Analysis by thirds, relative rising peak discharge and duration are design parameters, rise and fall float. Peak dates are median of distribution by hydro-climatic thirds

	FIRST RISE																				
Hydroclmatic Condition	Highest Third							Mid Third							Low Third						
Environmental Flow Component	0.05	0.1	0.25	0.5	0.75	0.9	0.95	0.05	0.1	0.25	0.5	0.75	0.9	0.95	0.05	0.1	0.25	0.5	0.75	0.9	0.95
Peak Date, day of year	67	71	82	88	100	111	113	69	76	84	88	98	113	115	67	70	80	88	99	108	118
Peak Date	3/7	3/11	3/22	3/28	4/9	4/20	4/21	3/8	3/16	3/24	3/28	4/7	4/21	4/23	3/6	3/10	3/20	3/28	4/8	4/17	4/27
Relative Rising Peak, kcfs	20.8	26.1	34.2	53.8	95.7	175.5	251.9	8.4	9.9	17.6	32.0	49.8	72.8	100.8	3.8	5.4	10.8	21.9	43.6	91.9	180.3
Duration, days	13.6	16.4	23	36	57	62.6	64.6	11	12	23	37	47	53.2	58	5.45	10	15.5	22.5	37.75	45.7	51.85
days fall	7.3	9.0	13.2	21.3	34.5	38.0	39.3	5.6	6.3	13.2	22.0	28.2	32.1	35.1	2.2	5.0	8.5	12.9	22.4	27.4	31.3
days rise	4.3	5.4	7.8	12.7	20.5	22.6	23.3	3.4	3.7	7.8	13.0	16.8	19.1	20.9	1.3	3.0	5.0	7.6	13.3	16.3	18.6
start date	3/3	3/6	3/14	3/15	3/19	3/28	3/29	3/5	3/12	3/16	3/14	3/21	4/2	4/2	3/5	3/7	3/14	3/20	3/25	3/31	4/8
end date	3/16	3/22	4/6	4/20	5/15	5/30	6/2	3/16	3/24	4/8	4/20	5/7	5/25	5/30	3/10	3/17	3/30	4/11	5/2	5/16	5/30
	SECOND RISE																				
Hydroclmatic Condition	Highest Third							Mid Third							Low Third						
Environmental Flow Component	0.05	0.1	0.25	0.5	0.75	0.9	0.95	0.05	0.1	0.25	0.5	0.75	0.9	0.95	0.05	0.1	0.25	0.5	0.75	0.9	0.95
Peak Date, day of year	131	131	149	169	175	183	189	125	136	154	169	171	176	179	125	129	145	163	172	177	193
Peak Date	5/9	5/10	5/27	6/16	6/22	7/1	7/7	5/4	5/15	6/1	6/17	6/18	6/24	6/27	5/4	5/8	5/24	6/11	6/20	6/25	7/10
Relative Rising Peak, kcfs	14.3	22.8	33.4	68.8	101.8	128.0	144.5	20.4	25.2	33.8	64.7	89.5	104.5	108.8	8.0	10.2	14.4	26.4	41.9	74.4	82.6
Duration, days	15	18	25	64	102	125	134	14	18	36	78	96	106	111	7	13	19	35	51	74	85
days fall	7.1	8.8	12.4	33.4	54.2	66.6	72.0	6.5	8.8	18.2	41.3	50.8	56.4	59.2	2.7	6.2	9.2	17.9	26.4	39.1	44.9
days rise	6.0	7.4	10.4	28.1	45.5	55.9	60.4	5.4	7.4	15.3	34.7	42.7	47.4	49.6	2.2	5.2	7.8	15.1	22.1	32.9	37.7
start date	5/3	5/2	5/17	5/19	5/7	5/6	5/7	4/28	5/7	5/17	5/13	5/6	5/7	5/8	5/1	5/3	5/16	5/26	5/28	5/23	6/2
end date	5/18	5/20	6/10	7/21	8/17	9/7	9/18	5/12	5/25	6/21	7/30	8/10	8/21	8/27	5/8	5/16	6/4	6/30	7/18	8/5	8/26
MAF > default	0.551	0.918	1.709	6.463	16.100	27.435	35.978	0.412	0.637	1.677	6.371	11.119	15.060	18.191	0.090	0.216	0.482	1.512	3.847	9.891	16.783

Analysis by entire record; relative rising peak and duration are design parameters, rise and fall float. Peak dates are median of all years.

	FIRST RISE						
Hydroclmatic Condition	ALL FLOWS						
Environmental Flow Component	0.05	0.1	0.25	0.5	0.75	0.9	0.95
Peak Date, day of year	90	90	90	90	90	90	90
Peak Date	3/30	3/30	3/30	3/30	3/30	3/30	3/30
Relative Rising Peak, kcfs	6.2	8.9	18.0	40.7	67.6	146.2	184.0
Duration, days	10.0	12.0	20.0	38.0	49.0	61.0	67.5
days fall	4.5	5.6	10.1	20.1	26.3	33.0	36.7
days rise	3.5	4.4	7.9	15.9	20.7	26.0	28.8
start date	3/26	3/25	3/22	3/14	3/9	3/4	3/1
end date	4/5	4/6	4/11	4/21	4/27	5/4	5/7
	SECOND RISE						
Hydroclmatic Condition	ALL FLOWS						
Environmental Flow Component	0.05	0.1	0.25	0.5	0.75	0.9	0.95
Peak Date, day of year	168	168	168	168	168	168	168
Peak Date	6/16	6/16	6/16	6/16	6/16	6/16	6/16
Relative Rising Peak, kcfs	10	14	24	46	85	106	126
Duration, days	10	15	23	47	89	107	120
days fall	4.6	7.4	12.0	25.8	49.8	60.2	67.6
days rise	3.4	5.6	9.0	19.2	37.2	44.8	50.4
start date	6/12	6/10	6/7	5/27	5/9	5/2	4/26
end date	6/22	6/25	6/30	7/13	8/6	8/17	8/24
MAF > default	0.19	0.36	0.99	3.86	11.11	20.58	27.84

Analysis by thirds, peak dates are design parameters. Relative rising peak discharge and duration are set to 25th percentile; rise and fall float.

	FIRST RISE																				
Hydroclmatic Condition	Highest Third							Mid Third							Low Third						
Environmental Flow Component	0.05	0.1	0.25	0.5	0.75	0.9	0.95	0.05	0.1	0.25	0.5	0.75	0.9	0.95	0.05	0.1	0.25	0.5	0.75	0.9	0.95
Peak Date, day of year	67	71	82	88	100	111	113	69	76	84	88	98	113	115	67	70	80	88	99	108	118
Peak Date	3/7	3/11	3/22	3/28	4/9	4/20	4/21	3/8	3/16	3/24	3/28	4/7	4/21	4/23	3/6	3/10	3/20	3/28	4/8	4/17	4/27
Relative Rising Peak, kcfs	34.2	34.2	34.2	34.2	34.2	34.2	34.2	17.6	17.6	17.6	17.6	17.6	17.6	17.6	10.8	10.8	10.8	10.8	10.8	10.8	10.8
Duration, days	23	23	23	23	23	23	23	23	23	23	23	23	23	23	15.5	15.5	15.5	15.5	15.5	15.5	15.5
days fall	6.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	8.5	8.5	8.5	8.5	8.5	8.5	8.5
days rise	3.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0
start date	3/3	3/3	3/14	3/20	4/1	4/12	4/13	2/29	3/8	3/16	3/20	3/30	4/13	4/15	3/1	3/5	3/14	3/22	4/3	4/11	4/22
end date	3/15	3/26	4/6	4/12	4/24	5/5	5/6	3/23	3/31	4/8	4/12	4/22	5/6	5/8	3/17	3/20	3/30	4/7	4/18	4/27	5/7

	SECOND RISE																				
Hydroclmatic Condition	Highest Third							Mid Third							Low Third						
Environmental Flow Component	0.05	0.1	0.25	0.5	0.75	0.9	0.95	0.05	0.1	0.25	0.5	0.75	0.9	0.95	0.05	0.1	0.25	0.5	0.75	0.9	0.95
Peak Date, day of year	131	131	149	169	175	183	189	125	136	154	169	171	176	179	125	129	145	163	172	177	193
Peak Date	5/9	5/10	5/27	6/16	6/22	7/1	7/7	5/4	5/15	6/1	6/17	6/18	6/24	6/27	5/4	5/8	5/24	6/11	6/20	6/25	7/10
Relative Rising Peak, kcfs	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.8	33.8	33.8	33.8	33.8	33.8	33.8	14.4	14.4	14.4	14.4	14.4	14.4	14.4
Duration, days	25	25	25	25	25	25	25	36	36	36	36	36	36	36	19	19	19	19	19	19	19
days fall	12.5	12.5	12.5	12.5	12.5	12.5	12.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	9.2	9.2	9.2	9.2	9.2	9.2	9.2
days rise	10.5	10.5	10.5	10.5	10.5	10.5	10.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	7.8	7.8	7.8	7.8	7.8	7.8	7.8
start date	4/29	4/29	5/17	6/6	6/12	6/20	6/26	4/18	4/29	5/16	6/1	6/2	6/8	6/11	4/26	4/30	5/16	6/3	6/12	6/17	7/2
end date	5/24	5/24	6/11	7/1	7/7	7/15	7/21	5/24	6/4	6/21	7/7	7/8	7/14	7/17	5/15	5/19	6/4	6/22	7/1	7/6	7/21
MAF > default	1.369	1.742	1.742	1.742	1.742	1.742	1.742	1.710	1.710	1.710	1.710	1.710	1.710	1.710	0.482	0.493	0.482	0.482	0.493	0.482	0.493

Analysis by entire record; peak dates are design parameters. Relative rising peak and duration are set to 25th percentile, rise and fall float.

	FIRST RISE						
Hydroclmatic Condition	ALL FLOWS						
Environmental Flow Component	0.05	0.1	0.25	0.5	0.75	0.9	0.95
Peak Date, day of year	67	71	82	90	101	110	114
Peak Date	3/7	3/11	3/21	3/30	4/10	4/19	4/22
Relative Rising Peak, kcfs	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Duration, days	20.0	20.0	20.0	20.0	20.0	20.0	20.0
days fall	10.1	10.1	10.1	10.1	10.1	10.1	10.1
days rise	7.9	7.9	7.9	7.9	7.9	7.9	7.9
start date	2/28	3/3	3/13	3/22	4/2	4/11	4/14
end date	3/19	3/23	4/2	4/11	4/22	5/1	5/4

	SECOND RISE						
Hydroclmatic Condition	ALL FLOWS						
Environmental Flow Component	0.05	0.1	0.25	0.5	0.75	0.9	0.95
Peak Date, day of year	126	132	149	168	174	180	186
Peak Date	5/5	5/11	5/28	6/16	6/22	6/28	7/4
Relative Rising Peak, kcfs	24	24	24	24	24	24	24
Duration, days	23	23	23	23	23	23	23
days fall	12.0	12.0	12.0	12.0	12.0	12.0	12.0
days rise	9.0	9.0	9.0	9.0	9.0	9.0	9.0
start date	4/26	5/2	5/19	6/7	6/13	6/19	6/25
end date	5/19	5/25	6/11	6/30	7/6	7/12	7/18
MAF > default	0.988	0.988	0.988	0.988	0.988	0.988	0.988