Miller Creek below ROF
Future Conditions

m=48 Year	Lowest Monthly Mean Flow Aug-May (cfs)	n Rank	Tr
1987	0.13	48	1.0
1957	0.14	47	1.0
1989	0.14	46	1.0
1992	0.14	45	1.1
1951	0.15	44	1.1
1985	0.16	43	1.1
1973	0.17	42	1.1
1948	0.19	41	1.2
1966	0.19	40	1.2
1972	0.19	39	1.2
1962	0.21	38	1.3
1986	0.21	37	1.3
1969	0.22	36	1.3
1988	0.22	35	1.4
1980	0.24	34	1.4
1990	0.26	33	1.5
1968	0.27	32	1.5
1983	0.27	31	1.5
1984	0.27	30	1.6
1960	0.28	29	1.7
1979	0.31	28	1.7
1964	0.32	27	1.8
1965	0.33	26	1.8
1981	0.33	25	1.9
1993	0.33	24	2.0
1978	0.35	23	2.1
1958	0.36	22	2.2
1954	0.37	21	2.3
1956	0.37	20	2.4
1970	0.37	19	2.5
1991	0.4	18	2.7
1977	0.42	17	2.8
1994	0.42	16	3.0
1955	0.44	15	3.2
1974	0.44	14	3.4
1976	0.47	13	3.7
1952	0.5	12	4.0
1950	0.53	11	4.4
1959	0.57	10	4.8
1963	0.63	9	5.3
1953	0.64	8	6.0
1971	0.67	7	6.9
1975	0.84	6	8.0
1949	0.95	5	9.6
1961	1.02	4	12.0
1967	1.13	3	16.0
1982	1.16	2	24.0
1995	1.75	1	48.0

$\sim 40^{+4}_{0/0}$ 1L 6

$T_R = 5$, $Q = 0.60$ cfs

5 YR MEAN LOW FLOW FOR LOWEST MONTH AUG – MAY

2yr/72-hr

1

DAILY FLOWS

(*) is for out-of-range data

Data-set number Data-set name	2 PREC	30 FLOW	34 FLOW
1996 JUL 31	0.00	0.00	0.25
1996 AUG 1	0.25	0.01	0.38
1996 AUG 2	1.97	2.08	24.39
1996 AUG 3	0.37	1.23	11.37
1996 AUG 4	0.00	0.06	2.29
1996 AUG 5	0.00	0.01	1.09

Total Precip (in) — 72 hr event

Prod Eff. — Miller Ct Rec.

mid-summer storm event

Acute std - Peak of 2yr/72 hr

Effluent = 3.1 cfs

Receiving = 36.0 cfs

Chronic std - Avg. flow of 2yr/72 hr

(3 yr/72 hr is slightly higher)

Effluent = 1.1 cfs ⇒ ~ 96th % ILE

Receiving = 12.0 cfs ~ 92nd % ILE

2yr-2hr

1

(*) is for out-of-range data

Data-set number Data-set name	2 PREC	30 FLOW	34 FLOW
1996 JUL 31 01:00	0.00	0.00	0.25
1996 JUL 31 02:00	0.00	0.00	0.25
1996 JUL 31 03:00	0.00	0.00	0.25
1996 JUL 31 04:00	0.00	0.00	0.25
1996 JUL 31 05:00	0.00	0.00	0.25
1996 JUL 31 06:00	0.00	0.00	0.25
1996 JUL 31 07:00	0.00	0.00	0.25
1996 JUL 31 08:00	0.00	0.00	0.25
1996 JUL 31 09:00	0.00	0.00	0.25
1996 JUL 31 10:00	0.00	0.00	0.25
1996 JUL 31 11:00	0.00	0.00	0.25
1996 JUL 31 12:00	0.00	0.00	0.25
1996 JUL 31 13:00	0.00	0.00	0.25
1996 JUL 31 14:00	0.00	0.00	0.25
1996 JUL 31 15:00	0.00	0.00	0.25
1996 JUL 31 16:00	0.00	0.00	0.25
1996 JUL 31 17:00	0.00	0.00	0.25
1996 JUL 31 18:00	0.00	0.00	0.25
1996 JUL 31 19:00	0.00	0.00	0.24
1996 JUL 31 20:00	0.00	0.00	0.24
1996 JUL 31 21:00	0.00	0.00	0.24
1996 JUL 31 22:00	0.00	0.00	0.24
1996 JUL 31 23:00	0.00	0.00	0.24
1996 JUL 31 24:00	0.00	0.00	0.24
1996 AUG 1 01:00	0.11	0.02	0.60
1996 AUG 1 02:00	0.39	2.04	28.57
1996 AUG 1 03:00	0.04	2.13	31.25
1996 AUG 1 04:00	0.02	2.03	29.83
1996 AUG 1 05:00	0.02	1.90	24.85
1996 AUG 1 06:00	0.02	1.78	16.81
1996 AUG 1 07:00	0.00	1.49	7.08
1996 AUG 1 08:00	0.00	1.21	7.28
1996 AUG 1 09:00	0.00	0.97	5.31
1996 AUG 1 10:00	0.00	0.78	4.69
1996 AUG 1 11:00	0.00	0.63	4.00
1996 AUG 1 12:00	0.00	0.50	3.53
1996 AUG 1 13:00	0.00	0.40	3.12
1996 AUG 1 14:00	0.00	0.32	2.79
1996 AUG 1 15:00	0.00	0.26	2.50
1996 AUG 1 16:00	0.00	0.21	2.26
1996 AUG 1 17:00	0.00	0.17	2.05
1996 AUG 1 18:00	0.00	0.13	1.87
1996 AUG 1 19:00	0.00	0.11	1.71
1996 AUG 1 20:00	0.00	0.09	1.58
1996 AUG 1 21:00	0.00	0.07	1.46
1996 AUG 1 22:00	0.00	0.06	1.35
1996 AUG 1 23:00	0.00	0.05	1.26
1996 AUG 1 24:00	0.00	0.04	1.18

2hr precip = 0.5"

7.99th %ile

7.98th %ile

1996 AUG 2 01:00	0.00	0.03	1.10
1996 AUG 2 02:00	0.00	0.02	1.04
1996 AUG 2 03:00	0.00	0.02	0.98
1996 AUG 2 04:00	0.00	0.02	0.93
1996 AUG 2 05:00	0.00	0.01	0.90
1996 AUG 2 06:00	0.00	0.01	0.85
1996 AUG 2 07:00	0.00	0.01	0.80
1996 AUG 2 08:00	0.00	0.01	0.76
1996 AUG 2 09:00	0.00	0.01	0.73
1996 AUG 2 10:00	0.00	0.01	0.70
1996 AUG 2 11:00	0.00	0.00	0.67
1996 AUG 2 12:00	0.00	0.00	0.65
1996 AUG 2 13:00	0.00	0.00	0.62
1996 AUG 2 14:00	0.00	0.00	0.60
1996 AUG 2 15:00	0.00	0.00	0.58
1996 AUG 2 16:00	0.00	0.00	0.56
1996 AUG 2 17:00	0.00	0.00	0.55
1996 AUG 2 18:00	0.00	0.00	0.53
1996 AUG 2 19:00	0.00	0.00	0.52
1996 AUG 2 20:00	0.00	0.00	0.50
1996 AUG 2 21:00	0.00	0.00	0.49
1996 AUG 2 22:00	0.00	0.00	0.48
1996 AUG 2 23:00	0.00	0.00	0.47
1996 AUG 2 24:00	0.00	0.00	0.46
1996 AUG 3 01:00	0.00	0.00	0.45
1996 AUG 3 02:00	0.00	0.00	0.44
1996 AUG 3 03:00	0.00	0.00	0.43
1996 AUG 3 04:00	0.00	0.00	0.42
1996 AUG 3 05:00	0.00	0.00	0.42
1996 AUG 3 06:00	0.00	0.00	0.41
1996 AUG 3 07:00	0.00	0.00	0.40
1996 AUG 3 08:00	0.00	0.00	0.40
1996 AUG 3 09:00	0.00	0.00	0.39
1996 AUG 3 10:00	0.00	0.00	0.38
1996 AUG 3 11:00	0.00	0.00	0.38
1996 AUG 3 12:00	0.00	0.00	0.37
1996 AUG 3 13:00	0.00	0.00	0.37
1996 AUG 3 14:00	0.00	0.00	0.37
1996 AUG 3 15:00	0.00	0.00	0.36
1996 AUG 3 16:00	0.00	0.00	0.36
1996 AUG 3 17:00	0.00	0.00	0.35
1996 AUG 3 18:00	0.00	0.00	0.35
1996 AUG 3 19:00	0.00	0.00	0.35
1996 AUG 3 20:00	0.00	0.00	0.34
1996 AUG 3 21:00	0.00	0.00	0.34
1996 AUG 3 22:00	0.00	0.00	0.34
1996 AUG 3 23:00	0.00	0.00	0.34
1996 AUG 3 24:00	0.00	0.00	0.33
1996 AUG 4 01:00	0.00	0.00	0.33
1996 AUG 4 02:00	0.00	0.00	0.33
1996 AUG 4 03:00	0.00	0.00	0.33
1996 AUG 4 04:00	0.00	0.00	0.32
1996 AUG 4 05:00	0.00	0.00	0.32
1996 AUG 4 06:00	0.00	0.00	0.32
1996 AUG 4 07:00	0.00	0.00	0.32
1996 AUG 4 08:00	0.00	0.00	0.32

199... 4 09:00	0.00	0.00	0.31
199... 4 10:00	0.00	0.00	0.31
199... 4 11:00	0.00	0.00	0.31
199... 4 12:00	0.00	0.00	0.31
199... 4 13:00	0.00	0.00	0.31
199... 4 14:00	0.00	0.00	0.31
199... 4 15:00	0.00	0.00	0.31
199... 4 16:00	0.00	0.00	0.31
1996 ... 4 17:00	0.00	0.00	0.30
1996 ... 4 18:00	0.00	0.00	0.30
199... 4 19:00	0.00	0.00	0.30
199... 4 20:00	0.00	0.00	0.30
199... 4 21:00	0.00	0.00	0.30
199... 4 22:00	0.00	0.00	0.30
199... 4 23:00	0.00	0.00	0.30
199... 4 24:00	0.00	0.00	0.30

1

2yr-2hr

(*) is for out-of-range data

Data-	number	2	30	34
Data-	name	PREC	FLOW	FLOW
1996	31	0.00	0.00	0.25
1996	1	0.59	0.72	7.79
1996	2	0.00	0.01	0.69
1996	3	0.00	0.00	0.38
1996	4	0.00	0.00	0.31
1996	5	0.00	0.00	0.29

2yr-72hr
Hourly Flows

1

(*) is for out-of-range data

3rd Rlw North Point — Miller Creek @ I2DF

Data-set number / Data-set name	30 FLOW	34 FLOW
1996 JUL 31 01:00	0.00	0.25
1996 JUL 31 02:00	0.00	0.25
1996 JUL 31 03:00	0.00	0.25
1996 JUL 31 04:00	0.00	0.25
1996 JUL 31 05:00	0.00	0.25
1996 JUL 31 06:00	0.00	0.25
1996 JUL 31 07:00	0.00	0.25
1996 JUL 31 08:00	0.00	0.25
1996 JUL 31 09:00	0.00	0.25
1996 JUL 31 10:00	0.00	0.25
1996 JUL 31 11:00	0.00	0.25
1996 JUL 31 12:00	0.00	0.25
1996 JUL 31 13:00	0.00	0.25
1996 JUL 31 14:00	0.00	0.25
1996 JUL 31 15:00	0.00	0.25
1996 JUL 31 16:00	0.00	0.25
1996 JUL 31 17:00	0.00	0.25
1996 JUL 31 18:00	0.00	0.25
1996 JUL 31 19:00	0.00	0.24
1996 JUL 31 20:00	0.00	0.24
1996 JUL 31 21:00	0.00	0.24
1996 JUL 31 22:00	0.00	0.24
1996 JUL 31 23:00	0.00	0.24
1996 JUL 31 24:00	0.00	0.24
1996 AUG 1 01:00	0.00	0.24
1996 AUG 1 02:00	0.00	0.24
1996 AUG 1 03:00	0.00	0.24
1996 AUG 1 04:00	0.00	0.24
1996 AUG 1 05:00	0.00	0.24
1996 AUG 1 06:00	0.00	0.24
1996 AUG 1 07:00	0.00	0.24
1996 AUG 1 08:00	0.00	0.24
1996 AUG 1 09:00	0.00	0.24
1996 AUG 1 10:00	0.00	0.24
1996 AUG 1 11:00	0.00	0.24
1996 AUG 1 12:00	0.00	0.24
1996 AUG 1 13:00	0.00	0.24
1996 AUG 1 14:00	0.00	0.24
1996 AUG 1 15:00	0.00	0.24
1996 AUG 1 16:00	0.00	0.24
1996 AUG 1 17:00	0.00	0.24
1996 AUG 1 18:00	0.00	0.24
1996 AUG 1 19:00	0.00	0.24
1996 AUG 1 20:00	0.00	0.24
1996 AUG 1 21:00	0.00	0.24
1996 AUG 1 22:00	0.00	0.24
1996 AUG 1 23:00	0.05	1.04
1996 AUG 1 24:00	0.17	2.80

2 yr - 72 hr

1996 AUG 2 01:00	0.31	4.71
1996 AUG 2 02:00	0.47	6.56
1996 AUG 2 03:00	0.64	8.58
1996 AUG 2 04:00	0.84	11.14
1996 AUG 2 05:00	1.06	13.72
1996 AUG 2 06:00	1.27	16.04
1996 AUG 2 07:00	1.48	17.90
1996 AUG 2 08:00	1.67	18.67
1996 AUG 2 09:00	1.80	19.83
1996 AUG 2 10:00	1.88	21.20
1996 AUG 2 11:00	1.98	22.66
1996 AUG 2 12:00	2.08	24.31
1996 AUG 2 13:00	2.21	26.39
1996 AUG 2 14:00	2.39	28.14
1996 AUG 2 15:00	2.70	31.38
1996 AUG 2 16:00	2.86	33.70
1996 AUG 2 17:00	2.96	35.04
1996 AUG 2 18:00	3.03	35.72
1996 AUG 2 19:00	3.07	36.01
1996 AUG 2 20:00	3.08	35.96
1996 AUG 2 21:00	3.07	35.62
1996 AUG 2 22:00	3.05	35.06
1996 AUG 2 23:00	2.99	34.18
1996 AUG 2 24:00	2.91	32.85
1996 AUG 3 01:00	2.80	31.17
1996 AUG 3 02:00	2.67	28.45
1996 AUG 3 03:00	2.54	23.41
1996 AUG 3 04:00	2.38	18.46
1996 AUG 3 05:00	2.21	12.52
1996 AUG 3 06:00	2.06	12.54
1996 AUG 3 07:00	1.91	11.82
1996 AUG 3 08:00	1.78	11.40
1996 AUG 3 09:00	1.57	10.96
1996 AUG 3 10:00	1.35	10.54
1996 AUG 3 11:00	1.17	10.07
1996 AUG 3 12:00	1.02	9.65
1996 AUG 3 13:00	0.90	9.24
1996 AUG 3 14:00	0.79	8.78
1996 AUG 3 15:00	0.70	8.30
1996 AUG 3 16:00	0.62	7.82
1996 AUG 3 17:00	0.55	7.34
1996 AUG 3 18:00	0.49	6.92
1996 AUG 3 19:00	0.44	6.49
1996 AUG 3 20:00	0.39	6.09
1996 AUG 3 21:00	0.35	5.69
1996 AUG 3 22:00	0.32	5.32
1996 AUG 3 23:00	0.29	5.02
1996 AUG 3 24:00	0.26	4.78
1996 AUG 4 01:00	0.23	4.34
1996 AUG 4 02:00	0.19	3.88
1996 AUG 4 03:00	0.16	3.51
1996 AUG 4 04:00	0.14	3.22
1996 AUG 4 05:00	0.11	2.98
1996 AUG 4 06:00	0.10	2.79
1996 AUG 4 07:00	0.08	2.63
1996 AUG 4 08:00	0.07	2.49

99th %ile

99th %ile

Peak

1996	7	4	09:00	0.06	2.37
1996	7	4	10:00	0.05	2.26
1996	7	4	11:00	0.04	2.16
1996	7	4	12:00	0.04	2.08
1996	7	4	13:00	0.03	2.00
1996	7	4	14:00	0.03	1.92
1996	7	4	15:00	0.03	1.86
1996	7	4	16:00	0.02	1.80
1996	7	4	17:00	0.02	1.74
1996	7	4	18:00	0.02	1.69
1996	7	4	19:00	0.02	1.64
1996	7	4	20:00	0.02	1.59
1996	7	4	21:00	0.02	1.54
1996	7	4	22:00	0.02	1.52
1996	7	4	23:00	0.01	1.47
1996	A	4	24:00	0.01	1.42
1996	7	5	01:00	0.01	1.38
1996	7	5	02:00	0.01	1.34
1996	7	5	03:00	0.01	1.31
1996	7	5	04:00	0.01	1.27
1996	7	5	05:00	0.01	1.24
1996	7	5	06:00	0.01	1.21
1996	7	5	07:00	0.01	1.19
1996	7	5	08:00	0.01	1.16
1996	7	5	09:00	0.01	1.14
1996	7	5	10:00	0.01	1.11
1996	7	5	11:00	0.01	1.09
1996	7	5	12:00	0.01	1.07
1996	7	5	13:00	0.01	1.05
1996	7	5	14:00	0.01	1.04
1996	7	5	15:00	0.01	1.02
1996	7	5	16:00	0.01	1.00
1996	7	5	17:00	0.01	0.99
1996	7	5	18:00	0.01	0.97
1996	7	5	19:00	0.01	0.96
1996	7	5	20:00	0.01	0.94
1996	7	5	21:00	0.01	0.93
1996	7	5	22:00	0.01	0.92
1996	7	5	23:00	0.01	0.91
1996	7	5	24:00	0.01	0.90
1996	7	6	01:00	0.01	0.89
1996	7	6	02:00	0.01	0.88
1996	7	6	03:00	0.00	0.87
1996	7	6	04:00	0.00	0.86
1996	7	6	05:00	0.00	0.85
1996	7	6	06:00	0.00	0.84
1996	7	6	07:00	0.00	0.83
1996	7	6	08:00	0.00	0.82
1996	7	6	09:00	0.00	0.82
1996	7	6	10:00	0.00	0.81
1996	7	6	11:00	0.00	0.80
1996	7	6	12:00	0.00	0.80
1996	7	6	13:00	0.00	0.79
1996	7	6	14:00	0.00	0.78
1996	7	6	15:00	0.00	0.78
1996	7	6	16:00	0.00	0.77

1996 AUG 6 17:00	0.00	0.77
1996 AUG 6 18:00	0.00	0.76
1996 AUG 6 19:00	0.00	0.76
1996 AUG 6 20:00	0.00	0.75
1996 AUG 6 21:00	0.00	0.75
1996 AUG 6 22:00	0.00	0.74
1996 AUG 6 23:00	0.00	0.74
1996 AUG 6 24:00	0.00	0.74

Milker Creek below IRP
Future Conditions

1

HOURLY FLOW FLOW

Low mean value and ranking for the following number of consecutive days
for the months April to March
Discharge, in cubic feet per second

Year	1-day	2-day	3-day	7-day	10-day	30-day	60-day	90-day	183-day	365-day
1950	0.07 5	0.08 5	0.08 5	0.08 4	0.08 4	0.15 13	0.25 12	0.28 7	0.61 7	3.60 42
1951	0.18 39	0.18 39	0.19 39	0.19 39	0.20 39	0.28 38	0.44 35	0.54 32	1.24 43	4.41 47
1952	0.10 13	0.10 13	0.10 13	0.10 12	0.11 10	0.13 9	0.22 9	0.27 6	0.71 13	2.32 8
1953	0.05 1	0.05 1	0.05 1	0.06 1	0.06 1	0.07 1	0.19 6	0.22 2	0.38 1	2.40 9
1954	0.13 26	0.13 26	0.13 28	0.14 28	0.14 28	0.22 28	0.35 30	0.44 25	1.14 40	3.46 37
1955	0.21 43	0.22 43	0.22 43	0.22 43	0.23 42	0.39 44	0.54 40	0.63 38	0.96 31	2.61 18
1956	0.16 36	0.17 36	0.17 36	0.17 36	0.18 35	0.22 32	0.48 39	0.60 35	1.07 35	4.23 46
1957	0.14 33	0.15 33	0.15 33	0.15 33	0.16 32	0.25 36	0.35 29	0.46 27	0.76 17	2.59 15
1958	0.14 32	0.14 32	0.14 31	0.14 30	0.18 36	0.20 24	0.39 34	0.55 33	0.83 23	2.72 20
1959	0.07 3	0.07 3	0.07 3	0.08 3	0.08 3	0.12 6	0.17 3	0.23 3	0.72 14	3.25 32
1960	0.16 35	0.17 35	0.17 35	0.17 35	0.18 34	0.22 30	0.38 33	0.61 36	1.27 45	3.49 38
1961	0.15 34	0.16 34	0.16 34	0.17 34	0.17 33	0.22 27	0.29 22	0.46 26	0.86 27	3.76 43
1962	0.11 21	0.11 21	0.11 20	0.13 21	0.13 21	0.17 19	0.33 28	0.34 13	0.82 22	2.00 5
1963	0.17 37	0.18 37	0.18 37	0.19 37	0.19 37	0.23 34	0.45 37	0.62 37	0.94 30	2.79 24
1964	0.10 17	0.10 17	0.11 17	0.12 19	0.12 19	0.21 26	0.27 18	0.35 15	0.75 16	3.49 39
1965	0.22 44	0.22 44	0.23 44	0.25 45	0.26 44	0.35 42	0.55 41	0.70 43	1.07 36	2.86 25
1966	0.14 31	0.14 31	0.14 30	0.14 29	0.15 29	0.27 37	0.36 31	0.53 31	0.84 25	2.67 19
1967	0.13 30	0.14 30	0.14 32	0.15 32	0.15 31	0.22 31	0.31 25	0.50 30	0.78 20	3.32 33
1968	0.10 12	0.10 12	0.10 12	0.10 11	0.10 9	0.19 21	0.25 13	0.30 9	0.85 26	2.90 27
1969	0.27 47	0.27 47	0.28 47	0.29 47	0.30 47	0.42 45	0.72 46	1.39 47	1.71 47	3.52 40
1970	0.13 29	0.13 29	0.13 27	0.14 27	0.14 27	0.19 22	0.26 16	0.47 28	1.25 44	2.74 22
1971	0.11 20	0.11 19	0.11 19	0.11 18	0.12 16	0.14 11	0.30 23	0.32 12	0.70 12	3.04 30
1972	0.20 41	0.20 41	0.20 41	0.21 41	0.23 43	0.29 40	0.47 38	0.70 42	1.02 33	4.11 45
1973	0.23 45	0.23 45	0.23 45	0.25 44	0.29 45	0.43 46	0.59 42	0.94 45	1.18 41	2.61 16
1974	0.10 14	0.10 14	0.10 14	0.10 13	0.11 11	0.13 8	0.18 5	0.44 24	0.78 19	3.55 41
1975	0.08 9	0.09 9	0.09 9	0.09 8	0.09 8	0.11 4	0.16 1	0.22 1	0.66 10	2.77 23
1976	0.12 22	0.12 22	0.13 22	0.13 22	0.13 22	0.17 18	0.29 20	0.36 16	1.08 38	3.37 35
1977	0.19 40	0.19 40	0.19 40	0.20 40	0.21 40	0.28 39	0.61 44	0.67 40	0.84 24	1.20 1
1978	0.13 25	0.13 25	0.13 25	0.13 25	0.14 25	0.17 17	0.27 17	0.79 44	1.09 39	2.54 12
1979	0.20 42	0.21 42	0.21 42	0.22 42	0.23 41	0.37 43	0.61 43	0.66 39	1.35 46	2.29 7

For 1-day, 3-year low flow (1Q3)

$J_r = \frac{n+1}{m}$ $T_r = 3$ $n = 47$

$m = \frac{n+1}{T_R}$

$m = \frac{48}{3}$

$m = 16$ 1st % ile

Q = 0.10 cfs
1Q3

For 7-day, 10-yr low flow (7Q10)

$m = \frac{48}{10} = 5$

Q = 0.08 cfs

1980	0.08 8	0.08 8	0.08 8	0.09 7	0.09 7	0.11 3	0.26 14	0.29 8	0.49 2	2.58 14
1981	0.10 16	0.10 16	0.10 16	0.11 16	0.12 17	0.19 23	0.30 24	0.37 17	0.61 6	2.46 10
1982	0.12 23	0.12 23	0.13 23	0.13 23	0.13 23	0.16 16	0.23 10	0.49 29	1.08 37	3.38 36
1983	0.11 19	0.11 20	0.11 21	0.12 20	0.12 20	0.23 33	0.28 19	0.38 20	0.62 8	2.93 28
1984	0.26 46	0.27 46	0.27 46	0.28 46	0.29 46	0.43 47	0.91 47	1.01 46	1.19 42	2.73 21
1985	0.12 24	0.13 24	0.13 24	0.13 24	0.14 24	0.24 35	0.33 27	0.39 21	1.00 32	2.17 6
1986	0.09 10	0.09 10	0.09 11	0.11 14	0.11 12	0.15 14	0.26 15	0.41 22	0.76 18	2.47 11
1987	0.08 6	0.08 6	0.08 6	0.08 5	0.08 5	0.12 5	0.16 2	0.31 10	0.54 4	2.87 26
1988	0.05 2	0.05 2	0.05 2	0.06 2	0.06 2	0.07 2	0.22 7	0.24 4	0.51 3	1.68 2
1989	0.10 18	0.11 18	0.11 18	0.11 17	0.12 15	0.14 12	0.22 8	0.34 14	0.93 29	2.55 13
1990	0.09 11	0.09 11	0.09 10	0.10 10	0.12 18	0.20 25	0.37 32	0.38 18	0.78 21	2.95 29
1991	0.10 15	0.10 15	0.10 15	0.11 15	0.11 13	0.14 10	0.24 11	0.31 11	1.05 34	3.35 34
1992	0.13 28	0.13 28	0.13 29	0.15 31	0.15 30	0.18 20	0.44 36	0.57 34	0.74 15	2.61 17
1993	0.07 4	0.07 4	0.08 4	0.09 9	0.11 14	0.16 15	0.29 21	0.38 19	0.56 5	1.92 4
1994	0.08 7	0.08 7	0.08 7	0.08 6	0.08 6	0.12 7	0.17 4	0.27 5	0.67 11	1.81 3
1995	0.13 27	0.13 27	0.13 26	0.14 26	0.14 26	0.22 29	0.31 26	0.42 23	0.66 9	3.20 31
1996	0.18 38	0.18 38	0.18 38	0.19 38	0.19 38	0.29 41	0.64 45	0.69 41	0.90 28	3.92 44

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HOURLY FLOW FLOW

High mean value and ranking for the following number of consecutive days
for the months October to September
Discharge, in cubic feet per second

Year	1-day	2-day	3-day	7-day	10-day	30-day	60-day	90-day	183-day	365-day
1949	27.06 11	23.65 14	17.79 11	14.48 14	11.45 12	6.08 8	4.78 6	4.45 8	3.48 8	2.04 7
1950	45.31 38	38.45 39	34.09 38	18.37 32	16.97 36	11.76 40	10.40 44	9.78 45	6.92 44	3.91 44
1951	61.16 47	60.76 47	52.02 47	31.91 47	25.13 46	15.11 46	11.37 45	10.99 47	7.55 47	4.13 46
1952	27.74 14	19.56 7	16.98 8	12.78 10	10.06 7	5.73 5	4.80 7	4.92 10	3.93 11	2.28 11
1953	26.15 9	20.34 8	16.52 7	14.49 15	13.79 21	12.75 44	9.00 40	7.12 30	4.53 21	2.67 19
1954	32.81 25	30.03 29	25.35 29	16.70 25	12.98 18	9.66 29	8.68 38	7.85 38	5.92 39	3.51 38
1955	42.14 37	36.59 35	27.40 34	14.14 12	11.28 11	6.91 11	5.96 12	5.83 19	4.43 18	2.63 17
1956	39.55 31	38.24 38	36.23 41	22.20 41	18.03 40	14.83 45	12.48 47	10.78 46	7.24 45	4.04 45
1957	32.34 22	25.93 21	23.26 24	14.78 16	11.56 13	9.12 23	6.18 14	4.99 12	4.53 20	2.66 18
1958	28.03 15	27.61 24	22.07 22	16.32 22	13.93 24	9.80 31	8.02 33	6.82 26	4.75 23	2.69 20
1959	30.72 19	27.30 23	21.47 20	14.90 17	11.90 15	9.45 26	8.22 35	7.83 37	5.86 38	3.58 40
1960	52.00 41	50.91 44	41.00 44	24.10 44	18.77 44	12.03 41	7.99 32	8.25 39	5.58 33	3.29 34
1961	36.73 30	24.89 17	20.27 15	18.27 31	15.05 31	12.31 43	9.80 42	8.43 40	6.61 42	3.79 43

1962	17.37 3	17.16 5	13.38 4	10.85 7	10.12 8	6.69 9	4.95 8	3.84 5	2.89 4	1.90 5
1963	36.25 28	29.34 27	24.41 27	17.06 27	14.63 27	9.18 24	7.68 28	6.46 21	4.79 24	2.87 25
1964	40.60 33	27.67 25	21.37 19	16.44 23	15.11 32	11.36 38	8.83 39	8.83 43	5.98 40	3.54 39
1965	36.41 29	29.43 28	24.44 28	18.48 33	17.68 39	9.95 32	7.49 25	7.13 31	4.88 27	2.80 23
1966	27.21 12	26.14 22	22.02 21	14.31 13	12.83 17	9.74 30	7.02 21	5.70 17	4.34 16	2.61 16
1967	41.77 36	37.75 37	28.81 35	17.57 28	17.35 37	11.19 37	10.01 43	8.75 42	5.78 37	3.25 31
1968	26.07 8	25.69 20	20.61 16	15.00 18	12.61 16	9.06 22	7.38 23	6.65 25	4.95 28	3.35 36
1969	32.44 23	24.73 16	19.99 14	15.01 19	14.43 26	9.48 27	8.47 36	7.63 36	5.46 31	3.46 37
1970	31.39 21	24.33 15	19.14 13	15.51 20	13.91 22	8.69 19	6.94 19	6.03 20	4.08 12	2.39 12
1971	35.15 27	31.18 33	27.35 33	16.87 26	13.26 20	8.16 15	7.17 22	6.57 22	5.52 32	3.27 33
1972	54.46 45	51.62 45	44.04 45	23.44 42	26.77 47	15.16 47	11.93 46	9.54 44	7.29 46	4.32 47
1973	30.86 20	24.96 18	22.44 23	19.01 36	16.77 35	10.56 36	6.97 20	5.40 14	3.51 9	2.11 9
1974	28.85 17	28.02 26	27.12 32	19.01 35	15.05 30	9.51 28	9.03 41	8.52 41	6.62 43	3.72 41
1975	40.10 32	30.32 30	23.27 25	13.73 11	11.86 14	8.71 21	7.52 27	6.64 24	4.71 22	2.78 22
1976	34.23 26	30.90 31	26.50 30	16.10 21	13.02 19	8.69 20	7.76 29	7.33 32	5.66 34	3.34 35
1977	15.72 2	13.37 1	12.22 1	7.67 1	5.73 1	3.28 1	2.06 1	1.87 1	1.51 1	1.24 1
1978	30.43 18	23.55 13	21.10 18	19.05 37	15.03 29	8.61 18	6.68 16	5.76 18	4.37 17	2.88 26
1979	22.78 5	16.26 4	13.64 5	9.45 4	8.36 4	5.89 6	4.08 3	3.33 2	2.83 3	1.68 3
1980	50.29 40	37.33 36	37.82 43	29.74 46	24.66 45	11.68 39	8.55 37	7.41 34	4.88 26	2.81 24
1981	27.68 13	22.19 10	20.77 17	16.54 24	13.93 23	7.35 12	6.37 15	5.56 16	4.08 13	2.50 15
1982	52.96 44	44.84 42	34.65 39	19.17 38	17.47 38	10.06 33	8.06 34	6.88 27	5.68 35	3.26 32
1983	41.42 35	30.97 32	26.75 31	17.82 30	14.41 25	9.20 25	7.91 30	6.97 29	5.13 29	3.19 29
1984	28.30 16	20.69 9	17.56 9	12.54 9	10.37 9	7.75 13	6.04 13	5.50 15	4.45 19	2.72 21
1985	24.26 6	18.01 6	15.74 6	9.05 3	8.33 3	5.98 7	5.58 10	4.28 7	3.05 6	1.92 6
1986	48.00 39	43.43 41	32.47 37	19.42 39	14.99 28	8.19 16	6.84 18	5.36 13	4.23 15	2.42 13
1987	52.41 42	43.40 40	35.70 40	21.73 40	18.06 41	7.84 14	6.68 17	6.57 23	5.33 30	3.01 28
1988	32.67 24	22.78 11	17.87 12	10.21 6	10.64 10	5.11 3	4.47 5	3.65 4	2.91 5	1.84 4
1989	18.73 4	15.19 3	13.12 3	10.14 5	9.44 5	6.88 10	5.16 9	4.48 9	4.16 14	2.49 14
1990	52.82 43	46.60 43	36.44 42	24.00 43	18.25 42	10.16 35	7.49 26	6.90 28	4.80 25	2.90 27
1991	57.60 46	55.32 46	44.35 46	24.10 45	18.36 43	12.26 42	7.98 31	7.34 33	6.57 41	3.75 42
1992	26.57 10	25.63 19	23.89 26	18.95 34	15.70 33	8.38 17	5.67 11	4.95 11	3.75 10	2.15 10
1993	25.18 7	23.07 12	17.70 10	11.70 8	9.77 6	5.03 2	3.97 2	3.89 6	3.36 7	2.09 8
1994	15.45 1	14.08 2	12.60 2	8.83 2	7.24 2	5.46 4	4.20 4	3.36 3	2.63 2	1.63 2
1995	41.02 34	35.11 34	30.61 36	17.66 29	16.60 34	10.12 34	7.41 24	7.61 35	5.71 36	3.23 30