

**Macomb County Health Department
Environmental Health Services Division
Retention Basin/Combined Sewer/Sanitary Sewer Overflows
For the dates 1/1/1997 thru 12/31/1997**

Start	Start Time	End	End Time	Hours	Gallons	Receiving Water	Meets NPDES	Precipitation	Type
CHAPATON RTB									
2/4/1997	17:40	2/4/1997	22:40	5	38,000,000	LAKE ST. CLAIR	Y	0.67	CSO-T
2/21/1997	0:00	2/22/1997	3:55	19.8	140,000,000	LAKE ST. CLAIR	Y	1.7	CSO-T
2/27/1997	2:45	2/27/1997	13:20	10.6	96,000,000	LAKE ST. CLAIR	Y	1.15	CSO-T
3/14/1997	5:25	3/14/1997	20:50	15.4	135,260,000	LAKE ST. CLAIR	Y	1.51	CSO-T
5/3/1997	10:30	5/3/1997	18:15	7.8	41,254,000	LAKE ST. CLAIR	Y	1.38	CSO-T
5/19/1997	1:30	5/19/1997	9:15	7.8	36,730,000	LAKE ST. CLAIR	Y	1.14	CSO-T
6/21/1997	21:40	6/22/1997	2:25	4.8	18,630,000	LAKE ST. CLAIR	Y	1.05	CSO-T
7/2/1997	20:25	7/3/1997	2:30	6.1	34,000,000	LAKE ST. CLAIR	Y	1.48	CSO-T
8/20/1997	19:35	8/21/1997	2:30	6.9	37,300,000	LAKE ST. CLAIR	Y	3.24	CSO-T
9/2/1997	18:30	9/2/1997	21:25	2.9	6,700,000	LAKE ST. CLAIR	Y	1.05	CSO-T
9/10/1997	5:45	9/10/1997	11:35	5.8	33,300,000	LAKE ST. CLAIR	Y	1.44	CSO-T
12/25/1997	5:00	12/25/1997	7:00	2	5,500,000	LAKE ST. CLAIR	Y	0.75	CSO-T
SubTotals for CHAPATON RTB				94.9	622,674,000			16.56	
MARTIN RTB									
2/4/1997	17:35	2/4/1997	7:20	13.8	14,250,000	LAKE ST. CLAIR	Y	0.73	CSO-T
2/21/1997	0:15	2/23/1997	0:30	48.3	50,920,000	LAKE ST. CLAIR	Y	1.64	CSO-T
2/27/1997	3:00	2/28/1997	3:30	24.5	30,210,000	LAKE ST. CLAIR	Y	1.23	CSO-T
3/14/1997	5:40	3/15/1997	19:40	31.5	131,000,000	LAKE ST. CLAIR	Y	1.68	CSO-T
5/3/1997	10:15	5/4/1997	4:40	18.4	38,700,000	LAKE ST. CLAIR	Y	1.41	CSO-T
5/19/1997	1:15	5/20/1997	1:45	24.5	66,810,000	LAKE ST. CLAIR	Y	1.28	CSO-T
7/2/1997	20:20	7/3/1997	4:00	7.7	11,150,000	LAKE ST. CLAIR	Y	1.65	CSO-T
8/20/1997	22:45	8/21/1997	3:40	4.9	4,310,000	LAKE ST. CLAIR	Y	1.3	CSO-T
9/2/1997	18:00	9/3/1997	1:00	5	4,900,000	LAKE ST. CLAIR	Y	1.02	CSO-T
9/10/1997	6:15	9/10/1997	17:00	10.8	19,900,000	LAKE ST. CLAIR	Y	1.53	CSO-T
12/25/1997	7:00	12/25/1997	16:50	9.8	7,100,000	LAKE ST. CLAIR	Y	0.83	CSO-T
SubTotals for MARTIN RTB				199.2	379,250,000			14.3	
MILK RIVER RTB									
2/4/1997	18:06	2/4/1997	19:00	0.9	7,145,000	LAKE ST. CLAIR	Y	0.75	CSO-T
2/20/1997	23:20	2/20/1997	23:53	0.5	9,584,885	LAKE ST. CLAIR	Y	1	CSO-T
2/21/1997	0:42	2/21/1997	23:53	4.8	41,978,000	LAKE ST. CLAIR	Y	0.5	CSO-T
2/22/1997	2:11	2/22/1997	3:09	1	7,163,000	LAKE ST. CLAIR	Y	0.05	CSO-T
2/27/1997	0:13	2/27/1997	14:00	6.6	36,220,000	LAKE ST. CLAIR	Y	1.2	CSO-T
3/14/1997	4:53	3/14/1997	19:00	7.5	82,115,570	LAKE ST. CLAIR	Y	1.6	CSO-T
5/3/1997	11:04	5/3/1997	15:17	2.1	17,798,100	LAKE ST. CLAIR	Y	1.3	CSO-T
5/19/1997	1:12	5/19/1997	5:34	2.5	31,042,920	LAKE ST. CLAIR	Y	1	CSO-T
6/21/1997	20:48	6/21/1997	22:29	1.7	15,617,080	LAKE ST. CLAIR	Y	1	CSO-T
7/2/1997	20:37	7/2/1997	21:43	1.1	12,566,050	LAKE ST. CLAIR	Y	1.05	CSO-T
8/20/1997	17:41	8/20/1997	22:11	4.5	98,616,000	LAKE ST. CLAIR	Y	3.6	CSO-T
9/10/1997	4:54	9/10/1997	7:10	2.3	19,027,170	LAKE ST. CLAIR	Y	1.5	CSO-T
12/25/1997	6:52	12/25/1997	8:00	1.1	9,319,000	LAKE ST. CLAIR	Y	0.55	CSO-T
SubTotals for MILK RIVER RTB				36.6	388,192,775			15.1	

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MT. CLEMENS RTB									
2/27/1997	5:00	2/28/1997	14:30	33.5	7,500,000	CLINTON RIVER	Y	0	CSO-T
5/19/1997	0:20	5/22/1997	8:00	31.7	23,287,000	CLINTON RIVER	Y		CSO-T
SubTotals for MT. CLEMENS RTB				65.2	30,787,000			0	
SANG									
3/14/1997	9:30	3/14/1997	21:00	11.5	155,280	CLINTON RIVER	N		CSO-U
5/19/1997	7:30	5/19/1997	22:00	14.3	141,420	CLINTON RIVER	Y		CSO-U
SubTotals for SANG				25.8	296,700				
SCS - 12 MILE RD.									
3/14/1997	7:18	3/14/1997	9:36	2.3	193,200	LAKE ST. CLAIR	N	1.75	SSO
5/19/1997	0:55	5/19/1997	4:58	4.1	340,200	LAKE ST. CLAIR	N	1.8	SSO
SubTotals for SCS - 12 MILE RD.				6.4	533,400			3.55	
SCS - LAKE BLVD.									
3/14/1997	7:26	3/14/1997	9:39	2.2	366,960	LAKE ST. CLAIR	N	1.75	SSO
5/19/1997	0:44	5/19/1997	5:06	4.4	725,580	LAKE ST. CLAIR	N	1.8	SSO
SubTotals for SCS - LAKE BLVD.				6.6	1,092,540			3.55	
SCS - MASONIC									
3/14/1997	7:18	3/14/1997	9:38	2.3	263,160	LAKE ST. CLAIR	N	1.75	SSO
5/19/1997	0:33	5/19/1997	6:20	5.8	728,280	LAKE ST. CLAIR	N	1.8	SSO
SubTotals for SCS - MASONIC				8.1	991,440			3.55	
SOCSDS RTB									
2/4/1997	16:30	2/5/1997	0:30	8	51,000,000	RED RUN DRAIN	Y	0.8	CSO-T
2/20/1997	23:17	2/22/1997	18:15	35.6	282,000,000	RED RUN DRAIN	N	2.05	CSO-T
2/27/1997	2:10	2/27/1997	19:10	17	223,000,000	RED RUN DRAIN	Y	1.25	CSO-T
3/14/1997	4:58	3/15/1997	0:30	19.5	241,000,000	RED RUN DRAIN	Y	1.7	CSO-T
3/29/1997	10:10	3/29/1997	14:45	4.6	7,000,000	RED RUN DRAIN	Y	0.725	CSO-T
5/3/1997	9:05	5/3/1997	17:45	8.7	66,000,000	RED RUN DRAIN	Y	1.35	CSO-T
5/19/1997	0:00	5/19/1997	14:00	14	262,000,000	RED RUN DRAIN	Y	1.05	CSO-T
5/29/1997	15:15	5/29/1997	23:10	7.9	37,000,000	RED RUN DRAIN	Y	1.05	CSO-T
6/21/1997	21:08	6/21/1997	22:55	1.8	10,000,000	RED RUN DRAIN	Y	0.7	CSO-T
7/2/1997	18:51	7/3/1997	1:15	6.4	441,000,000	RED RUN DRAIN	N	2.2	CSO-T
9/10/1997	4:46	9/10/1997	11:10	6.4	397,000,000	RED RUN DRAIN	Y	1.6	CSO-T
SubTotals for SOCSDS RTB				129.9	2,017,000,000			14.475	

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WARREN									
	2/21/1997		2/28/1997		133,900,000	RED RUN DRAIN	Y		SSO-T
	3/1/1997		3/2/1997		15,400,000	RED RUN DRAIN	Y		SSO-T
	3/14/1997		3/17/1997		54,200,000	RED RUN DRAIN	Y		SSO-T
	5/5/1997		5/6/1997		11,700,000	RED RUN DRAIN	Y		SSO-T
	5/8/1997		5/9/1997		7,900,000	RED RUN DRAIN	Y		SSO-T
	5/19/1997		5/21/1997		37,700,000	RED RUN DRAIN	Y		SSO-T
SubTotals for WARREN						260,800,000			
Total all locations				572.7	3,701,617,855				