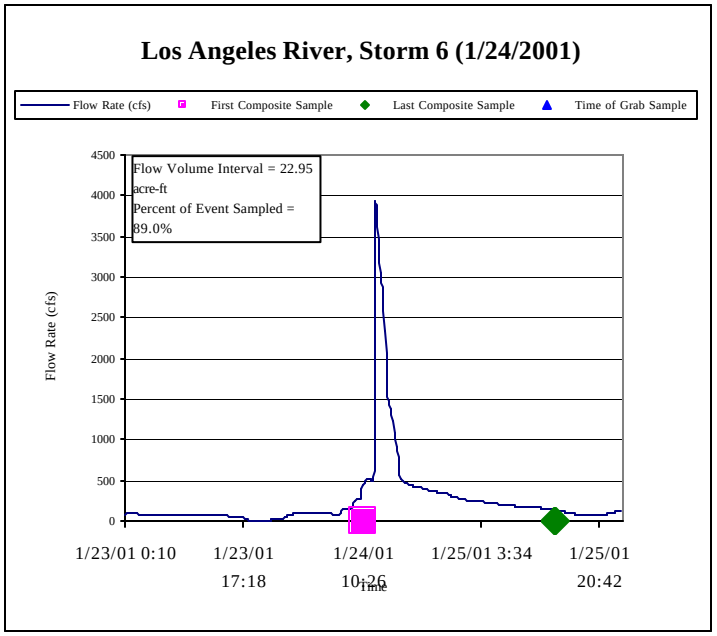

Malibu Creek, Storm 12 (04/07/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 9%
Flow Rate (cfs)
140
120
100
80
60
40
20
0
4/6/01 0:12
4/6/01 17:20
4/7/01 10:28
4/8/01 3:36
4/8/01 20:44
Time

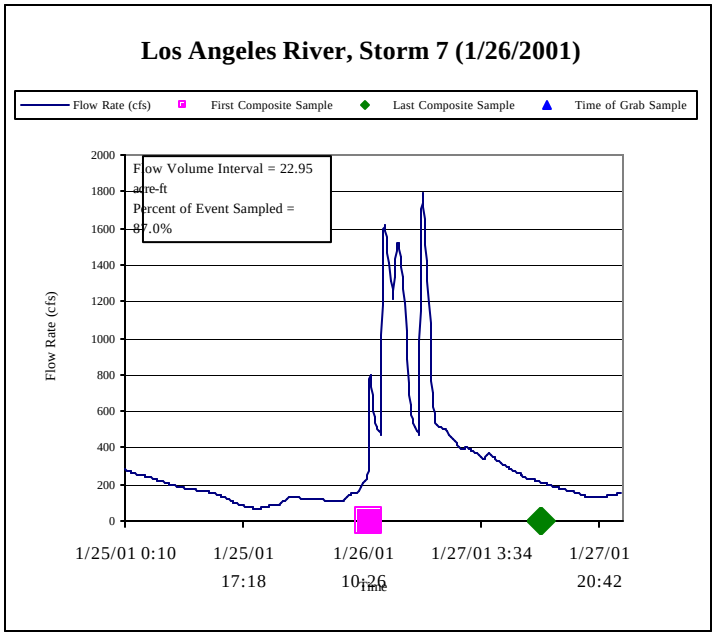

Los Angeles River, Storm 1 (10/12/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 22.95 acre-ft
Percent of Event Sampled = 0%
Flow Rate (cfs)
300
250
200
150
100
50
0
10/11/00 0:15
10/11/00 17:23
10/12/00 10:31
10/13/00 3:39
10/13/00 20:47
Time

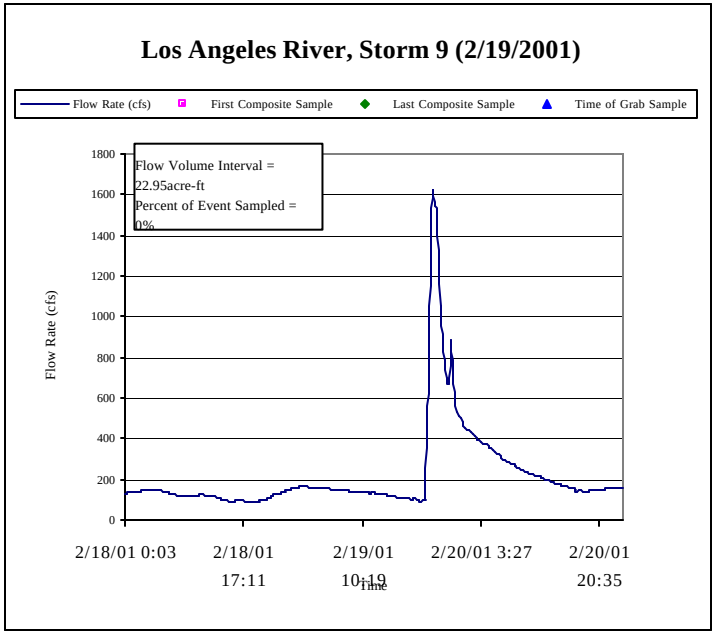

Los Angeles River, Storm 2 (10/26/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 22.95 acre-ft
Percent of Event Sampled = 48.1%
Flow Rate (cfs)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
10/25/00 0:09
10/25/00 17:17
10/26/00 10:25
10/27/00 3:33
10/27/00 20:41
Time

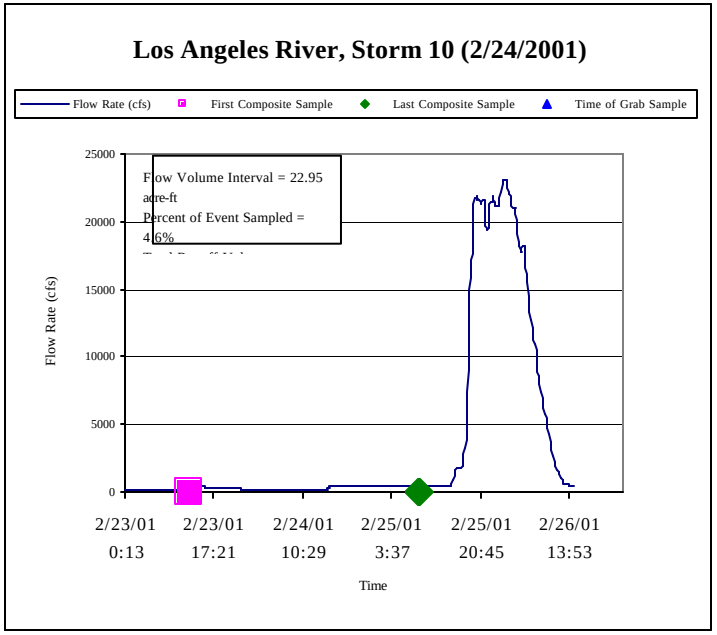

Los Angeles River, Storm 3 (10/29/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 22.95 acre-ft
Percent of Event Sampled = 76.5%
Flow Rate (cfs)
16000
14000
12000
10000
8000
6000
4000
2000
0
10/28/00 0:09
10/28/00 17:17
10/29/00 10:25
10/30/00 3:33
10/30/00 20:41
Time

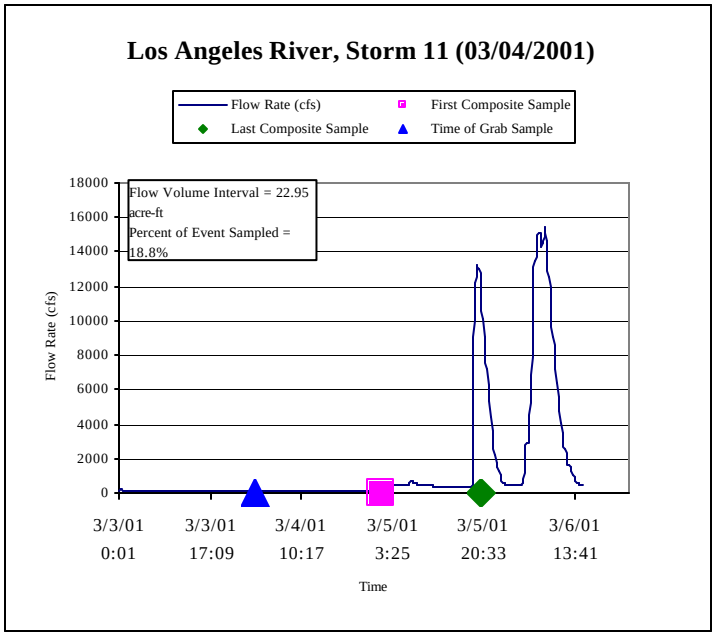

Los Angeles River, Storm 5 (1/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 22.95 acre-ft
Percent of Event Sampled = 11.1%
Flow Rate (cfs)
35000
30000
25000
20000
15000
10000
5000
0
1/9/01 14:38
1/10/01 7:46
1/11/01 0:54
1/11/01 18:02
1/12/01 11:10
Time

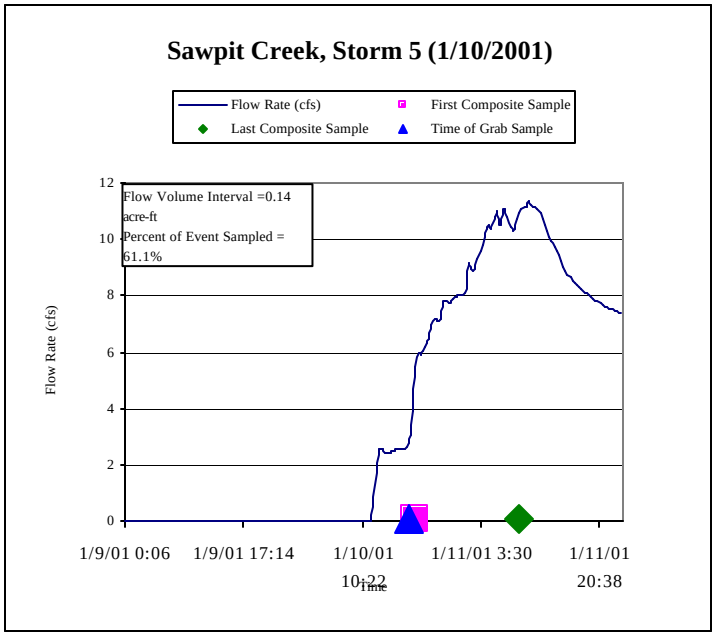

Los Angeles River, Storm 6 (1/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 22.95 acre-ft
Percent of Event Sampled = 89.0%
Flow Rate (cfs)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1/23/01 0:10
1/23/01 17:18
1/24/01 10:26
1/25/01 3:34
1/25/01 20:42
Time

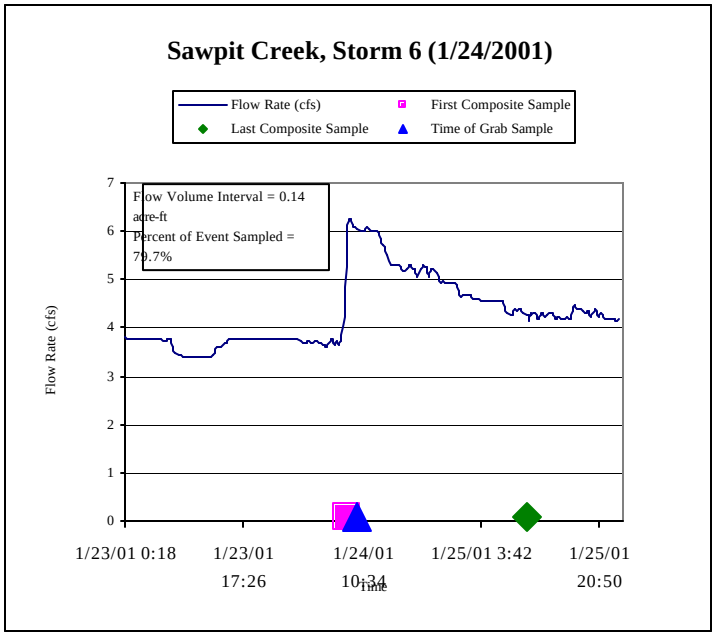

Los Angeles River, Storm 7 (1/26/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 22.95 acre-ft
Percent of Event Sampled = 87.0%
Flow Rate (cfs)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
1/25/01 0:10
1/25/01 17:18
1/26/01 10:26
1/27/01 3:34
1/27/01 20:42
Time

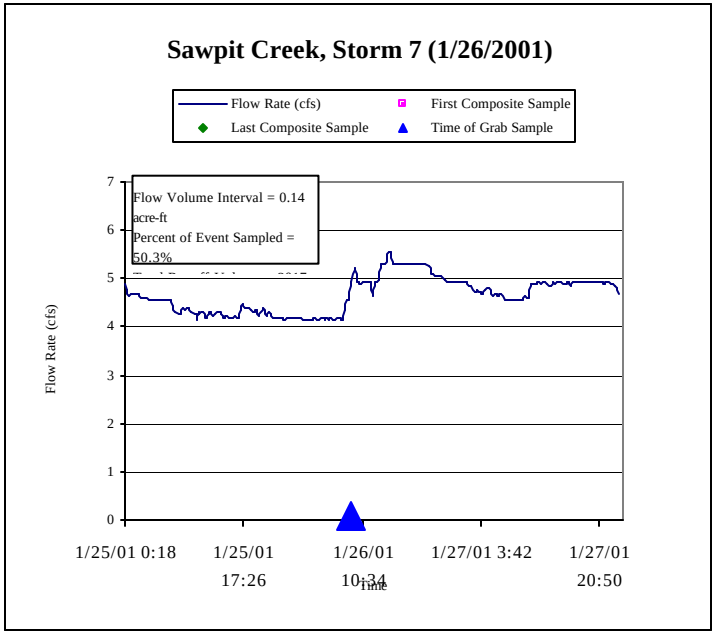

Los Angeles River, Storm 9 (2/19/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 22.95acre-ft
Percent of Event Sampled = 0%
Flow Rate (cfs)
1800
1600
1400
1200
1000
800
600
400
200
0
2/18/01 0:03
2/18/01 17:11
2/19/01 10:19
2/20/01 3:27
2/20/01 20:35
Time

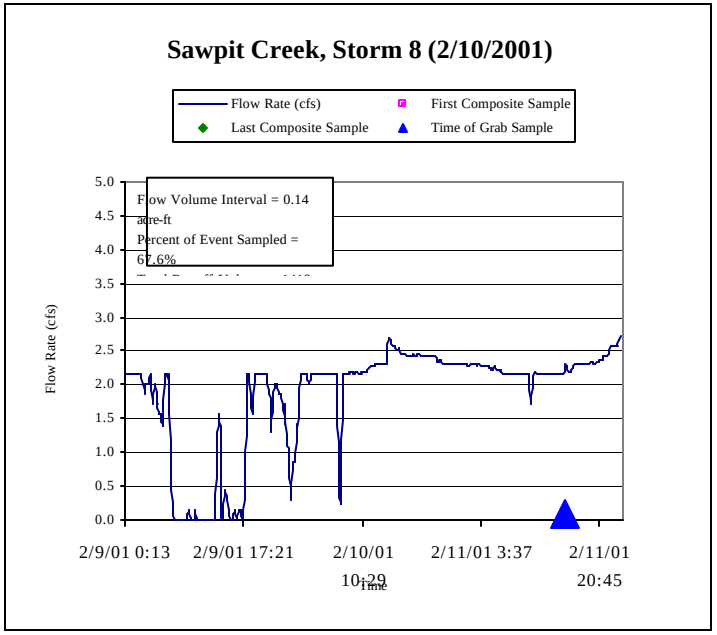

Los Angeles River, Storm 10 (2/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 22.95 acre-ft
Percent of Event Sampled = 4.6%
Flow Rate (cfs)
25000
20000
15000
10000
5000
0
2/23/01 0:13
2/23/01 17:21
2/24/01 10:29
2/25/01 3:37
2/25/01 20:45
2/26/01 13:53
Time

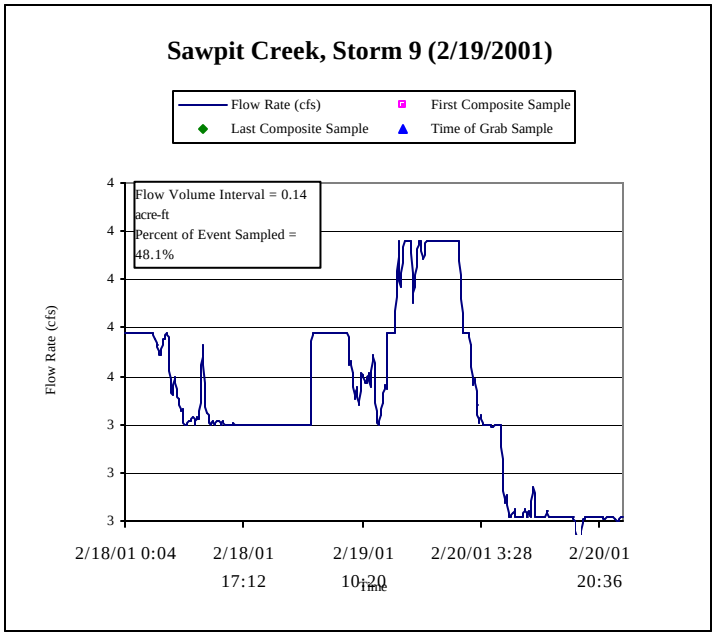

Los Angeles River, Storm 11 (03/04/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 22.95 acre-ft
Percent of Event Sampled = 18.8%
Flow Rate (cfs)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
3/3/01 0:01
3/3/01 17:09
3/4/01 10:17
3/5/01 3:25
3/5/01 20:33
3/6/01 13:41
Time

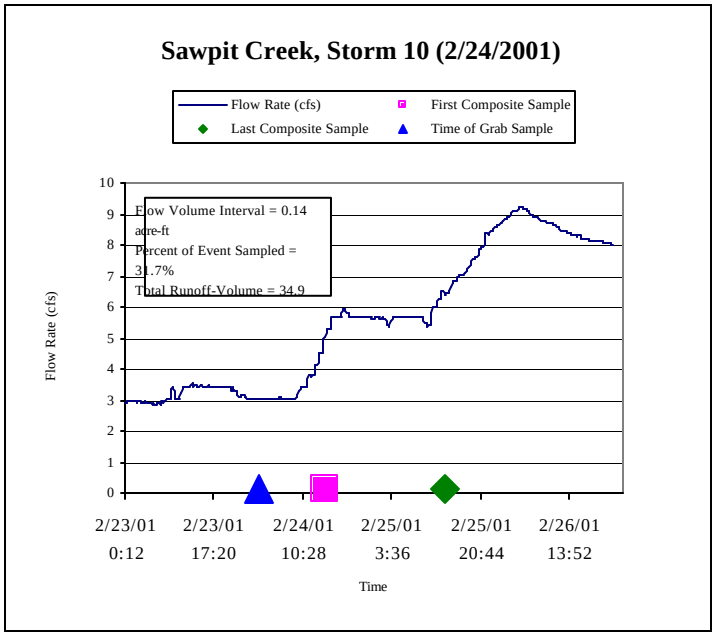

Sawpit Creek, Storm 5 (1/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =0.14 acre-ft
Percent of Event Sampled = 61.1%
Flow Rate (cfs)
0
2
4
6
8
10
12
1/9/01 0:06
1/9/01 17:14
1/10/01 10:22
1/11/01 3:30
1/11/01 20:38
Time

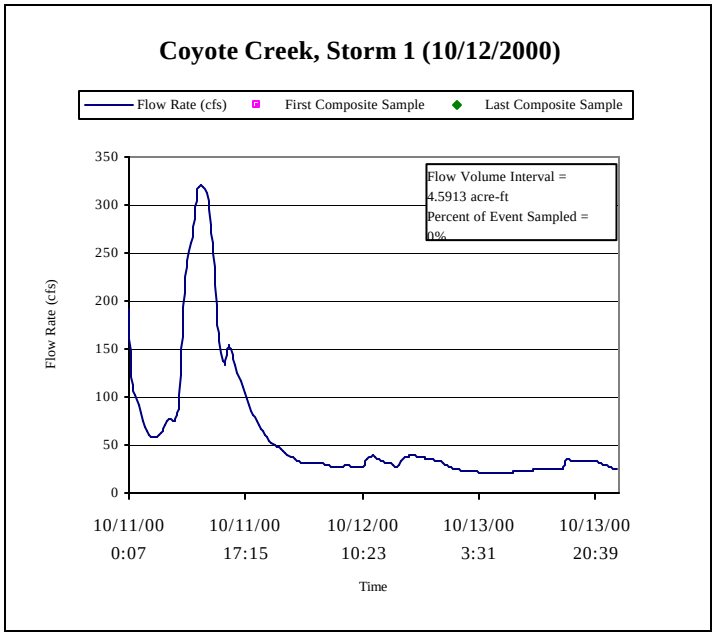

Sawpit Creek, Storm 6 (1/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.14 acre-ft
Percent of Event Sampled = 79.7%
Flow Rate (cfs)
0
1
2
3
4
5
6
7
1/23/01 0:18
1/23/01 17:26
1/24/01 10:34
1/25/01 3:42
1/25/01 20:50
Time

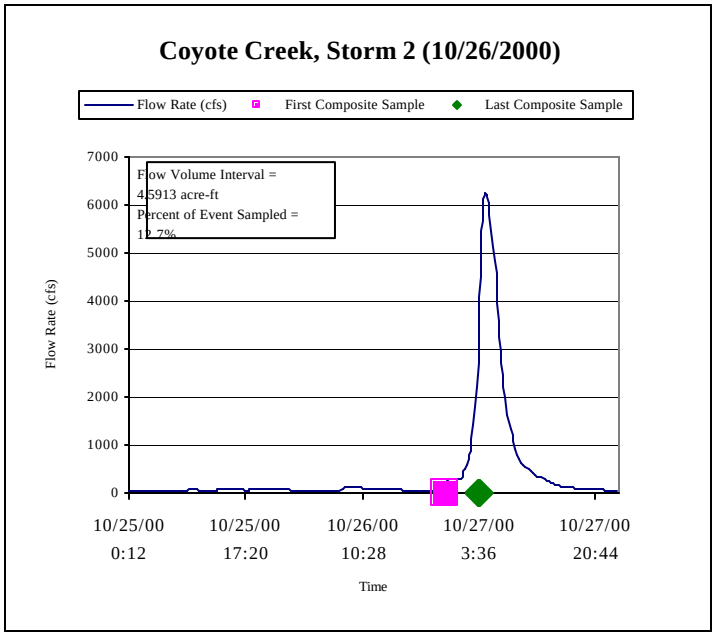

Sawpit Creek, Storm 7 (1/26/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.14 acre-ft
Percent of Event Sampled = 50.3%
Flow Rate (cfs)
0
1
2
3
4
5
6
7
1/25/01 0:18
1/25/01 17:26
1/26/01 10:34
1/27/01 3:42
1/27/01 20:50
Time

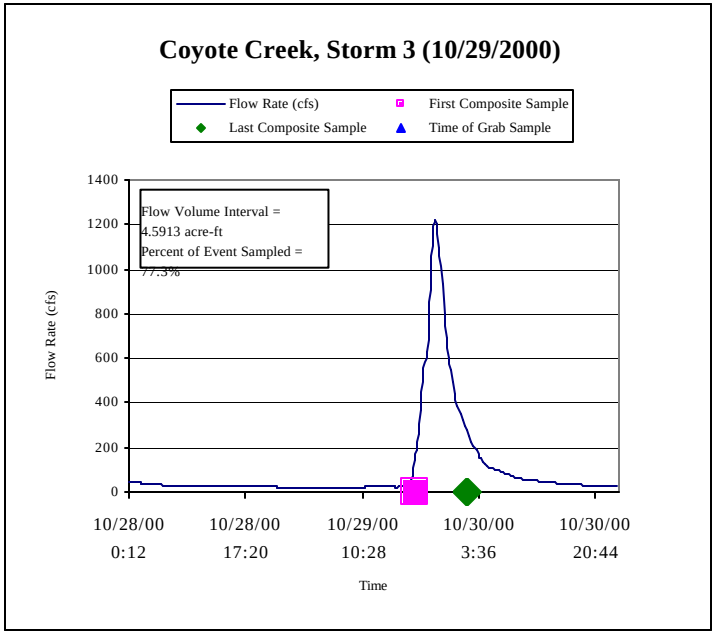

Sawpit Creek, Storm 8 (2/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.14 acre-ft
Percent of Event Sampled = 67.6%
Flow Rate (cfs)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
2/9/01 0:13
2/9/01 17:21
2/10/01 10:29
2/11/01 3:37
2/11/01 20:45
Time

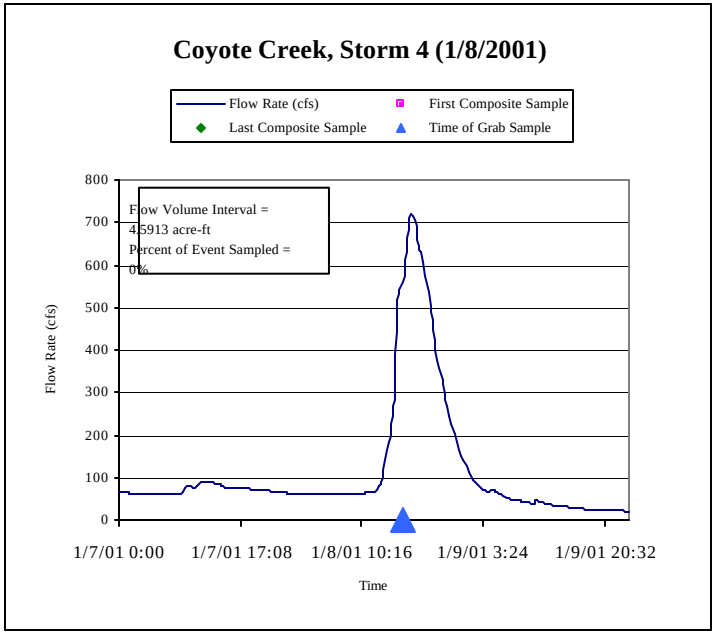

Sawpit Creek, Storm 9 (2/19/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.14 acre-ft
Percent of Event Sampled = 48.1%
Flow Rate (cfs)
4
4
4
4
4
3
3
3
2/18/01 0:04
2/18/01 17:12
2/19/01 10:20
2/20/01 3:28
2/20/01 20:36
Time

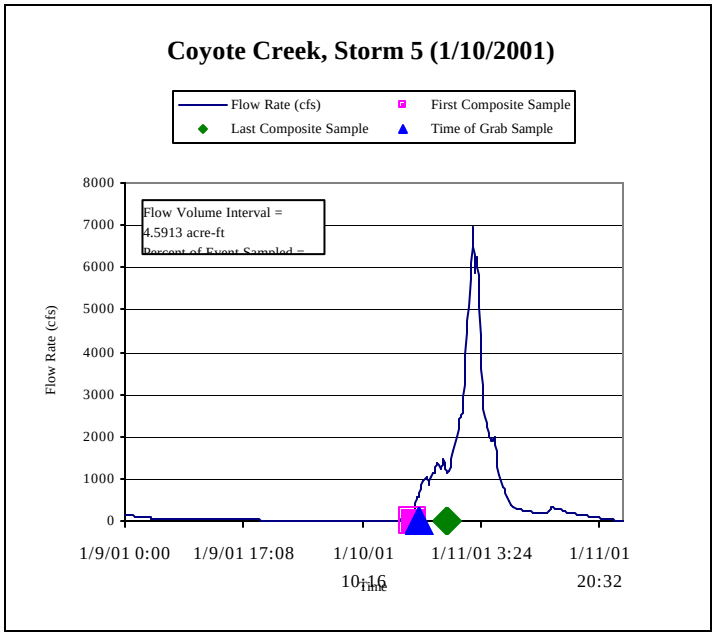

Sawpit Creek, Storm 10 (2/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.14 acre-ft
Percent of Event Sampled = 31.7%
Total Runoff-Volume = 34.9
Flow Rate (cfs)
10
9
8
7
6
5
4
3
2
1
0
2/23/01 0:12
2/23/01 17:20
2/24/01 10:28
2/25/01 3:36
2/25/01 20:44
2/26/01 13:52
Time

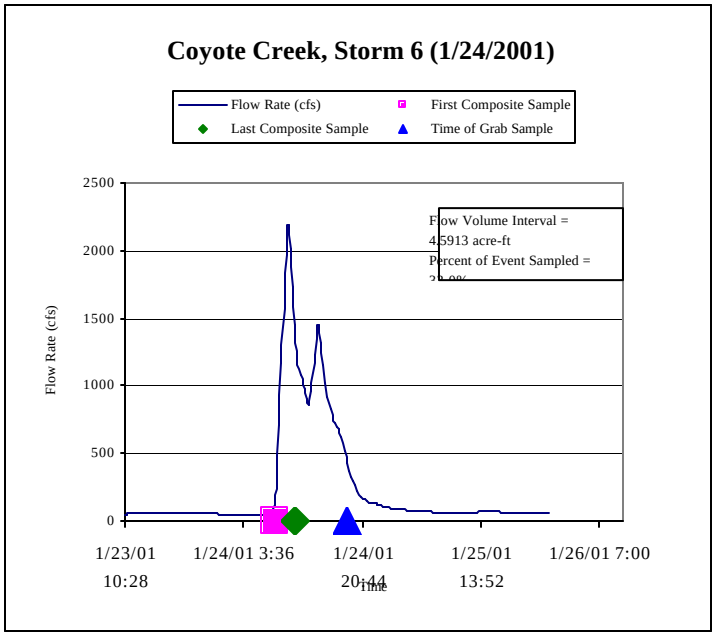

Coyote Creek, Storm 1 (10/12/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
0%
Flow Rate (cfs)
350
300
250
200
150
100
50
0
10/11/00 0:07
10/11/00 17:15
10/12/00 10:23
10/13/00 3:31
10/13/00 20:39
Time

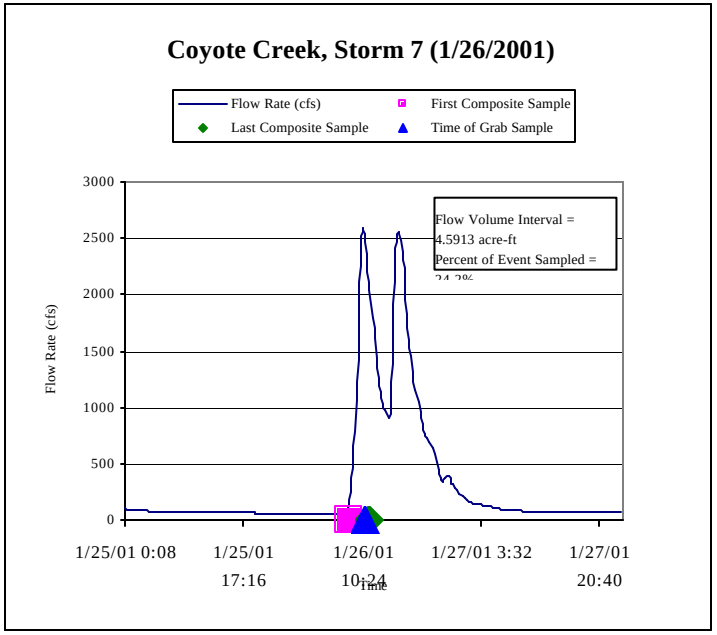

Coyote Creek, Storm 2 (10/26/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
12.7%
Flow Rate (cfs)
7000
6000
5000
4000
3000
2000
1000
0
10/25/00 0:12
10/25/00 17:20
10/26/00 10:28
10/27/00 3:36
10/27/00 20:44
Time

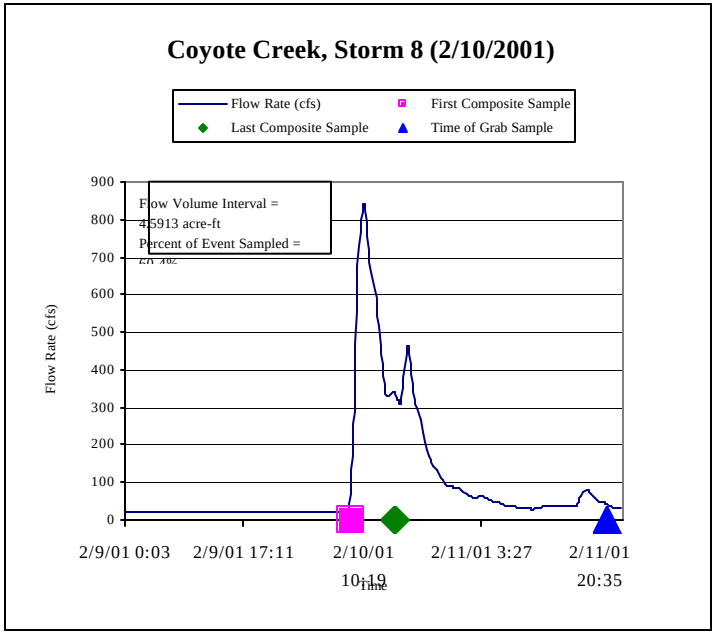

Coyote Creek, Storm 3 (10/29/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
77.3%
Flow Rate (cfs)
1400
1200
1000
800
600
400
200
0
10/28/00 0:12
10/28/00 17:20
10/29/00 10:28
10/30/00 3:36
10/30/00 20:44
Time

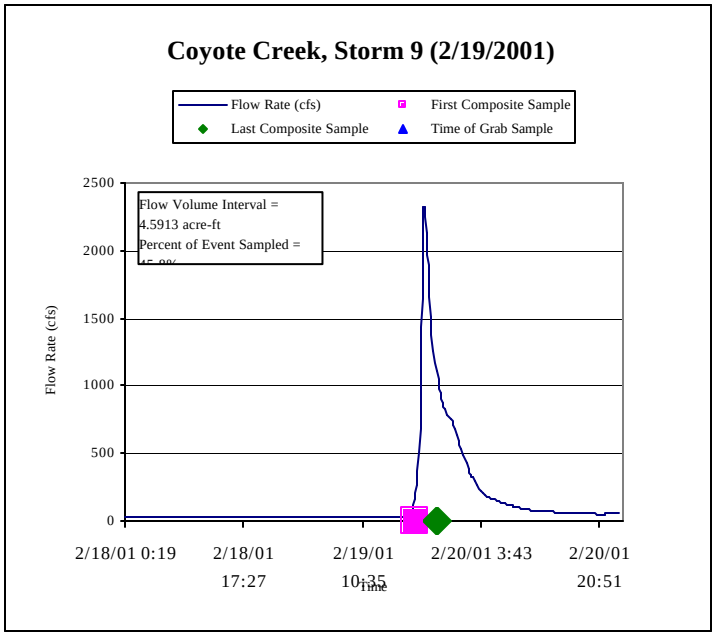

Coyote Creek, Storm 4 (1/8/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
0%
Flow Rate (cfs)
800
700
600
500
400
300
200
100
0
1/7/01 0:00
1/7/01 17:08
1/8/01 10:16
1/9/01 3:24
1/9/01 20:32
Time

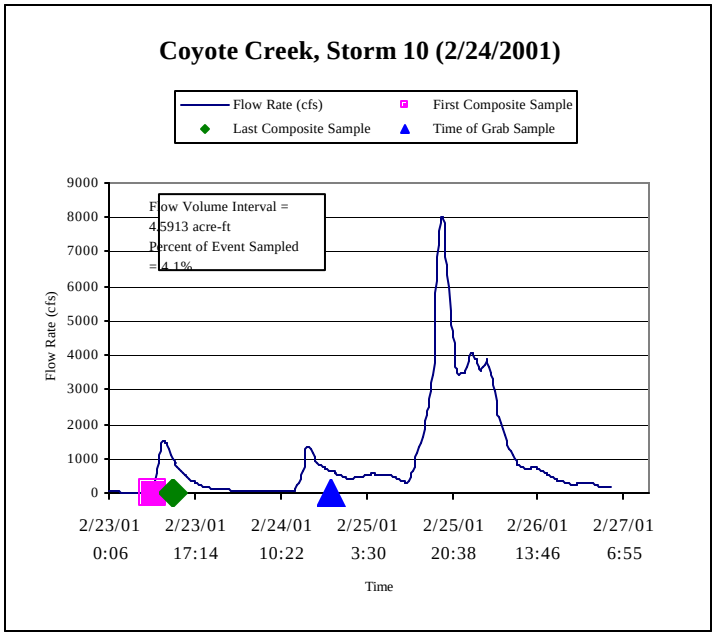

Coyote Creek, Storm 5 (1/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Flow Rate (cfs)
8000
7000
6000
5000
4000
3000
2000
1000
0
1/9/01 0:00
1/9/01 17:08
1/10/01 10:16
1/11/01 3:24
1/11/01 20:32
Time

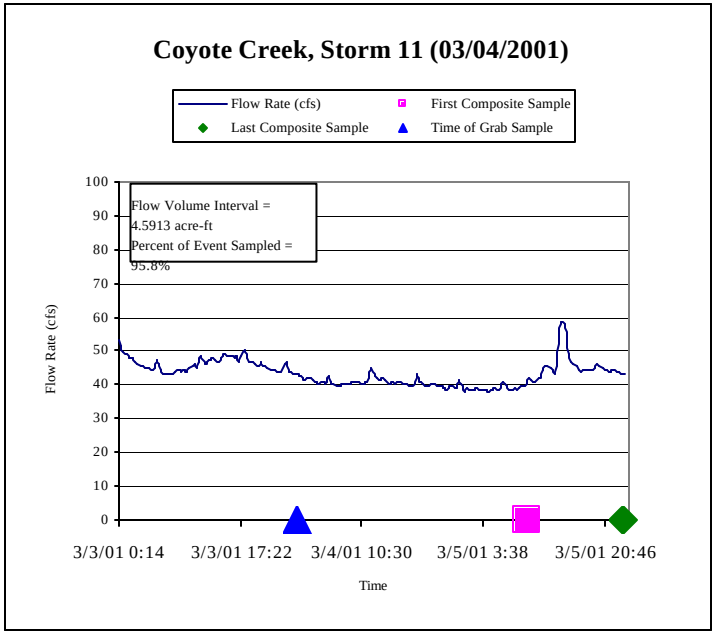

Coyote Creek, Storm 6 (1/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
2500
2000
1500
1000
500
0
1/23/01 10:28
1/24/01 3:36
1/24/01 20:44
1/25/01 13:52
1/26/01 7:00
Time

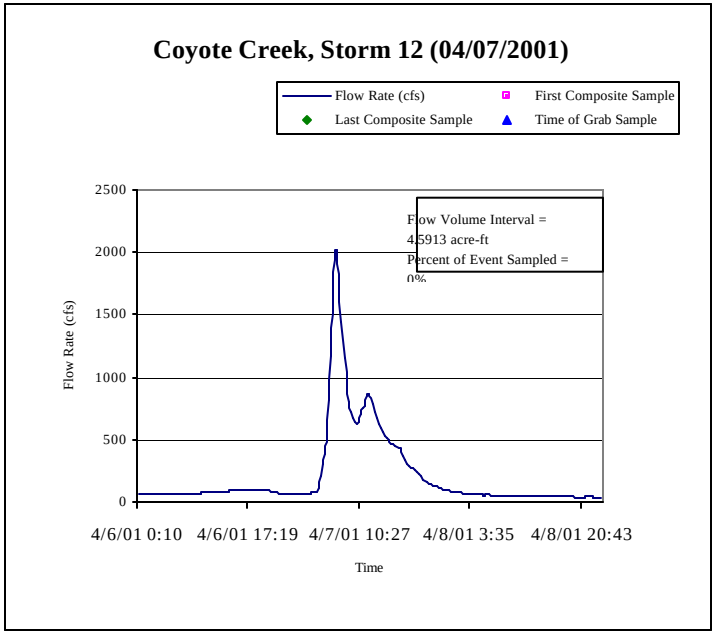

Coyote Creek, Storm 7 (1/26/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
3000
2500
2000
1500
1000
500
0
1/25/01 0:08
1/25/01 17:16
1/26/01 10:24
1/27/01 3:32
1/27/01 20:40
Time

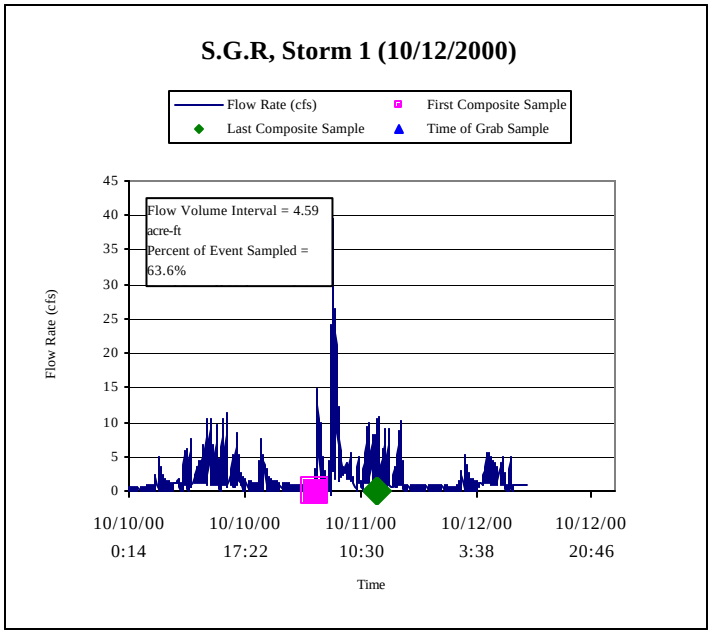

Coyote Creek, Storm 8 (2/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
900
800
700
600
500
400
300
200
100
0
2/9/01 0:03
2/9/01 17:11
2/10/01 10:19
2/11/01 3:27
2/11/01 20:35
Time

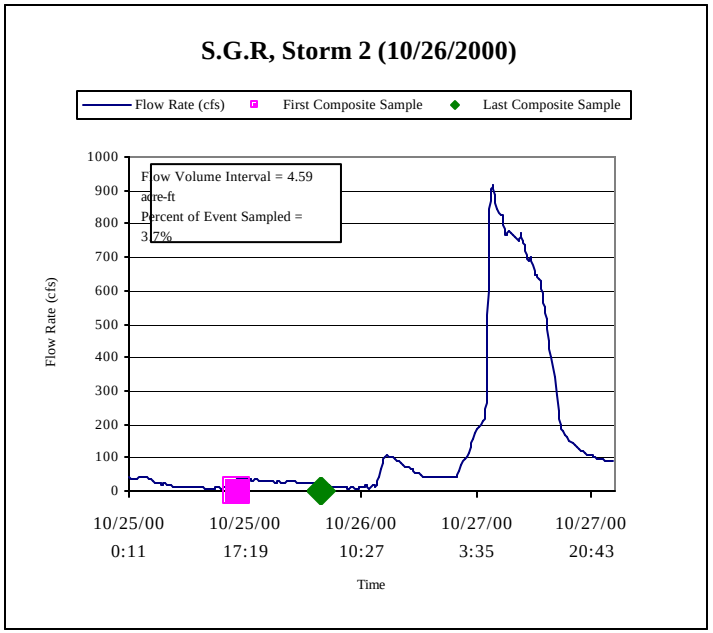

Coyote Creek, Storm 9 (2/19/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
2500
2000
1500
1000
500
0
2/18/01 0:19
2/18/01 17:27
2/19/01 10:35
2/20/01 3:43
2/20/01 20:51
Time

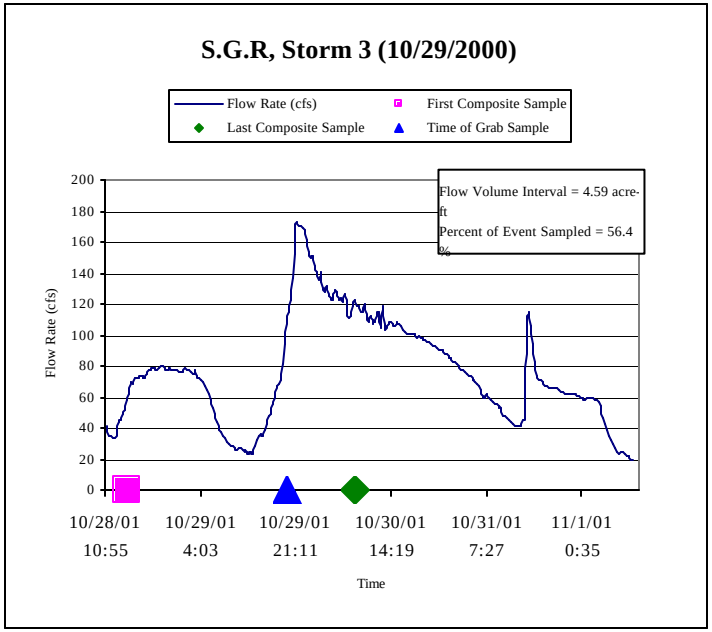

Coyote Creek, Storm 10 (2/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled
= 4.1%
Flow Rate (cfs)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2/23/01 0:06
2/23/01 17:14
2/24/01 10:22
2/25/01 3:30
2/25/01 20:38
2/26/01 13:46
2/27/01 6:55
Time

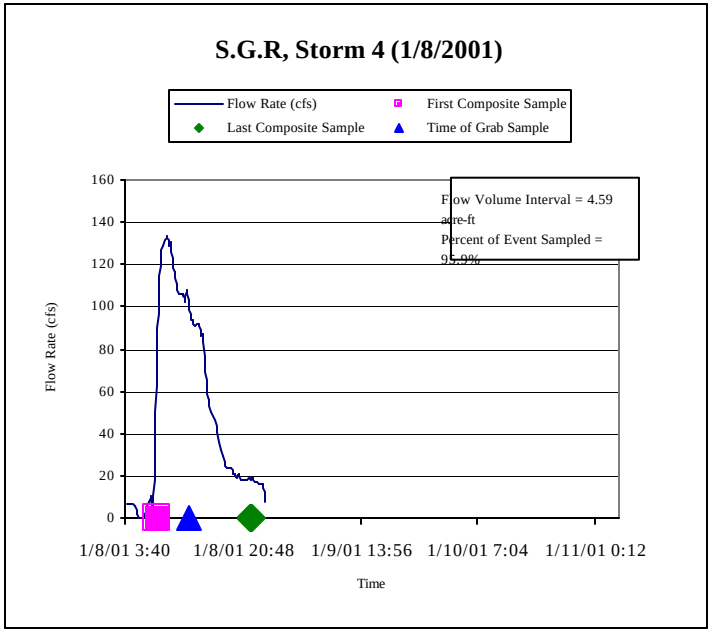

Coyote Creek, Storm 11 (03/04/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
95.8%
Flow Rate (cfs)
100
90
80
70
60
50
40
30
20
10
0
3/3/01 0:14
3/3/01 17:22
3/4/01 10:30
3/5/01 3:38
3/5/01 20:46
Time

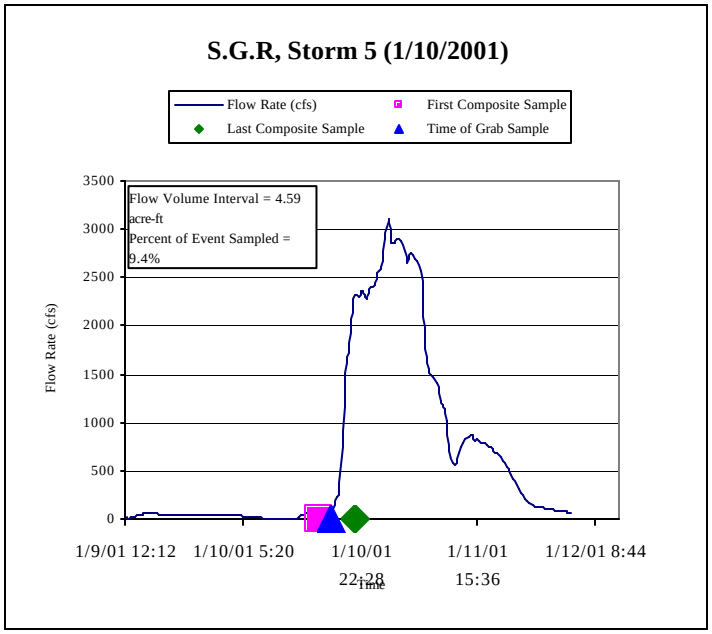

Coyote Creek, Storm 12 (04/07/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =
4.5913 acre-ft
Percent of Event Sampled =
0%
Flow Rate (cfs)
2500
2000
1500
1000
500
0
4/6/01 0:10
4/6/01 17:19
4/7/01 10:27
4/8/01 3:35
4/8/01 20:43
Time

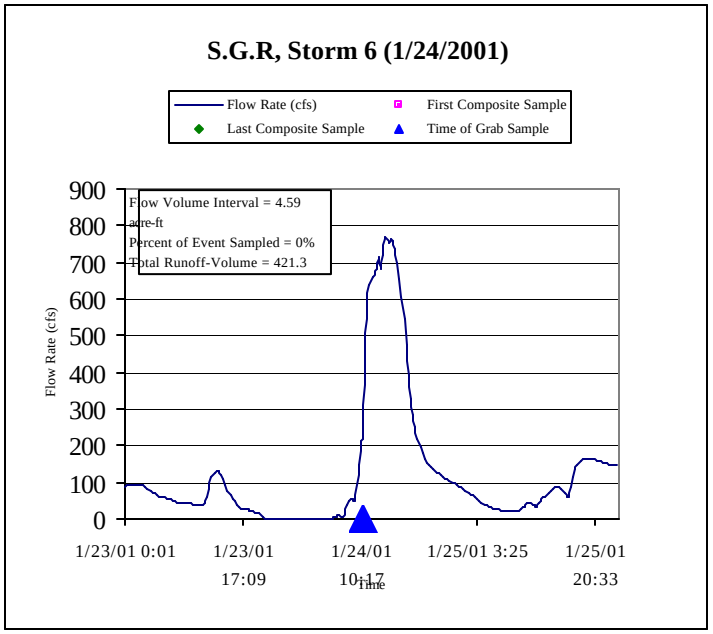

S.G.R, Storm 1 (10/12/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 63.6%
Flow Rate (cfs)
45
40
35
30
25
20
15
10
5
0
10/10/00 0:14
10/10/00 17:22
10/11/00 10:30
10/12/00 3:38
10/12/00 20:46
Time

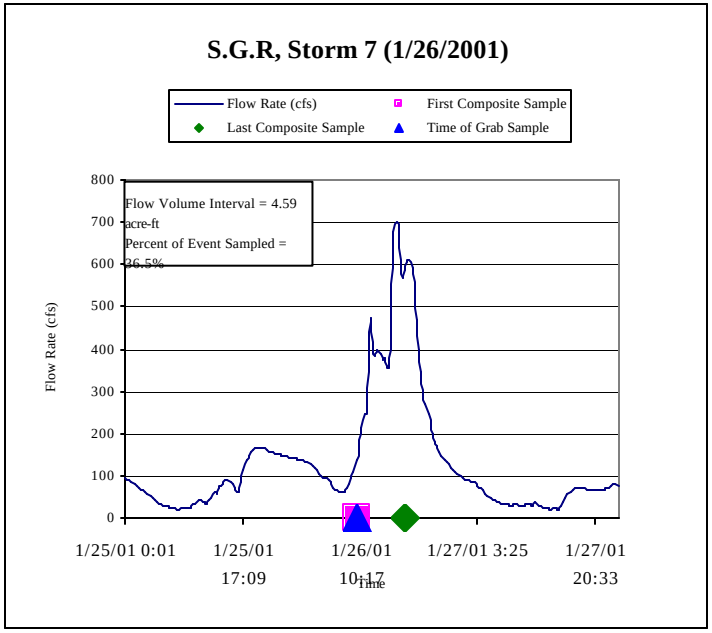

S.G.R, Storm 2 (10/26/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 3.7%
Flow Rate (cfs)
1000
900
800
700
600
500
400
300
200
100
0
10/25/00 0:11
10/25/00 17:19
10/26/00 10:27
10/27/00 3:35
10/27/00 20:43
Time

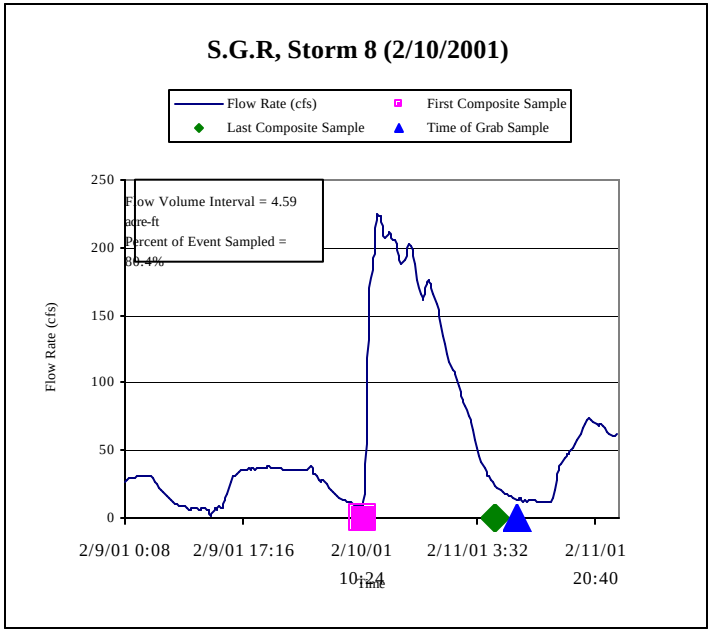

S.G.R, Storm 3 (10/29/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 56.4%
Flow Rate (cfs)
200
180
160
140
120
100
80
60
40
20
0
10/28/01 10:55
10/29/01 4:03
10/29/01 21:11
10/30/01 14:19
10/31/01 7:27
11/1/01 0:35
Time

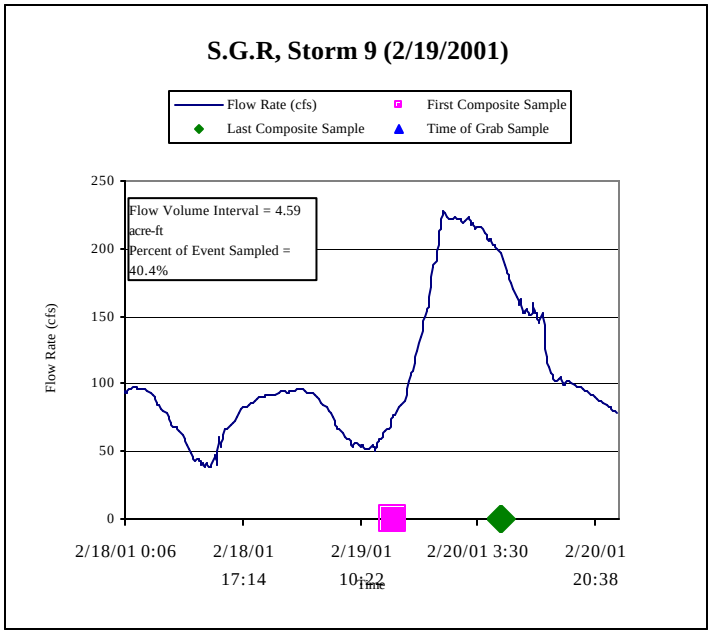

S.G.R, Storm 4 (1/8/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 95.9%
Flow Rate (cfs)
160
140
120
100
80
60
40
20
0
1/8/01 3:40
1/8/01 20:48
1/9/01 13:56
1/10/01 7:04
1/11/01 0:12
Time

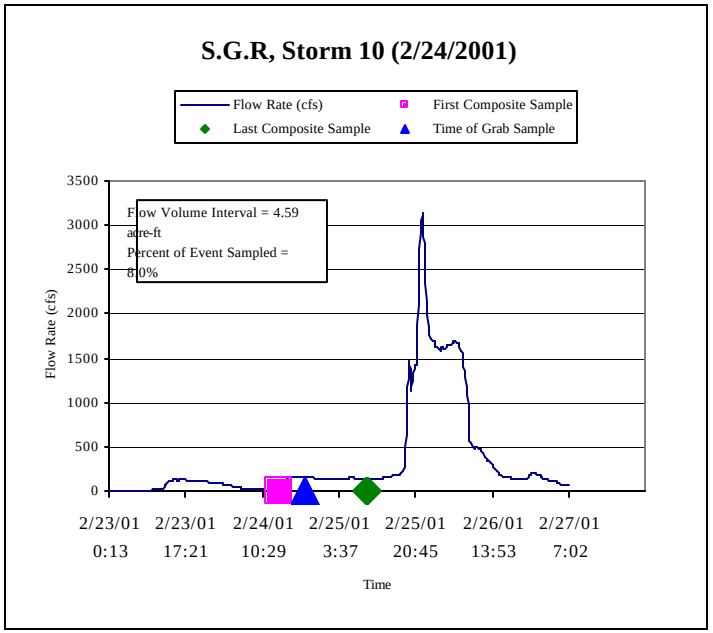

S.G.R, Storm 5 (1/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 9.4%
Flow Rate (cfs)
3500
3000
2500
2000
1500
1000
500
0
1/9/01 12:12
1/10/01 5:20
1/10/01 22:28
1/11/01 15:36
1/12/01 8:44
Time

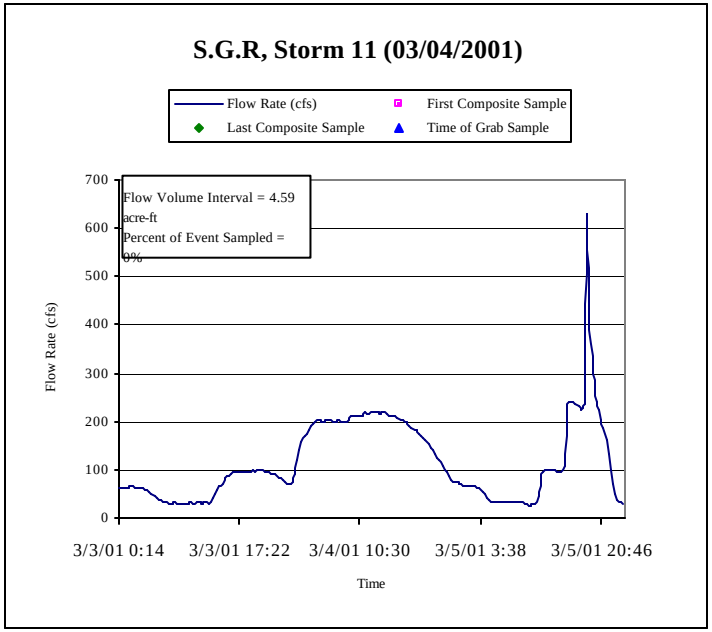

S.G.R, Storm 6 (1/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 0%
Total Runoff-Volume = 421.3
Flow Rate (cfs)
900
800
700
600
500
400
300
200
100
0
1/23/01 0:01
1/23/01 17:09
1/24/01 10:17
1/25/01 3:25
1/25/01 20:33
Time

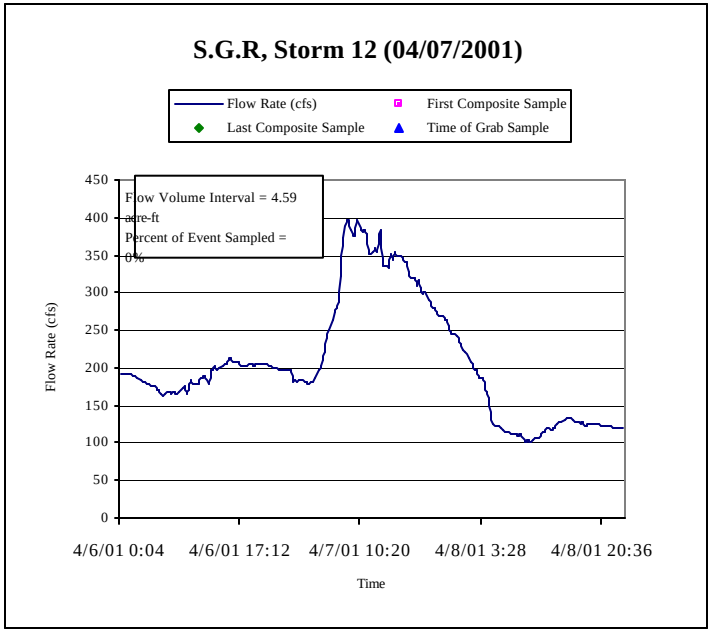

S.G.R, Storm 7 (1/26/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 26.5%
Flow Rate (cfs)
800
700
600
500
400
300
200
100
0
1/25/01 0:01
1/25/01 17:09
1/26/01 10:17
1/27/01 3:25
1/27/01 20:33
Time

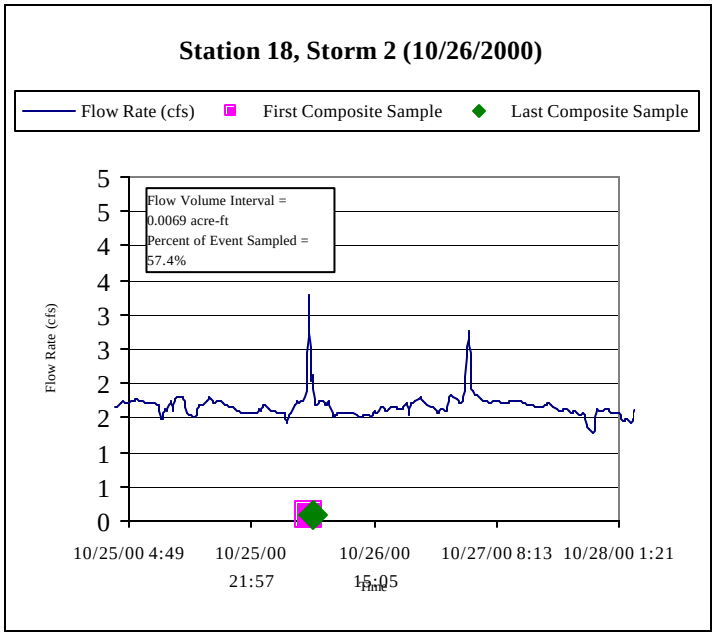

S.G.R, Storm 8 (2/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 30.4%
Flow Rate (cfs)
250
200
150
100
50
0
2/9/01 0:08
2/9/01 17:16
2/10/01 10:24
2/11/01 3:32
2/11/01 20:40
Time

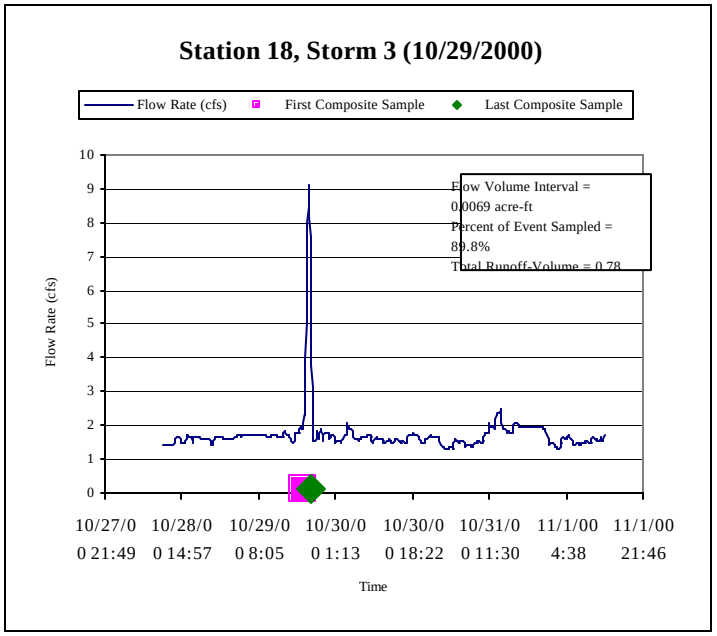

S.G.R, Storm 9 (2/19/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 40.4%
Flow Rate (cfs)
250
200
150
100
50
0
2/18/01 0:06
2/18/01 17:14
2/19/01 10:22
2/20/01 3:30
2/20/01 20:38
Time

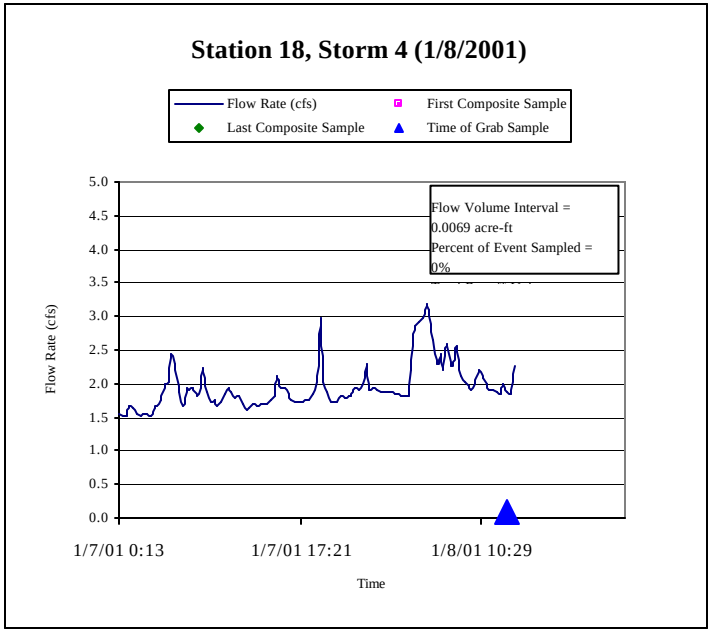

S.G.R, Storm 10 (2/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 8.0%
Flow Rate (cfs)
3500
3000
2500
2000
1500
1000
500
0
2/23/01 0:13
2/23/01 17:21
2/24/01 10:29
2/25/01 3:37
2/25/01 20:45
2/26/01 13:53
2/27/01 7:02
Time

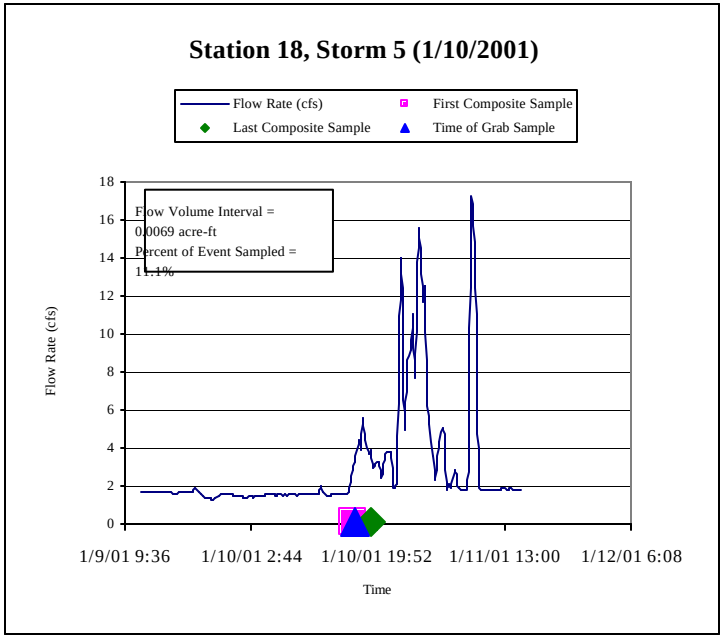

S.G.R, Storm 11 (03/04/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 0%
Flow Rate (cfs)
700
600
500
400
300
200
100
0
3/3/01 0:14
3/3/01 17:22
3/4/01 10:30
3/5/01 3:38
3/5/01 20:46
Time

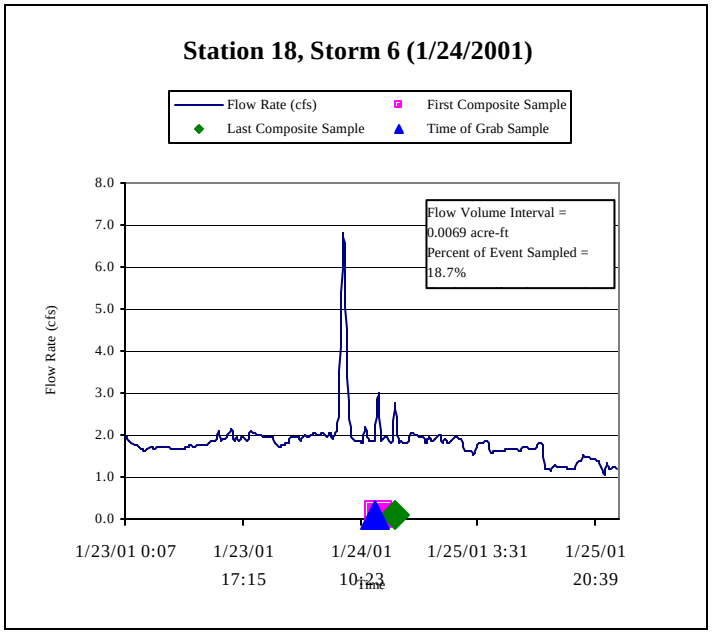

S.G.R, Storm 12 (04/07/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 4.59 acre-ft
Percent of Event Sampled = 0%
Flow Rate (cfs)
450
400
350
300
250
200
150
100
50
0
4/6/01 0:04
4/6/01 17:12
4/7/01 10:20
4/8/01 3:28
4/8/01 20:36
Time

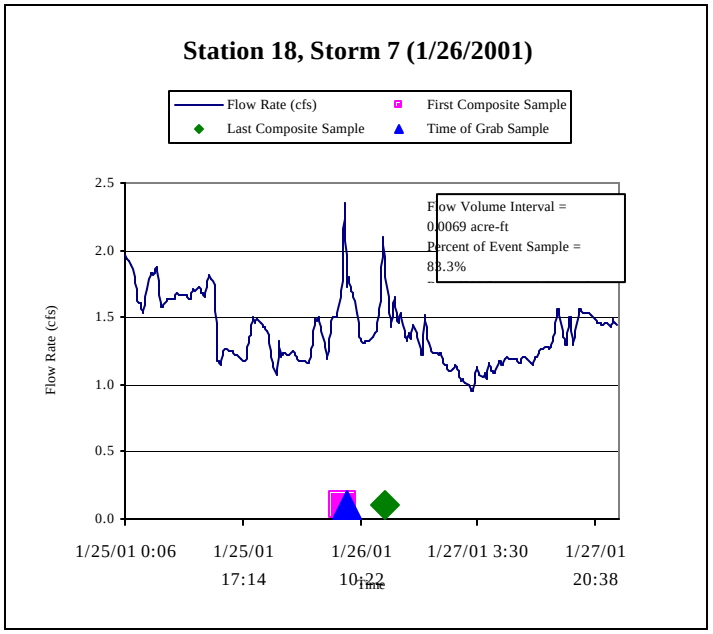

Station 18, Storm 2 (10/26/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.0069 acre-ft
Percent of Event Sampled = 57.4%
Flow Rate (cfs)
5
5
4
4
3
3
2
2
1
1
0
10/25/00 4:49
10/25/00 21:57
10/26/00 15:05
10/27/00 8:13
10/28/00 1:21
Time

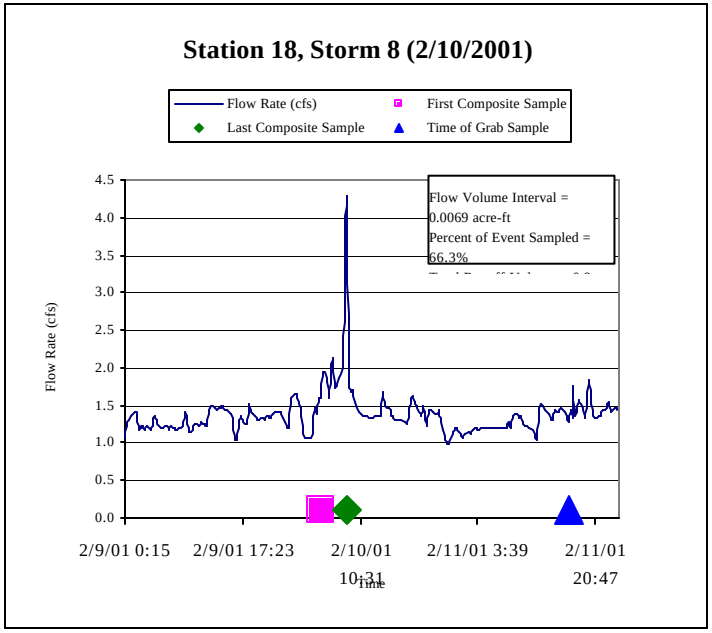

Station 18, Storm 3 (10/29/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.0069 acre-ft
Percent of Event Sampled = 89.8%
Total Runoff-Volume = 0.78
Flow Rate (cfs)
10
9
8
7
6
5
4
3
2
1
0
10/27/0 0 21:49
10/28/0 0 14:57
10/29/0 0 8:05
10/30/0 0 1:13
10/30/0 0 18:22
10/31/0 0 11:30
11/1/00 4:38
11/1/00 21:46
Time

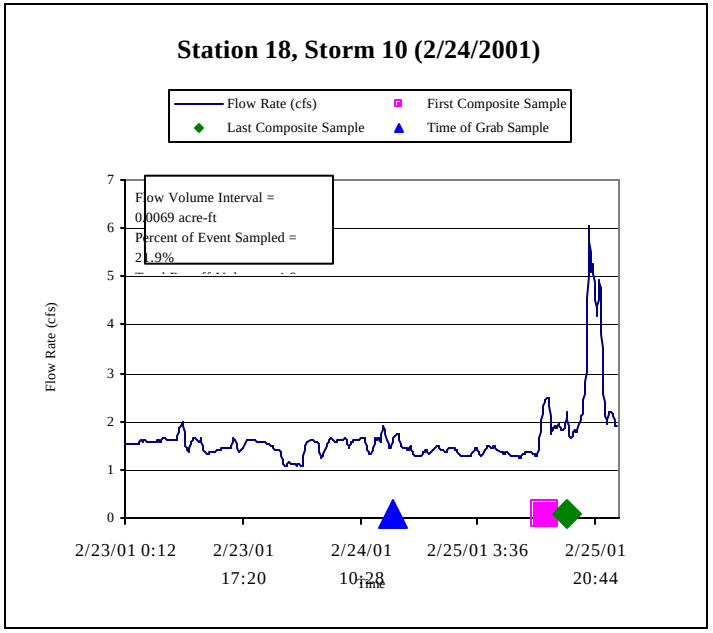

Station 18, Storm 4 (1/8/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.0069 acre-ft
Percent of Event Sampled = 0%
Flow Rate (cfs)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1/7/01 0:13
1/7/01 17:21
1/8/01 10:29
Time

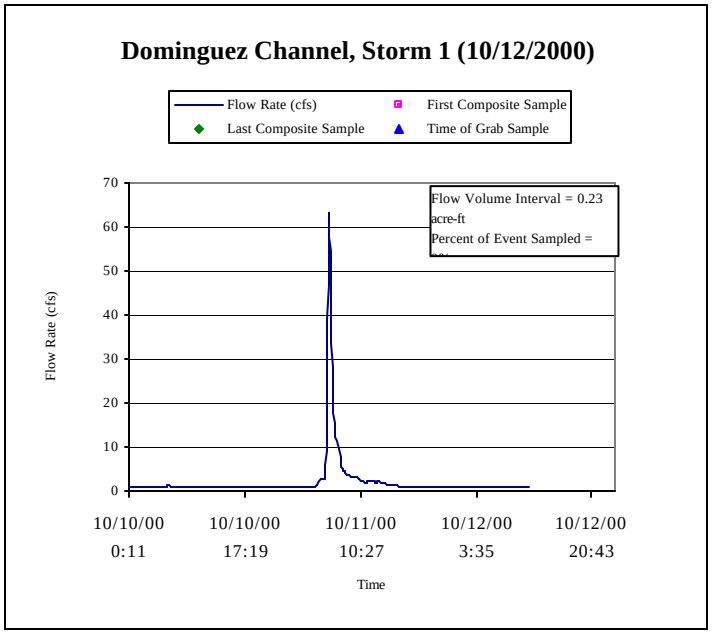

Station 18, Storm 5 (1/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.0069 acre-ft
Percent of Event Sampled = 11.1%
Flow Rate (cfs)
18
16
14
12
10
8
6
4
2
0
1/9/01 9:36
1/10/01 2:44
1/10/01 19:52
1/11/01 13:00
1/12/01 6:08
Time

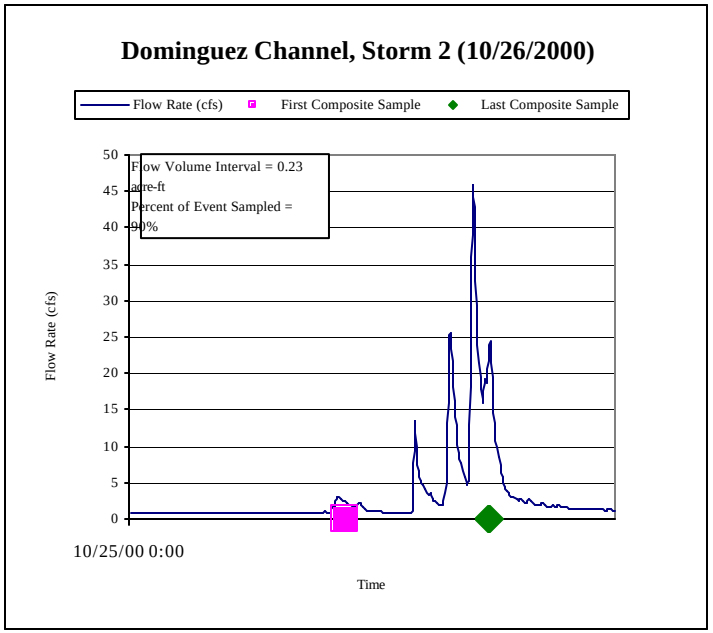

Station 18, Storm 6 (1/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.0069 acre-ft
Percent of Event Sampled = 18.7%
Flow Rate (cfs)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1/23/01 0:07
1/23/01 17:15
1/24/01 10:23
1/25/01 3:31
1/25/01 20:39
Time

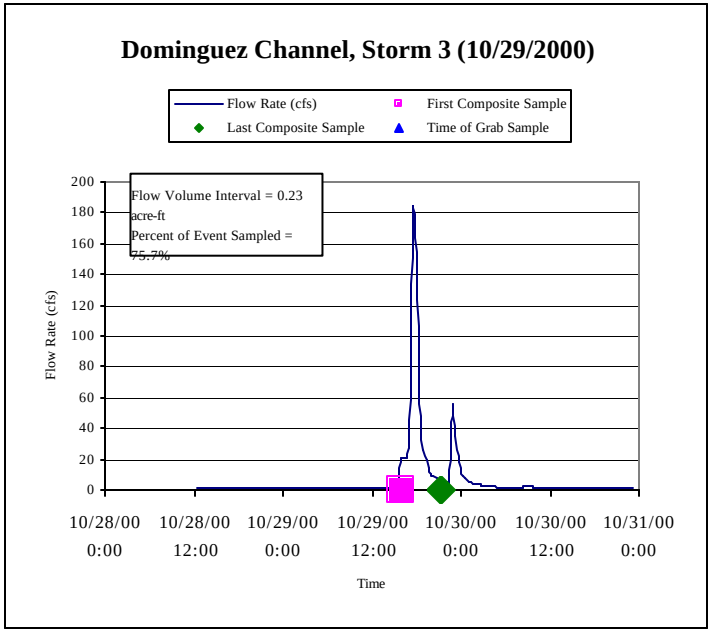

Station 18, Storm 7 (1/26/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.0069 acre-ft
Percent of Event Sample = 83.3%
Flow Rate (cfs)
2.5
2.0
1.5
1.0
0.5
0.0
1/25/01 0:06
1/25/01 17:14
1/26/01 10:22
1/27/01 3:30
1/27/01 20:38
Time

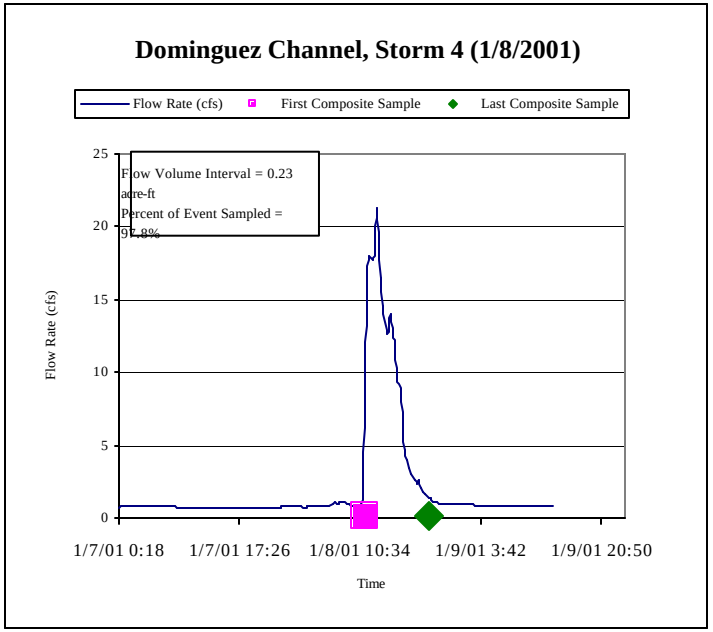

Station 18, Storm 8 (2/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.0069 acre-ft
Percent of Event Sampled = 66.3%
Flow Rate (cfs)
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2/9/01 0:15
2/9/01 17:23
2/10/01 10:31
2/11/01 3:39
2/11/01 20:47
Time

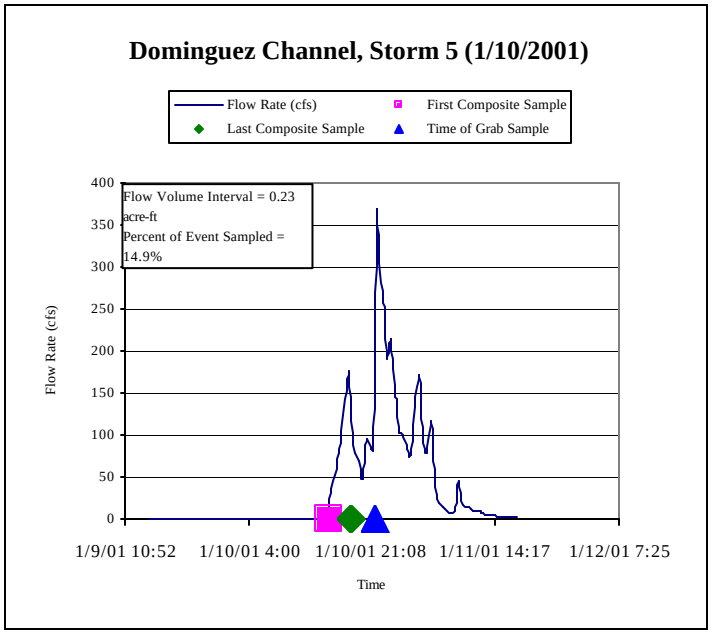

Station 18, Storm 10 (2/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.0069 acre-ft
Percent of Event Sampled = 21.9%
Flow Rate (cfs)
7
6
5
4
3
2
1
0
2/23/01 0:12
2/23/01 17:20
2/24/01 10:28
2/25/01 3:36
2/25/01 20:44
Time

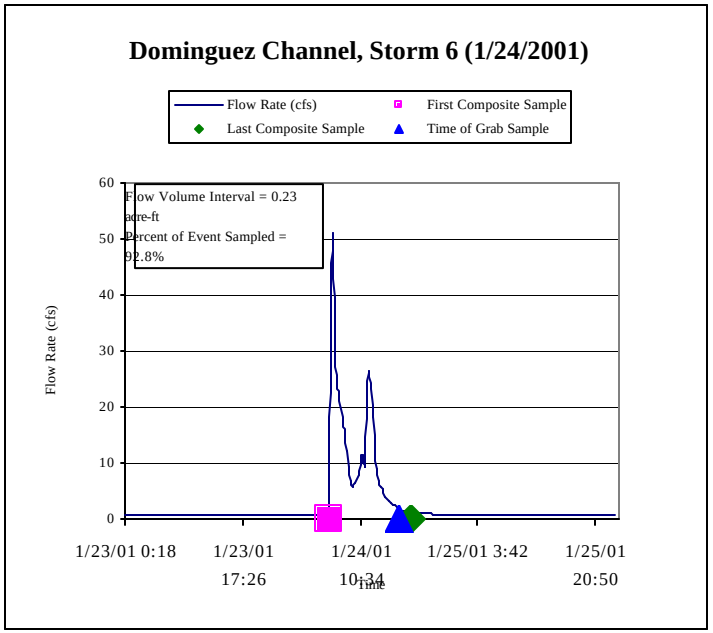

Dominguez Channel, Storm 1 (10/12/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
70
60
50
40
30
20
10
0
10/10/00 0:11
10/10/00 17:19
10/11/00 10:27
10/12/00 3:35
10/12/00 20:43
Time

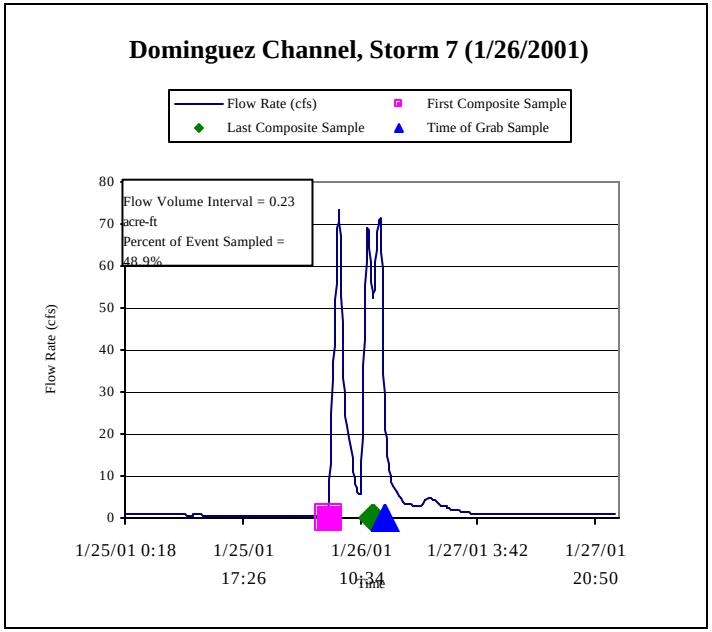

Dominguez Channel, Storm 2 (10/26/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 90%
Flow Rate (cfs)
50
45
40
35
30
25
20
15
10
5
0
10/25/00 0:00
Time

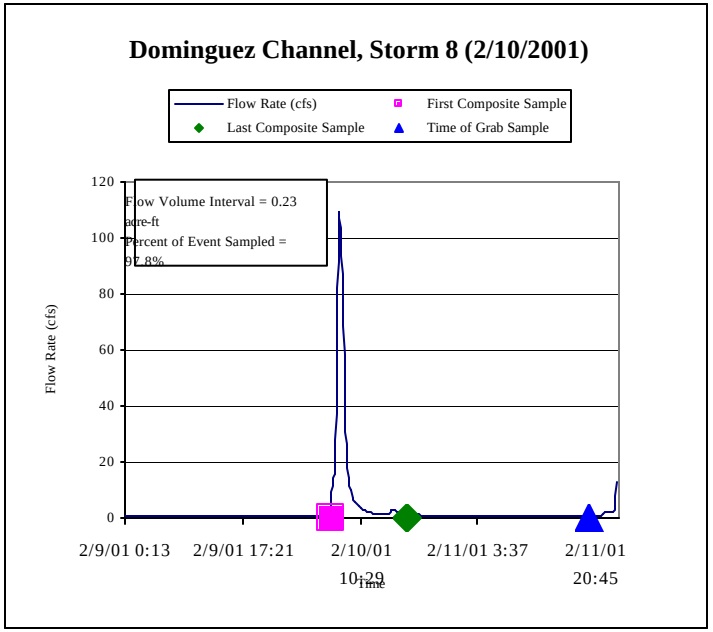

Dominguez Channel, Storm 3 (10/29/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 75.7%
Flow Rate (cfs)
200
180
160
140
120
100
80
60
40
20
0
10/28/00 0:00
10/28/00 12:00
10/29/00 0:00
10/29/00 12:00
10/30/00 0:00
10/30/00 12:00
10/31/00 0:00
Time

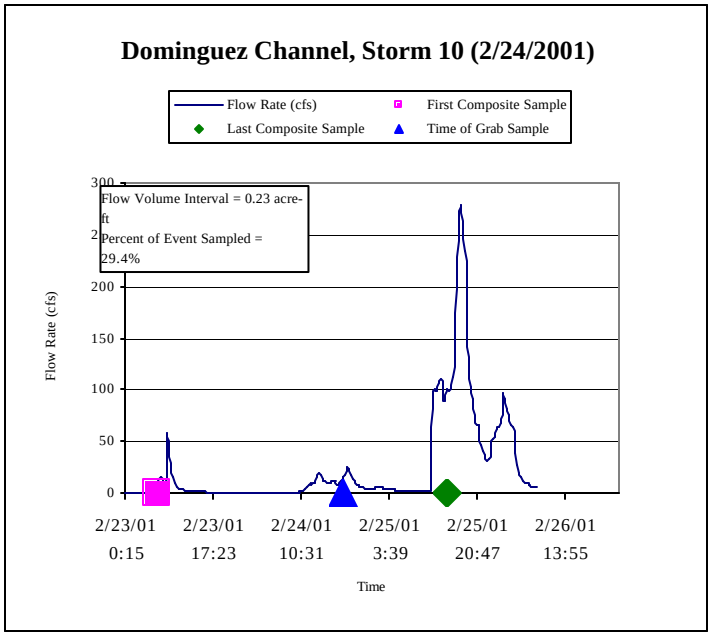

Dominguez Channel, Storm 4 (1/8/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 97.8%
Flow Rate (cfs)
25
20
15
10
5
0
1/7/01 0:18
1/7/01 17:26
1/8/01 10:34
1/9/01 3:42
1/9/01 20:50
Time

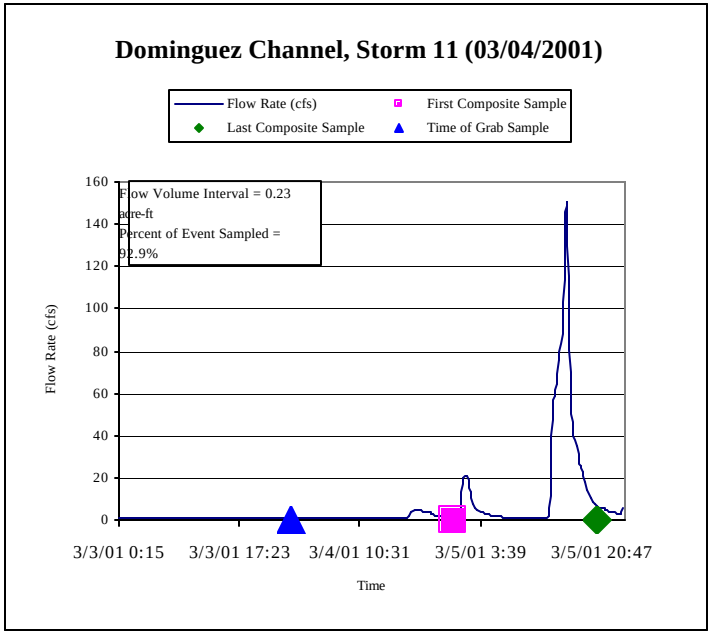

Dominguez Channel, Storm 5 (1/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 14.9%
Flow Rate (cfs)
0
50
100
150
200
250
300
350
400
1/9/01 10:52
1/10/01 4:00
1/10/01 21:08
1/11/01 14:17
1/12/01 7:25
Time

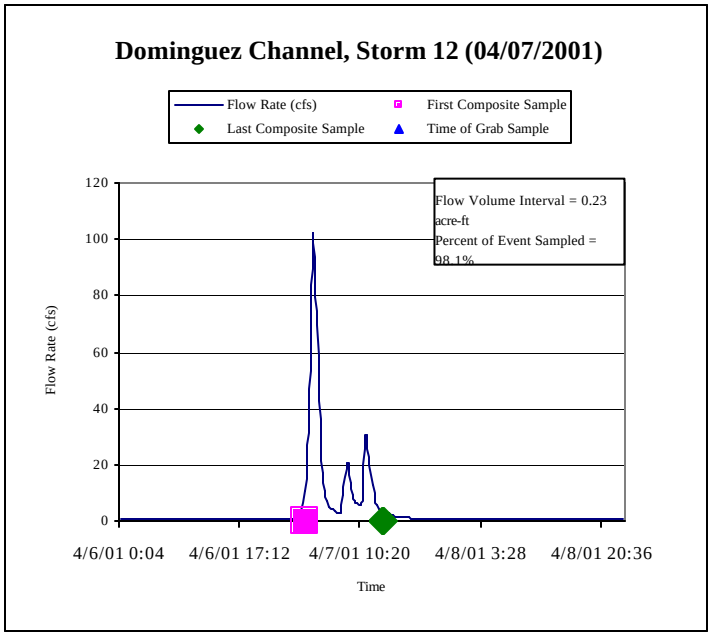

Dominguez Channel, Storm 6 (1/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 92.8%
Flow Rate (cfs)
0
10
20
30
40
50
60
1/23/01 0:18
1/23/01 17:26
1/24/01 10:34
1/25/01 3:42
1/25/01 20:50
Time

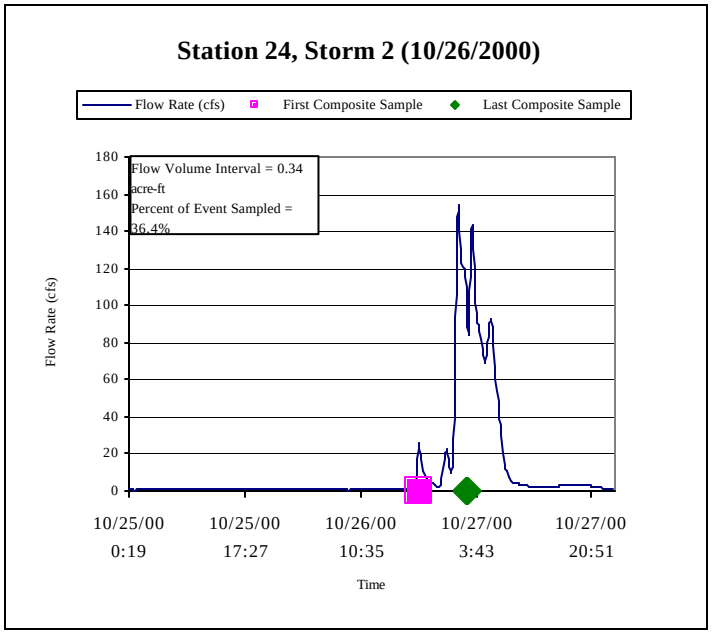

Dominguez Channel, Storm 7 (1/26/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 48.9%
Flow Rate (cfs)
0
10
20
30
40
50
60
70
80
1/25/01 0:18
1/25/01 17:26
1/26/01 10:34
1/27/01 3:42
1/27/01 20:50
Time

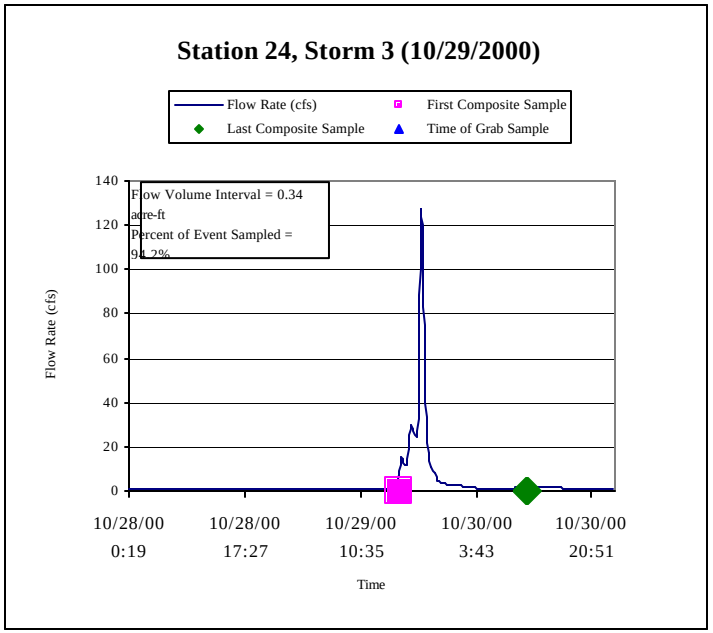

Dominguez Channel, Storm 8 (2/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 97.8%
Flow Rate (cfs)
0
20
40
60
80
100
120
2/9/01 0:13
2/9/01 17:21
2/10/01 10:29
2/11/01 3:37
2/11/01 20:45
Time

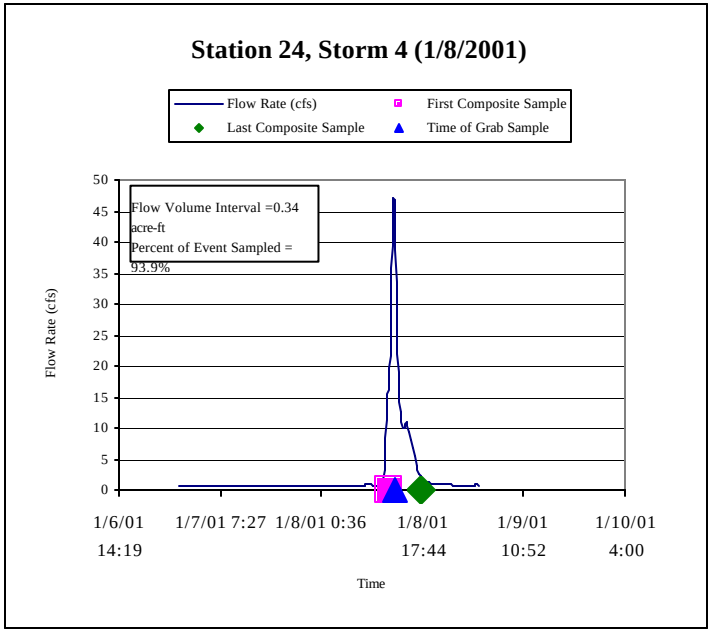

Dominguez Channel, Storm 10 (2/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 29.4%
Flow Rate (cfs)
300
200
150
100
50
0
2/23/01 0:15
2/23/01 17:23
2/24/01 10:31
2/25/01 3:39
2/25/01 20:47
2/26/01 13:55
Time

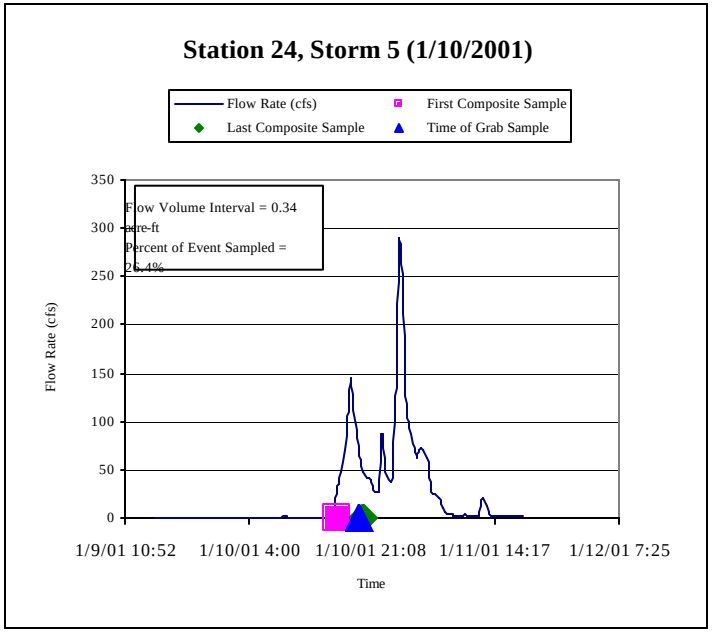

Dominguez Channel, Storm 11 (03/04/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 92.9%
Flow Rate (cfs)
160
140
120
100
80
60
40
20
0
3/3/01 0:15
3/3/01 17:23
3/4/01 10:31
3/5/01 3:39
3/5/01 20:47
Time

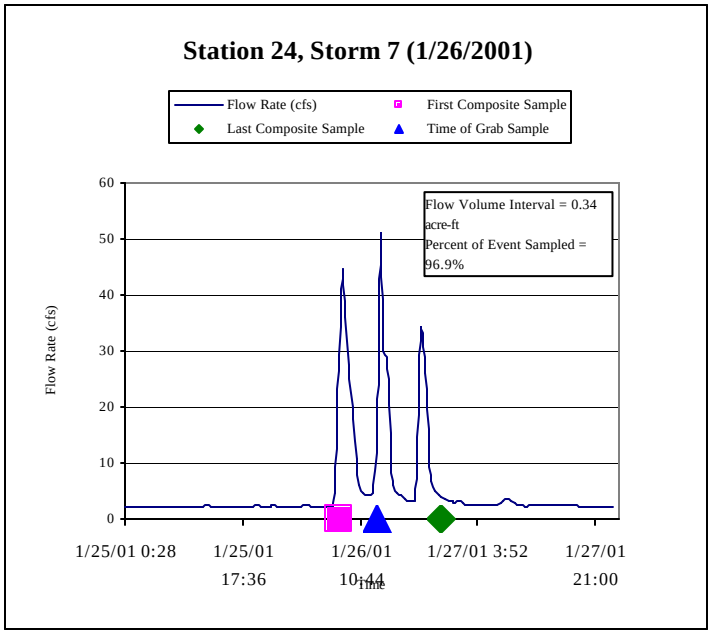

Dominguez Channel, Storm 12 (04/07/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 98.1%
Flow Rate (cfs)
120
100
80
60
40
20
0
4/6/01 0:04
4/6/01 17:12
4/7/01 10:20
4/8/01 3:28
4/8/01 20:36
Time

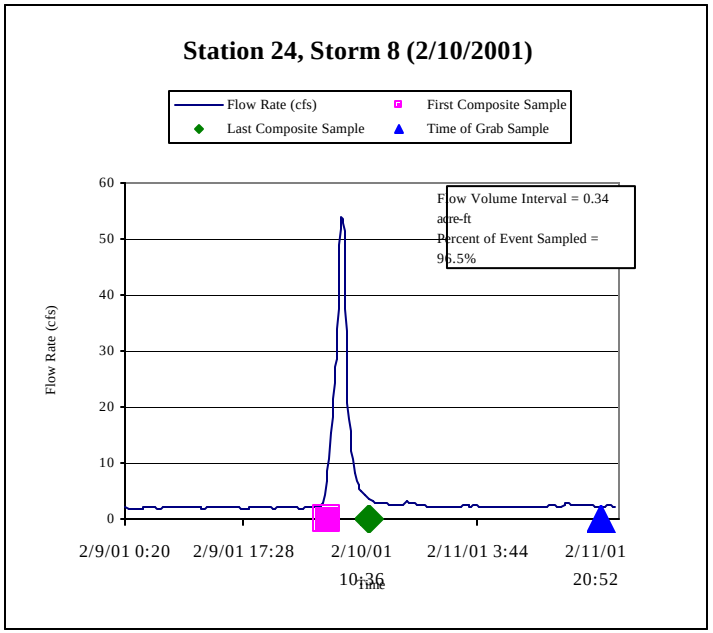

Station 24, Storm 2 (10/26/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.34 acre-ft
Percent of Event Sampled = 36.4%
Flow Rate (cfs)
180
160
140
120
100
80
60
40
20
0
10/25/00 0:19
10/25/00 17:27
10/26/00 10:35
10/27/00 3:43
10/27/00 20:51
Time

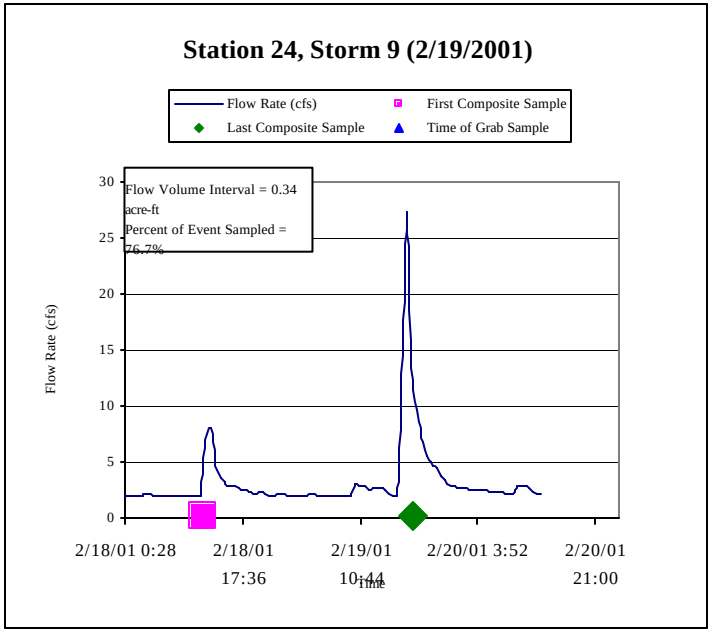

Station 24, Storm 3 (10/29/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.34 acre-ft
Percent of Event Sampled = 94.2%
Flow Rate (cfs)
140
120
100
80
60
40
20
0
10/28/00 0:19
10/28/00 17:27
10/29/00 10:35
10/30/00 3:43
10/30/00 20:51
Time

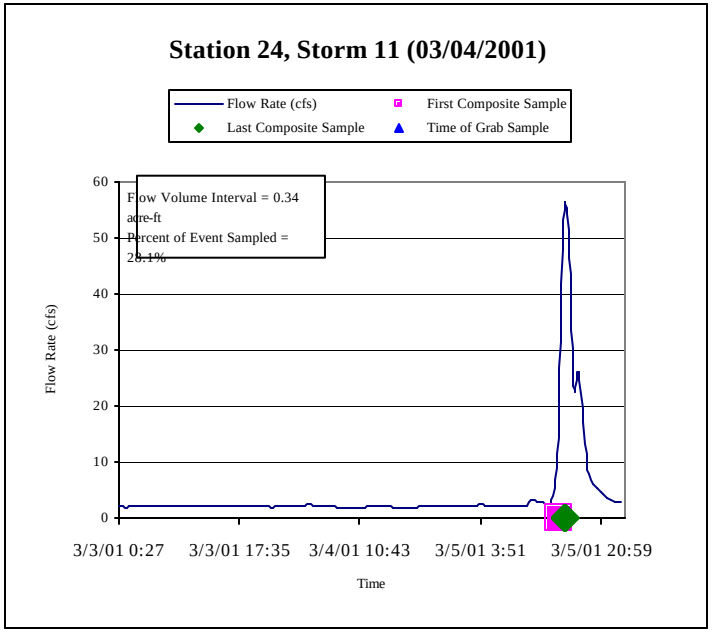

Station 24, Storm 4 (1/8/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =0.34 acre-ft
Percent of Event Sampled = 93.9%
Flow Rate (cfs)
50
45
40
35
30
25
20
15
10
5
0
1/6/01 14:19
1/7/01 7:27
1/8/01 0:36
1/8/01 17:44
1/9/01 10:52
1/10/01 4:00
Time

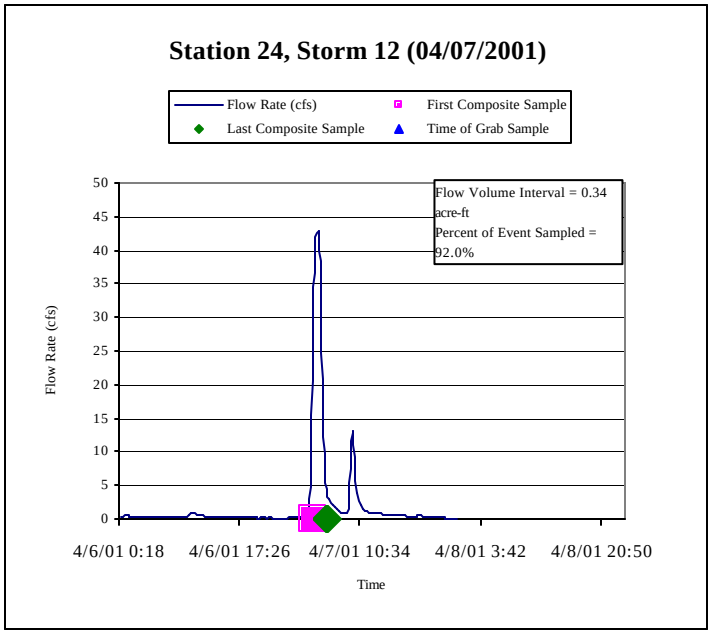

Station 24, Storm 5 (1/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.34 acre-ft
Percent of Event Sampled = 26.4%
Flow Rate (cfs)
350
300
250
200
150
100
50
0
1/9/01 10:52
1/10/01 4:00
1/10/01 21:08
1/11/01 14:17
1/12/01 7:25
Time

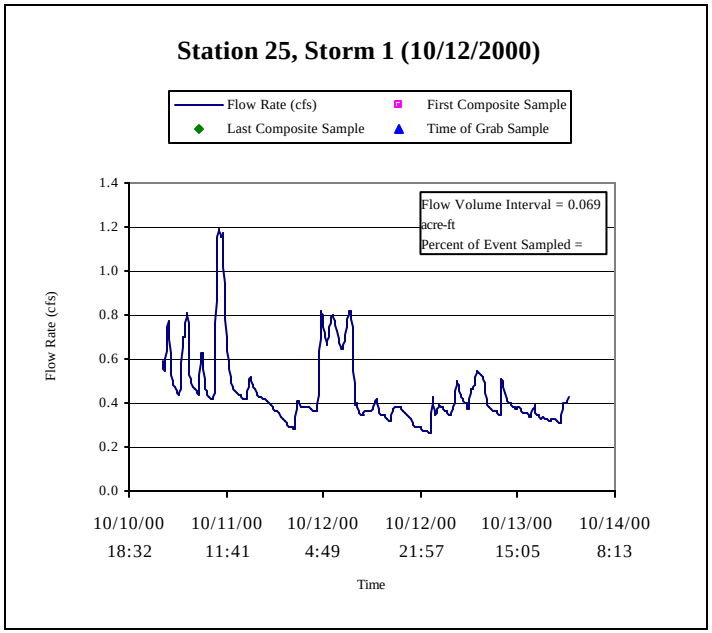

Station 24, Storm 7 (1/26/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.34 acre-ft
Percent of Event Sampled = 96.9%
Flow Rate (cfs)
0
10
20
30
40
50
60
1/25/01 0:28
1/25/01 17:36
1/26/01 10:44
1/27/01 3:52
1/27/01 21:00
Time

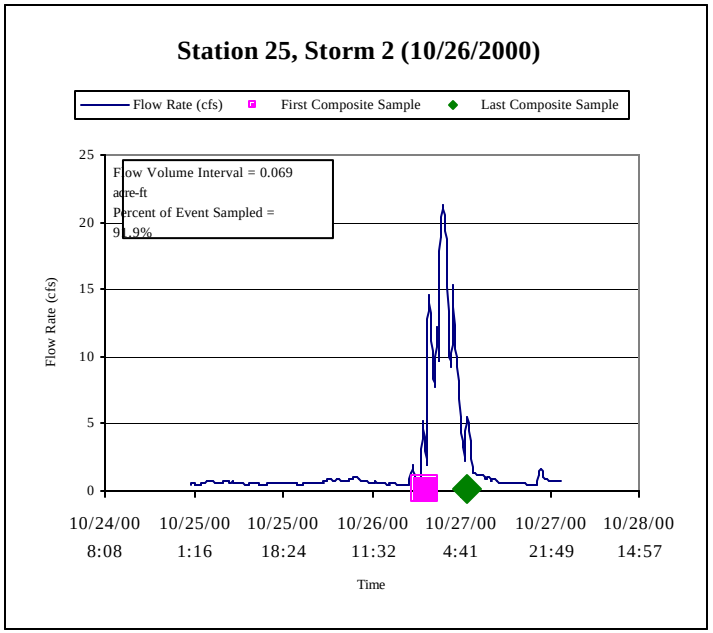

Station 24, Storm 8 (2/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.34 acre-ft
Percent of Event Sampled = 96.5%
Flow Rate (cfs)
0
10
20
30
40
50
60
2/9/01 0:20
2/9/01 17:28
2/10/01 10:36
2/11/01 3:44
2/11/01 20:52
Time

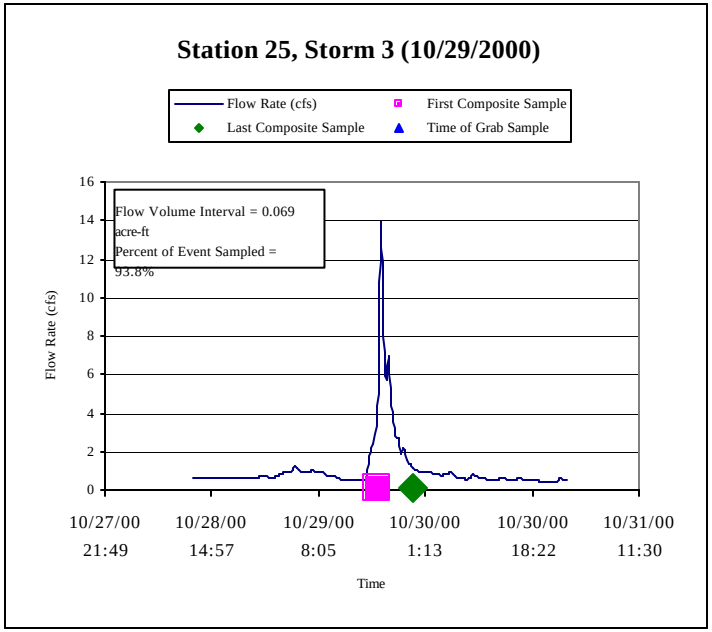

Station 24, Storm 9 (2/19/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.34 acre-ft
Percent of Event Sampled = 76.7%
Flow Rate (cfs)
0
5
10
15
20
25
30
2/18/01 0:28
2/18/01 17:36
2/19/01 10:44
2/20/01 3:52
2/20/01 21:00
Time

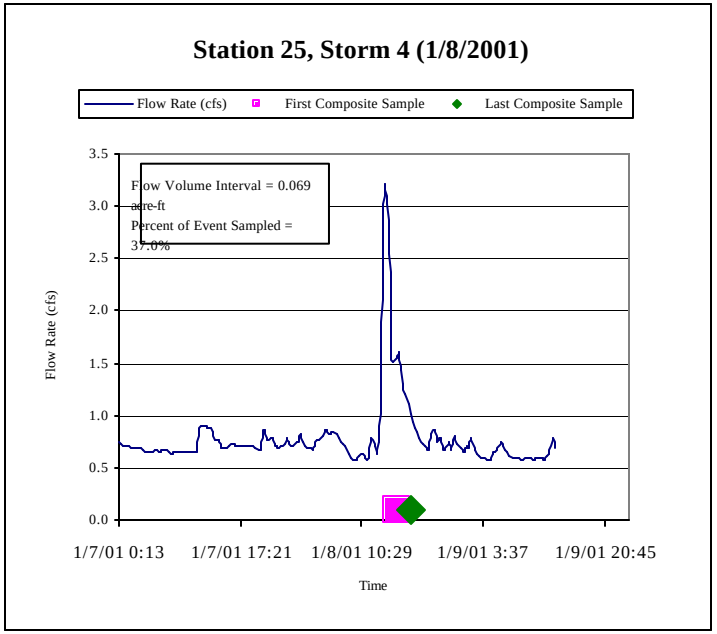

Station 24, Storm 11 (03/04/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.34 acre-ft
Percent of Event Sampled = 28.1%
Flow Rate (cfs)
0
10
20
30
40
50
60
3/3/01 0:27
3/3/01 17:35
3/4/01 10:43
3/5/01 3:51
3/5/01 20:59
Time

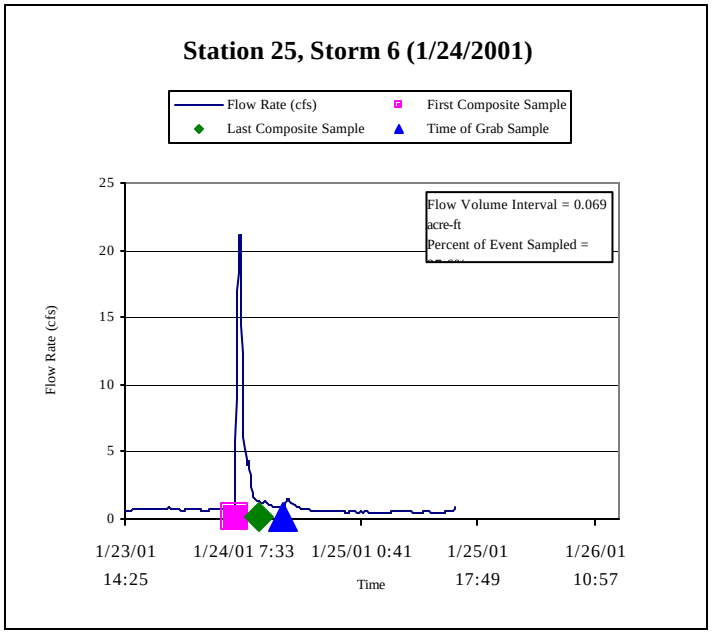

Station 24, Storm 12 (04/07/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.34 acre-ft
Percent of Event Sampled = 92.0%
Flow Rate (cfs)
50
45
40
35
30
25
20
15
10
5
0
4/6/01 0:18
4/6/01 17:26
4/7/01 10:34
4/8/01 3:42
4/8/01 20:50
Time

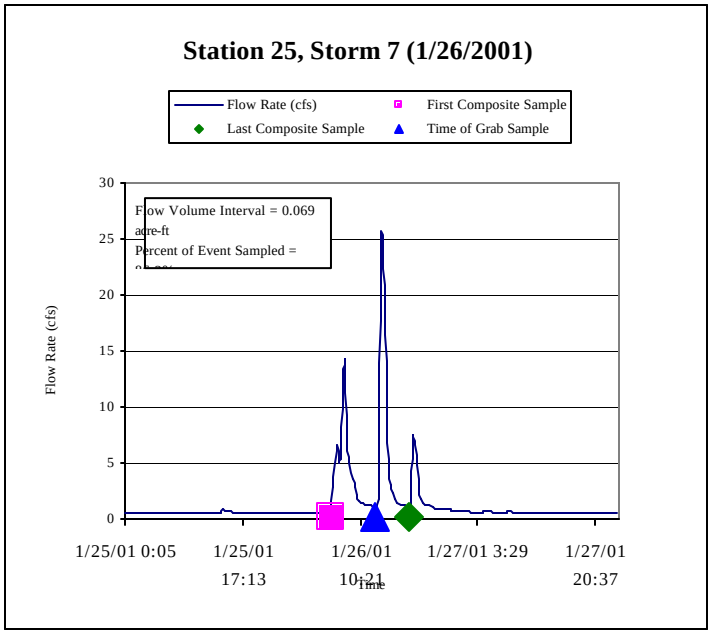

Station 25, Storm 1 (10/12/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10/10/00 18:32
10/11/00 11:41
10/12/00 4:49
10/12/00 21:57
10/13/00 15:05
10/14/00 8:13
Time

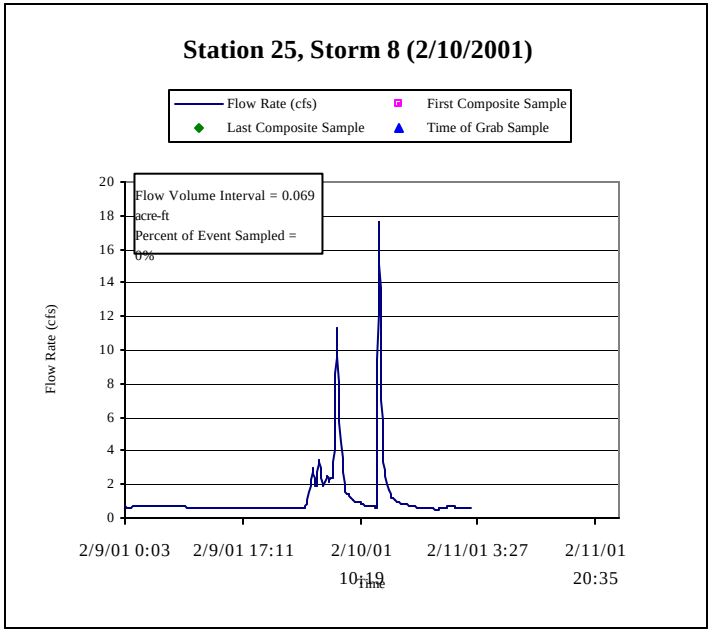

Station 25, Storm 2 (10/26/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
25
20
15
10
5
0
10/24/00 8:08
10/25/00 1:16
10/25/00 18:24
10/26/00 11:32
10/27/00 4:41
10/27/00 21:49
10/28/00 14:57
Time

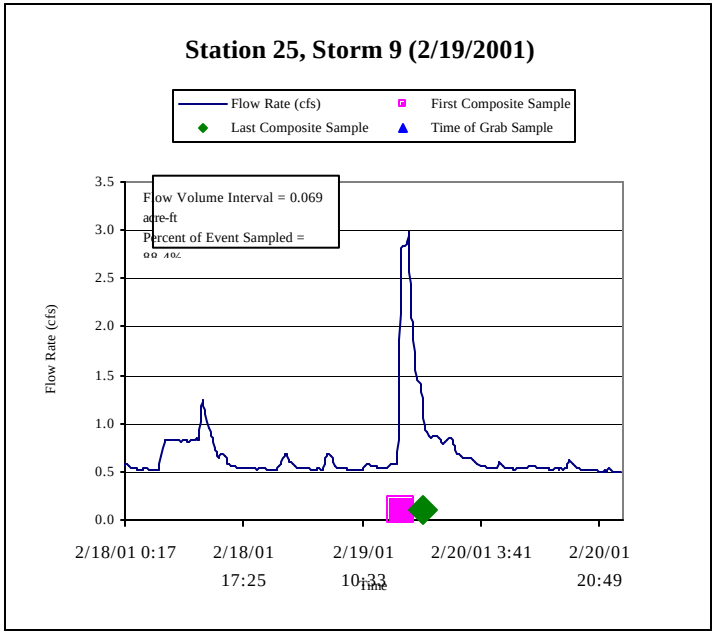

Station 25, Storm 3 (10/29/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
93.8%
Flow Rate (cfs)
16
14
12
10
8
6
4
2
0
10/27/00 21:49
10/28/00 14:57
10/29/00 8:05
10/30/00 1:13
10/30/00 18:22
10/31/00 11:30
Time

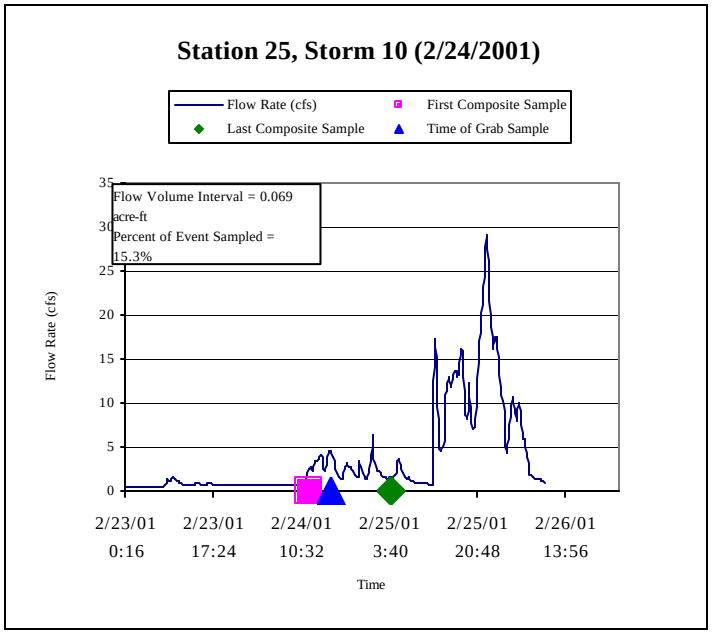

Station 25, Storm 4 (1/8/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1/7/01 0:13
1/7/01 17:21
1/8/01 10:29
1/9/01 3:37
1/9/01 20:45
Time

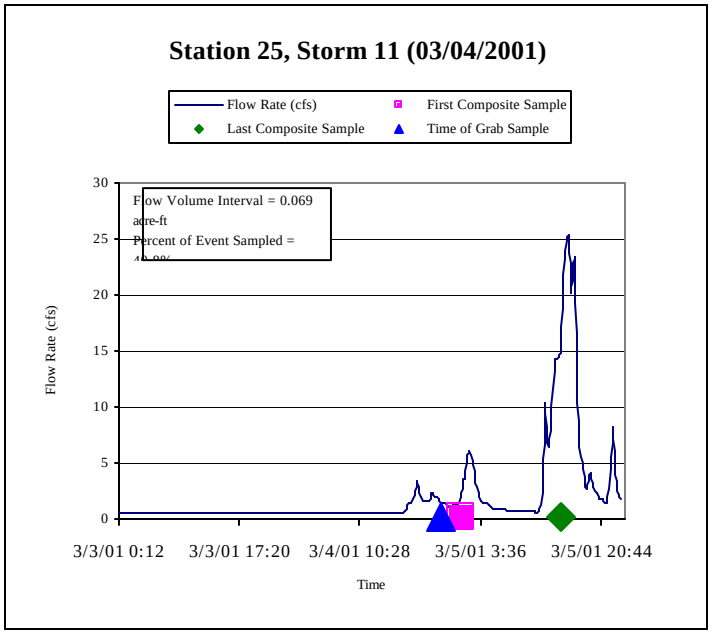

Station 25, Storm 6 (1/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
25
20
15
10
5
0
1/23/01 14:25
1/24/01 7:33
1/25/01 0:41
1/25/01 17:49
1/26/01 10:57
Time

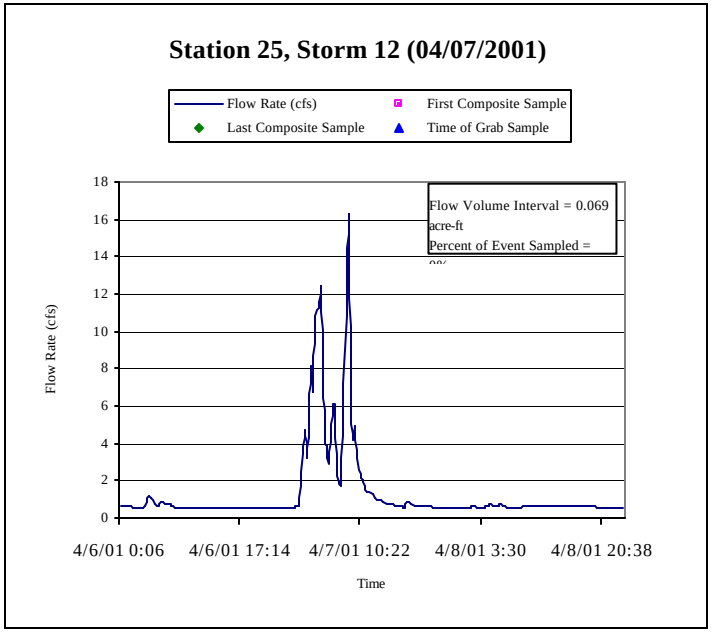

Station 25, Storm 7 (1/26/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
30
25
20
15
10
5
0
1/25/01 0:05
1/25/01 17:13
1/26/01 10:21
1/27/01 3:29
1/27/01 20:37
Time

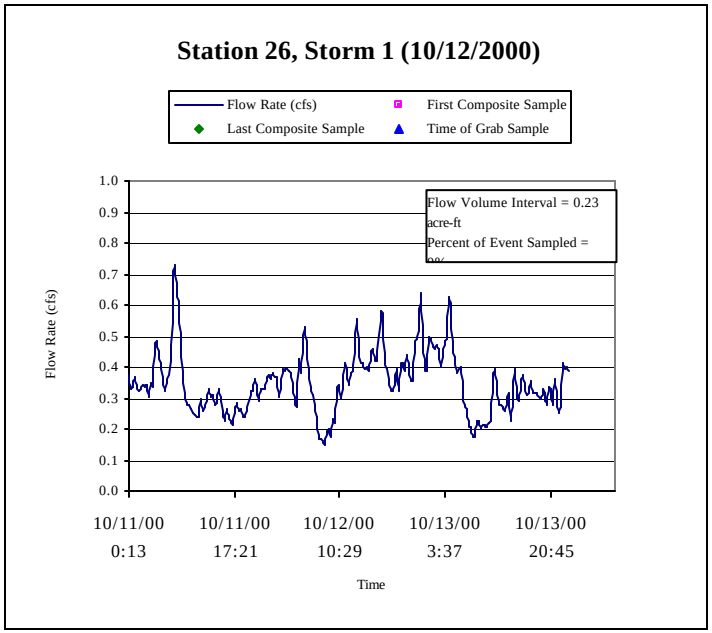

Station 25, Storm 8 (2/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
20
18
16
14
12
10
8
6
4
2
0
2/9/01 0:03
2/9/01 17:11
2/10/01 10:19
2/11/01 3:27
2/11/01 20:35
Time

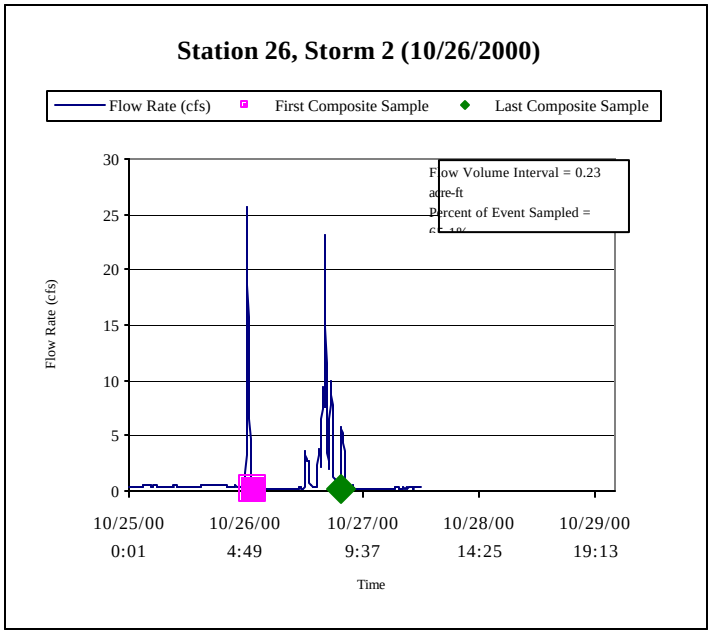

Station 25, Storm 9 (2/19/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2/18/01 0:17
2/18/01 17:25
2/19/01 10:33
2/20/01 3:41
2/20/01 20:49
Time

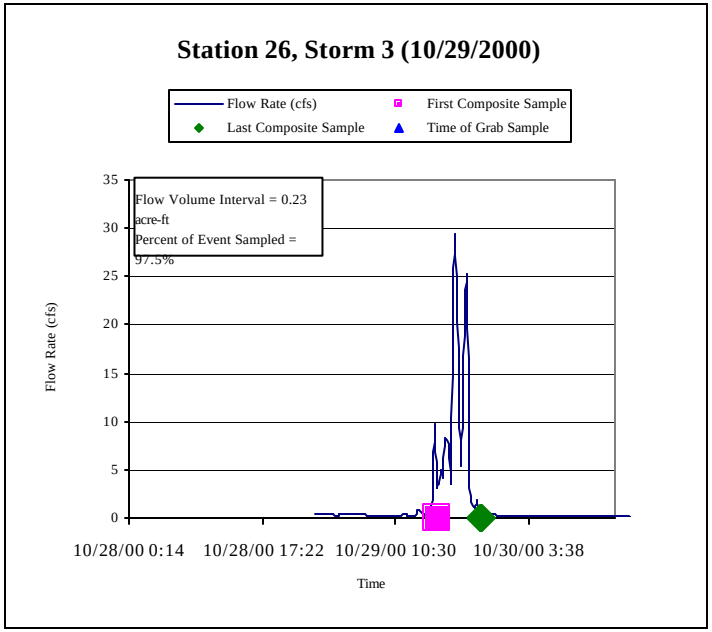

Station 25, Storm 10 (2/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled = 15.3%
Flow Rate (cfs)
35
30
25
20
15
10
5
0
2/23/01 0:16
2/23/01 17:24
2/24/01 10:32
2/25/01 3:40
2/25/01 20:48
2/26/01 13:56
Time

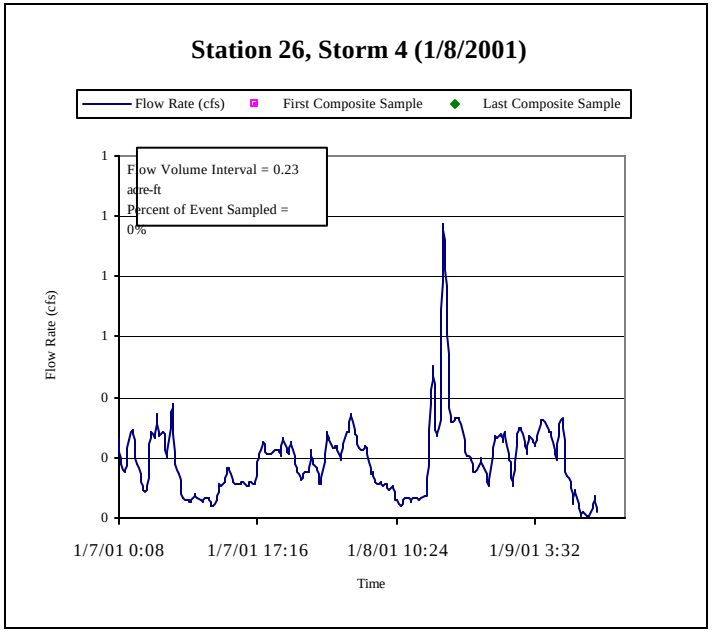

Station 25, Storm 11 (03/04/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
30
25
20
15
10
5
0
3/3/01 0:12
3/3/01 17:20
3/4/01 10:28
3/5/01 3:36
3/5/01 20:44
Time

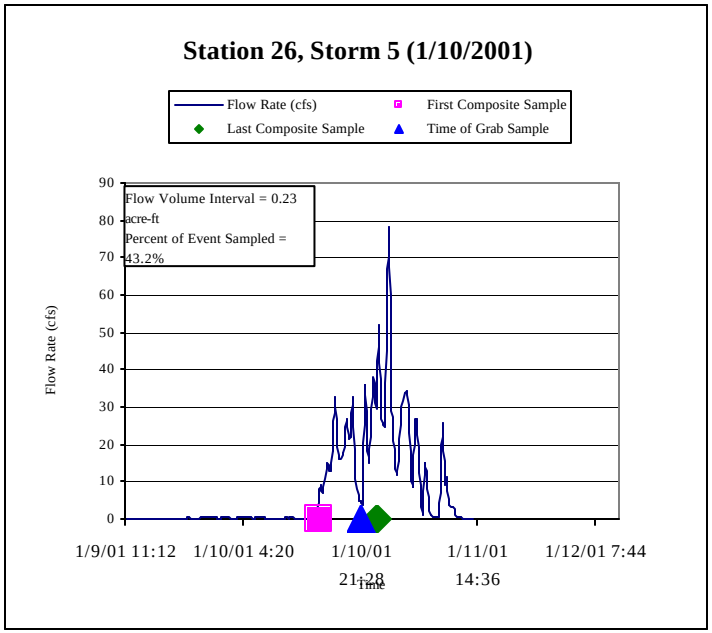

Station 25, Storm 12 (04/07/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
18
16
14
12
10
8
6
4
2
0
4/6/01 0:06
4/6/01 17:14
4/7/01 10:22
4/8/01 3:30
4/8/01 20:38
Time

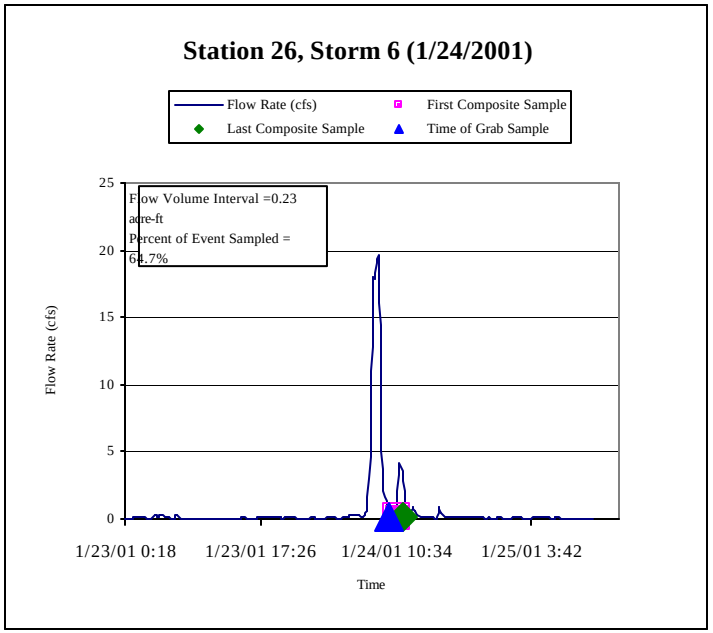

Station 26, Storm 1 (10/12/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10/11/00 0:13
10/11/00 17:21
10/12/00 10:29
10/13/00 3:37
10/13/00 20:45
Time

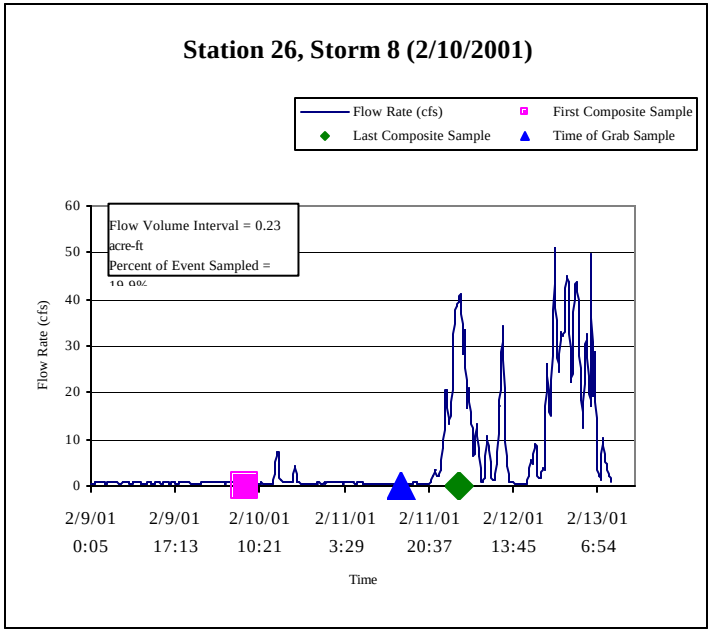

Station 26, Storm 2 (10/26/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
30
25
20
15
10
5
0
10/25/00 0:01
10/26/00 4:49
10/27/00 9:37
10/28/00 14:25
10/29/00 19:13
Time

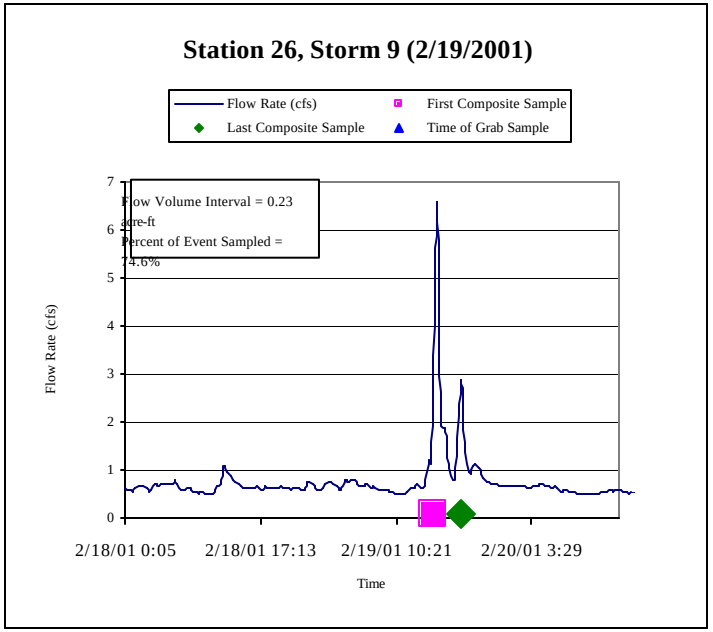

Station 26, Storm 3 (10/29/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 97.5%
Flow Rate (cfs)
35
30
25
20
15
10
5
0
10/28/00 0:14
10/28/00 17:22
10/29/00 10:30
10/30/00 3:38
Time

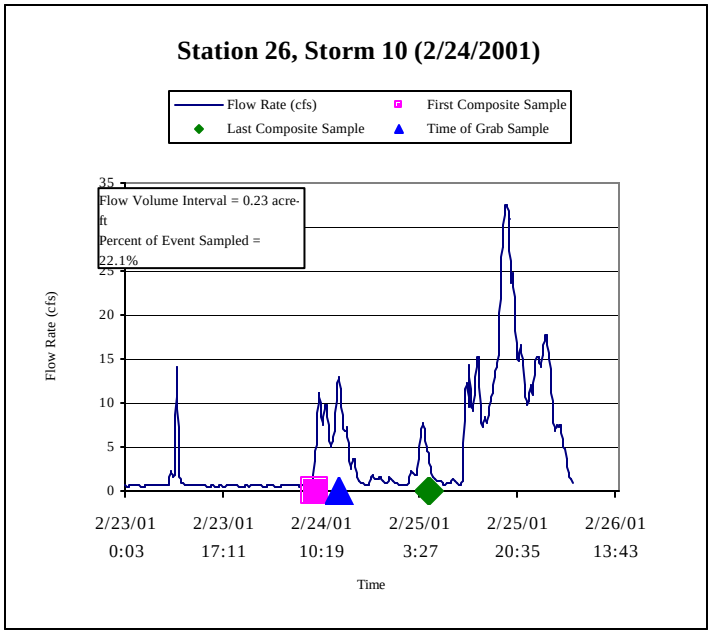

Station 26, Storm 4 (1/8/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 0%
Flow Rate (cfs)
1
1
1
1
0
0
0
1/7/01 0:08
1/7/01 17:16
1/8/01 10:24
1/9/01 3:32
Time

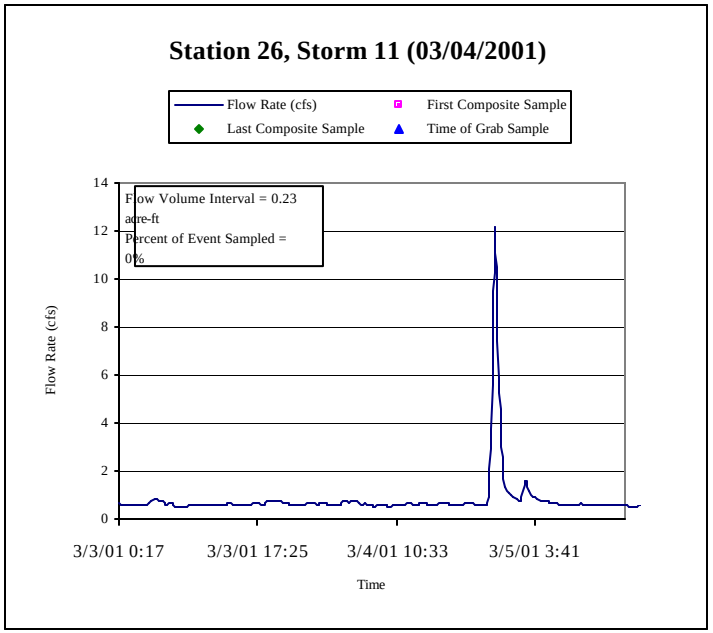

Station 26, Storm 5 (1/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 43.2%
Flow Rate (cfs)
90
80
70
60
50
40
30
20
10
0
1/9/01 11:12
1/10/01 4:20
1/10/01 21:28
1/11/01 14:36
1/12/01 7:44
Time

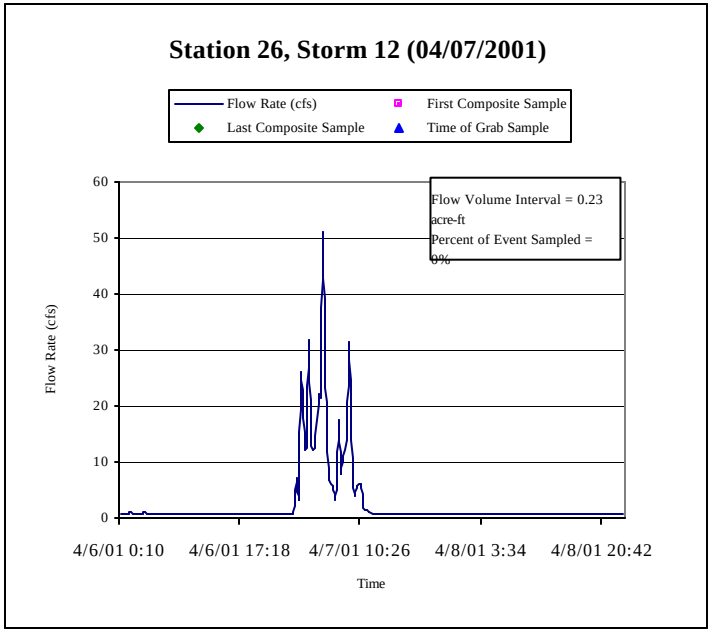

Station 26, Storm 6 (1/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval =0.23 acre-ft
Percent of Event Sampled = 64.7%
Flow Rate (cfs)
25
20
15
10
5
0
1/23/01 0:18
1/23/01 17:26
1/24/01 10:34
1/25/01 3:42
Time

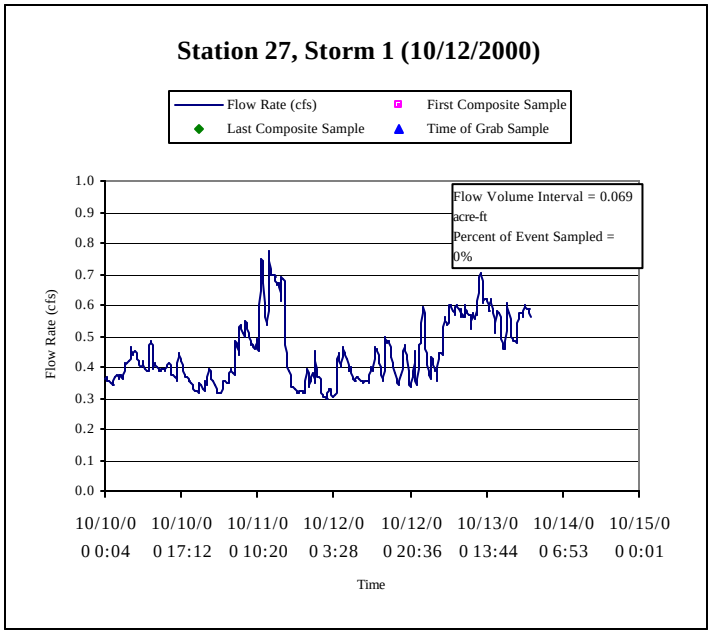

Station 26, Storm 8 (2/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled =
Flow Rate (cfs)
60
50
40
30
20
10
0
2/9/01 0:05
2/9/01 17:13
2/10/01 10:21
2/11/01 3:29
2/11/01 20:37
2/12/01 13:45
2/13/01 6:54
Time

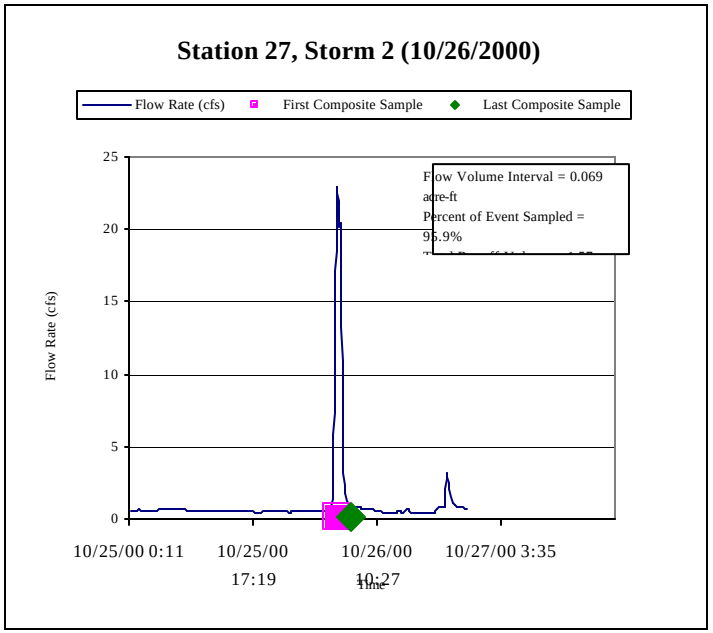

Station 26, Storm 9 (2/19/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 74.6%
Flow Rate (cfs)
7
6
5
4
3
2
1
0
2/18/01 0:05
2/18/01 17:13
2/19/01 10:21
2/20/01 3:29
Time

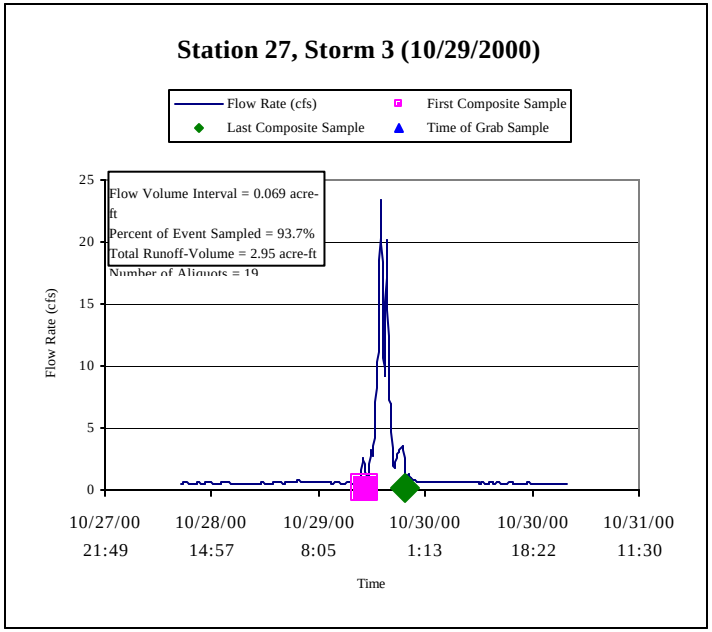

Station 26, Storm 10 (2/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 22.1%
Flow Rate (cfs)
35
25
20
15
10
5
0
2/23/01 0:03
2/23/01 17:11
2/24/01 10:19
2/25/01 3:27
2/25/01 20:35
2/26/01 13:43
Time

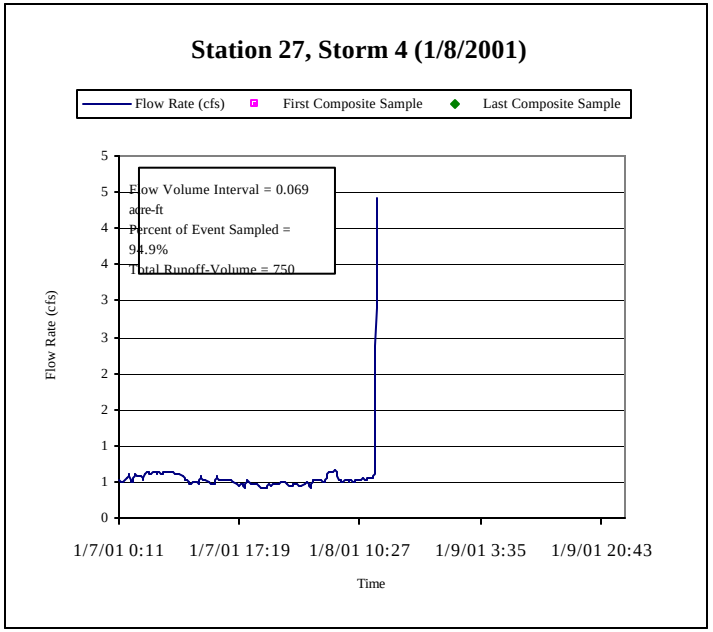

Station 26, Storm 11 (03/04/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 0%
Flow Rate (cfs)
14
12
10
8
6
4
2
0
3/3/01 0:17
3/3/01 17:25
3/4/01 10:33
3/5/01 3:41
Time

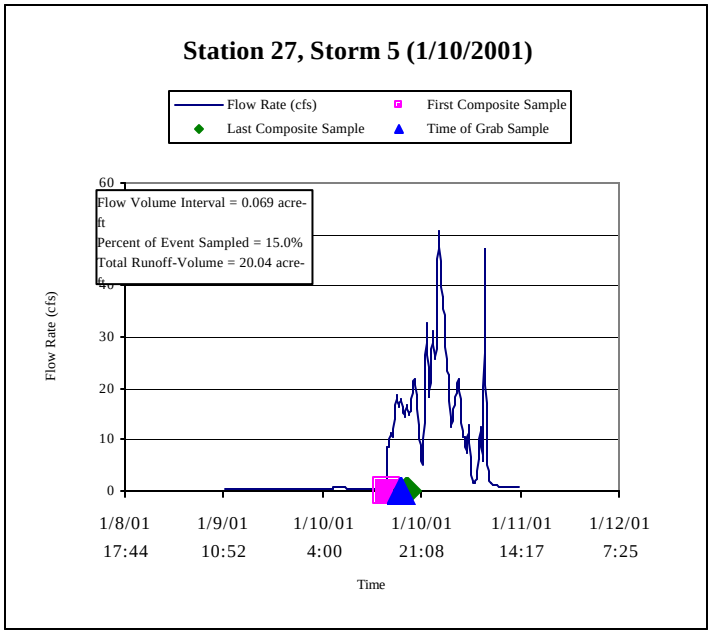

Station 26, Storm 12 (04/07/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.23 acre-ft
Percent of Event Sampled = 0%
Flow Rate (cfs)
60
50
40
30
20
10
0
4/6/01 0:10
4/6/01 17:18
4/7/01 10:26
4/8/01 3:34
4/8/01 20:42
Time

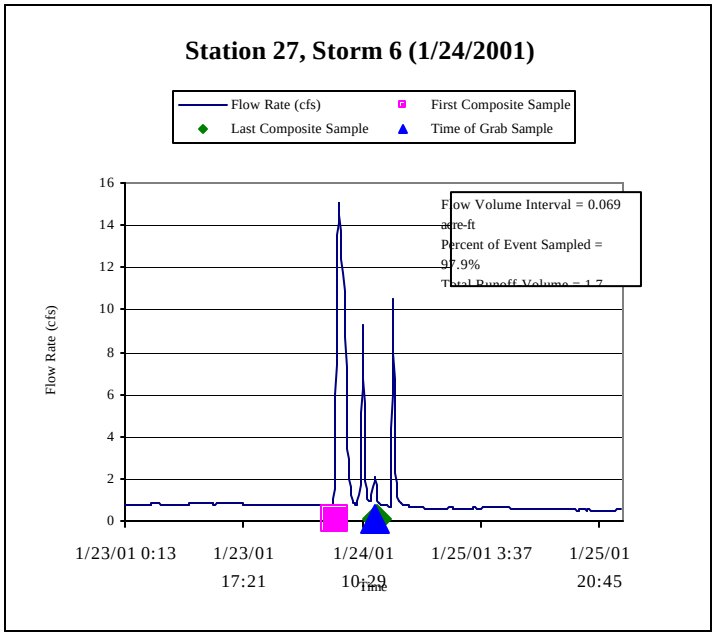

Station 27, Storm 1 (10/12/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled = 0%
Flow Rate (cfs)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10/10/0 0 0:04
10/10/0 0 17:12
10/11/0 0 10:20
10/12/0 0 3:28
10/12/0 0 20:36
10/13/0 0 13:44
10/14/0 0 6:53
10/15/0 0 0:01
Time

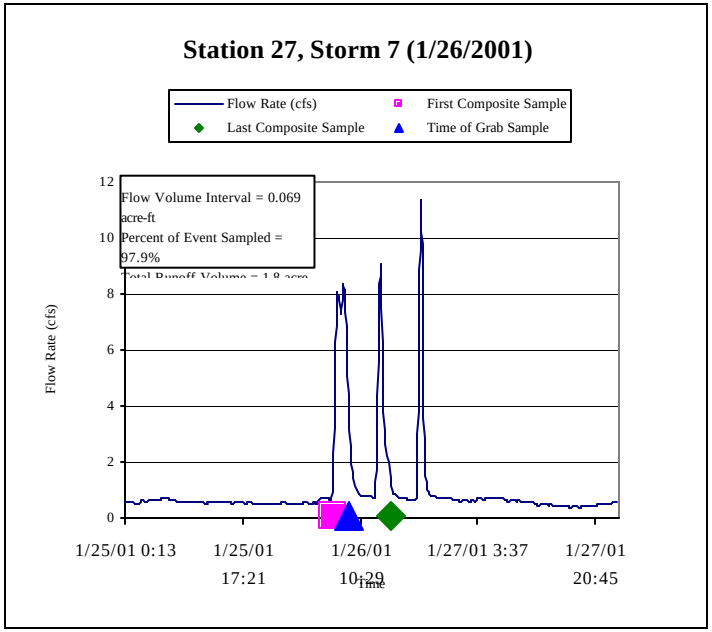

Station 27, Storm 2 (10/26/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled = 95.9%
Flow Rate (cfs)
25
20
15
10
5
0
10/25/00 0:11
10/25/00 17:19
10/26/00 10:27
10/27/00 3:35
Time

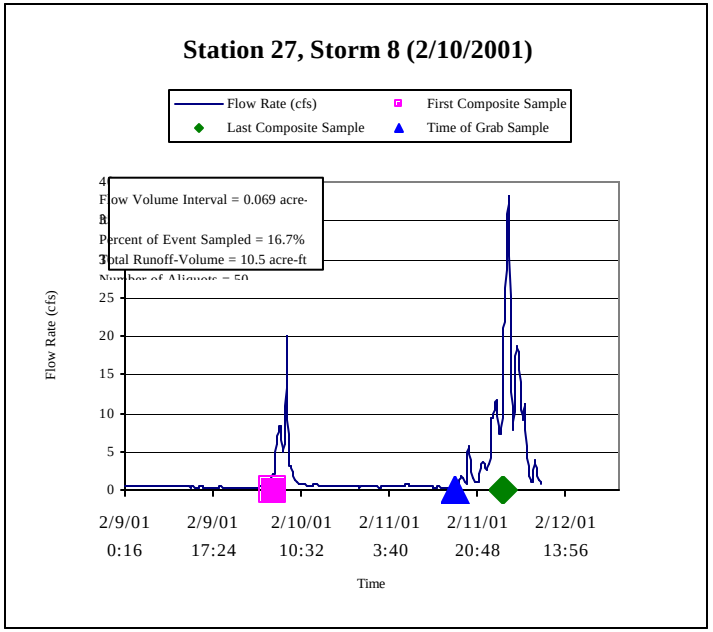

Station 27, Storm 3 (10/29/2000)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled = 93.7%
Total Runoff-Volume = 2.95 acre-ft
Number of Aliquots = 19
Flow Rate (cfs)
25
20
15
10
5
0
10/27/00 21:49
10/28/00 14:57
10/29/00 8:05
10/30/00 1:13
10/30/00 18:22
10/31/00 11:30
Time


Station 27, Storm 4 (1/8/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled = 94.9%
Total Runoff-Volume = 750
Flow Rate (cfs)
5
5
4
4
3
3
2
2
1
1
0
1/7/01 0:11
1/7/01 17:19
1/8/01 10:27
1/9/01 3:35
1/9/01 20:43
Time

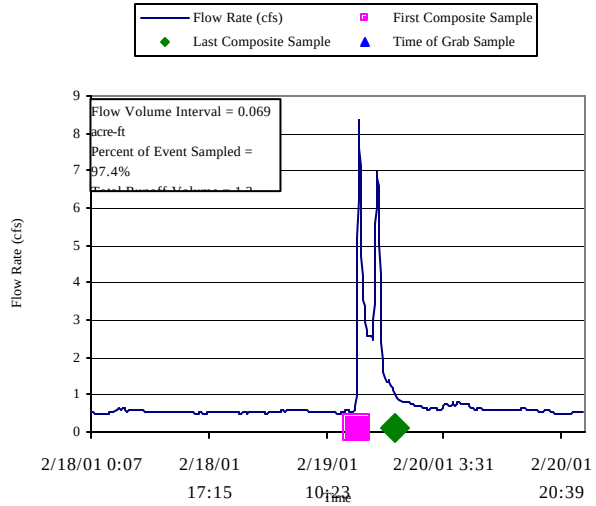

Station 27, Storm 5 (1/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled = 15.0%
Total Runoff-Volume = 20.04 acre-ft
Flow Rate (cfs)
60
30
20
10
0
1/8/01 17:44
1/9/01 10:52
1/10/01 4:00
1/10/01 21:08
1/11/01 14:17
1/12/01 7:25
Time


Station 27, Storm 6 (1/24/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled = 97.9%
Flow Rate (cfs)
16
14
12
10
8
6
4
2
0
1/23/01 0:13
1/23/01 17:21
1/24/01 10:29
1/25/01 3:37
1/25/01 20:45
Time

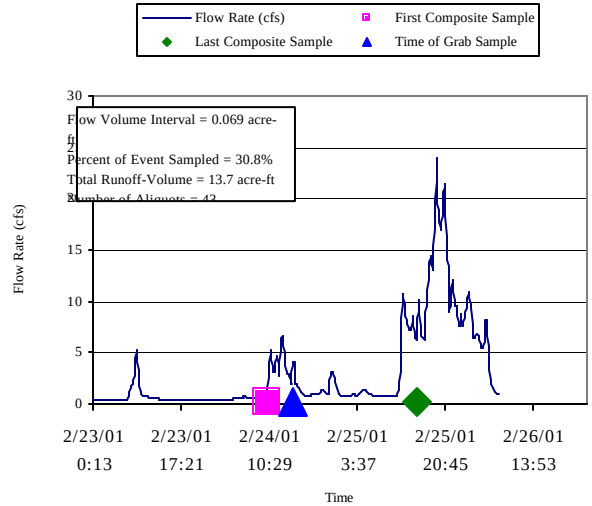

Station 27, Storm 7 (1/26/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled = 97.9%
Flow Rate (cfs)
12
10
8
6
4
2
0
1/25/01 0:13
1/25/01 17:21
1/26/01 10:29
1/27/01 3:37
1/27/01 20:45
Time


Station 27, Storm 8 (2/10/2001)
Flow Rate (cfs)
First Composite Sample
Last Composite Sample
Time of Grab Sample
Flow Volume Interval = 0.069 acre-ft
Percent of Event Sampled = 16.7%
Total Runoff-Volume = 10.5 acre-ft
Flow Rate (cfs)
25
20
15
10
5
0
2/9/01 0:16
2/9/01 17:24
2/10/01 10:32
2/11/01 3:40
2/11/01 20:48
2/12/01 13:56
Time

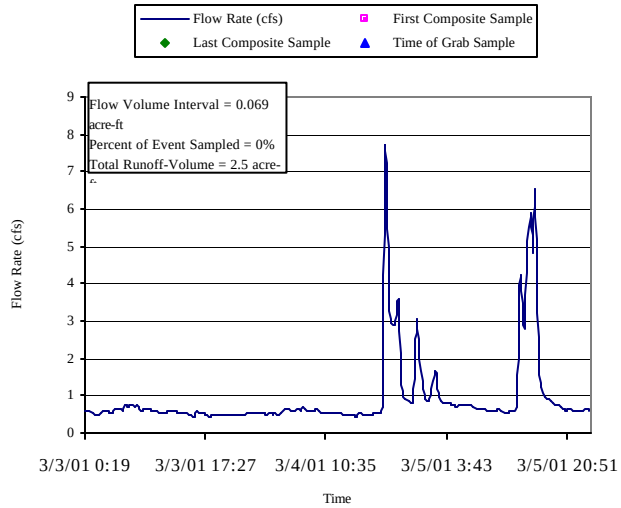
Station 27, Storm 9 (2/19/2001)



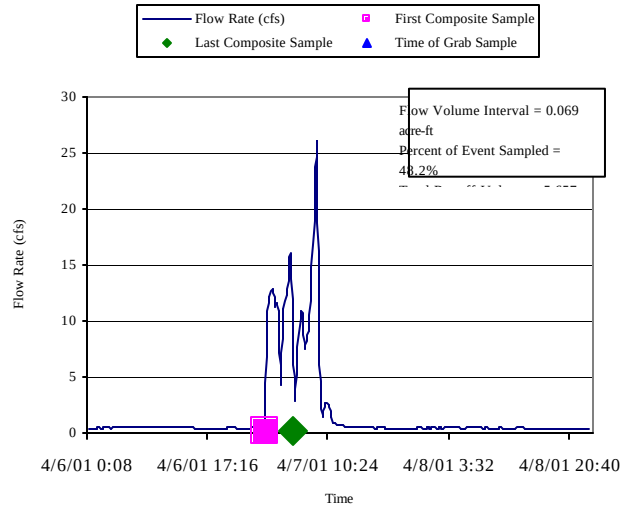
Station 27, Storm 10 (2/24/2001)



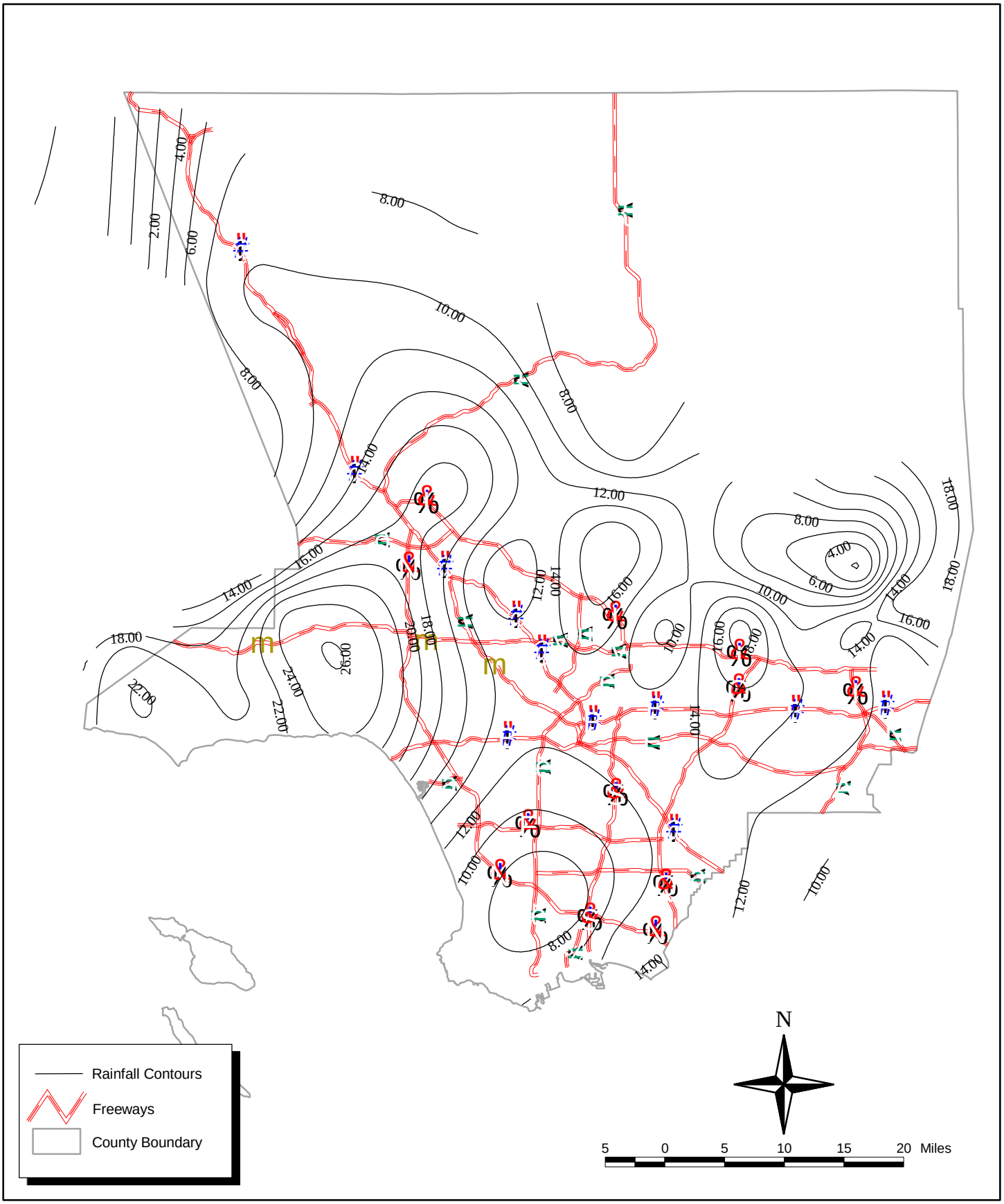
Station 27, Storm 11 (03/04/2001)



Station 27, Storm 12 (04/07/2001)

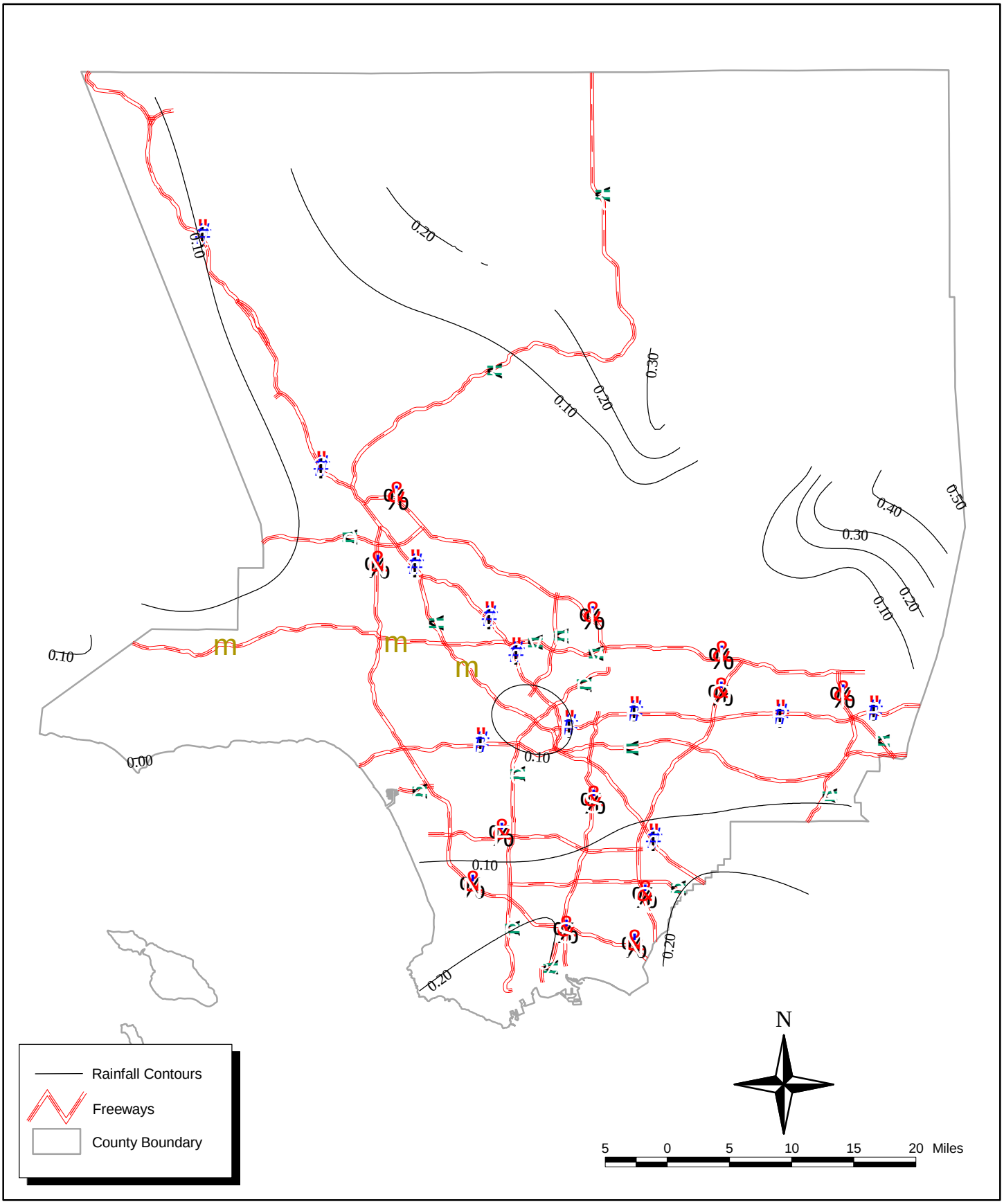


RAINFALL CONTOURS
2000 - 2001 STORM SEASON



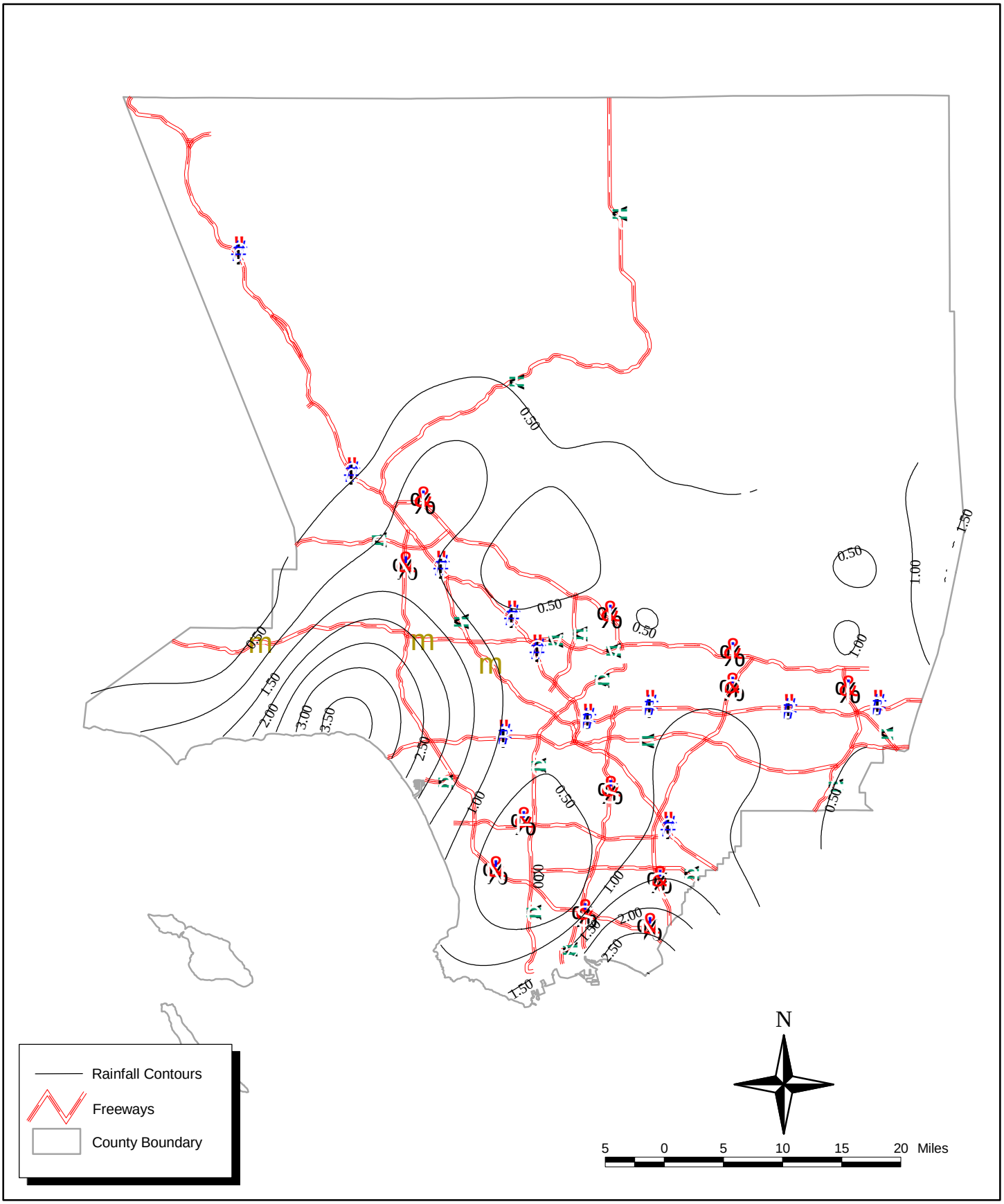
STORM EVENT DATE: 2001 Storm Season RUN DATE: 06/12/2001

RAINFALL CONTOURS
STORM EVENT DATE 10/12/2000



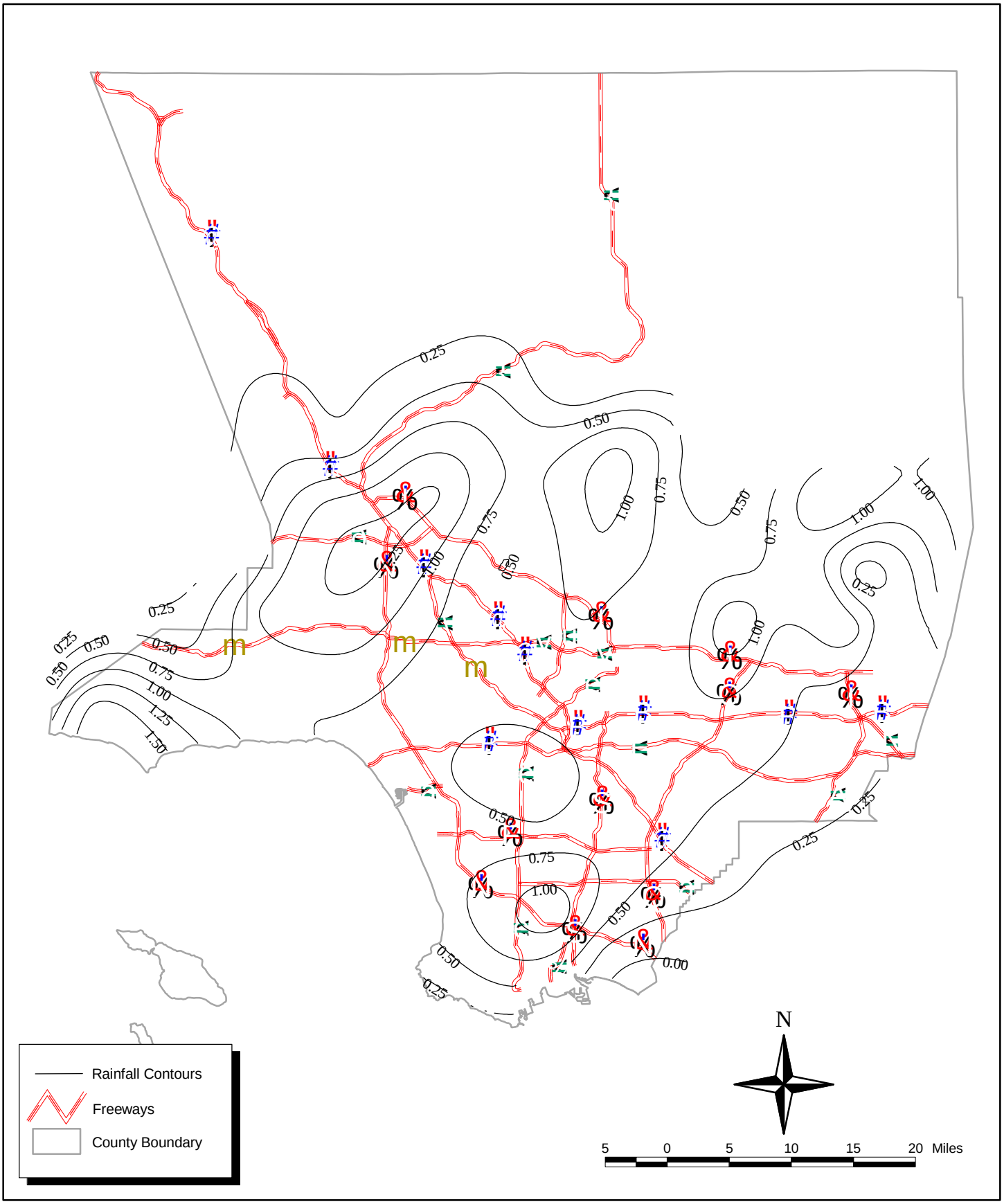
STORM EVENT DATE: 10/12/2000 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT DATE 10/26/2000



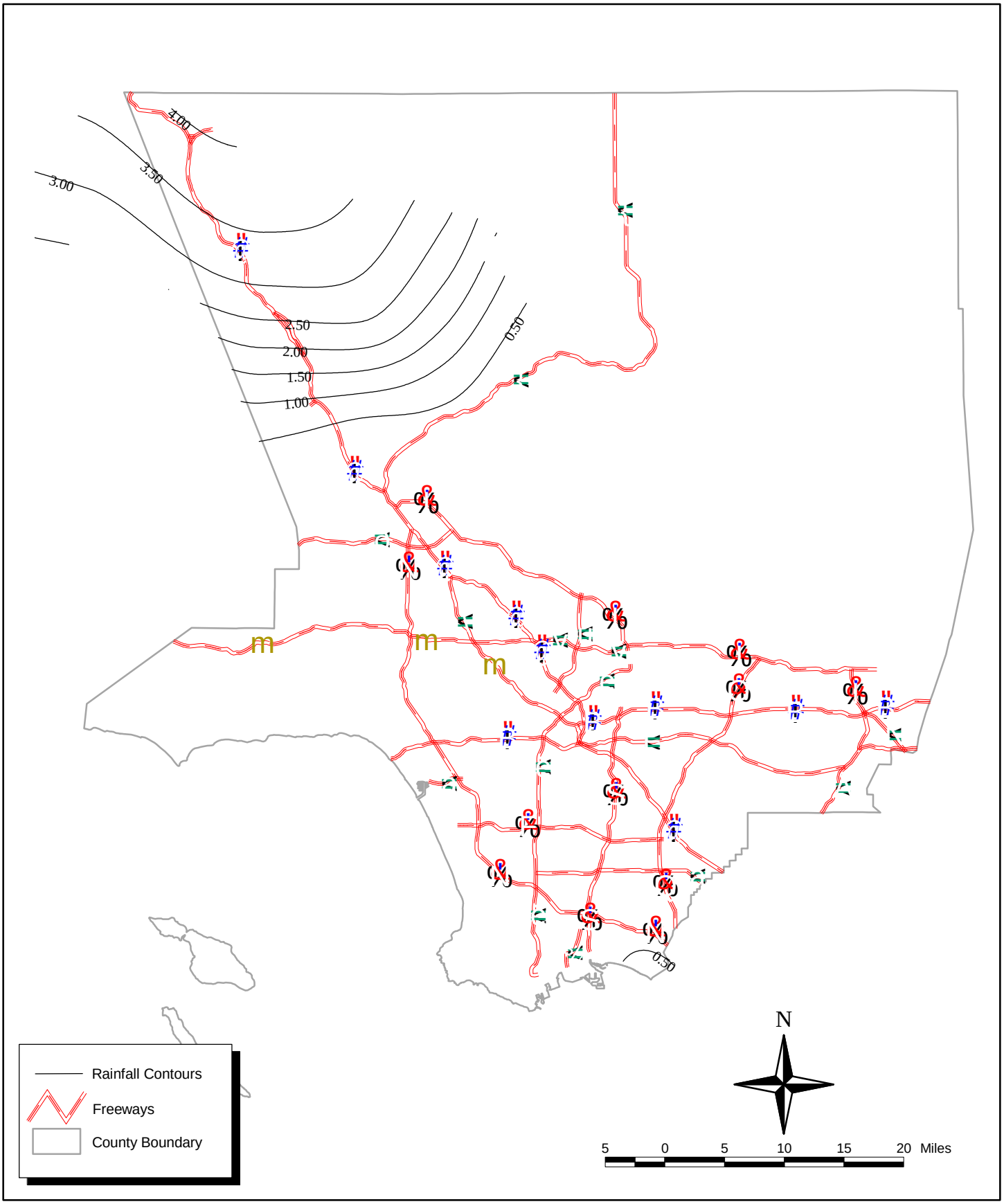
STORM EVENT DATE: 10/26/2000 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT DATE: 10/29/2000



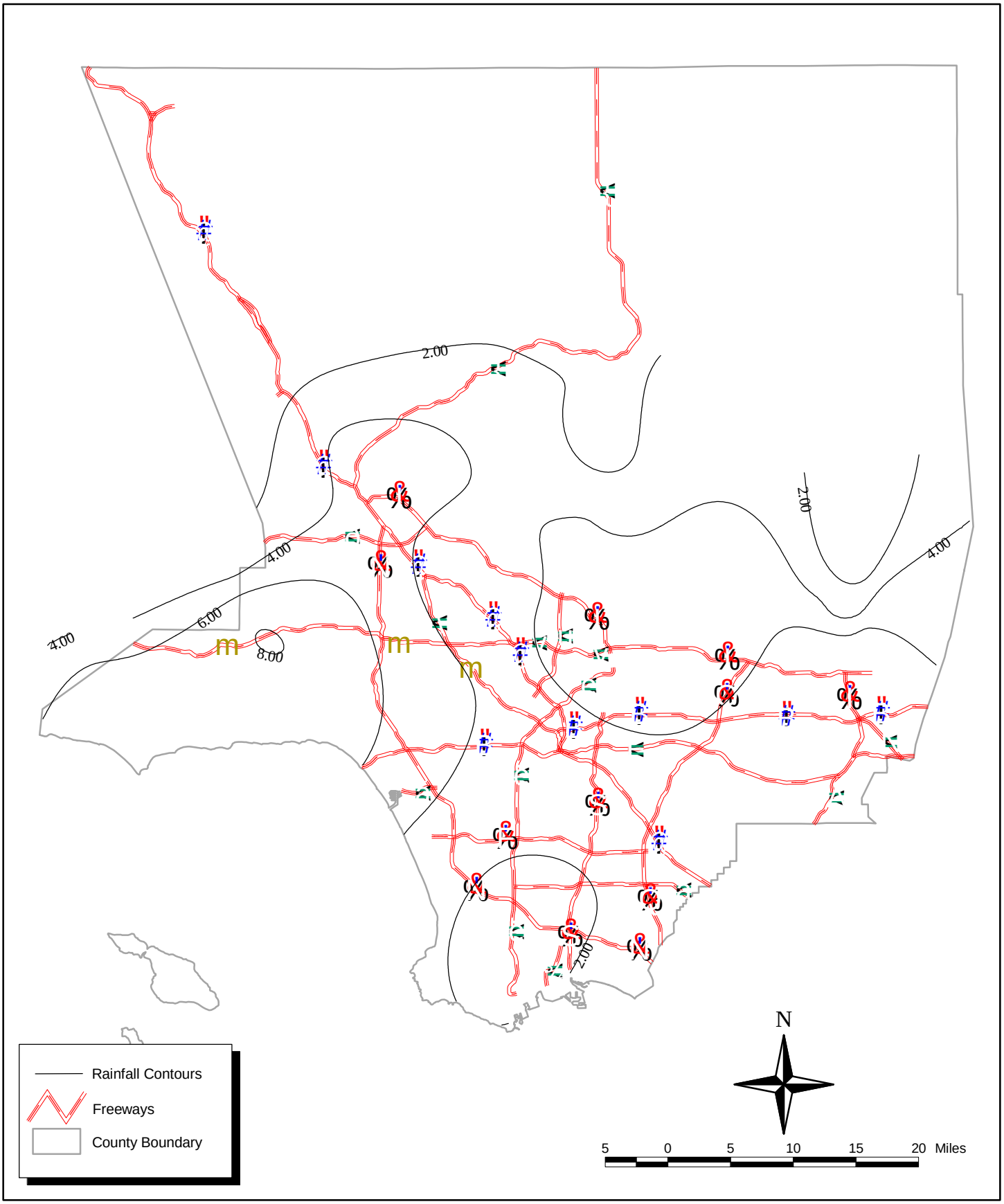
STORM EVENT DATE: 10/29/2000 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT DATE: 01/08/2001



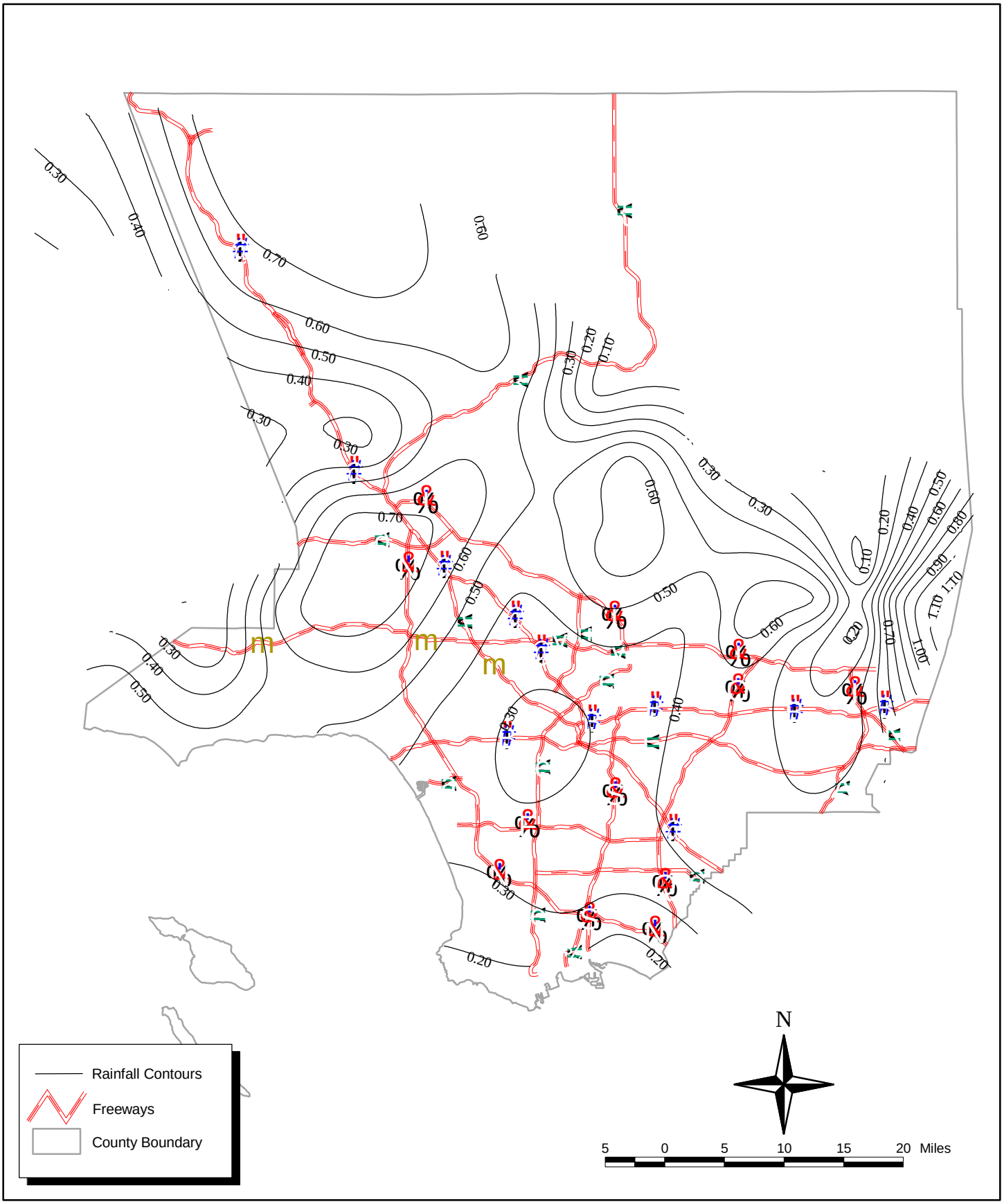
STORM EVENT DATE: 01/08/2001 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT: 01/10/2001



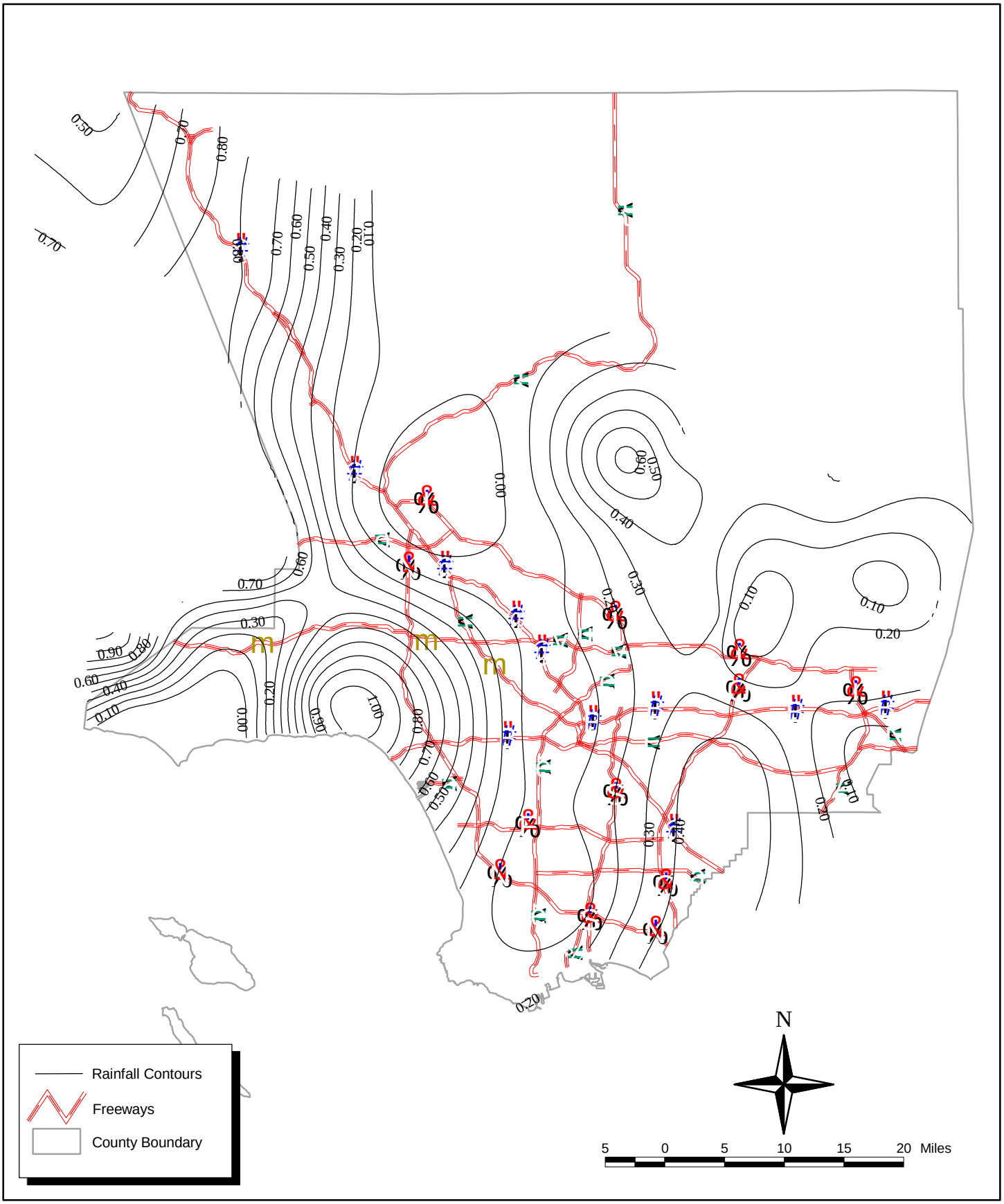
STORM EVENT DATE: 01/10/2001 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT DATE: 01/24/2001



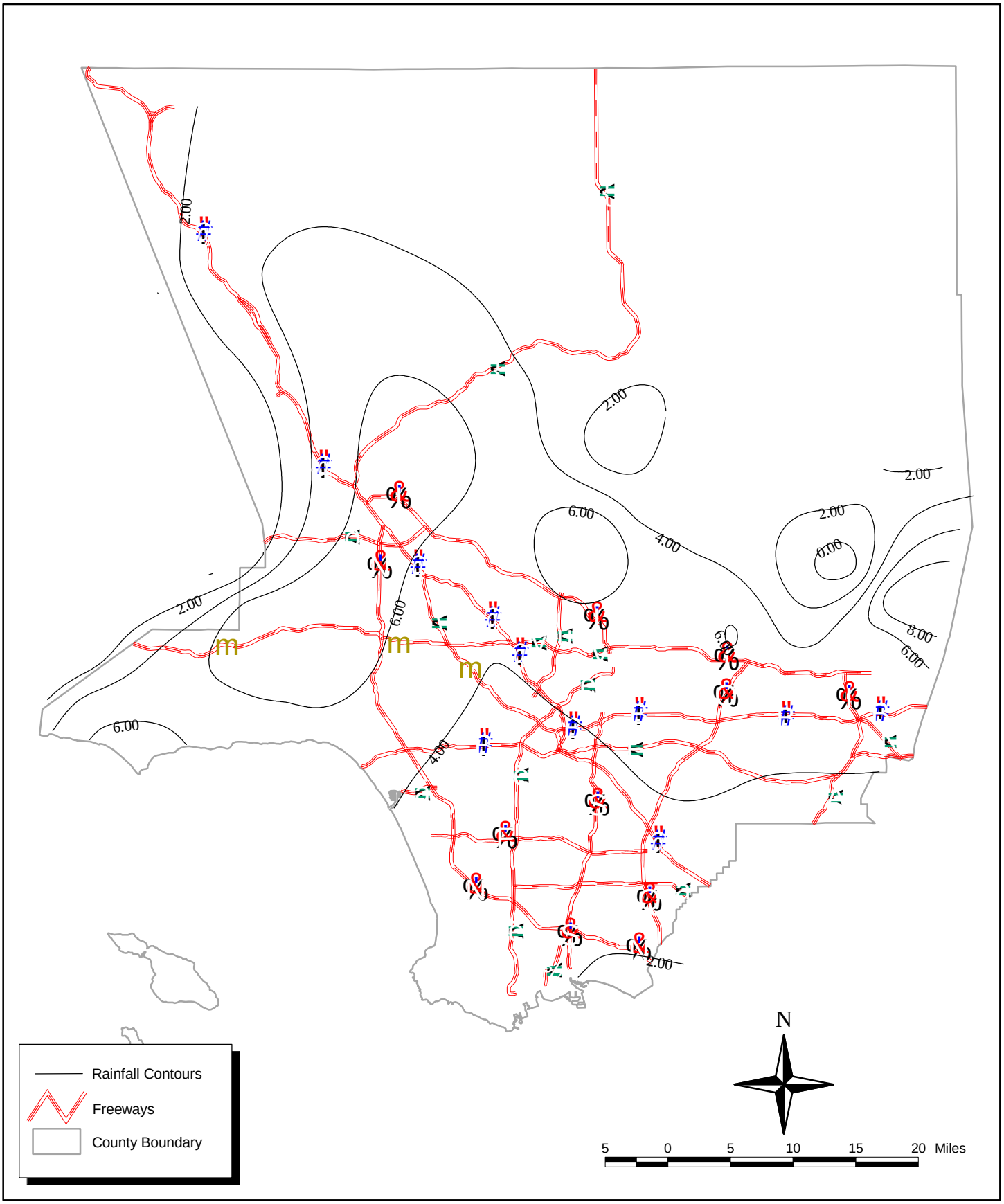
STORM EVENT DATE: 01/24/2001 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT DATE: 01/26/2001



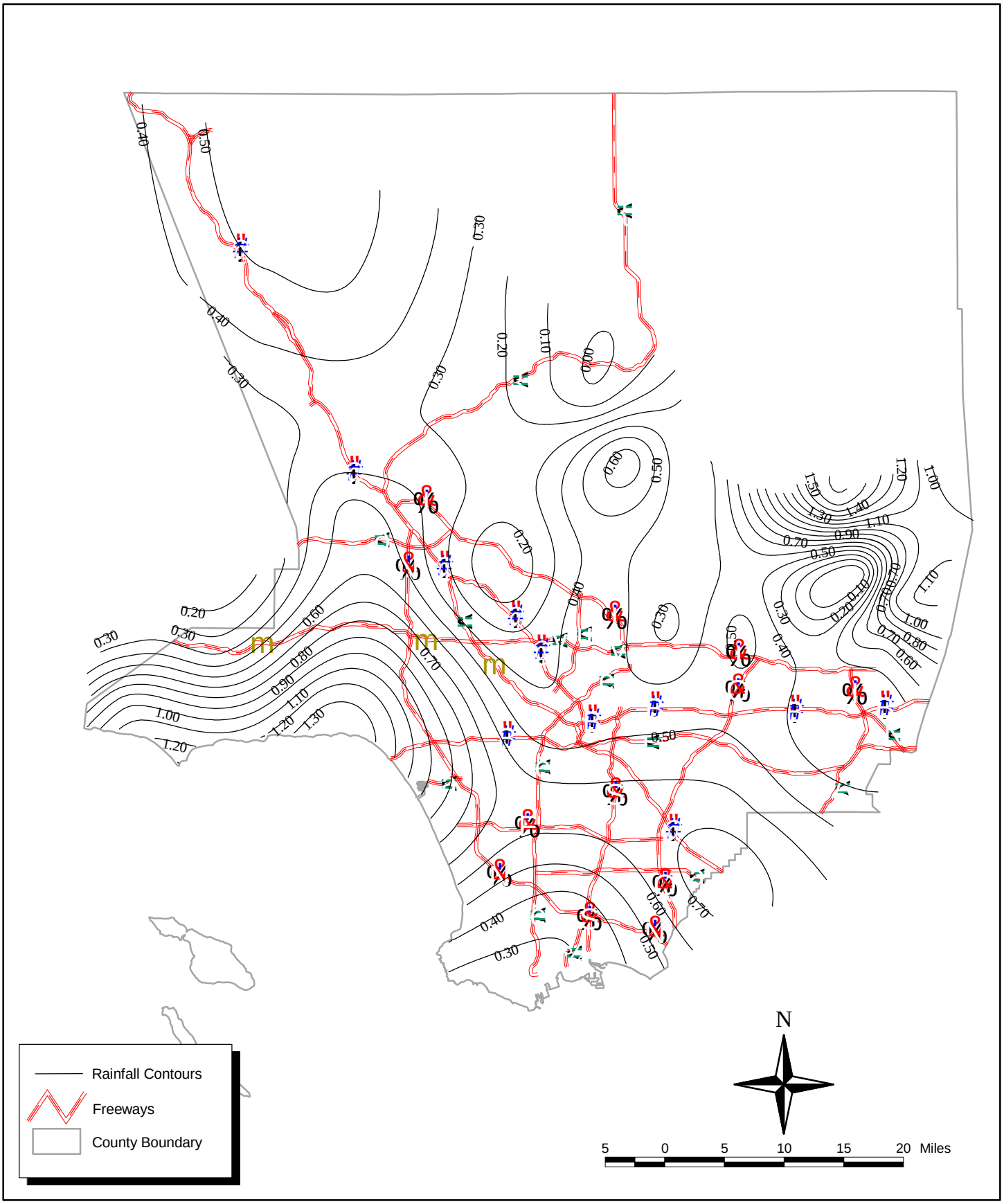
STORM EVENT DATE: 01/26/2001 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT DATE: 02/10/2001



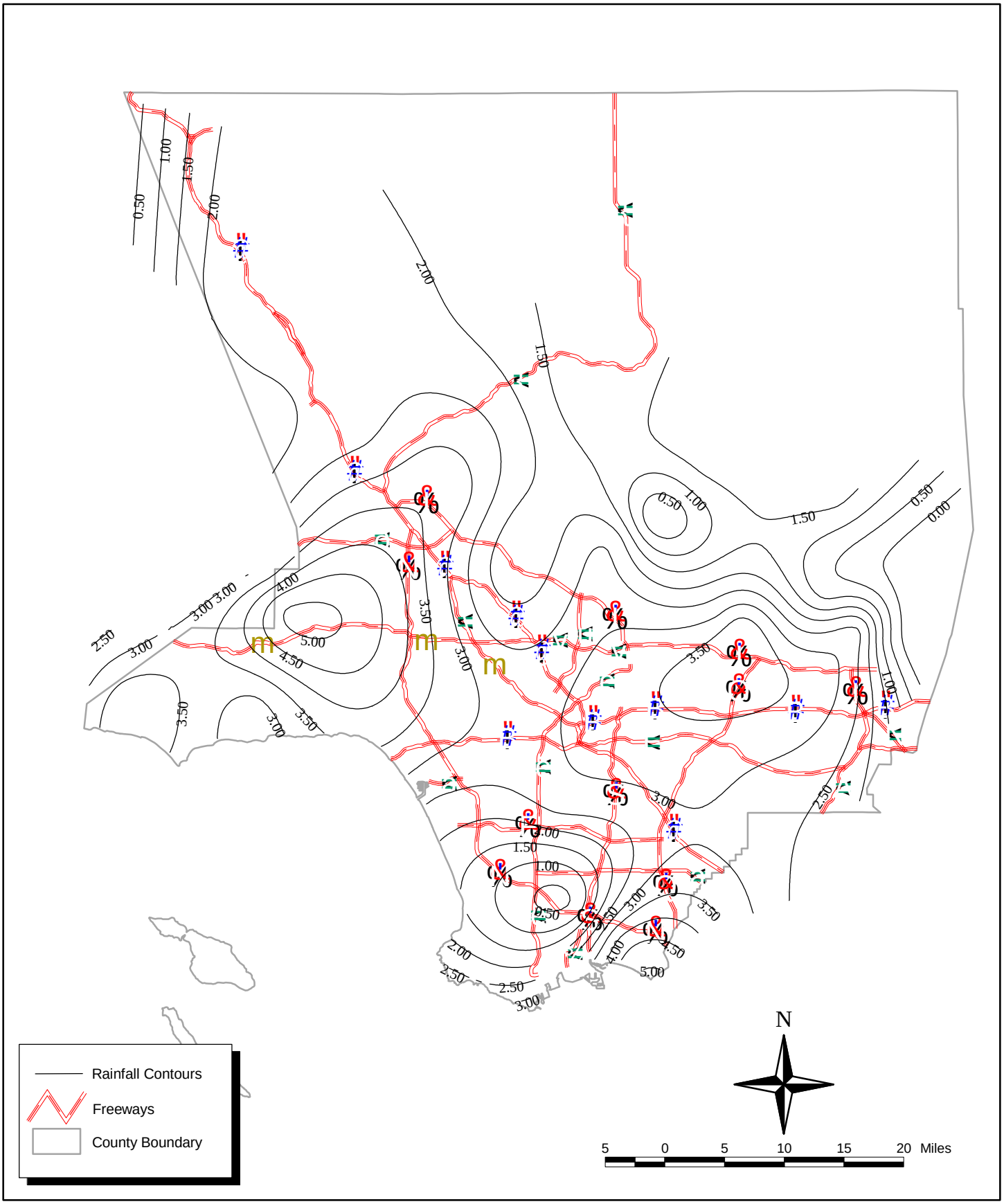
STORM EVENT DATE: 02/10/2001 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT DATE: 02/19/2001



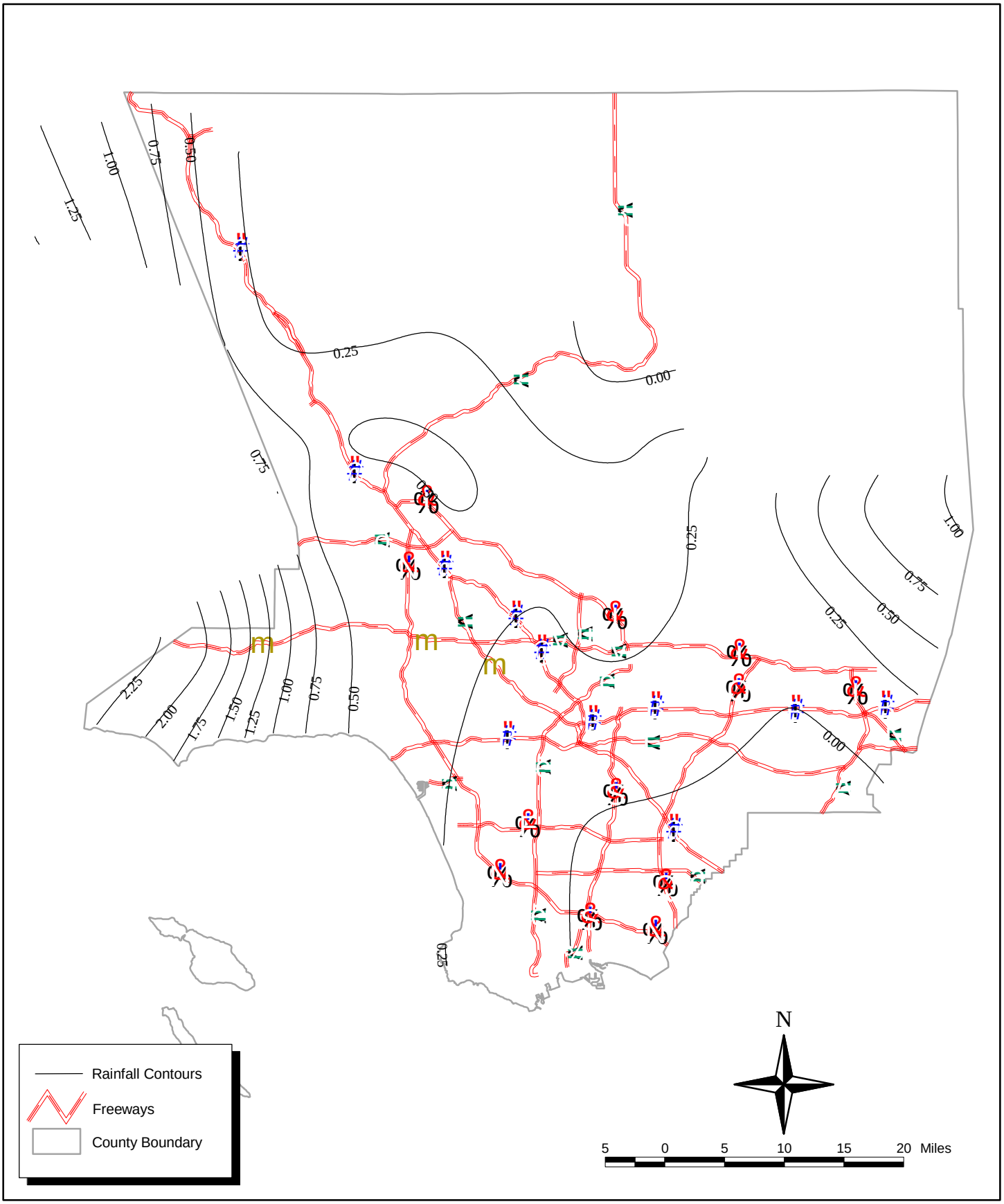
STORM EVENT DATE: 02/19/2001 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT DATE: 02/24/2001



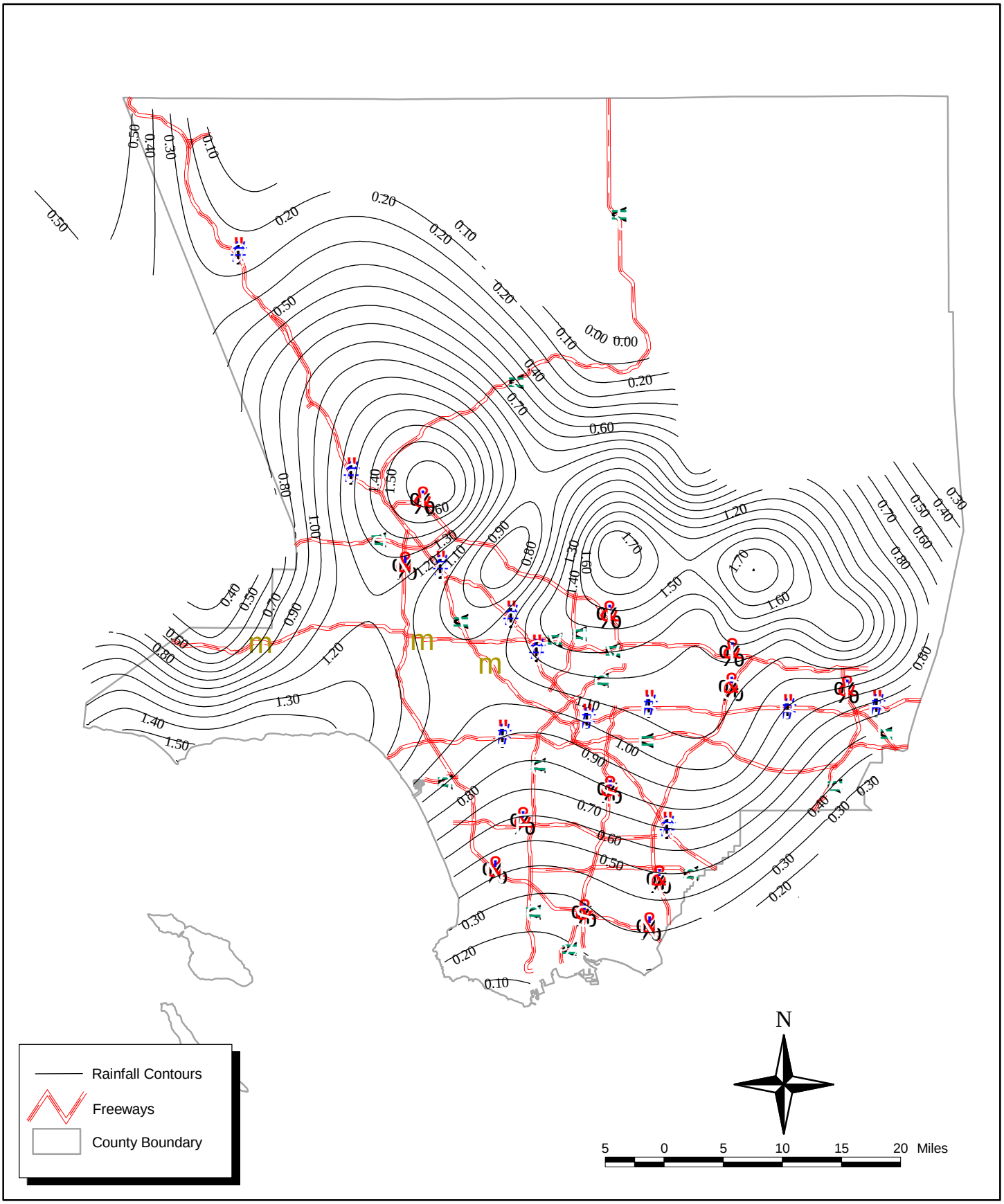
STORM EVENT DATE: 02/24/2001 RUN DATE: 06/11/2001

RAINFALL CONTOURS
STORM EVENT DATE: 03/04/2001



STORM EVENT DATE: 03/04/2001 RUN DATE: 06/12/2001

RAINFALL CONTOURS
STORM EVENT DATE: 04/07/2001



STORM EVENT DATE: 04/07/2001 RUN DATE: 06/12/2001