

**Table 3 Estimated discharge of Harpan Khola (Year 2000)**

Date	Discharge, m3/s
01-Jan-00	2.06
02-Jan-00	2.06
03-Jan-00	2.06
04-Jan-00	2.06
05-Jan-00	2.06
06-Jan-00	2.06
07-Jan-00	2.06
08-Jan-00	2.06
09-Jan-00	2.06
10-Jan-00	2.06
11-Jan-00	2.05
12-Jan-00	2.05
13-Jan-00	2.05
14-Jan-00	2.05
15-Jan-00	2.05
16-Jan-00	2.05
17-Jan-00	2.05
18-Jan-00	2.05
19-Jan-00	2.05
20-Jan-00	2.05
21-Jan-00	2.05
22-Jan-00	2.05
23-Jan-00	2.05
24-Jan-00	2.05
25-Jan-00	2.04
26-Jan-00	2.04
27-Jan-00	2.04
28-Jan-00	2.04
29-Jan-00	2.04
30-Jan-00	2.04
31-Jan-00	2.04
01-Feb-00	2.04
02-Feb-00	2.04
03-Feb-00	2.04
04-Feb-00	2.04
05-Feb-00	2.04
06-Feb-00	2.04
07-Feb-00	2.04
08-Feb-00	2.03
09-Feb-00	2.03
10-Feb-00	2.03
11-Feb-00	2.03
12-Feb-00	2.03
13-Feb-00	2.03
14-Feb-00	2.03
15-Feb-00	2.03
16-Feb-00	2.03
17-Feb-00	2.03
18-Feb-00	2.03
19-Feb-00	2.03
20-Feb-00	2.03
21-Feb-00	2.03
22-Feb-00	2.02
23-Feb-00	2.02

Date	Discharge, m3/s
24-Feb-00	2.02
25-Feb-00	2.02
26-Feb-00	2.02
27-Feb-00	2.02
28-Feb-00	2.02
29-Feb-00	2.02
01-Mar-00	2.02
02-Mar-00	2.02
03-Mar-00	2.02
04-Mar-00	2.02
05-Mar-00	2.02
06-Mar-00	2.01
07-Mar-00	2.01
08-Mar-00	2.01
09-Mar-00	2.01
10-Mar-00	2.01
11-Mar-00	2.01
12-Mar-00	2.01
13-Mar-00	2.07
14-Mar-00	2.07
15-Mar-00	2.06
16-Mar-00	2.05
17-Mar-00	2.04
18-Mar-00	2.03
19-Mar-00	2.02
20-Mar-00	2.02
21-Mar-00	2.01
22-Mar-00	2.01
23-Mar-00	2.01
24-Mar-00	2.08
25-Mar-00	2.07
26-Mar-00	2.05
27-Mar-00	2.04
28-Mar-00	2.03
29-Mar-00	2.03
30-Mar-00	2.02
31-Mar-00	2.01
01-Apr-00	2.00
02-Apr-00	2.00
03-Apr-00	2.00
04-Apr-00	1.99
05-Apr-00	1.99
06-Apr-00	1.99
07-Apr-00	1.99
08-Apr-00	1.99
09-Apr-00	1.99
10-Apr-00	1.99
11-Apr-00	2.00
12-Apr-00	1.99
13-Apr-00	1.99
14-Apr-00	1.99
15-Apr-00	2.02
16-Apr-00	2.01
17-Apr-00	2.06

Date	Discharge, m3/s
18-Apr-00	2.06
19-Apr-00	2.07
20-Apr-00	2.06
21-Apr-00	2.31
22-Apr-00	3.83
23-Apr-00	4.03
24-Apr-00	3.92
25-Apr-00	3.73
26-Apr-00	3.49
27-Apr-00	3.28
28-Apr-00	3.80
29-Apr-00	3.90
30-Apr-00	3.74
01-May-00	3.50
02-May-00	3.96
03-May-00	3.70
04-May-00	3.47
05-May-00	3.26
06-May-00	3.07
07-May-00	3.20
08-May-00	3.02
09-May-00	2.85
10-May-00	2.70
11-May-00	2.57
12-May-00	3.39
13-May-00	3.19
14-May-00	3.05
15-May-00	2.88
16-May-00	3.40
17-May-00	3.21
18-May-00	3.50
19-May-00	3.67
20-May-00	4.08
21-May-00	3.88
22-May-00	4.63
23-May-00	5.14
24-May-00	16.49
25-May-00	8.76
26-May-00	14.80
27-May-00	13.73
28-May-00	15.04
29-May-00	15.75
30-May-00	23.85
31-May-00	12.38
01-Jun-00	19.37
02-Jun-00	9.47
03-Jun-00	15.69
04-Jun-00	9.04
05-Jun-00	13.67
06-Jun-00	7.77
07-Jun-00	14.07
08-Jun-00	15.08
09-Jun-00	22.57
10-Jun-00	11.09
11-Jun-00	18.60
12-Jun-00	10.16
13-Jun-00	15.21

Date	Discharge, m3/s
14-Jun-00	12.41
15-Jun-00	17.76
16-Jun-00	14.47
17-Jun-00	19.89
18-Jun-00	10.90
19-Jun-00	16.69
20-Jun-00	8.33
21-Jun-00	26.54
22-Jun-00	20.98
23-Jun-00	24.31
24-Jun-00	13.70
25-Jun-00	26.10
26-Jun-00	9.86
27-Jun-00	22.03
28-Jun-00	8.34
29-Jun-00	23.27
30-Jun-00	8.05
01-Jul-00	20.45
02-Jul-00	8.88
03-Jul-00	15.26
04-Jul-00	13.75
05-Jul-00	21.08
06-Jul-00	16.84
07-Jul-00	35.59
08-Jul-00	14.61
09-Jul-00	31.38
10-Jul-00	16.10
11-Jul-00	34.96
12-Jul-00	11.74
13-Jul-00	21.93
14-Jul-00	10.54
15-Jul-00	23.24
16-Jul-00	9.25
17-Jul-00	15.36
18-Jul-00	8.30
19-Jul-00	18.10
20-Jul-00	8.03
21-Jul-00	10.23
22-Jul-00	7.63
23-Jul-00	8.53
24-Jul-00	33.19
25-Jul-00	12.77
26-Jul-00	23.71
27-Jul-00	11.46
28-Jul-00	16.33
29-Jul-00	13.04
30-Jul-00	10.92
31-Jul-00	17.24
01-Aug-00	15.69
02-Aug-00	16.31
03-Aug-00	13.29
04-Aug-00	23.78
05-Aug-00	14.59
06-Aug-00	30.76
07-Aug-00	21.00
08-Aug-00	33.36
09-Aug-00	14.77

Date	Discharge, m3/s
10-Aug-00	36.64
11-Aug-00	12.33
12-Aug-00	32.71
13-Aug-00	10.18
14-Aug-00	23.37
15-Aug-00	9.45
16-Aug-00	16.82
17-Aug-00	8.45
18-Aug-00	9.75
19-Aug-00	10.17
20-Aug-00	7.29
21-Aug-00	27.31
22-Aug-00	11.61
23-Aug-00	23.00
24-Aug-00	14.96
25-Aug-00	26.90
26-Aug-00	10.98
27-Aug-00	28.59
28-Aug-00	16.75
29-Aug-00	29.45
30-Aug-00	16.32
31-Aug-00	29.08
01-Sep-00	12.11
02-Sep-00	30.36
03-Sep-00	9.84
04-Sep-00	20.51
05-Sep-00	10.46
06-Sep-00	15.01
07-Sep-00	7.86
08-Sep-00	20.67
09-Sep-00	8.23
10-Sep-00	13.09
11-Sep-00	7.28
12-Sep-00	9.46
13-Sep-00	6.29
14-Sep-00	5.87
15-Sep-00	6.49
16-Sep-00	6.07
17-Sep-00	6.17
18-Sep-00	11.20
19-Sep-00	10.53
20-Sep-00	16.55
21-Sep-00	8.67
22-Sep-00	10.63
23-Sep-00	7.49
24-Sep-00	16.86
25-Sep-00	10.73
26-Sep-00	13.33
27-Sep-00	8.58
28-Sep-00	8.81
29-Sep-00	9.84
30-Sep-00	8.45
01-Oct-00	6.60
02-Oct-00	6.15
03-Oct-00	8.69
04-Oct-00	6.46
05-Oct-00	5.90

Date	Discharge, m3/s
06-Oct-00	5.53
07-Oct-00	5.19
08-Oct-00	4.89
09-Oct-00	4.73
10-Oct-00	4.65
11-Oct-00	4.81
12-Oct-00	4.54
13-Oct-00	4.30
14-Oct-00	4.10
15-Oct-00	4.02
16-Oct-00	3.83
17-Oct-00	3.67
18-Oct-00	3.51
19-Oct-00	3.38
20-Oct-00	3.25
21-Oct-00	3.14
22-Oct-00	3.04
23-Oct-00	4.10
24-Oct-00	4.11
25-Oct-00	3.92
26-Oct-00	3.75
27-Oct-00	3.59
28-Oct-00	3.44
29-Oct-00	3.31
30-Oct-00	3.20
31-Oct-00	3.09
01-Nov-00	3.00
02-Nov-00	2.91
03-Nov-00	2.85
04-Nov-00	2.83
05-Nov-00	2.82
06-Nov-00	2.81
07-Nov-00	2.80
08-Nov-00	2.79
09-Nov-00	2.78
10-Nov-00	2.77
11-Nov-00	2.76
12-Nov-00	2.75
13-Nov-00	2.75
14-Nov-00	2.83
15-Nov-00	2.81
16-Nov-00	2.80
17-Nov-00	2.79
18-Nov-00	2.78
19-Nov-00	2.77
20-Nov-00	2.77
21-Nov-00	2.76
22-Nov-00	2.75
23-Nov-00	2.74
24-Nov-00	2.74
25-Nov-00	2.74
26-Nov-00	2.74
27-Nov-00	2.73
28-Nov-00	2.73
29-Nov-00	2.73
30-Nov-00	2.73

Date	Discharge, m3/s
01-Dec-00	2.73
02-Dec-00	2.73
03-Dec-00	2.73
04-Dec-00	2.73
05-Dec-00	2.73
06-Dec-00	2.73
07-Dec-00	2.72
08-Dec-00	2.72
09-Dec-00	2.72
10-Dec-00	2.72
11-Dec-00	2.72
12-Dec-00	2.72
13-Dec-00	2.72
14-Dec-00	2.72
15-Dec-00	2.72
16-Dec-00	2.72
17-Dec-00	2.71
18-Dec-00	2.71
19-Dec-00	2.71
20-Dec-00	2.71
21-Dec-00	2.71
22-Dec-00	2.71
23-Dec-00	2.71
24-Dec-00	2.71
25-Dec-00	2.71
26-Dec-00	2.71
27-Dec-00	2.71
28-Dec-00	2.70
29-Dec-00	2.70
30-Dec-00	2.70
31-Dec-00	2.70

Date	Discharge, m3/s
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Table 4 Estimated Daily runoff loads from Harpan Khoja

Date	Runoff Load, g/s		
	BOD	TN	TP
01-Jan-00	12.32	7.25	11.76
02-Jan-00	12.31	7.24	11.75
03-Jan-00	12.30	7.24	11.75
04-Jan-00	12.29	7.24	11.75
05-Jan-00	12.28	7.24	11.75
06-Jan-00	12.28	7.24	11.74
07-Jan-00	12.27	7.24	11.74
08-Jan-00	12.26	7.24	11.74
09-Jan-00	12.25	7.24	11.73
10-Jan-00	12.24	7.23	11.73
11-Jan-00	12.24	7.23	11.73
12-Jan-00	12.23	7.23	11.73
13-Jan-00	12.22	7.23	11.72
14-Jan-00	12.21	7.23	11.72
15-Jan-00	12.20	7.23	11.72
16-Jan-00	12.19	7.23	11.72
17-Jan-00	12.19	7.23	11.71
18-Jan-00	12.18	7.22	11.71
19-Jan-00	12.17	7.22	11.71
20-Jan-00	12.16	7.22	11.70
21-Jan-00	12.15	7.22	11.70
22-Jan-00	12.15	7.22	11.70
23-Jan-00	12.14	7.22	11.70
24-Jan-00	12.13	7.22	11.69
25-Jan-00	12.12	7.21	11.69
26-Jan-00	12.11	7.21	11.69
27-Jan-00	12.11	7.21	11.68
28-Jan-00	12.10	7.21	11.68
29-Jan-00	12.09	7.21	11.68
30-Jan-00	12.08	7.21	11.68
31-Jan-00	12.07	7.21	11.67
01-Feb-00	12.07	7.21	11.67
02-Feb-00	12.06	7.20	11.67
03-Feb-00	12.05	7.20	11.67
04-Feb-00	12.04	7.20	11.66
05-Feb-00	12.03	7.20	11.66
06-Feb-00	12.03	7.20	11.66
07-Feb-00	12.02	7.20	11.65
08-Feb-00	12.01	7.20	11.65
09-Feb-00	12.00	7.20	11.65
10-Feb-00	11.99	7.19	11.65
11-Feb-00	11.99	7.19	11.64
12-Feb-00	11.98	7.19	11.64
13-Feb-00	11.97	7.19	11.64
14-Feb-00	11.96	7.19	11.63
15-Feb-00	11.95	7.19	11.63
16-Feb-00	11.95	7.19	11.63
17-Feb-00	11.94	7.19	11.63
18-Feb-00	11.93	7.18	11.62
19-Feb-00	11.92	7.18	11.62
20-Feb-00	11.91	7.18	11.62
21-Feb-00	11.91	7.18	11.62
22-Feb-00	11.90	7.18	11.61
23-Feb-00	11.89	7.18	11.61
24-Feb-00	11.88	7.18	11.61
25-Feb-00	11.87	7.17	11.60
26-Feb-00	11.87	7.17	11.60
27-Feb-00	11.86	7.17	11.60
28-Feb-00	11.85	7.17	11.60
29-Feb-00	11.84	7.17	11.59
01-Mar-00	11.83	7.17	11.59
02-Mar-00	11.83	7.17	11.59
03-Mar-00	11.86	7.17	11.60
04-Mar-00	11.81	7.16	11.58
05-Mar-00	11.80	7.16	11.58
06-Mar-00	11.80	7.16	11.58
07-Mar-00	11.79	7.16	11.57
08-Mar-00	11.78	7.16	11.57
09-Mar-00	11.77	7.16	11.57
10-Mar-00	11.76	7.16	11.57
11-Mar-00	11.76	7.16	11.56
12-Mar-00	11.75	7.15	11.56
24-May-00	613.67	20.92	47.34
25-May-00	186.94	15.15	30.99
26-May-00	500.94	19.80	44.04
27-May-00	434.84	19.05	41.87
28-May-00	516.48	19.97	44.52
29-May-00	563.29	20.44	45.92

Date	Runoff Load, g/s		
	BOD	TN	TP
13-Mar-00	12.39	7.26	11.78
14-Mar-00	12.39	7.26	11.78
15-Mar-00	12.28	7.24	11.75
16-Mar-00	12.19	7.23	11.71
17-Mar-00	12.08	7.21	11.68
18-Mar-00	11.99	7.19	11.64
19-Mar-00	11.90	7.18	11.61
20-Mar-00	11.82	7.17	11.58
21-Mar-00	11.74	7.15	11.56
22-Mar-00	11.70	7.15	11.54
23-Mar-00	11.71	7.15	11.55
24-Mar-00	12.52	7.28	11.82
25-Mar-00	12.37	7.25	11.77
26-Mar-00	12.23	7.23	11.73
27-Mar-00	12.11	7.21	11.69
28-Mar-00	12.00	7.20	11.65
29-Mar-00	11.91	7.18	11.62
30-Mar-00	11.82	7.17	11.58
31-Mar-00	11.74	7.15	11.56
01-Apr-00	11.66	7.14	11.53
02-Apr-00	11.60	7.13	11.51
03-Apr-00	11.58	7.13	11.50
04-Apr-00	11.57	7.12	11.50
05-Apr-00	11.56	7.12	11.50
06-Apr-00	11.55	7.12	11.49
07-Apr-00	11.55	7.12	11.49
08-Apr-00	11.54	7.12	11.49
09-Apr-00	11.53	7.12	11.48
10-Apr-00	11.52	7.12	11.48
11-Apr-00	11.65	7.14	11.53
12-Apr-00	11.58	7.13	11.50
13-Apr-00	11.51	7.11	11.48
14-Apr-00	11.49	7.11	11.47
15-Apr-00	11.83	7.17	11.59
16-Apr-00	11.74	7.15	11.56
17-Apr-00	12.31	7.25	11.76
18-Apr-00	12.26	7.24	11.74
19-Apr-00	12.44	7.27	11.80
20-Apr-00	12.29	7.24	11.75
21-Apr-00	15.20	7.67	12.67
22-Apr-00	39.44	9.94	17.80
23-Apr-00	43.43	10.20	18.42
24-Apr-00	41.30	10.06	18.09
25-Apr-00	37.55	9.80	17.49
26-Apr-00	33.21	9.48	16.74
27-Apr-00	29.53	9.19	16.06
28-Apr-00	38.96	9.90	17.72
29-Apr-00	40.82	10.03	18.02
30-Apr-00	37.74	9.82	17.52
01-May-00	33.38	9.50	16.77
02-May-00	42.04	10.11	18.21
03-May-00	37.02	9.77	17.40
04-May-00	32.78	9.45	16.67
05-May-00	29.16	9.16	15.98
06-May-00	26.07	8.88	15.36
07-May-00	28.15	9.07	15.78
08-May-00	25.19	8.80	15.17
09-May-00	22.68	8.55	14.61
10-May-00	20.50	8.32	14.10
11-May-00	18.64	8.11	13.63
12-May-00	31.36	9.34	16.40
13-May-00	27.94	9.05	15.74
14-May-00	25.70	8.85	15.28
15-May-00	23.11	8.59	14.71
16-May-00	31.62	9.36	16.45
17-May-00	28.32	9.08	15.82
18-May-00	33.39	9.50	16.78
19-May-00	36.38	9.72	17.30
20-May-00	44.43	10.26	18.57
21-May-00	40.51	10.01	17.97
22-May-00	56.36	10.95	20.21
23-May-00	68.70	11.55	21.69
06-Aug-00	1982.40	28.76	71.90
07-Aug-00	967.38	23.67	55.68
08-Aug-00	2308.06	29.97	75.90
09-Aug-00	499.04	19.78	43.98
10-Aug-00	2754.21	31.44	80.84
11-Aug-00	355.23	18.04	38.96

Date	Runoff Load, g/s		
	BOD	TN	TP
30-May-00	1228.90	25.26	60.63
31-May-00	358.04	18.08	39.07
01-Jun-00	830.75	22.71	52.74
02-Jun-00	216.46	15.77	32.85
03-Jun-00	559.13	20.40	45.80
04-Jun-00	198.46	15.40	31.66
05-Jun-00	431.46	19.01	41.75
06-Jun-00	149.20	14.28	28.60
07-Jun-00	455.31	19.29	42.58
08-Jun-00	518.64	19.99	44.59
09-Jun-00	1107.31	24.55	58.42
10-Jun-00	291.18	17.09	36.29
11-Jun-00	769.94	22.25	51.33
12-Jun-00	246.79	16.34	34.22
13-Jun-00	527.26	20.08	44.85
14-Jun-00	359.76	18.10	39.14
15-Jun-00	705.82	21.73	49.76
16-Jun-00	479.94	19.57	43.37
17-Jun-00	872.99	23.02	53.68
18-Jun-00	281.67	16.94	35.37
19-Jun-00	627.57	21.05	47.72
20-Jun-00	169.85	14.77	29.95
21-Jun-00	1501.89	26.67	65.13
22-Jun-00	965.28	23.66	55.63
23-Jun-00	1273.80	25.51	61.41
24-Jun-00	433.43	19.04	41.82
25-Jun-00	1672.59	27.46	67.67
26-Jun-00	233.50	16.10	33.55
27-Jun-00	1058.01	24.25	57.48
28-Jun-00	170.29	14.78	29.98
29-Jun-00	1172.54	24.94	59.63
30-Jun-00	159.42	14.51	29.28
01-Jul-00	919.95	23.35	54.69
02-Jul-00	191.57	15.26	31.26
03-Jul-00	530.64	20.11	44.95
04-Jul-00	436.37	19.07	41.92
05-Jul-00	973.85	23.71	55.81
06-Jul-00	638.84	21.15	48.02
07-Jul-00	2607.17	30.97	79.27
08-Jul-00	488.83	19.67	43.65
09-Jul-00	2057.89	29.05	72.86
10-Jul-00	587.14	20.67	46.60
11-Jul-00	2520.92	30.69	78.33
12-Jul-00	323.92	17.59	37.70
13-Jul-00	1048.79	24.20	57.30
14-Jul-00	264.44	16.65	35.07
15-Jul-00	1170.50	24.93	59.59
16-Jul-00	207.00	15.58	32.14
17-Jul-00	537.11	20.18	45.14
18-Jul-00	168.71	14.74	29.88
19-Jul-00	731.09	21.94	50.39
20-Jul-00	158.61	14.49	29.23
21-Jul-00	250.19	16.40	34.38
22-Jul-00	144.01	14.12	28.24
23-Jul-00	177.69	14.95	30.44
24-Jul-00	2287.19	29.89	75.66
25-Jul-00	379.70	18.37	39.90
26-Jul-00	1214.77	25.18	60.38
27-Jul-00	309.57	17.38	37.10
28-Jul-00	602.89	20.82	47.04
29-Jul-00	394.66	18.56	40.45
30-Jul-00	282.95	16.96	35.93
31-Jul-00	667.73	21.41	48.79
01-Aug-00	559.35	20.40	45.80
02-Aug-00	601.00	20.80	46.99
03-Aug-00	409.22	18.74	40.97
04-Aug-00	1221.99	25.22	60.51
05-Aug-00	487.61	19.66	43.62
19-Oct-00	31.15	9.32	16.36
20-Oct-00	29.05	9.15	15.96
21-Oct-00	27.21	8.98	15.59
22-Oct-00	25.60	8.84	15.26
23-Oct-00	44.84	10.29	18.63
24-Oct-00	45.01	10.30	18.66
25-Oct-00	41.28	10.06	18.09
26-Oct-00	37.86	9.83	17.54
27-Oct-00	34.88	9.61	17.04
28-Oct-00	32.29	9.41	16.58
29-Oct-00	30.04	9.23	16.15
30-Oct-00	28.07	9.06	15.77
31-Oct-00	26.36	8.91	15.42

Date	Runoff Load, g/s		
	BOD	TN	TP
12-Aug-00	2224.60	29.67	74.91
13-Aug-00	248.09	16.36	34.28
14-Aug-00	1182.13	24.99	59.80
15-Aug-00	215.53	15.75	32.60
16-Aug-00	636.94	21.13	47.97
17-Aug-00	174.62	14.88	30.25
18-Aug-00	228.75	16.01	33.30
19-Aug-00	247.43	16.35	34.25
20-Aug-00	132.30	13.80	27.40
21-Aug-00	1584.89	27.06	68.39
22-Aug-00	317.33	17.49	37.42
23-Aug-00	1147.30	24.79	59.17
24-Aug-00	511.01	19.91	44.35
25-Aug-00	1539.97	26.85	65.71
26-Aug-00	285.82	17.00	36.06
27-Aug-00	1727.54	27.70	68.46
28-Aug-00	632.45	21.09	47.85
29-Aug-00	1826.21	28.12	69.83
30-Aug-00	602.16	20.81	47.02
31-Aug-00	1783.44	27.94	69.24
01-Sep-00	343.57	17.87	38.50
02-Sep-00	1934.10	28.56	71.27
03-Sep-00	232.52	16.08	33.50
04-Sep-00	924.73	23.38	54.79
05-Sep-00	260.88	16.59	34.90
06-Sep-00	514.13	19.94	44.45
07-Sep-00	152.61	14.34	28.83
08-Sep-00	938.34	23.48	55.08
09-Sep-00	166.12	14.68	29.72
10-Sep-00	397.94	18.60	40.57
11-Sep-00	131.83	13.78	27.37
12-Sep-00	216.03	15.76	32.63
13-Sep-00	100.22	12.80	24.82
14-Sep-00	87.98	12.35	23.69
15-Sep-00	106.46	13.01	25.36
16-Sep-00	93.85	12.57	24.24
17-Sep-00	96.59	12.67	24.49
18-Sep-00	296.65	17.18	36.54
19-Sep-00	264.21	16.65	35.06
20-Sep-00	618.06	20.96	47.46
21-Sep-00	183.23	15.07	30.77
22-Sep-00	269.05	16.73	35.29
23-Sep-00	139.17	13.99	27.90
24-Sep-00	639.92	21.16	48.05
25-Sep-00	273.50	16.80	35.49
26-Sep-00	411.67	18.77	41.06
27-Sep-00	179.86	15.00	30.57
28-Sep-00	189.01	15.20	31.11
29-Sep-00	232.65	16.08	33.50
30-Sep-00	174.74	14.88	30.26
01-Oct-00	109.72	13.11	25.63
02-Oct-00	96.24	12.66	24.46
03-Oct-00	184.01	15.09	30.82
04-Oct-00	105.53	12.98	25.28
05-Oct-00	88.91	12.39	23.78
06-Oct-00	78.60	11.98	22.76
07-Oct-00	69.82	11.60	21.82
08-Oct-00	62.34	11.25	20.95
09-Oct-00	58.58	11.06	20.49
10-Oct-00	56.80	10.97	20.27
11-Oct-00	60.46	11.16	20.73
12-Oct-00	54.33	10.84	19.95
13-Oct-00	49.06	10.54	19.24
14-Oct-00	44.76	10.28	18.62
15-Oct-00	43.22	10.19	18.39
16-Oct-00	39.54	9.94	17.82
17-Oct-00	36.34	9.72	17.29
18-Oct-00	33.57	9.51	16.81

Table 5 Estimated Daily Discharge of tributories inflowing into Phewa Lake (Year: 2000)

Date	Discharge in m <sup>3</sup> /sec	
	Sedi Khola Area (A=13.75sq.km.)	Forest Area, Southern Side (A= 10.5sq.km.)
01-Jan-00	0.35	0.27
02-Jan-00	0.35	0.27
03-Jan-00	0.35	0.27
04-Jan-00	0.35	0.27
05-Jan-00	0.35	0.27
06-Jan-00	0.35	0.27
07-Jan-00	0.35	0.27
08-Jan-00	0.35	0.26
09-Jan-00	0.35	0.26
10-Jan-00	0.35	0.26
11-Jan-00	0.35	0.26
12-Jan-00	0.35	0.26
13-Jan-00	0.35	0.26
14-Jan-00	0.35	0.26
15-Jan-00	0.35	0.26
16-Jan-00	0.35	0.26
17-Jan-00	0.35	0.26
18-Jan-00	0.35	0.26
19-Jan-00	0.35	0.26
20-Jan-00	0.35	0.26
21-Jan-00	0.35	0.26
22-Jan-00	0.35	0.26
23-Jan-00	0.35	0.26
24-Jan-00	0.35	0.26
25-Jan-00	0.34	0.26
26-Jan-00	0.34	0.26
27-Jan-00	0.34	0.26
28-Jan-00	0.34	0.26
29-Jan-00	0.34	0.26
30-Jan-00	0.34	0.26
31-Jan-00	0.34	0.26
01-Feb-00	0.34	0.26
02-Feb-00	0.34	0.26
03-Feb-00	0.34	0.26
04-Feb-00	0.34	0.26
05-Feb-00	0.34	0.26
06-Feb-00	0.34	0.26
07-Feb-00	0.34	0.26
08-Feb-00	0.34	0.26
09-Feb-00	0.34	0.26
10-Feb-00	0.34	0.26
11-Feb-00	0.34	0.26
12-Feb-00	0.34	0.26
13-Feb-00	0.34	0.26
14-Feb-00	0.34	0.26
15-Feb-00	0.34	0.26
16-Feb-00	0.34	0.26
17-Feb-00	0.34	0.26
18-Feb-00	0.34	0.26
19-Feb-00	0.34	0.26
20-Feb-00	0.34	0.26
21-Feb-00	0.34	0.26
22-Feb-00	0.34	0.26
23-Feb-00	0.34	0.26
24-Feb-00	0.34	0.26
25-Feb-00	0.34	0.26
26-Feb-00	0.34	0.26
27-Feb-00	0.34	0.26
28-Feb-00	0.34	0.26
29-Feb-00	0.34	0.26
01-Mar-00	0.34	0.26
02-Mar-00	0.34	0.26
03-Mar-00	0.34	0.26
04-Mar-00	0.34	0.26
05-Mar-00	0.34	0.26
06-Mar-00	0.34	0.26
07-Mar-00	0.34	0.26
08-Mar-00	0.34	0.26
16-May-00	0.57	0.44
17-May-00	0.54	0.41
18-May-00	0.59	0.45
19-May-00	0.62	0.47
20-May-00	0.69	0.53
21-May-00	0.66	0.50
22-May-00	0.78	0.60

Date	Discharge in m <sup>3</sup> /sec	
	Sedi Khola Area (A=13.75sq.km.)	Forest Area, Southern Side (A= 10.5sq.km.)
09-Mar-00	0.34	0.26
10-Mar-00	0.34	0.26
11-Mar-00	0.34	0.26
12-Mar-00	0.34	0.26
13-Mar-00	0.35	0.27
14-Mar-00	0.35	0.27
15-Mar-00	0.35	0.27
16-Mar-00	0.35	0.26
17-Mar-00	0.34	0.26
18-Mar-00	0.34	0.26
19-Mar-00	0.34	0.26
20-Mar-00	0.34	0.26
21-Mar-00	0.34	0.26
22-Mar-00	0.34	0.26
23-Mar-00	0.34	0.26
24-Mar-00	0.35	0.27
25-Mar-00	0.35	0.27
26-Mar-00	0.35	0.26
27-Mar-00	0.34	0.26
28-Mar-00	0.34	0.26
29-Mar-00	0.34	0.26
30-Mar-00	0.34	0.26
31-Mar-00	0.34	0.26
01-Apr-00	0.34	0.26
02-Apr-00	0.34	0.26
03-Apr-00	0.34	0.26
04-Apr-00	0.34	0.26
05-Apr-00	0.34	0.26
06-Apr-00	0.34	0.26
07-Apr-00	0.34	0.26
08-Apr-00	0.34	0.26
09-Apr-00	0.34	0.26
10-Apr-00	0.34	0.26
11-Apr-00	0.34	0.26
12-Apr-00	0.34	0.26
13-Apr-00	0.34	0.26
14-Apr-00	0.34	0.26
15-Apr-00	0.34	0.26
16-Apr-00	0.34	0.26
17-Apr-00	0.35	0.27
18-Apr-00	0.35	0.27
19-Apr-00	0.35	0.27
20-Apr-00	0.35	0.27
21-Apr-00	0.39	0.30
22-Apr-00	0.65	0.49
23-Apr-00	0.68	0.52
24-Apr-00	0.66	0.51
25-Apr-00	0.63	0.48
26-Apr-00	0.59	0.45
27-Apr-00	0.55	0.42
28-Apr-00	0.64	0.49
29-Apr-00	0.66	0.50
30-Apr-00	0.63	0.48
01-May-00	0.59	0.45
02-May-00	0.67	0.51
03-May-00	0.62	0.48
04-May-00	0.59	0.45
05-May-00	0.55	0.42
06-May-00	0.52	0.40
07-May-00	0.54	0.41
08-May-00	0.51	0.39
09-May-00	0.48	0.37
10-May-00	0.46	0.35
11-May-00	0.43	0.33
12-May-00	0.57	0.44
13-May-00	0.54	0.41
14-May-00	0.51	0.39
15-May-00	0.49	0.37
26-Jul-00	4.00	3.05
27-Jul-00	1.93	1.48
28-Jul-00	2.76	2.10
29-Jul-00	2.20	1.68
30-Jul-00	1.84	1.41
31-Jul-00	2.91	2.22
01-Aug-00	2.65	2.02

Date	Discharge in m3/sec	
	Sedi Khola Area (A=13.75sq.km.)	Forest Area, Southern Side (A= 10.5sq.km.)
23-May-00	0.87	0.66
24-May-00	2.78	2.12
25-May-00	1.48	1.13
26-May-00	2.50	1.91
27-May-00	2.32	1.77
28-May-00	2.54	1.94
29-May-00	2.66	2.03
30-May-00	4.02	3.07
31-May-00	2.09	1.59
01-Jun-00	3.27	2.50
02-Jun-00	1.60	1.22
03-Jun-00	2.65	2.02
04-Jun-00	1.53	1.17
05-Jun-00	2.31	1.76
06-Jun-00	1.31	1.00
07-Jun-00	2.37	1.81
08-Jun-00	2.54	1.94
09-Jun-00	3.81	2.91
10-Jun-00	1.87	1.43
11-Jun-00	3.14	2.40
12-Jun-00	1.71	1.31
13-Jun-00	2.57	1.96
14-Jun-00	2.09	1.60
15-Jun-00	3.00	2.29
16-Jun-00	2.44	1.86
17-Jun-00	3.36	2.56
18-Jun-00	1.84	1.40
19-Jun-00	2.81	2.15
20-Jun-00	1.40	1.07
21-Jun-00	4.48	3.42
22-Jun-00	3.54	2.70
23-Jun-00	4.10	3.13
24-Jun-00	2.31	1.77
25-Jun-00	4.74	3.62
26-Jun-00	1.66	1.27
27-Jun-00	3.72	2.84
28-Jun-00	1.41	1.07
29-Jun-00	3.93	3.00
30-Jun-00	1.36	1.04
01-Jul-00	3.45	2.63
02-Jul-00	1.50	1.14
03-Jul-00	2.57	1.97
04-Jul-00	2.32	1.77
05-Jul-00	3.56	2.72
06-Jul-00	2.84	2.17
07-Jul-00	6.00	4.59
08-Jul-00	2.46	1.88
09-Jul-00	5.29	4.04
10-Jul-00	2.72	2.07
11-Jul-00	5.90	4.50
12-Jul-00	1.98	1.51
13-Jul-00	3.70	2.82
14-Jul-00	1.78	1.36
15-Jul-00	3.92	2.99
16-Jul-00	1.56	1.19
17-Jul-00	2.59	1.98
18-Jul-00	1.40	1.07
19-Jul-00	3.05	2.33
20-Jul-00	1.35	1.03
21-Jul-00	1.73	1.32
22-Jul-00	1.29	0.98
23-Jul-00	1.44	1.10
24-Jul-00	5.60	4.28
25-Jul-00	2.15	1.65
05-Oct-00	1.00	0.76
06-Oct-00	0.93	0.71
07-Oct-00	0.88	0.67
08-Oct-00	0.82	0.63
09-Oct-00	0.80	0.61
10-Oct-00	0.78	0.60
11-Oct-00	0.81	0.62
12-Oct-00	0.77	0.58
13-Oct-00	0.73	0.55
14-Oct-00	0.69	0.53
15-Oct-00	0.68	0.52
16-Oct-00	0.65	0.49
17-Oct-00	0.62	0.47

Date	Discharge in m3/sec	
	Sedi Khola Area (A=13.75sq.km.)	Forest Area, Southern Side (A= 10.5sq.km.)
02-Aug-00	2.75	2.10
03-Aug-00	2.24	1.71
04-Aug-00	4.01	3.06
05-Aug-00	2.46	1.88
06-Aug-00	5.19	3.96
07-Aug-00	3.54	2.71
08-Aug-00	5.63	4.30
09-Aug-00	2.49	1.90
10-Aug-00	6.18	4.72
11-Aug-00	2.08	1.59
12-Aug-00	5.52	4.21
13-Aug-00	1.72	1.31
14-Aug-00	3.94	3.01
15-Aug-00	1.59	1.22
16-Aug-00	2.84	2.17
17-Aug-00	1.43	1.09
18-Aug-00	1.65	1.26
19-Aug-00	1.72	1.31
20-Aug-00	1.23	0.94
21-Aug-00	4.61	3.52
22-Aug-00	1.96	1.50
23-Aug-00	3.88	2.96
24-Aug-00	2.52	1.93
25-Aug-00	4.54	3.47
26-Aug-00	1.85	1.41
27-Aug-00	4.82	3.68
28-Aug-00	2.83	2.16
29-Aug-00	4.97	3.79
30-Aug-00	2.75	2.10
31-Aug-00	4.91	3.75
01-Sep-00	2.04	1.56
02-Sep-00	5.12	3.91
03-Sep-00	1.66	1.27
04-Sep-00	3.46	2.64
05-Sep-00	1.76	1.35
06-Sep-00	2.53	1.93
07-Sep-00	1.33	1.01
08-Sep-00	3.49	2.66
09-Sep-00	1.39	1.06
10-Sep-00	2.21	1.69
11-Sep-00	1.23	0.94
12-Sep-00	1.60	1.22
13-Sep-00	1.06	0.81
14-Sep-00	0.99	0.76
15-Sep-00	1.10	0.84
16-Sep-00	1.02	0.78
17-Sep-00	1.04	0.79
18-Sep-00	1.89	1.44
19-Sep-00	1.78	1.36
20-Sep-00	2.79	2.13
21-Sep-00	1.46	1.12
22-Sep-00	1.79	1.37
23-Sep-00	1.26	0.96
24-Sep-00	2.84	2.17
25-Sep-00	1.81	1.38
26-Sep-00	2.25	1.72
27-Sep-00	1.45	1.11
28-Sep-00	1.49	1.14
29-Sep-00	1.66	1.27
30-Sep-00	1.43	1.09
01-Oct-00	1.11	0.85
02-Oct-00	1.04	0.79
03-Oct-00	1.47	1.12
04-Oct-00	1.09	0.83
15-Dec-00	0.46	0.35
16-Dec-00	0.46	0.35
17-Dec-00	0.46	0.35
18-Dec-00	0.46	0.35
19-Dec-00	0.46	0.35
20-Dec-00	0.46	0.35
21-Dec-00	0.46	0.35
22-Dec-00	0.46	0.35
23-Dec-00	0.46	0.35
24-Dec-00	0.46	0.35
25-Dec-00	0.46	0.35
26-Dec-00	0.46	0.35
27-Dec-00	0.46	0.35



Date	Discharge in m <sup>3</sup> /sec	
	Sedi Khola Area (A=13.75sq.km.)	Forest Area,Southern Side (A= 10.5sq.km.)
18-Oct-00	0.59	0.45
19-Oct-00	0.57	0.44
20-Oct-00	0.55	0.42
21-Oct-00	0.53	0.40
22-Oct-00	0.51	0.39
23-Oct-00	0.69	0.53
24-Oct-00	0.69	0.53
25-Oct-00	0.66	0.51
26-Oct-00	0.63	0.48
27-Oct-00	0.61	0.46
28-Oct-00	0.58	0.44
29-Oct-00	0.56	0.43
30-Oct-00	0.54	0.41
31-Oct-00	0.52	0.40
01-Nov-00	0.51	0.39
02-Nov-00	0.49	0.37
03-Nov-00	0.48	0.37
04-Nov-00	0.48	0.37
05-Nov-00	0.48	0.36
06-Nov-00	0.47	0.36
07-Nov-00	0.47	0.36
08-Nov-00	0.47	0.36
09-Nov-00	0.47	0.36
10-Nov-00	0.47	0.36
11-Nov-00	0.47	0.36
12-Nov-00	0.46	0.35
13-Nov-00	0.46	0.35
14-Nov-00	0.48	0.36
15-Nov-00	0.47	0.36
16-Nov-00	0.47	0.36
17-Nov-00	0.47	0.36
18-Nov-00	0.47	0.36
19-Nov-00	0.47	0.36
20-Nov-00	0.47	0.36
21-Nov-00	0.47	0.36
22-Nov-00	0.46	0.35
23-Nov-00	0.46	0.35
24-Nov-00	0.46	0.35
25-Nov-00	0.46	0.35
26-Nov-00	0.46	0.35
27-Nov-00	0.46	0.35
28-Nov-00	0.46	0.35
29-Nov-00	0.46	0.35
30-Nov-00	0.46	0.35
01-Dec-00	0.46	0.35
02-Dec-00	0.46	0.35
03-Dec-00	0.46	0.35
04-Dec-00	0.46	0.35
05-Dec-00	0.46	0.35
06-Dec-00	0.46	0.35
07-Dec-00	0.46	0.35
08-Dec-00	0.46	0.35
09-Dec-00	0.46	0.35
10-Dec-00	0.46	0.35
11-Dec-00	0.46	0.35
12-Dec-00	0.46	0.35
13-Dec-00	0.46	0.35
14-Dec-00	0.46	0.35

Date	Discharge in m <sup>3</sup> /sec	
	Sedi Khola Area (A=13.75sq.km.)	Forest Area,Southern Side (A= 10.5sq.km.)
28-Dec-00	0.46	0.35
29-Dec-00	0.46	0.35
30-Dec-00	1.66	1.27
31-Dec-00	1.66	1.27

Table 6 Estimated Daily runoff loads of Sedi Khola area ( A= 13.75 sq.km)

Date	Runoff Load, g/s		
	BOD	TN	TP
01-Jan-00	0.23	1.04	0.46
02-Jan-00	0.23	1.04	0.46
03-Jan-00	0.23	1.04	0.46
04-Jan-00	0.23	1.04	0.46
05-Jan-00	0.23	1.04	0.46
06-Jan-00	0.23	1.04	0.46
07-Jan-00	0.23	1.04	0.46
08-Jan-00	0.23	1.04	0.46
09-Jan-00	0.23	1.04	0.46
10-Jan-00	0.23	1.04	0.46
11-Jan-00	0.23	1.04	0.46
12-Jan-00	0.23	1.04	0.46
13-Jan-00	0.23	1.04	0.46
14-Jan-00	0.23	1.04	0.46
15-Jan-00	0.23	1.04	0.46
16-Jan-00	0.23	1.04	0.46
17-Jan-00	0.23	1.04	0.46
18-Jan-00	0.23	1.04	0.46
19-Jan-00	0.23	1.04	0.46
20-Jan-00	0.23	1.04	0.46
21-Jan-00	0.23	1.04	0.46
22-Jan-00	0.23	1.04	0.46
23-Jan-00	0.23	1.04	0.46
24-Jan-00	0.23	1.04	0.46
25-Jan-00	0.23	1.04	0.46
26-Jan-00	0.23	1.04	0.46
27-Jan-00	0.23	1.04	0.46
28-Jan-00	0.23	1.04	0.46
29-Jan-00	0.23	1.04	0.46
30-Jan-00	0.23	1.04	0.46
31-Jan-00	0.23	1.04	0.46
01-Feb-00	0.23	1.04	0.46
02-Feb-00	0.23	1.04	0.46
03-Feb-00	0.23	1.04	0.46
04-Feb-00	0.23	1.04	0.45
05-Feb-00	0.23	1.03	0.45
06-Feb-00	0.23	1.03	0.45
07-Feb-00	0.23	1.03	0.45
08-Feb-00	0.23	1.03	0.45
09-Feb-00	0.23	1.03	0.45
10-Feb-00	0.23	1.03	0.45
11-Feb-00	0.23	1.03	0.45
12-Feb-00	0.23	1.03	0.45
13-Feb-00	0.23	1.03	0.45
14-Feb-00	0.23	1.03	0.45
15-Feb-00	0.23	1.03	0.45
16-Feb-00	0.23	1.03	0.45
17-Feb-00	0.23	1.03	0.45
18-Feb-00	0.23	1.03	0.45
19-Feb-00	0.23	1.03	0.45
20-Feb-00	0.23	1.03	0.45
21-Feb-00	0.23	1.03	0.45
22-Feb-00	0.23	1.03	0.45
23-Feb-00	0.23	1.03	0.45
24-Feb-00	0.23	1.03	0.45
25-Feb-00	0.23	1.03	0.45
26-Feb-00	0.23	1.03	0.45
27-Feb-00	0.23	1.03	0.45
28-Feb-00	0.23	1.03	0.45
29-Feb-00	0.23	1.03	0.45
01-Mar-00	0.23	1.03	0.45
02-Mar-00	0.23	1.03	0.45
03-Mar-00	0.23	1.03	0.45
04-Mar-00	0.23	1.03	0.45
05-Mar-00	0.23	1.03	0.45
06-Mar-00	0.23	1.03	0.45
07-Mar-00	0.23	1.03	0.45
08-Mar-00	0.23	1.03	0.45

Date	Runoff Load, g/s		
	BOD	TN	TP
09-Mar-00	0.23	1.03	0.45
10-Mar-00	0.23	1.03	0.44
11-Mar-00	0.23	1.03	0.44
12-Mar-00	0.23	1.03	0.44
13-Mar-00	0.23	1.04	0.47
14-Mar-00	0.23	1.04	0.47
15-Mar-00	0.23	1.04	0.46
16-Mar-00	0.23	1.04	0.46
17-Mar-00	0.23	1.04	0.46
18-Mar-00	0.23	1.03	0.45
19-Mar-00	0.23	1.03	0.45
20-Mar-00	0.23	1.03	0.45
21-Mar-00	0.23	1.03	0.44
22-Mar-00	0.23	1.03	0.44
23-Mar-00	0.23	1.03	0.44
24-Mar-00	0.23	1.04	0.47
25-Mar-00	0.23	1.04	0.47
26-Mar-00	0.23	1.04	0.46
27-Mar-00	0.23	1.04	0.46
28-Mar-00	0.23	1.03	0.45
29-Mar-00	0.23	1.03	0.45
30-Mar-00	0.23	1.03	0.45
31-Mar-00	0.23	1.03	0.44
01-Apr-00	0.23	1.03	0.44
02-Apr-00	0.23	1.03	0.44
03-Apr-00	0.23	1.03	0.44
04-Apr-00	0.23	1.03	0.44
05-Apr-00	0.23	1.03	0.44
06-Apr-00	0.23	1.03	0.44
07-Apr-00	0.23	1.03	0.44
08-Apr-00	0.23	1.03	0.44
09-Apr-00	0.23	1.03	0.44
10-Apr-00	0.23	1.03	0.44
11-Apr-00	0.23	1.03	0.44
12-Apr-00	0.23	1.03	0.44
13-Apr-00	0.23	1.03	0.44
14-Apr-00	0.23	1.03	0.44
15-Apr-00	0.23	1.03	0.45
16-Apr-00	0.23	1.03	0.44
17-Apr-00	0.23	1.04	0.46
18-Apr-00	0.23	1.04	0.46
19-Apr-00	0.23	1.04	0.47
20-Apr-00	0.23	1.04	0.46
21-Apr-00	0.24	1.07	0.57
22-Apr-00	0.29	1.20	1.39
23-Apr-00	0.29	1.22	1.53
24-Apr-00	0.29	1.21	1.46
25-Apr-00	0.29	1.20	1.33
26-Apr-00	0.28	1.18	1.19
27-Apr-00	0.27	1.16	1.06
28-Apr-00	0.29	1.20	1.38
29-Apr-00	0.29	1.21	1.44
30-Apr-00	0.29	1.20	1.34
01-May-00	0.28	1.18	1.19
02-May-00	0.29	1.21	1.48
03-May-00	0.29	1.19	1.31
04-May-00	0.28	1.18	1.17
05-May-00	0.27	1.16	1.05
06-May-00	0.27	1.14	0.94
07-May-00	0.27	1.15	1.01
08-May-00	0.27	1.14	0.91
09-May-00	0.26	1.12	0.83
10-May-00	0.25	1.11	0.75
11-May-00	0.25	1.09	0.69
12-May-00	0.28	1.17	1.12
13-May-00	0.27	1.15	1.01
14-May-00	0.27	1.14	0.93
15-May-00	0.26	1.12	0.84

Table 6 Estimated Daily runoff loads of Sedi Khola area ( A= 13.75 sq.km)

Date	Runoff Load, g/s		
	BOD	TN	TP
16-May-00	0.28	1.17	1.13
17-May-00	0.27	1.15	1.02
18-May-00	0.28	1.18	1.19
19-May-00	0.28	1.19	1.29
20-May-00	0.30	1.22	1.56
21-May-00	0.29	1.21	1.43
22-May-00	0.31	1.26	1.95
23-May-00	0.32	1.29	2.35
24-May-00	0.49	1.71	18.61
25-May-00	0.39	1.47	6.06
26-May-00	0.47	1.66	15.36
27-May-00	0.46	1.63	13.44
28-May-00	0.47	1.67	15.81
29-May-00	0.48	1.69	17.16
30-May-00	0.56	1.86	35.84
31-May-00	0.44	1.59	11.19
01-Jun-00	0.52	1.77	24.76
02-Jun-00	0.40	1.49	6.96
03-Jun-00	0.48	1.69	17.04
04-Jun-00	0.39	1.48	6.41
05-Jun-00	0.46	1.63	13.34
06-Jun-00	0.37	1.43	4.90
07-Jun-00	0.46	1.64	14.04
08-Jun-00	0.47	1.67	15.87
09-Jun-00	0.55	1.84	32.48
10-Jun-00	0.42	1.55	9.20
11-Jun-00	0.51	1.76	23.05
12-Jun-00	0.41	1.52	7.87
13-Jun-00	0.47	1.67	16.12
14-Jun-00	0.44	1.59	11.24
15-Jun-00	0.50	1.74	21.23
16-Jun-00	0.47	1.65	14.75
17-Jun-00	0.52	1.78	25.95
18-Jun-00	0.42	1.55	8.92
19-Jun-00	0.49	1.71	19.00
20-Jun-00	0.38	1.45	5.53
21-Jun-00	0.58	1.91	43.31
22-Jun-00	0.53	1.81	28.53
23-Jun-00	0.56	1.87	37.08
24-Jun-00	0.46	1.63	13.40
25-Jun-00	0.59	1.94	47.95
26-Jun-00	0.41	1.51	7.47
27-Jun-00	0.54	1.83	31.12
28-Jun-00	0.38	1.45	5.55
29-Jun-00	0.55	1.85	34.29
30-Jun-00	0.38	1.44	5.21
01-Jul-00	0.53	1.80	27.27
02-Jul-00	0.39	1.47	6.20
03-Jul-00	0.48	1.67	16.22
04-Jul-00	0.46	1.63	13.48
05-Jul-00	0.53	1.81	28.77
06-Jul-00	0.49	1.71	19.33
07-Jul-00	0.64	2.05	72.91
08-Jul-00	0.47	1.66	15.01
09-Jul-00	0.62	1.99	58.31
10-Jul-00	0.48	1.70	17.85
11-Jul-00	0.64	2.04	70.63
12-Jul-00	0.43	1.57	10.18
13-Jul-00	0.54	1.83	30.86
14-Jul-00	0.42	1.53	8.40
15-Jul-00	0.55	1.85	34.23
16-Jul-00	0.40	1.49	6.67
17-Jul-00	0.48	1.68	16.41
18-Jul-00	0.38	1.45	5.50
19-Jul-00	0.51	1.74	21.95
20-Jul-00	0.38	1.44	5.19
21-Jul-00	0.41	1.52	7.98
22-Jul-00	0.37	1.42	4.73

Date	Runoff Load, g/s		
	BOD	TN	TP
23-Jul-00	0.39	1.46	5.77
24-Jul-00	0.63	2.02	64.43
25-Jul-00	0.45	1.61	11.82
26-Jul-00	0.56	1.86	35.45
27-Jul-00	0.43	1.56	9.75
28-Jul-00	0.49	1.70	18.30
29-Jul-00	0.45	1.61	12.26
30-Jul-00	0.42	1.55	8.96
31-Jul-00	0.50	1.72	20.15
01-Aug-00	0.48	1.69	17.05
02-Aug-00	0.49	1.70	18.24
03-Aug-00	0.45	1.62	12.69
04-Aug-00	0.56	1.86	35.65
05-Aug-00	0.47	1.66	14.97
06-Aug-00	0.61	1.98	56.29
07-Aug-00	0.53	1.81	28.59
08-Aug-00	0.63	2.02	64.99
09-Aug-00	0.47	1.66	15.31
10-Aug-00	0.65	2.06	76.79
11-Aug-00	0.44	1.59	11.10
12-Aug-00	0.63	2.01	62.77
13-Aug-00	0.41	1.52	7.91
14-Aug-00	0.55	1.85	34.55
15-Aug-00	0.40	1.49	6.93
16-Aug-00	0.49	1.71	19.27
17-Aug-00	0.38	1.45	5.88
18-Aug-00	0.40	1.50	7.33
19-Aug-00	0.41	1.52	7.89
20-Aug-00	0.36	1.40	4.37
21-Aug-00	0.59	1.92	45.57
22-Aug-00	0.43	1.57	9.98
23-Aug-00	0.55	1.85	33.59
24-Aug-00	0.47	1.67	15.65
25-Aug-00	0.58	1.92	44.35
26-Aug-00	0.42	1.55	9.04
27-Aug-00	0.60	1.95	49.43
28-Aug-00	0.49	1.71	19.14
29-Aug-00	0.60	1.96	52.10
30-Aug-00	0.49	1.70	18.28
31-Aug-00	0.60	1.95	50.94
01-Sep-00	0.44	1.58	10.76
02-Sep-00	0.61	1.97	55.00
03-Sep-00	0.41	1.51	7.44
04-Sep-00	0.53	1.80	27.40
05-Sep-00	0.41	1.53	8.30
06-Sep-00	0.47	1.67	15.74
07-Sep-00	0.37	1.43	5.00
08-Sep-00	0.53	1.80	27.78
09-Sep-00	0.38	1.44	5.42
10-Sep-00	0.45	1.61	12.36
11-Sep-00	0.36	1.40	4.36
12-Sep-00	0.40	1.49	6.94
13-Sep-00	0.35	1.36	3.36
14-Sep-00	0.34	1.33	2.97
15-Sep-00	0.35	1.37	3.56
16-Sep-00	0.34	1.34	3.16
17-Sep-00	0.34	1.35	3.25
18-Sep-00	0.43	1.56	9.37
19-Sep-00	0.42	1.53	8.40
20-Sep-00	0.49	1.71	18.73
21-Sep-00	0.39	1.46	5.94
22-Sep-00	0.42	1.54	8.54
23-Sep-00	0.37	1.41	4.58
24-Sep-00	0.49	1.72	19.36
25-Sep-00	0.42	1.54	8.67
26-Sep-00	0.45	1.62	12.76
27-Sep-00	0.39	1.46	5.84
28-Sep-00	0.39	1.47	6.12

Table 6 Estimated Daily runoff loads of Sedi Khola area ( A= 13.75 sq.km)

Date	Runoff Load, g/s		
	BOD	TN	TP
29-Sep-00	0.41	1.51	7.45
30-Sep-00	0.38	1.45	5.68
01-Oct-00	0.35	1.37	3.66
02-Oct-00	0.34	1.35	3.24
03-Oct-00	0.39	1.46	5.97
04-Oct-00	0.35	1.36	3.53
05-Oct-00	0.34	1.33	3.00
06-Oct-00	0.33	1.31	2.67
07-Oct-00	0.32	1.29	2.39
08-Oct-00	0.32	1.28	2.15
09-Oct-00	0.31	1.27	2.02
10-Oct-00	0.31	1.26	1.97
11-Oct-00	0.31	1.27	2.09
12-Oct-00	0.31	1.25	1.89
13-Oct-00	0.30	1.24	1.71
14-Oct-00	0.30	1.22	1.57
15-Oct-00	0.29	1.22	1.52
16-Oct-00	0.29	1.20	1.40
17-Oct-00	0.28	1.19	1.29
18-Oct-00	0.28	1.18	1.20
19-Oct-00	0.28	1.17	1.12
20-Oct-00	0.27	1.16	1.04
21-Oct-00	0.27	1.15	0.98
22-Oct-00	0.27	1.14	0.93
23-Oct-00	0.30	1.22	1.57
24-Oct-00	0.30	1.22	1.58
25-Oct-00	0.29	1.21	1.46
26-Oct-00	0.29	1.20	1.34
27-Oct-00	0.28	1.18	1.24
28-Oct-00	0.28	1.17	1.15
29-Oct-00	0.27	1.16	1.08
30-Oct-00	0.27	1.15	1.01
31-Oct-00	0.27	1.14	0.95
01-Nov-00	0.26	1.13	0.90
02-Nov-00	0.26	1.13	0.86
03-Nov-00	0.26	1.12	0.82
04-Nov-00	0.26	1.12	0.82
05-Nov-00	0.26	1.12	0.81
06-Nov-00	0.26	1.12	0.80
07-Nov-00	0.26	1.12	0.80
08-Nov-00	0.26	1.12	0.79
09-Nov-00	0.26	1.11	0.79
10-Nov-00	0.26	1.11	0.78
11-Nov-00	0.26	1.11	0.78
12-Nov-00	0.26	1.11	0.78
13-Nov-00	0.26	1.11	0.77
14-Nov-00	0.26	1.12	0.81
15-Nov-00	0.26	1.12	0.81
16-Nov-00	0.26	1.12	0.80
17-Nov-00	0.26	1.12	0.79
18-Nov-00	0.26	1.11	0.79
19-Nov-00	0.26	1.11	0.78
20-Nov-00	0.26	1.11	0.78
21-Nov-00	0.26	1.11	0.78
22-Nov-00	0.26	1.11	0.77
23-Nov-00	0.26	1.11	0.77
24-Nov-00	0.26	1.11	0.77
25-Nov-00	0.26	1.11	0.77
26-Nov-00	0.26	1.11	0.77
27-Nov-00	0.26	1.11	0.77
28-Nov-00	0.26	1.11	0.77
29-Nov-00	0.26	1.11	0.77
30-Nov-00	0.26	1.11	0.77
01-Dec-00	0.26	1.11	0.76
02-Dec-00	0.26	1.11	0.76
03-Dec-00	0.26	1.11	0.76
04-Dec-00	0.26	1.11	0.76
05-Dec-00	0.26	1.11	0.76

Date	Runoff Load, g/s		
	BOD	TN	TP
06-Dec-00	0.26	1.11	0.76
07-Dec-00	0.26	1.11	0.76
08-Dec-00	0.26	1.11	0.76
09-Dec-00	0.26	1.11	0.76
10-Dec-00	0.26	1.11	0.76
11-Dec-00	0.26	1.11	0.76
12-Dec-00	0.26	1.11	0.76
13-Dec-00	0.26	1.11	0.76
14-Dec-00	0.26	1.11	0.76
15-Dec-00	0.26	1.11	0.76
16-Dec-00	0.26	1.11	0.76
17-Dec-00	0.26	1.11	0.76
18-Dec-00	0.26	1.11	0.76
19-Dec-00	0.26	1.11	0.76
20-Dec-00	0.26	1.11	0.76
21-Dec-00	0.26	1.11	0.76
22-Dec-00	0.26	1.11	0.75
23-Dec-00	0.25	1.11	0.75
24-Dec-00	0.25	1.11	0.75
25-Dec-00	0.25	1.11	0.75
26-Dec-00	0.25	1.11	0.75
27-Dec-00	0.25	1.11	0.75
28-Dec-00	0.25	1.11	0.75
29-Dec-00	0.25	1.11	0.75
30-Dec-00	0.41	1.51	7.44
31-Dec-00	0.41	1.51	7.46

Table A Observed Rainfall (Pokhara Airport), Evaporation (Pokhara Airport) and discharge data of Harpan Khola (Year 1983)

Date	Daily Rainfall (mm)	Daily EVP mm/day	Observed discharge
03-Jan-83	0.4	1	1.00
04-Jan-83	0	0.8	1.00
05-Jan-83	0	1.5	1.00
06-Jan-83	0	1.9	1.00
07-Jan-83	0	1.7	1.00
08-Jan-83	0	2	1.00
09-Jan-83	0	3.3	1.00
10-Jan-83	0	1.9	1.00
11-Jan-83	0	2.1	1.00
12-Jan-83	0	1.7	1.00
13-Jan-83	0	2	1.00
14-Jan-83	0	2.3	1.00
15-Jan-83	0	2.1	1.00
16-Jan-83	0	2.4	1.00
17-Jan-83	0	1	1.00
18-Jan-83	0	2.6	1.00
19-Jan-83	0	2.5	1.00
20-Jan-83	0	2	0.96
21-Jan-83	0	2.5	0.96
22-Jan-83	0	1.8	0.96
23-Jan-83	0	2.2	0.96
24-Jan-83	0	1.5	0.96
25-Jan-83	0	2.8	0.96
26-Jan-83	0	1.5	0.96
27-Jan-83	0	3	0.96
28-Jan-83	2.3	4	0.96
29-Jan-83	13	2.08	0.96
30-Jan-83	0	2.08	0.93
31-Jan-83	2.4	2.1	0.96
01-Feb-83	0	2.3	0.93
02-Feb-83	0	3.9	0.93
03-Feb-83	0	2.3	0.93
04-Feb-83	0	3.1	0.93
05-Feb-83	0	1.2	0.93
06-Feb-83	0	1.2	0.93
07-Feb-83	0	3.8	0.93
08-Feb-83	0	0.9	0.93
09-Feb-83	0	3.9	0.93
10-Feb-83	0	3.1	0.93
11-Feb-83	0	1.5	0.89
12-Feb-83	0	3.5	0.89
13-Feb-83	0	2.3	0.89
14-Feb-83	0	1.8	0.89
15-Feb-83	0	2.9	0.89
16-Feb-83	0	2.5	0.89
17-Feb-83	0	3.4	0.89
18-Feb-83	0	4.1	0.89
19-Feb-83	0	4.9	0.89
20-Feb-83	0	2.9	0.89
21-Feb-83	0	4.5	0.89
22-Feb-83	0	1.6	0.89

Date	Daily Rainfall (mm)	Daily EVP mm/day	Observed discharge
01-Mar-83	0	4	0.89
02-Mar-83	0	3	0.89
03-Mar-83	0	5.86	0.89
04-Mar-83	0	4.2	0.89
05-Mar-83	0	5.6	0.89
06-Mar-83	0	3.6	0.89
07-Mar-83	0	2.6	0.89
08-Mar-83	0	4.3	0.89
09-Mar-83	0	4.3	0.89
10-Mar-83	0	2.6	0.89
11-Mar-83	0	3.7	0.89
12-Mar-83	0	5.9	0.89
13-Mar-83	0	6.2	0.89
14-Mar-83	0	6.3	0.89
15-Mar-83	0	4.4	0.89
16-Mar-83	8.6	4.8	0.89
17-Mar-83	0	5.1	0.89
18-Mar-83	0	4.8	0.85
19-Mar-83	0	4.9	0.85
20-Mar-83	17.8	4.49	0.85
21-Mar-83	0	2	0.85
22-Mar-83	3.4	5.2	0.85
23-Mar-83	0	3.5	0.85
24-Mar-83	0	4.5	0.85
25-Mar-83	0	5.8	0.85
26-Mar-83	0	3.7	0.85
27-Mar-83	0	0.8	0.85
28-Mar-83	0	5.7	0.85
29-Mar-83	0	6	0.85
30-Mar-83	0	5.7	0.85
31-Mar-83	0	5.7	0.85
01-Apr-83	0	3.3	0.85
02-Apr-83	0	7.6	0.85
03-Apr-83	0	6.5	0.85
04-Apr-83	0	5.5	0.85
05-Apr-83	0	10.1	0.85
06-Apr-83	0	18	0.85
07-Apr-83	0	7.2	0.85
08-Apr-83	0	5.8	0.85
09-Apr-83	0	12.4	0.85
10-Apr-83	0	1.9	0.85
11-Apr-83	3	5	0.85
12-Apr-83	2.7	4.1	0.85
13-Apr-83	5.6	4.1	0.85
14-Apr-83	0.3	6.7	0.85
15-Apr-83	0	8.8	0.85
16-Apr-83	0	9	0.85
17-Apr-83	0	5.2	0.85
18-Apr-83	0	7.4	0.89
19-Apr-83	9	10.7	0.85
20-Apr-83	0	6.2	0.85

Date	Daily Rainfall (mm)	Daily EVP mm/day	Observed discharge
23-Feb-83	2.4	1.6	0.89
24-Feb-83	0	4.3	0.89
25-Feb-83	2.7	1.5	0.89
26-Feb-83	0	3.5	0.89
27-Feb-83	0	2.1	0.89
28-Feb-83	0.6	3.3	0.89
27-Apr-83	23.7	3.5	0.93
28-Apr-83	11	9.1	0.93
29-Apr-83	10.4	5.6	0.93
30-Apr-83	0.6	15.2	0.93
01-May-83	0.5	11.5	0.93
02-May-83	3.4	4.3	0.93
03-May-83	28.4	12.2	0.96
04-May-83	0.1	4.8	0.93
05-May-83	9.5	7.6	0.93
06-May-83	9.6	5	0.93
07-May-83	0.5	2.9	0.89
08-May-83	2.4	3.6	0.89
09-May-83	4	3.9	0.89
10-May-83	5	5.6	0.93
11-May-83	9	4.5	0.93
12-May-83	3.8	3.6	1.00
13-May-83	15.6	5.91	1.00
14-May-83	17.9	5.91	1.57
15-May-83	0.6	3.4	1.22
16-May-83	40.2	7.9	1.57
17-May-83	4.2	5.6	1.75
18-May-83	1.9	2.9	1.22
19-May-83	0.8	4.5	1.17
20-May-83	3	4.5	7.53
21-May-83	0	3.7	1.08
22-May-83	11.6	5.3	1.13
23-May-83	0	5	1.13
24-May-83	25	26.9	1.31
25-May-83	0.1	5.1	1.26
26-May-83	0	7.6	1.22
27-May-83	0	5.6	1.13
28-May-83	7.3	7.6	1.36
29-May-83	0	4.4	1.08
30-May-83	0.7	5.7	1.08
31-May-83	9	5.7	1.26
01-Jun-83	0	4.7	1.13
02-Jun-83	11.3	4.7	1.26
03-Jun-83	11.3	4.7	1.36
04-Jun-83	4	4.7	1.47
05-Jun-83	41	4.7	1.57
06-Jun-83	43.7	4.7	1.63
07-Jun-83	10	4.7	1.47
08-Jun-83	0.1	4.7	1.41
09-Jun-83	43	4.7	1.36
10-Jun-83	0.3	4.7	1.22
11-Jun-83	1.8	4.7	1.22
12-Jun-83	1.6	4.7	1.17
13-Jun-83	0	4.7	1.17

Date	Daily Rainfall (mm)	Daily EVP mm/day	Observed discharge
21-Apr-83	0	12.6	0.85
22-Apr-83	0	5.6	0.85
23-Apr-83	7.9	7.8	0.85
24-Apr-83	7.5	11.9	0.89
25-Apr-83	0.3	5.5	0.89
26-Apr-83	22.1	5.6	0.89
25-Jun-83	0	4.7	1.26
26-Jun-83	16.9	4.7	1.36
27-Jun-83	32.3	4.7	1.36
28-Jun-83	21.8	4.7	2.01
29-Jun-83	20	4.7	2.30
30-Jun-83	27	4.7	2.97
01-Jul-83	11.7	6.3	4.64
02-Jul-83	30.8	13.6	3.57
03-Jul-83	12.9	0.1	3.68
04-Jul-83	10	6.3	2.88
05-Jul-83	73.6	6.3	3.26
06-Jul-83	21.7	6.3	2.79
07-Jul-83	39.4	6.3	4.14
08-Jul-83	64.3	6.3	5.05
09-Jul-83	15.1	6.3	3.06
10-Jul-83	28	12.1	4.77
11-Jul-83	1.5	6.3	3.57
12-Jul-83	0	7.6	3.26
13-Jul-83	0	6.8	5.48
14-Jul-83	18.3	8.1	4.02
15-Jul-83	48.2	6.3	10.62
16-Jul-83	29.7	2.5	6.97
17-Jul-83	111.1	6.3	87.66
18-Jul-83	6	5.2	13.08
19-Jul-83	0.7	8.5	9.65
20-Jul-83	18.2	5.8	8.75
21-Jul-83	13.4	5.6	8.12
22-Jul-83	32	5.8	7.92
23-Jul-83	1.8	0.4	6.61
24-Jul-83	1.5	6	14.62
25-Jul-83	1.4	3.4	9.19
26-Jul-83	57.3	10.5	10.62
27-Jul-83	23	4.5	9.88
28-Jul-83	0	5.5	9.65
29-Jul-83	21.2	12.3	7.92
30-Jul-83	7.7	5.1	13.08
31-Jul-83	13.1	2.8	8.97
01-Aug-83	61.2	7.17	16.66
02-Aug-83	169.2	6.4	23.22
03-Aug-83	10.1	10.9	12.78
04-Aug-83	43.4	6.5	10.37
05-Aug-83	28.6	7.17	12.21
06-Aug-83	22.6	6.3	11.93
07-Aug-83	15.6	13.6	8.12
08-Aug-83	30.4	17.2	7.53
09-Aug-83	49	7.17	8.97
10-Aug-83	120	7.17	12.21
11-Aug-83	18.7	7.5	11.13

Date	Daily Rainfall (mm)	Daily EVP mm/day	Observed discharge
14-Jun-83	0	4.7	1.36
15-Jun-83	19.4	4.7	1.41
16-Jun-83	18.8	4.7	1.31
17-Jun-83	12	4.7	1.36
18-Jun-83	15.6	4.7	1.31
19-Jun-83	16.2	4.7	1.31
20-Jun-83	0	4.7	1.26
21-Jun-83	13.6	4.7	1.17
22-Jun-83	0	4.7	1.13
23-Jun-83	6	4.7	1.13
24-Jun-83	19.8	4.7	1.17
23-Aug-83	0	8.4	5.48
24-Aug-83	42.7	8.3	4.77
25-Aug-83	40	7.17	8.32
26-Aug-83	29.6	4.9	16.66
27-Aug-83	11.3	7.17	11.13
28-Aug-83	73	7.17	9.42
29-Aug-83	156.2	4.6	11.13
30-Aug-83	4.2	7.17	10.37
31-Aug-83	81.7	7.17	11.93
01-Sep-83	79.3	6.02	20.56
02-Sep-83	28.8	9.7	11.13
03-Sep-83	3.6	5.6	9.19
04-Sep-83	7.6	6.6	22.30
05-Sep-83	32.4	10.2	16.31
06-Sep-83	72	6.02	24.16
07-Sep-83	48.4	6.02	13.08
08-Sep-83	17.8	5.2	13.08
09-Sep-83	7	6.8	17.03
10-Sep-83	39	6.02	15.96
11-Sep-83	6	6.02	11.39
12-Sep-83	15.6	2.6	8.53
13-Sep-83	2.9	7.8	7.92
14-Sep-83	5.3	1.5	11.66
15-Sep-83	39	11.2	9.88
16-Sep-83	25	6.02	8.97
17-Sep-83	55.8	6.02	8.53
18-Sep-83	11.4	5.6	18.53
19-Sep-83	105	6.02	26.65
20-Sep-83	24.4	6.02	32.83
21-Sep-83	29.6	4.5	11.13
22-Sep-83	1.8	9.6	41.53
23-Sep-83	19.8	6.02	16.66
24-Sep-83	3.1	0.8	9.65
25-Sep-83	0.6	5	7.34
26-Sep-83	15.9	6.1	6.11
27-Sep-83	0	3.5	5.63
28-Sep-83	3.8	8	5.19
29-Sep-83	0	2.3	4.38
30-Sep-83	12.6	7.7	4.51
01-Oct-83	0	4.8	5.63
02-Oct-83	0	4.1	5.48
03-Oct-83	17.6	3.6	4.91
04-Oct-83	0	3.6	3.46

Date	Daily Rainfall (mm)	Daily EVP mm/day	Observed discharge
12-Aug-83	0.2	4.5	11.93
13-Aug-83	0	7.1	8.53
14-Aug-83	1	5	6.44
15-Aug-83	2.4	1.6	5.79
16-Aug-83	18.4	8.2	5.48
17-Aug-83	3.1	8.3	6.44
18-Aug-83	8	4.5	5.79
19-Aug-83	0.6	7.2	5.33
20-Aug-83	16.1	7.17	5.19
21-Aug-83	0	6.1	4.26
22-Aug-83	1.1	3.5	6.79
21-Oct-83	0	3.3	2.45
22-Oct-83	0	4.3	2.45
23-Oct-83	0	3.2	2.30
24-Oct-83	3.4	2.5	2.22
25-Oct-83	0.3	4.1	2.15
26-Oct-83	0	2.3	2.08
27-Oct-83	0	4.3	2.08
28-Oct-83	0	3.5	2.08
29-Oct-83	0	1.6	1.94
30-Oct-83	0	3.8	1.88
31-Oct-83	6	4.2	1.88
01-Nov-83	0	2.4	1.81
02-Nov-83	0	3.7	1.81
03-Nov-83	0	2.2	1.75
04-Nov-83	0	4.8	1.69
05-Nov-83	0	1.9	1.75
06-Nov-83	0	3.2	1.69
07-Nov-83	0	3.7	1.63
08-Nov-83	0	3.3	1.57
09-Nov-83	0	2.8	1.57
10-Nov-83	0	3.2	1.52
11-Nov-83	0	2.6	1.47
12-Nov-83	0	4.1	1.47
13-Nov-83	0	2.3	1.41
14-Nov-83	0	3.7	1.41
15-Nov-83	0	2.8	1.41
16-Nov-83	0	0.9	1.41
17-Nov-83	0	2.5	1.41
18-Nov-83	0	3.6	1.41
19-Nov-83	0	1.8	1.36
20-Nov-83	0	2.3	1.36
21-Nov-83	0	3.6	1.36
22-Nov-83	0	2.7	1.31
23-Nov-83	0	1.3	1.31
24-Nov-83	0	2.3	1.31
25-Nov-83	0	1.4	1.31
26-Nov-83	0	2	1.31
27-Nov-83	0	0.9	1.31
28-Nov-83	0	4	1.31
29-Nov-83	0	1.8	1.26
30-Nov-83	0	2.7	1.26
01-Dec-83	0	2.16	1.22
02-Dec-83	0	2.16	1.26

Date	Daily Rainfall (mm)	Daily EVP mm/day	Observed discharge
05-Oct-83	0	4.4	3.16
06-Oct-83	0	3.6	2.37
07-Oct-83	0	4.3	2.88
08-Oct-83	0	6.5	2.70
09-Oct-83	13.1	5.7	2.79
10-Oct-83	76.6	4.1	4.02
11-Oct-83	28.4	5.6	11.39
12-Oct-83	47.7	4.1	6.61
13-Oct-83	9.9	2	4.14
14-Oct-83	0	4.1	3.79
15-Oct-83	0	4.1	3.46
16-Oct-83	17.9	8	3.16
17-Oct-83	1	4.3	3.16
18-Oct-83	0	3.8	2.70
19-Oct-83	13.6	5.3	2.53
20-Oct-83	0.2	3.5	2.53
19-Dec-83	0	1.8	1.13
20-Dec-83	0	1.7	1.13
21-Dec-83	0	2	1.13
22-Dec-83	0	1.7	1.13
23-Dec-83	0	1.9	1.13
24-Dec-83	0	2	1.13
25-Dec-83	0	0.2	1.13
26-Dec-83	76.8	9.4	1.17
27-Dec-83	17.8	4.6	1.22
28-Dec-83	0	0.1	1.13
29-Dec-83	0	1.7	1.13
30-Dec-83	0	1.9	1.13
31-Dec-83	0	2	1.13
		Average	3.91

Date	Daily Rainfall (mm)	Daily EVP mm/day	Observed discharge
03-Dec-83	0	2.16	1.22
04-Dec-83	0	2.3	1.26
05-Dec-83	0	2.5	1.22
06-Dec-83	0	2.3	1.22
07-Dec-83	0	2.2	1.22
08-Dec-83	0	2.3	1.22
09-Dec-83	0	2.1	1.17
10-Dec-83	0	0.5	1.17
11-Dec-83	0	2.1	1.17
12-Dec-83	0	2	1.17
13-Dec-83	0	2.3	1.17
14-Dec-83	0	1.5	1.17
15-Dec-83	0	2	1.17
16-Dec-83	0	2	1.13
17-Dec-83	0	1.9	1.13
18-Dec-83	0	1.6	1.13

Verification value

Lichty Objective Function

Nash Efficiency Criteria



Model

**Table B Observed Rainfall (Pokhara Airport), Evaporation (Pokhara Airport) and discharge data of Harpan Khola (Year 1984)**

Date	Daily Rainfall (mm)	Daily EVP (mm/day)	Observed discharge
01-Jan-84	0	1.9	1.08
02-Jan-84	0	1.9	1.08
03-Jan-84	0	1.9	1.08
04-Jan-84	0	1.9	1.08
05-Jan-84	0	1.9	1.08
06-Jan-84	0	1.9	1.08
07-Jan-84	0	1.9	1.08
08-Jan-84	0	1.9	1.08
09-Jan-84	0	1.9	1.08
10-Jan-84	0	1.9	1.08
11-Jan-84	0	1.9	1.08
12-Jan-84	0	1.9	1.04
13-Jan-84	0	1.9	1.04
14-Jan-84	0	1.9	1.04
15-Jan-84	0	1.9	1.04
16-Jan-84	0	1.9	1.04
17-Jan-84	47.1	1.9	1.08
18-Jan-84	0.7	1.9	1.04
19-Jan-84	0	1.9	1.04
20-Jan-84	0	1.9	1.04
21-Jan-84	0	1.9	1.04
22-Jan-84	0	1.9	1.04
23-Jan-84	0	1.9	1.04
24-Jan-84	0	1.9	1.04
25-Jan-84	0	1.9	1.04
26-Jan-84	0	1.9	1.04
27-Jan-84	0	1.9	1.04
28-Jan-84	0	1.9	1.04
29-Jan-84	0	1.9	1.04
30-Jan-84	0	1.9	1.04
31-Jan-84	0	1.9	1.04
01-Feb-84	0	2.8	1.04
02-Feb-84	0	2.8	1.04
03-Feb-84	0	2.8	1.04
04-Feb-84	0	2.8	1.00
05-Feb-84	0	2.8	1.00
06-Feb-84	0	2.8	1.00
07-Feb-84	0	2.8	1.00
08-Feb-84	0	2.8	1.00
09-Feb-84	0	2.8	1.04
10-Feb-84	0	2.8	1.00
11-Feb-84	11.1	2.8	1.00
12-Feb-84	0	2.8	1.00
13-Feb-84	0	2.8	1.00
14-Feb-84	0	2.8	1.00
15-Feb-84	0	2.8	0.96
16-Feb-84	0	2.8	0.96
17-Feb-84	0	2.8	0.96
18-Feb-84	0	2.8	0.93
19-Feb-84	0	2.8	0.93
20-Feb-84	6.7	2.8	1.00

Date	Daily Rainfall (mm)	Daily EVP (mm/day)	Observed discharge
28-Feb-84	0	2.8	0.89
29-Feb-84	0	2.8	0.89
01-Mar-84	0	4.1	0.89
02-Mar-84	0	4.1	0.89
03-Mar-84	0	4.1	0.89
04-Mar-84	0	4.1	0.89
05-Mar-84	0	4.1	0.89
06-Mar-84	0	4.1	0.89
07-Mar-84	0	4.1	0.89
08-Mar-84	0	4.1	0.89
09-Mar-84	0	4.1	0.89
10-Mar-84	0	4.1	0.89
11-Mar-84	0	4.1	0.89
12-Mar-84	0.2	4.1	0.89
13-Mar-84	0	4.1	0.89
14-Mar-84	0	4.1	0.89
15-Mar-84	0	4.1	0.89
16-Mar-84	0	4.1	0.89
17-Mar-84	0	4.1	0.89
18-Mar-84	0	4.1	0.89
19-Mar-84	0	4.1	0.85
20-Mar-84	0	4.1	0.85
21-Mar-84	0	4.1	0.89
22-Mar-84	0	4.1	0.85
23-Mar-84	0	4.1	0.85
24-Mar-84	0	4.1	0.85
25-Mar-84	0	4.1	0.85
26-Mar-84	0	4.1	0.85
27-Mar-84	10.2	4.1	0.89
28-Mar-84	0	4.1	0.85
29-Mar-84	0	4.1	0.85
30-Mar-84	0	4.1	0.85
31-Mar-84	1	4.1	0.85
01-Apr-84	25.1	5	0.93
02-Apr-84	13.2	5	0.93
03-Apr-84	0	5	0.85
04-Apr-84	0	5	0.85
05-Apr-84	0	5	0.85
06-Apr-84	0	5	0.85
07-Apr-84	0	5	0.85
08-Apr-84	0	5	0.85
09-Apr-84	0	5	0.85
10-Apr-84	0	5	0.89
11-Apr-84	0.4	5	0.85
12-Apr-84	0	5	0.82
13-Apr-84	0	5	0.82
14-Apr-84	0	5	0.82
15-Apr-84	0	5	0.82
16-Apr-84	0	5	0.82
17-Apr-84	0	5	0.82
18-Apr-84	18.7	5	0.82

Model

Date	Daily Rainfall (mm)	Daily EVP (mm/day)	Observed discharge
21-Feb-84	0	2.8	0.96
22-Feb-84	0	2.8	0.93
23-Feb-84	0	2.8	0.93
24-Feb-84	0	2.8	0.93
25-Feb-84	0	2.8	0.89
26-Feb-84	0	2.8	0.89
27-Feb-84	0	2.8	0.89
26-Apr-84	0	5	0.85
27-Apr-84	9.8	5	0.93
28-Apr-84	0	5	1.04
29-Apr-84	32.4	5	1.17
30-Apr-84	3.7	5	1.04
01-May-84	2.7	5	1.00
02-May-84	2.9	5.8	0.96
03-May-84	0	5.6	0.93
04-May-84	31.7	9.3	0.96
05-May-84	1.9	5.5	1.04
06-May-84	14.8	4.2	1.26
07-May-84	35.9	5	1.13
08-May-84	19.8	5.3	1.04
09-May-84	102.3	5	2.79
10-May-84	5.9	5	1.47
11-May-84	0	4	1.17
12-May-84	0	3.9	1.13
13-May-84	45.9	9.2	1.36
14-May-84	2.2	3	1.31
15-May-84	2.7	3.6	1.26
16-May-84	3.7	6.8	1.31
17-May-84	24.8	10.1	1.17
18-May-84	0	4.3	1.08
19-May-84	0.2	5.8	1.04
20-May-84	0	5	1.04
21-May-84	11.4	5	1.04
22-May-84	19	11	1.00
23-May-84	36.7	13.7	1.04
24-May-84	0	7.4	1.04
25-May-84	19.2	10.8	1.26
26-May-84	34.3	5	1.63
27-May-84	0	3.1	1.36
28-May-84	16	1.5	1.41
29-May-84	19.4	6.2	3.57
30-May-84	3.2	5	1.75
31-May-84	3.6	5	2.45
01-Jun-84	0	5.9	1.57
02-Jun-84	49	14.8	2.08
03-Jun-84	70	4.7	3.46
04-Jun-84	15.8	4.7	2.70
05-Jun-84	118.3	4.7	10.87
06-Jun-84	9	4.7	2.45
07-Jun-84	0.4	6.4	11.39
08-Jun-84	0.5	4.1	4.02
09-Jun-84	0	1.2	3.06
10-Jun-84	95.2	4.7	13.08
11-Jun-84	13	4.7	5.05
12-Jun-84	16.3	6.1	4.91
13-Jun-84	19.6	2.4	4.38
14-Jun-84	0	4.2	3.79
15-Jun-84	0	4.7	3.26
16-Jun-84	112.7	4.7	3.57

Date	Daily Rainfall (mm)	Daily EVP (mm/day)	Observed discharge
19-Apr-84	0	5	0.82
20-Apr-84	0	5	0.82
21-Apr-84	0	5	0.82
22-Apr-84	0	5	0.82
23-Apr-84	2.2	5	0.93
24-Apr-84	0.3	5	0.85
25-Apr-84	13.3	5	0.85
03-Jul-84	15.2	7.8	12.49
04-Jul-84	43.2	4	15.62
05-Jul-84	53.5	4	83.79
06-Jul-84	64	4	28.23
07-Jul-84	18.4	4	21.86
08-Jul-84	95	4	57.38
09-Jul-84	31	4	24.16
10-Jul-84	2.4	4.4	15.96
11-Jul-84	127	4	29.33
12-Jul-84	171.5	4	60.27
13-Jul-84	56.8	4	20.14
14-Jul-84	41.9	4	16.31
15-Jul-84	51.3	4	12.49
16-Jul-84	68.4	4	27.70
17-Jul-84	4.7	4	13.08
18-Jul-84	11.6	8.2	10.37
19-Jul-84	18	6.3	8.32
20-Jul-84	0	7	7.72
21-Jul-84	25.5	7.5	12.78
22-Jul-84	48	4	28.23
23-Jul-84	9.5	4	15.62
24-Jul-84	6	4.2	16.66
25-Jul-84	8.2	1.3	10.62
26-Jul-84	24	7.9	32.23
27-Jul-84	128.3	4	37.32
28-Jul-84	8	4	14.62
29-Jul-84	92.7	4	27.70
30-Jul-84	73.2	4	40.80
31-Jul-84	12	4	25.13
01-Aug-84	31	4.1	18.15
02-Aug-84	0	4.1	12.49
03-Aug-84	19.6	7.2	9.65
04-Aug-84	0	4.9	7.34
05-Aug-84	28.5	8.7	7.15
06-Aug-84	69.5	4.1	10.62
07-Aug-84	11	4.1	7.34
08-Aug-84	80	4.1	17.39
09-Aug-84	1.4	4.1	8.97
10-Aug-84	5	4.5	9.19
11-Aug-84	3.5	6.9	7.53
12-Aug-84	16	6.5	6.61
13-Aug-84	56	4.1	10.12
14-Aug-84	0	4.1	5.63
15-Aug-84	44.5	12	11.66
16-Aug-84	1.2	2.7	7.34
17-Aug-84	24.6	6.9	7.92
18-Aug-84	0.3	0.9	7.53
19-Aug-84	7.5	6.1	6.79
20-Aug-84	30	4.1	26.13
21-Aug-84	35	4.1	11.66
22-Aug-84	9	1	18.92
23-Aug-84	4.2	4.2	23.22

Model

Date	Daily Rainfall (mm)	Daily EVP (mm/day)	Observed discharge
17-Jun-84	18	4.7	0.82
18-Jun-84	31.2	4.7	32.23
19-Jun-84	0.2	4.7	11.13
20-Jun-84	161.5	4.7	37.32
21-Jun-84	18	4.7	15.28
22-Jun-84	2.2	5.4	11.39
23-Jun-84	0.3	8.2	10.62
24-Jun-84	4.6	1.2	5.79
25-Jun-84	9.5	6.3	5.95
26-Jun-84	5.7	1.5	5.63
27-Jun-84	1.4	2.8	4.38
28-Jun-84	15.1	9.3	6.61
29-Jun-84	23.2	8.9	5.33
30-Jun-84	12.6	7.6	13.99
01-Jul-84	3.6	5.2	13.37
02-Jul-84	17.6	7.1	11.39
09-Sep-84	17.6	1.9	9.88
10-Sep-84	0	8.5	9.88
11-Sep-84	26.6	3	12.21
12-Sep-84	6.4	19.2	10.62
13-Sep-84	78.6	2.1	11.13
14-Sep-84	10.2	3.6	11.66
15-Sep-84	32.4	3.6	11.39
16-Sep-84	33.3	1.1	9.65
17-Sep-84	17.8	12.8	12.78
18-Sep-84	75.8	3.6	11.66
19-Sep-84	81.6	3.6	11.66
20-Sep-84	0	3.6	11.66
21-Sep-84	0.8	3.6	9.19
22-Sep-84	0.7	2.9	8.75
23-Sep-84	0	5.2	6.79
24-Sep-84	0	4.8	5.63
25-Sep-84	0	3.5	5.48
26-Sep-84	0	4.7	5.19
27-Sep-84	0	4.9	4.64
28-Sep-84	0	4.1	4.38
29-Sep-84	0	4.2	4.26
30-Sep-84	0	4.7	4.02
01-Oct-84	0	4.3	3.79
02-Oct-84	0	4.2	3.57
03-Oct-84	0	3	3.26
04-Oct-84	0	4.9	3.16
05-Oct-84	1.2	5	3.06
06-Oct-84	1.4	5	3.06
07-Oct-84	0	4.2	2.97
08-Oct-84	0	3.7	2.70
09-Oct-84	0	3.5	2.62
10-Oct-84	0	4.1	2.62
11-Oct-84	0	2	2.53
12-Oct-84	0	2.9	2.45
13-Oct-84	0	4.4	2.45
14-Oct-84	0	2.4	2.45
15-Oct-84	17	4.9	3.57
16-Oct-84	12.8	5.2	2.53
17-Oct-84	0	3.7	2.45
18-Oct-84	6.6	6.3	2.70
19-Oct-84	19	8.7	2.53
20-Oct-84	0	2.5	2.70
21-Oct-84	0	4.6	2.53

Date	Daily Rainfall (mm)	Daily EVP (mm/day)	Observed discharge
24-Aug-84	46	4.1	38.68
25-Aug-84	0	4.1	40.80
26-Aug-84	56	4.1	32.83
27-Aug-84	4.2	4.1	17.77
28-Aug-84	7.2	4.1	22.75
29-Aug-84	45	8	12.49
30-Aug-84	42.2	4.1	11.93
31-Aug-84	26.8	4.1	12.49
01-Sep-84	32	7	11.93
02-Sep-84	2.5	5.5	11.39
03-Sep-84	10	3.6	10.37
04-Sep-84	7.6	5.5	8.32
05-Sep-84	8.6	3.6	8.75
06-Sep-84	96	3.6	8.97
07-Sep-84	32	3.6	48.54
08-Sep-84	0.3	3.6	14.30
16-Nov-84	0	2.4	1.75
17-Nov-84	0	4.1	1.75
18-Nov-84	0	3	1.75
19-Nov-84	0	2	1.75
20-Nov-84	0	3.1	1.75
21-Nov-84	0	2.7	1.69
22-Nov-84	0	4.4	1.69
23-Nov-84	0	2.9	1.63
24-Nov-84	0	3.1	1.63
25-Nov-84	0	4.1	1.63
26-Nov-84	0	1.4	1.63
27-Nov-84	0	0.9	1.63
28-Nov-84	0	3.7	1.63
29-Nov-84	0	3.6	1.57
30-Nov-84	0	2.8	1.57
01-Dec-84	0	2	1.57
02-Dec-84	0	2	1.57
03-Dec-84	0	2.3	1.52
04-Dec-84	0	3.2	1.52
05-Dec-84	0	1.3	1.52
06-Dec-84	0	2.7	1.52
07-Dec-84	0	2.1	1.52
08-Dec-84	0	0.5	1.52
09-Dec-84	0	0.4	1.52
10-Dec-84	0	1.7	1.52
11-Dec-84	0	1.9	1.52
12-Dec-84	0	1.3	1.52
13-Dec-84	0.3	1.7	1.52
14-Dec-84	0.8	0.5	1.52
15-Dec-84	0	2.2	1.52
16-Dec-84	0	1	1.52
17-Dec-84	0	2.1	1.52
18-Dec-84	0	4	1.52
19-Dec-84	0	2.5	1.47
20-Dec-84	0	1.9	1.52
21-Dec-84	0	1.5	1.52
22-Dec-84	0	2.9	1.47
23-Dec-84	0	2	1.47
24-Dec-84	0	2	1.41
25-Dec-84	0	1.8	1.41
26-Dec-84	0	2	1.36
27-Dec-84	0	2.2	1.36
28-Dec-84	0	2.8	1.36

Date	Daily Rainfall (mm)	Daily EVP (mm/day)	Observed discharge
22-Oct-84	0	3.9	2.45
23-Oct-84	0	2.6	2.45
24-Oct-84	0	3.1	2.45
25-Oct-84	0	4.6	2.37
26-Oct-84	0	2.8	2.37
27-Oct-84	0	3.3	2.37
28-Oct-84	0	3.7	2.37
29-Oct-84	0	5.2	2.15
30-Oct-84	0	1.5	2.08
31-Oct-84	0	0.7	2.08
01-Nov-84	0	3.3	2.08
02-Nov-84	0	4	1.94
03-Nov-84	0	2.8	1.94
04-Nov-84	0	2.7	1.94
05-Nov-84	0	3.1	1.81
06-Nov-84	0	3.6	1.81
07-Nov-84	0	3.2	1.81
08-Nov-84	0	3.4	1.81
09-Nov-84	0	3.5	1.81
10-Nov-84	0	3.7	1.81
11-Nov-84	0	3	1.75
12-Nov-84	0	3.7	1.75
13-Nov-84	0	2.4	1.75
14-Nov-84	0	3.6	1.75
15-Nov-84	0	2.3	1.75

Model

Date	Daily Rainfall (mm)	Daily EVP (mm/day)	Observed discharge
29-Dec-84	0	2	1.36
30-Dec-84	0	1.9	1.36
31-Dec-84	0	1	1.36
			2099.85
		Average	5.74

TABLE C CALCULATION OF THE DAILY OUTFLOW FROM PARDI DAM (YEAR 2000)

Date	Duration	Lake level	AverageH1	Crest level	Length(L)	Discharge(Q)	Average Q
1/1	0	792.95	792.95	789	5.7	0	0
1/2	0	792.95	792.95			0	0
1/3	0	792.95	792.95			0	0
1/4	0	792.95	792.95			0	0
1/5	0	792.95	792.95			0	0
1/6	0	792.95	792.95			0	0
1/7	0	792.95	792.95			0	0
1/8	0	792.95	792.925			0	0
1/9	0	792.9	792.9			0	0
1/10	0	792.9	792.9			0	0
1/11	0	792.9	792.9			0	0
1/12	0	792.9	792.9			0	0
1/13	0	792.9	792.925			0	0
1/14	0	792.95	792.95			0	0
1/15	0	792.95	792.95			0	0
1/16	0	792.95	792.95			0	0
1/17	0	792.95	792.95			0	0
1/18	0	792.95	792.95			0	0
1/19	0	792.95	792.95			0	0
1/20	0	792.95	792.575			0	0
1/21	0	792.2	792.2			0	0
1/22	0	792.2	792.2			0	0
1/23	0	792.2	792.2			0	0
1/24	0	792.2	792.2			0	0
1/25	0	792.2	792.525			0	0
1/26	0	792.85	792.85			0	0
1/27	0	792.85	792.85			0	0
1/28	0	792.85	792.85			0	0
1/29	0	792.85	792.85			0	0
1/30	0	792.85	792.85			0	0
1/31	0	792.85	792.85			0	0
2/1	0	792.85	792.825			0	0
2/2	0	792.8	792.8			0	0
2/3	0	792.8	792.8			0	0
2/4	0	792.8	792.8			0	0
2/5	0	792.8	792.8			0	0
2/6	0	792.8	792.8			0	0
2/7	0	792.8	792.8			0	0
2/8	0	792.8	792.8			0	0
2/9	0	792.8	792.8			0	0
2/10	0	792.8	792.8			0	0
2/11	0	792.8	792.775			0	0
2/12	0	792.75	792.75			0	0
2/13	0	792.75	792.75			0	0
2/14	0	792.75	792.75			0	0
2/15	0	792.75	792.75			0	0
2/16	0	792.75	792.75			0	0
2/17	0	792.75	792.75			0	0
2/18	0	792.75	792.75			0	0
2/19	0	792.75	792.725			0	0
2/20	0	792.7	792.7			0	0
2/21	0	792.7	792.7			0	0
2/22	0	792.7	792.7			0	0
2/23	0	792.7	792.7			0	0
2/24	0	792.7	792.7			0	0

Date	Duration	Lake level	AverageH1	Crest level	Length(L)	Discharge(Q)	Average Q
2/27	0	792.65	792.65			0	0
2/28	0	792.65	792.65			0	0
3/1	0	792.65	792.65			0	0
3/2	0	792.65	792.65			0	0
3/3	0	792.65	792.65			0	0
3/4	0	792.65	792.65			0	0
3/5	0	792.65	792.65			0	0
3/6	0	792.65	792.65			0	0
3/7	0	792.65	792.65			0	0
3/8	0	792.65	792.625			0	0
3/9	0	792.6	792.6			0	0
3/10	0	792.6	792.6			0	0
3/11	0	792.6	792.6			0	0
3/12	0	792.6	792.6			0	0
3/13	0	792.6	792.6			0	0
3/14	0	792.6	792.6			0	0
3/15	0	792.6	792.6			0	0
3/16	0	792.6	792.6			0	0
3/17	0	792.6	792.6			0	0
3/18	0	792.6	792.6			0	0
3/19	0	792.6	792.6			0	0
3/20	0	792.6	792.6			0	0
3/21	0	792.6	792.6			0	0
3/22	0	792.6	792.6			0	0
3/23	0	792.6	792.6			0	0
3/24	0	792.6	792.6			0	0
3/25	0	792.6	792.6			0	0
3/26	0	792.6	792.575			0	0
3/27	0	792.55	792.55			0	0
3/28	0	792.55	792.55			0	0
3/29	0	792.55	792.55			0	0
3/30	0	792.55	792.55			0	0
3/31	0	792.55	792.55			0	0
4/1	0	792.55	792.55			0	0
4/2	0	792.55	792.55			0	0
4/3	0	792.55	792.55			0	0
4/4	0	792.55	792.55			0	0
4/5	0	792.55	792.55			0	0
4/6	0	792.55	792.55			0	0
4/7	0	792.55	792.5			0	0
4/8	2	792.45	792.45			25.13793119	2.094827599
4/9	0	792.45	792.45			0	0
4/10	0	792.45	792.45			0	0
4/11	0	792.45	792.45			0	0
4/12	0	792.45	792.45			0	0
4/13	0	792.45	792.45			0	0
4/14	0	792.45	792.45			0	0
4/15	0	792.45	792.45			0	0
4/16	0	792.45	792.475			0	0
4/17	0	792.5	792.5			0	0
4/18	0	792.5	792.475			0	0
4/19	0	792.45	792.45			0	0
4/20	0	792.45	792.45			0	0
4/21	0	792.45	792.45			0	0
4/22	0	792.45	792.45			0	0





	2	791.95	792.03		108.95	9.09
	0	792.10	792.03		0.00	0.00
	2	792.10	792.10		46.77	3.90
	2	792.05	792.08		46.57	3.88
	2	793.80	793.80		44.42	3.70
6/18	2	793.80	793.80		44.42	3.70
	2	793.80	793.80		44.42	3.70
	2	793.80	793.80		44.42	3.70
	2	793.80	793.80		44.42	3.70
	2	793.80	793.80		44.42	3.70
	2	793.70	793.75		14.97	1.25
	2	793.80	793.75		0.00	0.00
	2	793.80	793.75		0.00	0.00
	2	793.80	793.80		0.00	0.00
	2	793.80	793.80		0.00	0.00
	2	793.85	793.83		0.00	0.00
	2	793.85	793.85		0.00	0.00
	2	793.85	793.85		0.00	0.00
6/19	2	793.85	793.85		0.00	0.00
	2	793.85	793.85		0.00	0.00
	2	793.90	793.88		0.00	0.00
	2	793.90	793.90		0.00	0.00
	2	793.90	793.90		0.00	0.00
	2	793.90	793.90		0.00	0.00
	2	793.90	793.90		0.00	0.00
	2	793.95	793.93		15.16	1.26
	2	793.95	793.95		15.20	1.27
	2	794.00	793.98		74.63	6.22
	2	793.95	793.98		74.63	6.22
	2	793.90	793.93		74.23	6.19
6/20	2	793.85	793.88		73.84	6.15
	2	793.80	793.83		73.44	6.12
	2	793.70	793.75		72.83	6.07
	2	793.60	793.65		0.00	0.00
	2	793.70	793.65		0.00	0.00
	2	793.70	793.70		0.00	0.00
	2	793.75	793.73		0.00	0.00
	2	793.75	793.75		0.00	0.00
	2	793.80	793.78		0.00	0.00
	2	793.90	793.85		29.93	2.49
	2	793.90	793.90		30.09	2.51
	2	793.90	793.90		30.09	2.51
6/21	2	794.00	793.95		15.20	1.27
	2	793.90	793.95		15.20	1.27
	2	793.80	793.85		15.05	1.25
	2	793.70	793.75		29.62	2.47
	2	793.80	793.75		72.83	6.07
	2	793.80	793.80		73.23	6.10
	2	793.85	793.83		73.44	6.12
	2	793.85	793.85		73.64	6.14
	2	793.90	793.88		73.84	6.15
	2	793.95	793.93		74.23	6.19
	2	793.95	793.95		88.84	7.40
	2	793.95	793.95		88.84	7.40
6/22	2	794.05	794.00		212.09	17.67
	2	793.95	794.00		212.09	17.67
	2	793.80	793.88		208.93	17.41
	2	793.65	793.73		127.73	10.64
	2	793.90	793.78		128.48	10.71
	2	793.85	793.88		129.96	10.83
	2	793.80	793.83		129.22	10.77
	2	793.70	793.75		44.18	3.68
	2	793.75	793.73		44.06	3.67
	2	793.75	793.75		44.18	3.68

	2	793.70	793.78		73.03	6.09
	2	793.70	793.70		43.94	3.66
	2	793.70	793.70		14.81	1.23
	2	793.75	793.73		14.85	1.24
	2	793.70	793.73		0.00	0.00
	2	793.80	793.75		0.00	0.00
	2	793.85	793.83		0.00	0.00
	2	793.90	793.88		0.00	0.00
	2	793.95	793.93		0.00	0.00
	2	794.00	793.98		30.33	2.53
	2	794.00	794.00		74.83	6.24
	2	793.95	793.98		74.63	6.22
	2	793.90	793.93		74.23	6.19
6/24	2	793.85	793.88		73.84	6.15
	2	793.80	793.83		73.44	6.12
	2	793.75	793.78		73.03	6.09
	2	793.70	793.73		0.00	0.00
	2	793.70	793.70		0.00	0.00
	2	793.75	793.73		0.00	0.00
	2	793.80	793.78		0.00	0.00
	2	793.85	793.83		0.00	0.00
	2	793.90	793.88		44.78	3.73
	2	793.90	793.90		44.90	3.74
	2	793.95	793.93		74.23	6.19
	2	793.95	793.95		74.43	6.20
6/25	2	793.90	793.93		74.23	6.19
	2	793.80	793.85		73.64	6.14
	2	793.75	793.78		73.03	6.09
	2	793.70	793.73		0.00	0.00
	2	793.80	793.75		0.00	0.00
	2	793.80	793.80		0.00	0.00
	2	793.85	793.83		0.00	0.00
	2	793.85	793.85		0.00	0.00
	2	793.90	793.88		0.00	0.00
	2	793.90	793.90		44.90	3.74
	2	793.85	793.88		44.78	3.73
	2	793.85	793.85		44.66	3.72
6/26	2	793.80	793.83		44.54	3.71
	2	793.75	793.78		44.30	3.69
	2	793.70	793.73		0.00	0.00
	2	793.75	793.73		0.00	0.00
	2	793.75	793.75		0.00	0.00
	2	793.80	793.78		0.00	0.00
	2	793.80	793.80		0.00	0.00
	2	793.85	793.83		0.00	0.00
	2	793.90	793.88		0.00	0.00
	2	793.95	793.93		59.71	4.98
	2	793.95	793.95		59.86	4.99
	2	793.90	793.93		59.71	4.98
6/27	2	793.85	793.88		59.39	4.95
	2	793.80	793.83		59.07	4.92
	2	793.75	793.78		58.75	4.90
	2	793.70	793.73		0.00	0.00
	2	793.75	793.73		0.00	0.00
	2	793.75	793.75		0.00	0.00
	2	793.80	793.78		0.00	0.00
	2	793.80	793.80		0.00	0.00
	2	793.80	793.80		29.78	2.48
	2	793.80	793.80		29.78	2.48
	2	793.75	793.78		29.70	2.47
6/28	2	793.75	793.75		29.62	2.47
	2	793.75	793.75		29.62	2.47



	2	793.75	793.75			44.18	3.68
	2	793.75	793.75			44.18	3.68
6/23	2	793.80	793.78			44.30	3.69
	2	793.85	793.83			87.63	7.30
	2	793.80	793.83			87.63	7.30
	2	793.75	793.85			0.00	0.00
	2	793.75	793.75			0.00	0.00
	2	793.75	793.75			0.00	0.00
	2	793.80	793.78			0.00	0.00
	2	794.00	793.90			88.36	7.36
6/29	2	793.90	793.95			88.84	7.40
	2	793.85	793.88			88.12	7.34
	2	793.80	793.83			15.01	1.25
	2	793.85	793.83			15.01	1.25
	2	793.85	793.85			15.05	1.25
	2	793.90	793.88			15.08	1.26
	2	793.90	793.90			15.12	1.26
	2	793.95	793.93			59.71	4.98
	2	793.90	793.93			59.71	4.98
	2	793.85	793.88			59.39	4.95
	2	793.85	793.85			59.23	4.94
	2	793.85	793.85			59.23	4.94
6/30	2	793.85	793.85			59.23	4.94
	2	793.85	793.85			59.23	4.94
	2	793.80	793.83			59.07	4.92
	2	793.80	793.80			29.78	2.48
	2	793.80	793.80			29.78	2.48
	2	793.80	793.80			29.78	2.48
	2	793.85	793.83			29.85	2.49
	2	793.85	793.85			29.93	2.49
	2	793.90	793.88			30.01	2.50
	2	793.90	793.90			44.90	3.74
	2	793.85	793.83			44.78	3.73
7/1	2	793.85	793.85			44.66	3.72
	2	793.85	793.85			44.66	3.72
	2	793.80	793.83			15.01	1.25
	2	793.80	793.80			14.97	1.25
	2	793.85	793.83			15.01	1.25
	2	793.85	793.85			15.05	1.25
	2	793.85	793.85			29.93	2.49
	2	793.80	793.83			29.85	2.49
	2	793.80	793.80			29.78	2.48
	2	793.80	793.80			29.78	2.48
	2	793.80	793.80			29.78	2.48
7/2	2	793.80	793.80			29.78	2.48
	2	793.75	793.78			7.48	0.62
	2	793.75	793.75			7.46	0.62
	2	793.75	793.75			7.46	0.62
	2	793.80	793.78			7.48	0.62
	2	793.80	793.80			7.50	0.63
	2	793.85	793.83			7.52	0.63
	2	793.85	793.85			0.00	0.00
	2	793.85	793.85			0.00	0.00
	2	793.90	793.88			0.00	0.00
	2	793.90	793.90			0.00	0.00
	2	793.90	793.90			0.00	0.00
7/3	2	793.90	793.90			0.00	0.00
	2	793.90	793.90			0.00	0.00
	2	793.95	793.93			0.00	0.00
	2	793.95	793.95			0.00	0.00
	2	793.95	793.95			30.25	2.52

	2	793.70	793.73				29.54	2.46
	2	793.70	793.70				0.00	0.00
	2	793.75	793.73				0.00	0.00
	2	793.75	793.75				0.00	0.00
	2	793.75	793.75				0.00	0.00
	2	793.95	793.85				29.93	2.49
7/4	2	793.95	793.95				30.25	2.52
	2	794.00	793.98				89.08	7.42
	2	794.00	794.00				89.31	7.44
	2	793.50	793.75				86.90	7.24
	2	793.90	793.70				86.41	7.20
	2	793.85	793.88				88.12	7.34
	2	793.80	793.83				29.85	2.49
	2	793.85	793.83				29.85	2.49
	2	793.85	793.85				29.93	2.49
	2	793.85	793.85				15.05	1.25
	2	793.85	793.85				15.05	1.25
	2	793.90	793.88				15.08	1.26
7/5	2	793.95	793.93				15.16	1.26
	2	794.05	794.00				103.64	8.64
	2	794.15	794.10				214.58	17.88
	2	794.10	794.13				215.20	17.93
	2	794.05	794.08				213.96	17.83
	2	794.00	794.03				212.71	17.73
	2	793.90	793.95				210.83	17.57
	2	793.80	793.85				44.66	3.72
	2	793.90	793.85				44.66	3.72
	2	793.90	793.90				44.90	3.74
	2	794.00	793.95				88.84	7.40
	2	794.00	794.00				89.31	7.44
7/6	2	794.05	794.00				89.31	7.44
	2	794.05	794.03				146.01	12.17
	2	794.05	794.05				146.41	12.20
	2	794.15	794.10				214.58	17.88
	2	794.00	794.08				213.96	17.83
	2	793.80	793.90				170.75	14.23
	2	793.90	793.85				169.75	14.15
	2	793.90	793.90				170.75	14.23
	2	793.90	793.90				170.75	14.23
	2	793.95	793.93				88.60	7.38
	2	793.95	793.95				88.84	7.40
	2	793.95	793.95				88.84	7.40
7/7	2	793.95	793.95				88.84	7.40
	2	794.00	793.98				#NUM!	#NUM!
	2	794.00	794.00				#NUM!	#NUM!
	2	794.10	794.05				213.34	17.78
	2	794.00	794.05				213.34	17.78
	2	793.90	793.95				210.83	17.57
	2	793.80	793.85				73.64	6.14
	2	793.90	793.85				73.64	6.14
	2	793.90	793.90				74.04	6.17
	2	793.90	793.90				74.04	6.17
	2	793.90	793.90				74.04	6.17
	2	793.90	793.90				74.04	6.17
7/8	2	793.90	793.90				74.04	6.17
	2	793.80	793.85				73.64	6.14
	2	793.80	793.80				73.23	6.10
	2	793.80	793.80				29.78	2.48
	2	793.90	793.85				29.93	2.49
	2	793.90	793.90				30.09	2.51
	2	793.90	793.90				30.09	2.51
	2	793.90	793.90				30.09	2.51
	2	793.90	793.90				30.09	2.51

	2	793.90	793.93		30.17	2.51
	2	793.90	793.90		30.09	2.51
	2	793.90	793.90		30.09	2.51
	2	793.90	793.90		30.09	2.51
	2	793.90	793.90		30.09	2.51
	2	793.95	793.93		30.17	2.51
	2	793.90	793.95		7.62	0.64
	2	793.90	793.90		37.52	3.13
	2	793.90	793.90		37.52	3.13
	2	793.90	793.90		37.52	3.13
	2	793.90	793.90		37.52	3.13
	2	794.00	793.95		74.43	6.20
	2	794.10	794.05		146.41	12.20
	2	794.05	794.05		146.82	12.23
7/10	2	794.00	794.03		146.01	12.17
	2	793.95	793.98		145.20	12.10
	2	793.95	793.95		144.79	12.07
	2	793.90	793.93		144.38	12.03
	2	793.90	793.90		143.97	12.00
	2	793.85	793.88		143.56	11.96
	2	793.80	793.83		44.54	3.71
	2	793.80	793.85		44.66	3.72
	2	793.80	793.90		44.90	3.74
	2	793.90	793.90		44.90	3.74
	2	793.80	793.90		44.90	3.74
7/11	2	793.95	793.93		45.02	3.75
	2	793.40	793.68		72.22	6.02
	2	793.85	793.68		72.22	6.02
	2	793.95	793.95		74.43	6.20
	2	793.90	793.93		74.23	6.19
	2	793.85	793.88		73.84	6.15
	2	793.80	793.83		73.44	6.12
	2	793.90	793.85		29.93	2.49
	2	793.90	793.90		30.09	2.51
	2	793.90	793.90		30.09	2.51
	2	793.95	793.93		30.17	2.51
	2	794.00	793.98		60.02	5.00
7/12	2	793.90	793.95		59.86	4.99
	2	793.80	793.85		15.05	1.25
	2	793.85	793.83		15.01	1.25
	2	793.85	793.85		0.00	0.00
	2	793.90	793.88		15.08	1.26
	2	793.90	793.90		15.12	1.26
	2	793.90	793.90		15.12	1.26
	2	793.90	793.90		15.12	1.26
	2	793.95	793.93		45.02	3.75
	2	793.95	793.95		45.14	3.76
	2	793.95	793.95		45.14	3.76
7/13	2	793.90	793.93		45.02	3.75
	2	793.90	793.90		44.90	3.74
	2	793.90	793.90		44.90	3.74
	2	793.85	793.88		0.00	0.00
	2	793.90	793.88		0.00	0.00
	2	793.90	793.90		0.00	0.00
	2	793.90	793.90		0.00	0.00
	2	793.90	793.90		0.00	0.00
	2	793.95	793.93		0.00	0.00
	2	794.00	793.98		15.24	1.27
	2	794.00	794.00		15.28	1.27

	2	793.90	793.90		30.09	2.51
	2	793.95	793.93		74.23	6.19
	2	793.95	793.95		74.43	6.20
7/14	2	793.90	793.93		74.23	6.19
	2	793.90	793.90		74.04	6.17
	2	793.80	793.85		7.54	0.63
	2	794.00	793.90		30.09	2.51
	2	794.00	794.00		30.40	2.53
	2	794.00	794.00		30.40	2.53
	2	794.00	794.00		30.40	2.53
	2	794.00	794.00		30.40	2.53
7/15	2	794.05	794.03		30.48	2.54
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.00	794.03		45.49	3.79
	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
7/16	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
	2	794.05	794.03		30.48	2.54
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
7/17	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		30.56	2.55
	2	794.00	794.00		30.40	2.53
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
7/18	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.05	794.03		45.49	3.79
7/19	2	794.05	794.05		45.60	3.80
	2	794.10	794.08		90.02	7.50
	2	794.05	794.08		90.02	7.50



	2	793.95	793.93	793.95	793.95	30.17	2.51
	2	793.95	793.95	793.95	793.95	30.25	2.52
	2	793.95	793.95	793.95	793.95	30.25	2.52
	2	793.95	793.95	793.95	793.95	30.25	2.52
	2	794.05	794.07	794.05	794.05	74.83	6.24
7/25	2	794.05	794.05			75.22	6.27
	2	794.10	794.08			146.82	12.23
	2	794.10	794.10			174.69	14.56
	2	794.00	794.05			30.56	2.55
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.05	794.03			75.02	6.25
	2	794.05	794.05			75.22	6.27
7/31	2	794.05	794.05			75.22	6.27
	2	794.00	794.03			45.49	3.79
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
8/1	2	794.05	794.03			45.49	3.79
	2	794.10	794.08			75.42	6.28
	2	794.05	794.05			75.42	6.28
	2	794.05	794.05			75.22	6.27
	2	794.00	794.03			75.02	6.25
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
8/2	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
8/3	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.05	794.03			30.48	2.54
	2	794.10	794.08			104.47	8.71
	2	794.10	794.10			104.75	8.73
	2	794.05	794.08			104.47	8.71
	2	794.00	794.03			60.34	5.03
	2	794.00	794.00			60.18	5.01
8/4	2	794.00	794.00			60.18	5.01
	2	794.00	794.00			15.28	1.27

	2	794.00	794.00			30.40	2.53
7/30	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.05	794.05			60.49	5.04
8/5	2	794.05	794.05			60.49	5.04
	2	794.00	794.03			15.32	1.28
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.05	794.05			45.60	3.80
	2	794.05	794.05			45.60	3.80
	2	794.05	794.05			45.60	3.80
8/6	2	794.05	794.05			45.60	3.80
	2	794.10	794.08			118.75	9.90
	2	794.10	794.10			119.07	9.92
	2	794.05	794.08			118.75	9.90
	2	794.00	794.03			118.11	9.84
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.10	794.10			146.41	12.20
8/7	2	794.10	794.10			147.22	12.27
	2	794.00	794.05			146.41	12.20
	2	793.95	793.98			74.63	6.22
	2	794.00	793.98			74.63	6.22
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.05	794.03			60.34	5.03
	2	794.05	794.05			60.49	5.04
	2	794.10	794.08			104.47	8.71
	2	794.10	794.10			104.75	8.73
8/8	2	794.10	794.10			104.75	8.73
	2	794.10	794.10			188.16	15.68
	2	794.00	794.05			187.10	15.59
	2	793.90	793.95			158.35	13.20
	2	794.00	793.95			158.35	13.20
	2	794.00	794.00			159.25	13.27
	2	794.00	794.00			159.25	13.27
	2	794.00	794.00			159.25	13.27
	2	794.50	794.25			61.73	5.14
	2	794.50	794.50			63.24	5.27
	2	794.50	794.50			63.24	5.27
	2	794.00	794.25			31.17	2.60
	2	794.00	794.00			30.40	2.53
8/9	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.50	794.25			46.52	3.88
	2	794.50	794.50			47.65	3.97



	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
8/15	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.50	794.25		15.66	1.31
	2	794.50	794.50		47.65	3.97
	2	794.00	794.25		46.52	3.88
	2	794.05	794.05		60.49	5.04
8/21	2	794.05	794.05		60.49	5.04
	2	794.05	794.05		60.49	5.04
	2	794.00	794.03		60.34	5.03
	2	794.00	794.00		60.18	5.01
	2	793.95	793.98		15.24	1.27
	2	794.00	793.98		15.24	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.05	794.03		45.49	3.79
	2	794.05	794.05		45.60	3.80
8/22	2	794.05	794.05		45.60	3.80
	2	794.05	794.05		45.60	3.80
	2	794.05	794.05		45.60	3.80
	2	794.00	794.03		45.49	3.79
	2	794.00	794.00		45.37	3.78
	2	793.95	793.98		15.24	1.27
	2	794.00	793.98		15.24	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
8/23	2	794.00	794.00		15.28	1.27
	2	793.95	793.98		74.63	6.22
	2	794.00	793.98		74.63	6.22
	2	794.00	794.00		74.83	6.24
	2	794.05	794.03		15.32	1.28
	2	794.00	794.03		15.32	1.28
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.05	794.03		30.48	2.54
	2	794.05	794.05		30.56	2.55
8/24	2	794.05	794.05		30.56	2.55
	2	794.05	794.05		45.60	3.80
	2	794.00	794.03		45.49	3.79
	2	794.05	794.03		45.49	3.79
	2	794.10	794.08		45.72	3.81
	2	794.05	794.08		45.72	3.81
	2	794.05	794.05		45.60	3.80
	2	794.00	794.03		45.49	3.79
	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
8/25	2	794.00	794.00		45.37	3.78
	2	793.95	793.98		45.25	3.77
	2	794.00	793.98		45.25	3.77
	2	794.05	794.03		75.02	6.25

	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	793.95	793.98		74.63	6.22
	2	793.95	793.95		74.43	6.20
	2	794.00	793.98		74.63	6.22
	2	794.05	794.03		60.34	5.03
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.05	794.03		45.49	3.79
	2	794.05	794.05		45.60	3.80
	2	794.00	794.03		45.49	3.79
	2	794.00	794.00		45.37	3.78
8/27	2	794.00	794.00		45.37	3.78
	2	794.00	794.00		45.37	3.78
	2	794.05	794.03		60.34	5.03
	2	794.05	794.05		60.49	5.04
	2	794.00	794.03		60.34	5.03
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
8/28	2	794.05	794.03		45.49	3.79
	2	794.50	794.28		46.64	3.89
	2	794.10	794.30		77.16	6.43
	2	794.05	794.08		75.42	6.28
	2	794.05	794.05		75.22	6.27
	2	794.00	794.03		75.02	6.25
	2	793.95	793.98		15.24	1.27
	2	794.00	794.00		15.24	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
8/29	2	794.00	794.00		15.28	1.27
	2	794.05	794.03		60.34	5.03
	2	794.05	794.05		60.49	5.04
	2	794.00	794.03		60.34	5.03
	2	794.00	794.00		60.18	5.01
	2	794.00	794.00		60.18	5.01
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.00	794.00		15.28	1.27
	2	794.05	794.03		45.49	3.79
	2	794.05	794.05		45.60	3.80
8/30	2	794.10	794.08		118.75	9.90
	2	794.05	794.08		118.75	9.90
	2	794.05	794.05		118.43	9.87
	2	794.05	794.05		118.43	9.87
	2	794.00	794.03		60.34	5.03
	2	794.00	794.00		60.18	5.01
	2	794.00	794.00		60.18	5.01
	2	794.00	794.00		60.18	5.01

	2	794.00	794.03			75.02	6.25
	2	794.00	794.00			74.83	6.24
	2	793.95	793.98			45.25	3.77
	2	794.00	793.98			45.25	3.77
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	793.95	793.98			15.24	1.27
	2	794.00	793.98			15.24	1.27
8/26	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
9/1	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
9/2	2	794.00	794.00			15.28	1.27
	2	794.10	794.05			89.79	7.48
	2	794.05	794.08			90.02	7.50
	2	794.05	794.05			89.79	7.48
	2	794.05	794.05			89.79	7.48
	2	794.00	794.03			89.55	7.46
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
9/3	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.05	794.03			75.02	6.25
	2	794.05	794.05			15.36	1.28
	2	794.00	794.03			15.32	1.28
	2	794.00	794.00			15.28	1.27
9/4	2	794.00	794.00			15.28	1.27
	2	794.05	794.03			15.32	1.28
	2	794.10	794.08			75.42	6.28
	2	794.05	794.03			75.42	6.28
	2	794.05	794.05			75.22	6.27
	2	794.00	794.03			75.02	6.25
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27

	2	794.00	794.00			60.18	5.01
	2	794.00	794.00			60.18	5.01
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
8/31	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.05	794.03			30.48	2.54
	2	794.05	794.05			30.56	2.55
	2	794.05	794.05			30.56	2.55
	2	794.05	794.05			45.60	3.80
	2	794.00	794.03			45.49	3.79
	2	794.00	794.00			15.28	1.27
9/6	2	794.00	794.00			15.28	1.27
	2	794.05	794.03			15.32	1.28
	2	794.10	794.08			60.65	5.05
	2	794.05	794.08			60.65	5.05
	2	794.05	794.05			60.49	5.04
	2	794.00	794.03			45.49	3.79
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			45.37	3.78
	2	794.00	794.00			15.24	1.27
	2	794.00	793.98			15.24	1.27
	2	794.00	793.98			15.24	1.27
	2	794.00	794.00			15.28	1.27
9/7	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			15.28	1.27
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			74.83	6.24
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
	2	794.00	794.00			30.40	2.53
9/8	2	794.00	794.00			30.40	2.53
	2	794.05	794.03			30.48	2.54
	2	794.10	794.08			75.42	6.28
	2	794.05	794.08			75.42	6.28
	2	794.05	794.05			75.22	6.27
	2	794.05	794.05			0.00	0.00
	2	794.10	794.08			0.00	0.00
	2	794.10	794.10			15.43	1.29
	2	794.10	794.10			15.43	1.29
	2	794.15	794.13			30.79	2.57
	2	794.10	794.13			30.79	2.57
	2	794.10	794.10			30.71	2.56
9/9	2	794.10	794.10			30.71	2.56
	2	794.10	794.10			30.71	2.56
	2	794.10	794.10			30.71	2.56
	2	794.10	794.10			30.71	2.56
	2	794.10	794.10			30.71	2.56
	2	794.10	794.10			30.71	2.56
	2	794.10	794.10			30.71	2.56
	2	794.05	794.08			30.63	2.55
	2	794.05	794.05			7.70	0.64
	2	794.05	794.05			7.70	0.64
9/10	2	794.10	794.08			7.72	0.64
	2	794.10	794.10			7.74	0.64
	2	794.10	794.10			7.74	0.64



















