

**Macomb County Health Department
Environmental Health Services Division
Retention Basin/Combined Sewer/Sanitary Sewer Overflows
For the dates 1/1/1998 thru 12/31/1998**

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
CHAPATON RTB									
1/7/1998	22:00	1/8/1998	16:25	18.4	60,542,000	LAKE ST. CLAIR	Y	1.49	CSO-T
2/17/1998	15:15	2/18/1998	12:45	21.5	178,300,000	LAKE ST. CLAIR	Y	2.28	CSO-T
3/9/1998	6:20	3/9/1998	15:45	9.4	67,800,000	LAKE ST. CLAIR	Y	1.22	CSO-T
4/9/1998	17:00	4/10/1998	1:05	8.1	44,000,000	LAKE ST. CLAIR	Y	1.2	CSO-T
7/21/1998	21:15	7/22/1998	3:35	5.5	8,700,000	LAKE ST. CLAIR	Y	1.14	CSO-T
8/6/1998	7:00	8/6/1998	11:30	4.5	51,400,000	LAKE ST. CLAIR	Y	2.25	CSO-T
8/9/1998	20:30	8/10/1998	2:00	5.5	26,400,000	LAKE ST. CLAIR	Y	1.2	CSO-T
SubTotals for CHAPATON RTB				72.9	437,142,000			10.78	
CLINTON - BEACONSFIELD									
8/4/1998					57,903				
8/6/1998					336,645				
8/7/1998					129,272				
SubTotals for CLINTON - BEACONSFIELD					523,820				
MARTIN RTB									
1/7/1998	21:30	1/9/1998	0:35	26.6	58,327,000	LAKE ST. CLAIR	Y	1.47	CSO-T
2/17/1998	14:45	2/19/1998	7:30	40.8	170,000,000	LAKE ST. CLAIR	Y	2.34	CSO-T
3/8/1998	20:30	3/10/1998	4:00	31.5	84,300,000	LAKE ST. CLAIR	Y	1.39	CSO-T
3/19/1998	2:45	3/19/1998	15:45	13	24,300,000	LAKE ST. CLAIR	Y	0.75	CSO-T
4/9/1998	17:15	4/10/1998	7:15	14	47,800,000	LAKE ST. CLAIR	Y	1.27	CSO-T
8/6/1998	7:45	8/7/1998	3:50	15	33,700,000	LAKE ST. CLAIR	Y	2.25	CSO-T
8/7/1998	9:15	8/7/1998	16:10	7.1	6,400,000	LAKE ST. CLAIR	Y		CSO-T
SubTotals for MARTIN RTB				148	424,827,000			9.47	
MILK RIVER RTB									
1/7/1998	23:09	1/7/1998		0.9	6,230,000	LAKE ST. CLAIR	Y	1	CSO-T
1/8/1998	4:15	1/8/1998	16:02	11.7	30,109,000	LAKE ST. CLAIR	Y	0.27	CSO-T
2/17/1998	14:31	2/17/1998	22:52	8.2	90,797,000	LAKE ST. CLAIR	Y	1.7	CSO-T
2/18/1998	12:51	2/18/1998	19:01	6.5	50,536,000	LAKE ST. CLAIR	Y	0.5	CSO-T
3/9/1998	7:40	3/9/1998	14:35	7	31,569,670	LAKE ST. CLAIR	Y	1.35	CSO-T
4/9/1998	13:45	4/9/1998	21:00	5.5	22,219,670	LAKE ST. CLAIR	Y	0.65	CSO-T
4/10/1998	6:00	4/10/1998	6:41	0.7	5,063,500	LAKE ST. CLAIR	Y	0.05	CSO-T
6/23/1998	0:31	6/23/1998	1:40	1.1	8,483,670	LAKE ST. CLAIR	Y	1.05	CSO-T
7/21/1998	19:42	7/21/1998	21:00	1.3	13,047,835	LAKE ST. CLAIR	Y		CSO-T
8/6/1998	6:05	8/6/1998	10:51	4.7	25,881,670	LAKE ST. CLAIR	Y	1.8	CSO-T
SubTotals for MILK RIVER RTB				47.6	283,938,015			8.37	

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
MT. CLEMENS RTB									
2/18/1998	9:37	2/20/1998	8:00	46.4	8,968,900	CLINTON RIVER	Y		CSO-T
3/9/1998	14:08	3/10/1998	8:00	17.9	2,857,000	CLINTON RIVER	Y		CSO-T
3/19/1998	7:00	3/21/1998	6:00	47	3,120,000	CLINTON RIVER	Y		CSO-T
8/9/1998	17:30	8/11/1998	8:00	38.5	10,370,110	CLINTON RIVER	Y		CSO-T
SubTotals for MT. CLEMENS RTB				149.8	25,316,010				
SCS - 12 MILE RD.									
2/17/1998	19:57	2/17/1998	22:52	2.9	243,600	LAKE ST. CLAIR	N	1.85	SSO
SubTotals for SCS - 12 MILE RD.				2.9	243,600			1.85	
SCS - LAKE BLVD.									
2/17/1998	20:39	2/17/1998	22:56	2.3	383,640	LAKE ST. CLAIR	N	1.85	SSO
SubTotals for SCS - LAKE BLVD.				2.3	383,640			1.85	
SCS - MASONIC									
2/17/1998	18:35	2/17/1998	23:30	4.9	593,640	LAKE ST. CLAIR	N	1.85	SSO
SubTotals for SCS - MASONIC				4.9	593,640			1.85	
SOCSDS RTB									
1/8/1998	4:00	1/8/1998	16:10	12.1	52,000,000	RED RUN DRAIN	Y	1.45	CSO-T
2/17/1998	14:35	2/18/1998	20:52	30.2	579,000,000	RED RUN DRAIN	N	2.95	CSO-T
3/9/1998	6:30	3/9/1998	22:30	16	207,000,000	RED RUN DRAIN	Y	1.95	CSO-T
3/19/1998	5:00	3/19/1998	9:55	4.9	5,000,000	RED RUN DRAIN	Y	0.9	CSO-T
4/9/1998	16:38	4/10/1998	3:15	10.7	114,000,000	RED RUN DRAIN	Y	1.4	CSO-T
5/2/1998	14:09	5/3/1998	3:10	13	74,000,000	RED RUN DRAIN	Y	0.7	CSO-T
7/7/1998	23:20	7/8/1998	3:50	4.5	120,000,000	RED RUN DRAIN	Y	1.7	CSO-T
8/6/1998	5:53	8/6/1998	16:30	10.6	728,000,000	RED RUN DRAIN	Y	2.2	CSO-T
8/7/1998	8:00	8/7/1998	9:27	1.5	2,000,000	RED RUN DRAIN	Y	0.35	CSO-T
8/9/1998	17:30	8/10/1998	0:45	8.1	130,000,000	RED RUN DRAIN	Y	1.3	CSO-T
10/7/1998	5:27	10/7/1998	14:38	9.1	79,000,000	RED RUN DRAIN	N	1.3	CSO-T
SubTotals for SOCSDS RTB				120.7	2,090,000,000			16.2	
WARREN									
1/8/1998		1/11/1998			26,700,000	RED RUN DRAIN	Y		SSO-T
2/18/1998		2/21/1998			26,700,000	RED RUN DRAIN	Y		SSO-T
3/9/1998		3/12/1998			30,400,000	RED RUN DRAIN	Y		SSO-T
3/19/1998		3/23/1998			190,900,000	RED RUN DRAIN	Y		SSO-T
3/26/1998		3/26/1998			2,700,000	RED RUN DRAIN	Y		SSO-T
SubTotals for WARREN					277,400,000				
Total all locations				549.1	3,540,367,725				