

APPENDIX A.16 - PRELIMINARY ORDER-OF-MAGNITUDE  
PLANNING COST ESTIMATE FOR MOUNT PLEASANT STREET  
SEWER IMPROVEMENTS

Quantity	Description/Unit Cost	Estimate
LS	Traffic control/mobilization @ \$3,000/LS	\$ 3,000
50 EA	Test pits @ \$300/EA	15,000
LS	Temporary erosion control @ \$2,000/LS	2,000
6 EA	Precast structure removal @ \$500/EA	3,000
1600 LF	8"Ø PVC sewer @ \$95/LF	152,000
1000 LF	4"Ø PVC building sewer @ \$60/LF	60,000
6 EA	4'Ø precast manholes @ \$4,000/EA	24,000
600 LF	15"Ø SICPE storm drain @ \$70/LF	42,000
700 TONS	4" roadway reclaim/pavement @ \$95/TON	67,000
2000 SF	Trench insulation @ \$2/SF	4,000
LS	Loam and seed @ \$5,000/LS	5,000
LS	Owner's testing allowance @ \$2,000/LS	2,000
	Subtotal	\$ 379,000
	Ledge probing allowance	3,000
	Design allowance	26,000
	Inspection allowance	30,000
	Ledge removal allowance	3,000
	Contingency allowance	38,000
	Estimate	\$ 479,000
	(Rounded)	\$(480,000)

APPENDIX A.17 - PRELIMINARY ORDER-OF-MAGNITUDE  
PLANNING COST ESTIMATE FOR NORTH AVENUE SEWER IMPROVEMENTS

Quantity	Description/Unit Cost	Estimate
LS	Traffic control/mobilization @ \$15,000/LS	\$ 15,000
100 EA	Test pits @ \$300/EA	30,000
LS	Temporary erosion control @ \$5,000/LS	5,000
4500 LF	12"Ø PVC sewer @ \$120/LF	540,000
4000 LF	4"Ø PVC building sewer @ \$60/LF	240,000
30 EA	4'Ø precast manholes @ \$4,000/EA	120,000
300 LF	48"Ø SICPE storm drain @ \$180/LF	54,000
950 TONS	4" trench pavement @ \$130/TON	124,000
5000 SF	Trench insulation @ \$2/SF	10,000
LS	Loam and seed @ \$20,000/LS	20,000
LS	Owner's testing allowance @ \$5,000/LS	5,000
	Subtotal	\$ 1,163,000
	Ledge probing allowance	5,000
	Design allowance	80,000
	Inspection allowance	90,000
	Ledge removal allowance	10,000
	Contingency allowance	115,000
	Estimate	\$ 1,463,000
	(Rounded)	\$(1,465,000)

APPENDIX A.18 - PRELIMINARY ORDER-OF-MAGNITUDE  
PLANNING COST ESTIMATE FOR NORTH FOOTBRIDGE CSO NO. 003  
STORAGE UNDER MUNICIPAL PARKING LOT

Component	Estimate
Concrete tank	\$ 650,000
Hatches	15,000
Control building	50,000
Flow meter	5,000
Alarms/telemetry	5,000
CSO pumps	50,000
VFD	15,000
Control panel	25,000
Equipment installation	120,000
Sitework	180,000
Piping	150,000
Valves/weirs	60,000
Electrical	80,000
HVAC	50,000
General conditions	145,000
Subtotal	\$ 1,600,000
Geotechnical allowance	10,000
Design allowance	160,000
Inspection allowance	160,000
Contingency allowance	160,000
Ledge removal allowance	90,000
Estimate	\$ 2,180,000

APPENDIX A.19 - PRELIMINARY ORDER-OF-MAGNITUDE  
PLANNING COST ESTIMATE FOR SKOWHEGAN HIGH SCHOOL  
SEWER IMPROVEMENTS

Quantity	Description/Unit Cost	Estimate
LS	Television inspection allowance	\$ 10,000
	Estimate	\$ 10,000

APPENDIX A.20 - PRELIMINARY ORDER-OF-MAGNITUDE  
PLANNING COST ESTIMATE FOR SOUTH FOOTBRIDGE CSO NO. 008  
STORAGE TANK

Component	Estimate
Concrete tank	\$ 800,000
Hatches	15,000
Control building	50,000
Flow meter	5,000
Alarms/telemetry	5,000
CSO pumps	50,000
VFDs	15,000
Control panel	25,000
Equipment installation	120,000
Sitework	210,000
Piping	175,000
Valves/weirs	60,000
Electrical	80,000
HVAC	50,000
General conditions	170,000
Subtotal	\$ 1,830,000
Geotechnical allowance	10,000
Design allowance	185,000
Inspection allowance	185,000
Contingency allowance	185,000
Ledge removal allowance	100,000
Land acquisition allowance	150,000
Estimate	\$ 2,645,000
Rounded	\$(2,650,000)

APPENDIX A.21 - PRELIMINARY ORDER-OF-MAGNITUDE  
PLANNING COST ESTIMATE FOR SUMMER STREET SEWER IMPROVEMENTS

Quantity	Description/Unit Cost	Estimate
LS	Traffic control/mobilization @ \$4,000/LS	\$ 4,000
30 EA	Test pits @ \$300/EA	9,000
LS	Temporary erosion control @ \$2,000/LS	2,000
1600 LF	8"Ø PVC sewer @ \$95/LF	152,000
800 LF	4"Ø PVC building sewer @ \$60/LF	48,000
8 EA	4'Ø precast manholes @ \$4,000/EA	32,000
900 TONS	4" roadway reclaim/pavement @ \$95/TON	86,000
1500 SF	Trench insulation @ \$2/SF	3,000
LS	Loam and seed @ \$8,000/LS	8,000
LS	Owner's testing allowance @ \$2,000/LS	2,000
	Subtotal	\$ 356,000
	Ledge probing allowance	3,000
	Design allowance	24,000
	Inspection allowance	28,000
	Ledge removal allowance	5,000
	Contingency allowance	35,000
	Estimate	\$ 441,000
	(Rounded)	\$(400,000)

APPENDIX A.22 - PRELIMINARY ORDER-OF-MAGNITUDE  
PLANNING COST ESTIMATE FOR WILLOW STREET SEWER IMPROVEMENTS

Quantity	Description/Unit Cost	Estimate
LS	Traffic control/mobilization @ \$3,000/LS	\$ 3,000
10 EA	Test pits @ \$300/EA	3,000
LS	Temporary erosion control @ \$1,000/LS	1,000
12 EA	Precast structure removal @ \$500/EA	6,000
1000 LF	8"Ø PVC sewer @ \$95/LF	95,000
300 LF	4"Ø PVC building sewer @ \$60/LF	18,000
4 EA	4'Ø precast manholes @ \$4,000/EA	16,000
1200 LF	12"Ø SICPE storm drain @ \$60/LF	72,000
500 LF	15"Ø SICPE storm drain @ \$70/LF	35,000
8 EA	4'Ø precast catchbasin @ \$3,000/EA	24,000
600 TONS	4" roadway reclaim/pavement @ \$95/TON	57,000
1000 SF	Trench insulation @ \$2/SF	2,000
LS	Loam and seed @ \$5,000/LS	5,000
LS	Owner's testing allowance @ \$1,000/LS	1,000
	Subtotal	\$ 338,000
	Ledge probing allowance	2,000
	Design allowance	24,000
	Inspection allowance	27,000
	Ledge removal allowance	3,000
	Contingency allowance	34,000
	Estimate	\$ 428,000
	(Rounded)	\$(430,000)

APPENDIX A.23 - PRELIMINARY ORDER-OF-MAGNITUDE  
PLANNING COST ESTIMATE FOR WINTER STREET SEWER IMPROVEMENTS

Quantity	Description/Unit Cost	Estimate
LS	Traffic control/mobilization @ \$5,000/LS	\$ 5,000
30 EA	Test pits @ \$300/EA	9,000
LS	Temporary erosion control @ \$5,000/LS	5,000
14 EA	Precast structure removal @ \$500/EA	7,000
1000 LF	8"Ø PVC sewer @ \$95/LF	95,000
800 LF	4"Ø PVC building sewer @ \$60/LF	48,000
5 EA	4'Ø precast manholes @ \$4,000/EA	20,000
200 LF	12"Ø SICPE storm drain @ \$60/LF	12,000
1000 LF	15"Ø SICPE storm drain @ \$70/LF	70,000
10 EA	4'Ø precast catchbasin @ \$3,000/EA	30,000
750 TONS	4" roadway reclaim/pavement @ \$95/TON	71,000
1000 SF	Trench insulation @ \$2/SF	2,000
LS	Loam and seed @ \$5,000/LS	5,000
LS	Owner's testing allowance @ \$1,000/LS	1,000
	Subtotal	\$ 376,000
	Ledge probing allowance	4,000
	Design allowance	26,000
	Inspection allowance	30,000
	Ledge removal allowance	5,000
	Contingency allowance	38,000
	Estimate	\$ 479,000
	(Rounded)	\$(480,000)

**APPENDIX B**

**ANNUAL DEP CSO MONITORING REPORTS**







CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")														EVENT OVERFLOW GALLONS	EVENT DURATION HRS	
		TOTAL INCHES	MAX HR INCHES	LOCATION: Water St. NUMBER: 001	LOCATION: Island Ave. NUMBER: 002	LOCATION: North 48th NUMBER: 003	LOCATION: Joyce St. NUMBER: 004	LOCATION: Elm St. NUMBER: 005	LOCATION: Dinsmore NUMBER: 006	LOCATION: Bush St. NUMBER: 007	LOCATION: South 72nd NUMBER: 008	LOCATION: MH #5 NUMBER: 010A	LOCATION: NUMBER:	LOCATION: NUMBER:						
57	5/30	0.12	0.10	1,969	8,363	4,593												14,924	1.25	
58	5/31	0.37	0.27	1,796	7,411	51,724	1,305	1,400	1,854									156,253	6.25	
59	5/31	0.28	0.02			13,813												13,813	7.25	
60	6/5	0.28	0.14	3,080	53,895	4,066												61,041	2.75	
61	6/6	0.34	0.14	3,113	18,657	10,847												32,617	3.75	
62	6/11	0.44	0.11	2,358	11,349	10,475												24,182	1.25	
63	6/11	0.88	0.16	13,787	78,802	52,292												144,881	14.00	
64	6/15	0.54	0.20	3,757	47,082	21,527		288	518									73,174	6.75	
65	6/15	0.06	0.04	1,383		3,661												3,661	2.50	
66	6/23	0.10	0.09			2,213												3,595	1.50	
67	6/23					43												43	0.25	
68	6/26	0.39	0.25	16,482	2,923	18,632		2,795	3,138									96,706	4.50	
69	6/26	0.07	0.06	1,598	588	5,749												7,935	7.75	
70	6/28	0.12	0.10	182	2,140	344												21,832	0.75	
71	7/1	0.92	0.28	24,900	29,475	58,006		8,040	3,361									356,073	6.75	
72	7/2	0.47	0.38	25,160	10,098	97,971	5,399	10,693	5,541									173,211	3.50	
73	7/3				299													299	0.25	
74	7/4	0.55	0.54	7,108	1,282	103,047	18,251	8,348	2,889	8,403								150,586	1.50	
75	7/15	0.20	0.16	5,884	9,548	10,653			339	1,725								28,148	1.50	
76	7/19	0.06	0.04	278														278	0.75	
77	7/23	0.41	0.40	2,346	4,894	14,174		3,645	4,316	4,281								141,622	1.50	
78	7/29	0.49	0.47	8,920	3,843	104,491	69,671	8,226	8,392	4,015								233,019	1.50	
79	7/30	0.11	0.11	1,126	455	1,860												3,441	0.50	
80	8/6	0.25	0.16	3,741		19,962												23,703	1.50	
81	8/20	0.18	0.08	705		639												1,343	0.75	
82	8/25	0.19	0.10	3,403		3,300												6,703	2.50	
83	9/4	0.06	0.05			681												681	0.75	
84	9/11	0.61	0.35	10,283	1	158,040	35	6,242	6,603	12,695								215,629	6.50	
85	9/12	0.09	0.04			13,145												13,145	1.75	
86	9/15	0.68	0.34	7,300	6,549	214,054	580	4,955	10,844									277,436	12.00	
87	9/16	0.71	0.17	15,476	307,914	1,156			602									325,147	9.00	
88	9/23	0.90	0.78	25,162	12,154	170,687	293	10,065	23,740	64,247								390,098	4.75	
89	9/27	0.84	0.22	2,807	10,578				1,232	2,964								14,775	6.25	
90	9/27	0.61	0.33	16,100	1	1	1,178	14,840	5,299	41,669								89,446	6.50	
91	10/5	0.27	0.13	2,481	9,242	1		1,109		992								13,826	3.00	
92	10/13	0.63	0.18	9,993	36,320	1		7,100	1	311								53,725	5.50	
93	10/13	0.24	0.18	6,950	42,238			5,259		2,220								56,667	1.75	
94	10/16	0.57	0.15	8,153	33,134	112,422												153,709	7.25	
95	10/16	0.42	0.11	6,348	26,303	239,260												271,912	7.75	
96	10/18	0.17	0.08	265														265	1.50	
97	10/19	0.26	0.10	3,038	344	29,574												32,956	3.25	
98	10/20			3,963	2,486			1,924										1,924	0.50	
99	10/26	0.55	0.09			120,241												126,690	12.00	
100	10/26	0.01	0.01			4,910												4,910	2.25	
101	11/5	0.02	0.02			87,220												87,220	3.25	
102	11/5	0.76	0.09			81,182												81,182	4.00	
103	11/11	0.09	0.07			2,811												2,811	1.50	
104	11/12	0.41	0.10			133,109												152,284	14.00	
105	11/12	0.39	0.10			2,070												2,070	1.00	
106	11/17	0.88	0.13			8,276												8,276	3.00	
107	11/18	0.33	0.09			1,659												7,338	2.75	
108	11/21					5,678												85,784	8.75	
109	11/22	0.64	0.11			29,101		1,726		8,664								247,051	17.25	
110	11/23	0.10	0.06			2,081												2,081	1.50	
111	12/2																	1		
112	12/9																	1		
113	12/14	0.77	0.14			25,451		6,378	2,660	22,280								57,568	12.00	
114	12/20	0.82	0.21			2,769		10,430	43,001	80,012								244,442	13.50	
115	12/20					36,490		309	10,355									10,664	2.75	
TOTALS				242,827	383,779	3,648,868	5,683,758	33,774	303,852	78,678	264,811	243,068						10,883,416		
				34.30																

Note 1: Flow data should be listed as gallons per day. Storms lasting more than one day should show total flow for each day.





# CSO ACTIVITY AND VOLUMES

MUNICIPALITY OR DISTRICT: Skowhegan WWTP  
 REPORTING YEAR: 2003  
 YEARLY TOTAL PRECIPITATION: 45.54 INCHES

MEPDES / NIPDES PERMIT NO. ME0100625  
 SIGNED BY: Brent Dickey  
 DATE: 2/26/04

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")												EVENT OVERFLOW GALLONS	EVENT DURATION HRS
		TOTAL INCHES	MAX. HR INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: N. Side 48" NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dismore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: S. Side 72" NUMBER: 008	LOCATION: MH #5 NUMBER: 010	LOCATION: NUMBER:				
40	8/13	0.12	0.12		2,126	1	8,731						2,730			13,588	2.25
41	8/26	0.08	0.06	4,690	1,964											6,654	0.50
42	8/26	0.12	0.04	9,479			3,842									13,321	1.00
43	9/4	0.22	0.20	38,973	28,368	1	59,127	1,289	14,382	16,986	1	166,110			325,237	6.00	
44	9/16	0.87	0.38	3,133	16,278		64,224		10,682	1,939		9,884			106,140	7.00	
45	9/19	0.25	0.19	4,821	6,018		10,791								21,630	1.50	
46	9/20	0.57	0.54	3,554	8,523	1	36,511	102	15,183	9,388		23,501			96,763	4.75	
47	9/20	0.01	0.01				11,042								11,042	3.25	
48	9/23	0.52	0.26	18,757	5,785	1	28,959		5,888	1,532					60,922	4.50	
49	9/26	0.12	0.06		1,031										1,031	0.75	
50	9/28	1.60	0.45	31,574	14,852	1	163,735	3,083	31,556	14,650		81,739			348,693	9.50	
51	9/28	0.44	0.20	17,386	5,399	1	115,768			1,719					140,273	9.25	
52	10/4	1.34	0.45	57,842	1	1	132,972	5,163	11,612	8,708		38,280			259,189	9.00	
53	10/4	0.01	0.01				48,688								48,688	7.75	
54	10/12	2.53	1.61	1	31,799	1,265,175	166,501	727	52,934	122,527		319,236			2,333,329	6.75	
55	10/12	0.11	0.10		642	141,761	357,275	4,857	15,753	50,055		2,852			638,896	24.00	
56	10/12						42,245								42,245	7.25	
57	10/15	1.65	0.50	1	31,940	1,334,250	269,510	5,265	73,174	120,333		155,146			2,215,774	17.25	
58	10/15									7,854					7,854	9.75	
59	10/21	2.44	0.38	1	49,134	1,664,803		13,301	165,794	118,756		118,546			2,541,392	19.50	
60	10/21	0.06	0.04							8,536					8,537	3.00	
61	10/27	1.75	0.27	1	34,959	978,500		2,535	49,631	36,615		23,474			1,264,764	14.25	
62	10/27	0.04	0.04	1	2,892	175,883		4,428	19,485	14,755					217,445	6.50	
63	10/29	1.67	0.31	1	43,589	1,543,357		11,129	130,311	117,409		82,528			1,982,480	18.50	
64	10/29						5,163			5,839					11,003	6.00	
65	10/29														1		
66	11/3	0.16	0.05		1,066										1,066	0.50	
67	11/3	0.19	0.04		1,289										1,289	0.25	
68	11/5	0.23	0.10		3,030	9,958	17,135								30,123	1.25	
69	11/13	1.00	0.28	25,303	11,450	352,363	219,197	369	8,460	10,316		38,963			666,421	7.25	
70	11/20	1.04	0.41		18,407	483,275			4,185	5,997		18,013			556,072	5.50	
71	11/28	0.72	0.24	1	10,059	241,397	113,270		1	2,788		11,588			379,104	4.25	
72	11/28	0.78	0.22	1	11,458	416,132	509,086			12,524		8,379			957,581	11.50	
73	12/11	1.21	0.29	1	38,155	804,424				11,893		90,752			945,226	10.00	
74	12/11	0.06	0.05		3,803	7,093						524			11,421	3.25	
75	12/17	1.61	0.28	1	90,919	1,028,556		4,789		29,357		168,719			1,322,343	9.50	
76	12/17	1.02	0.35		38,916	1,896,439				201,158		708,439			2,844,953	18.00	
77	12/17														1		
TOTALS			37.19	491,128	735,166	13,110,725	2,970,521	57,040	738,578	1,006,169	1,253,662	2,405,122			22,768,111		

Note 1: Flow data should be listed as gallons per day. Storms lasting more than one day should show total flow for each day.  
 Note 2: Block activity should be shown as a "1" if the block floated away.

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CSO ACTIVITY AND VOLUMES

MUNICIPALITY OR DISTRICT: **SKOWHEGAN**      MEPDES / NPDES PERMIT NO. **ME0100625**  
 REPORTING YEAR: **2004**      SIGNED BY: **BRENT DICKEY**      DATE: **1/28/05**  
 YEARLY TOTAL PRECIPITATION: **35.68** INCHES

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")												EVENT OVERFLOW GALLONS	EVENT DURATION HRS			
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dinmore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: MH #5 NUMBER: 010A								
1	1/4	0.25	0.11	1															4	-----
2	1/12																		3	-----
3	3/15	0.07	0.04																1	-----
4	4/2	0.72	0.14																455,978	9.25
5	4/4	0.15	0.08																7,154	2.00
6	4/13	0.84	0.23																292,976	5.25
7	4/13	0.79	0.38																1,131,936	17.50
8	4/13																		131,008	9.75
9	4/26	0.19	0.08																16,959	8.50
10	4/26																		218,975	18.25
11	5/3	0.78																	46,915	12.00
12	5/4	0.09	0.08																200,852	5.50
13	5/9																		622	0.50
14	5/10	0.13	0.08																1,386	0.75
15	5/15	0.54	0.41																200,089	2.50
16	5/18	0.61	0.56																366,736	2.75
17	5/21	0.16	0.12																4,349	1.25
18	5/23	0.25	0.08																2,101	1.00
19	5/24	0.85	0.16																145,737	7.75
20	5/25	0.21	0.08																6,864	1.25
21	5/26	0.16	0.08																10,346	2.00
22	6/2	0.52	0.29																416,287	6.75
23	6/19	0.67	0.33																46,695	3.75
24	6/22	0.15	0.10																1,130	1.50
25	7/2	0.70	0.60																303,673	1.75
26	7/3	0.09	0.06																7,305	0.75
27	7/8	0.26	0.10																3,704	1.50
28	7/9	0.79	0.29																104,955	4.75
29	7/17	0.24	0.24																70,547	0.75
30	7/19	0.21	0.17																13,013	1.25
31	7/20	0.31	0.28																106,908	1.25
32	7/23	0.33	0.22																44,425	1.75
33	7/24	0.18	0.10																6,269	4.00
34	7/27	0.06	0.06																2,628	0.75
35	7/31	0.08	0.08																1,943	1.00
36	8/1	0.62	0.24																175,534	3.00
37	8/3	0.31	0.27																125,033	4.00
38	8/13	1.79	0.58																1,106,647	7.75
39	8/16	0.16	0.12																28,683	2.25
40	8/16	0.25	0.15																30,996	1.00
41	8/19	0.16	0.15																23,482	1.00
42	8/20																		2,307	2.00
43	8/21	0.90	0.18																139,783	8.50
44	8/29	0.37	0.29																60,930	1.50
45	8/31	0.75	0.60																271,354	2.00

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("1")													
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dinsmore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: MH #5 NUMBER: 010A	EVENT OVERFLOW GALLONS	EVENT DURATION HRS			
46	9/9	1.26	0.24	1	12,822	143,420	2,572				17,756			315	176,886	7.50	
47	9/18	0.92	0.15		88,729	88,581	6,256								183,566	3.75	
48	9/25	0.19	0.19		50,350	50,350	16,191				2,243				119,133	2.25	
49	10/12	0.38	0.11		6,270	4,532									10,802	4.75	
50	10/16	1.08	0.24		11,180	238,792	15,340							3,390	268,701	8.50	
51	10/30	0.09	0.06		3,714	12,890	10,380								26,984	1.00	
52	10/31	0.10	0.09		3,702			2,574							6,276	12.00	
53	11/4	0.30	0.21		5,722	56,760									62,481	1.75	
54	11/4	0.58	0.12		4,762	30,023		5,670							40,456	5.75	
55	11/24	0.57	0.16		9,015	76,913									85,928	4.75	
56	11/24	1.12	0.38		19,675	276,700	9,684				36,627			21,496	372,814	6.50	
57	11/28	1.79	0.67	4,431	11,306	662,869	31,513	2,920			89,342	19,812		162,185	1,013,386	7.00	
58	11/28	0.16	0.15		7,866	130,685	46,983	408			15,112	7,876		5,985	222,115	7.00	
59	12/1	1.56	0.41	8,198	16,449	859,023	93,455	26,689			156,450	13,699		122,304	1,333,114	13.25	
60	12/23	1.02	0.39	841.	1,715	894,981	57,088	12,478			160,871	55,248		431,491	1,614,715	8.50	
61	12/23	0.03	0.02			37,241	161,996	2,427			7,125			1,399	210,188	7.75	
TOTALS				27.936	574.643	7,623,431	1,248,740	129,644	332,032	710,761	112,819	1,322,762			12,082,768		

Note 1: Flow data should be listed as gallons per day. Storms lasting more than one day should show total flow for each day.

Note 2: Block activity should be shown as a "1" if the block floated away.

Doc Num: DEPLW0462

Csoflows.xls (rev. 12/12/01)

**MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CSO ACTIVITY AND VOLUMES**

MUNICIPALITY OR DISTRICT: **SKOWHEGAN**  
 REPORTING YEAR: **2005**  
 YEARLY TOTAL PRECIPITATION: **63.38** INCHES

MEPDES / NPDES PERMIT NO. **ME0100625**  
 SIGNED BY: **BRENT DICKEY** DATE: **2/2/2006**

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")												EVENT OVERFLOW GALLONS	EVENT DURATION HRS
		INCHES	INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dinsmore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: MH #5 NUMBER: 010A					
1	1/14	0.59	0.15	1	215,863	919,313	81,063	42,322	58,151	98,892	1,415,605	10.25					
2	2/16	0.57	0.20		190,507	1	25,328	7,269	1	33,433	256,542	5.00					
3	2/16				38,870						38,870	1.25					
4	3/8	1.31	0.15		1,592						1,592	0.75					
5	3/28	1.65	0.22	1	41,865	801,071	1	35,687	1	235,075	1,113,702	9.50					
6	3/28	0.16	0.06		408,312	408,312	1	1	1	1	408,312	22.75					
7	3/30				66,077	66,077	1	1	1	1	66,080	8.50					
8	4/2	1.12	0.21	3,361	30,651	706,277	13,564	1	3,197	24,277	782,255	13.75					
9	4/2	1.60	0.27	81,558	2,262	2,703,872	65,705	1	51,191	453,413	3,358,677	24.00					
10	4/2	0.05	0.03	26,268		150,823					177,091	23.00					
11	4/20	0.64	0.18		36,155	112,628					148,783	5.25					
12	4/20	0.03	0.02		3,800						3,800	3.75					
13	4/23	0.27	0.13		7,224						7,224	2.00					
14	4/24	1.67	0.58		56,145	1,189,330	31,670	1	37,269	265,644	1,580,060	13.00					
15	4/24	0.80	0.42		46,612	774,170	18,599	1	17,881	102,023	959,289	24.00					
16	4/24					28,575					28,575	12.00					
17	4/27	0.85	0.19		19,365	418,995					461,554	7.75					
18	4/27	1.93	0.18		21,072	1,991,307					2,313,491	24.00					
19	4/27	0.42	0.02			69,236					69,236	17.50					
20	4/30	0.42	0.11		10,321	149,936					160,257	6.75					
21	5/7	1.00	0.25		27,353	427,402	5,367		2,937	70,252	533,312	11.50					
22	5/7	0.12	0.09		1,583	49,077	1,488				52,148	2.75					
23	5/21	0.18	0.07		2,944						2,944	2.75					
24	5/21	0.37	0.05		2,214						2,214	1.50					
25	5/23	0.77	0.16		20,936	136,098					169,902	6.75					
26	5/26	2.62	0.37	1	74,161	1,836,489	5,971	127,132	191,242	252,898	2,487,896	23.25					
27	5/26	0.01	0.01			118,288		5,510	23,905		147,702	24.00					
28	5/26	0.07	0.03			11,190					11,190	13.25					
29	5/29	0.13	0.07		2,733						2,733	1.50					
30	6/10	0.57	0.57		6,548	151,587	782	18,227	7,280	101,624	286,049	2.50					
31	6/14	1.74	0.30		87,342	764,700	17,455		25,634	33,073	928,207	16.00					
32	6/14	0.70	0.20		83,278	256,499	197,894				537,671	20.25					
33	6/16	0.19	0.09		2,762	30,620					33,382	1.25					
34	6/17	0.65	0.26		16,519	378,476		878	66,172	59,046	521,092	7.50					
35	6/22	0.11	0.07		1,289						1,289	0.50					
36	7/5	0.51	0.48		6,821	224,937	1,428	3,447	9,831	176,696	423,162	1.75					
37	7/6	0.15	0.11		1,857	6,089					7,946	0.50					
38	7/8	0.08	0.08		251						251	1.00					
39	7/8	1.49	0.39		17,307	467,816	4,443	2,551	23,860	500,251	1,016,229	7.50					
40	7/14	0.26	0.19		2,513	58,711				81,162	142,386	1.50					
41	7/19	0.21	0.21		2,751	23,061					25,813	0.50					
42	7/22	0.23	0.21		2,462	50,406	655			95,509	149,031	1.00					
43	7/25	0.35	0.29		5,695	65,652	576			40,536	112,460	1.75					
44	7/27	1.08	0.93	1	5,756	416,606	10,088	2,831	1	665,424	1,100,710	3.00					
45	8/2	0.31	0.15		3,385	84,279	818			118,027	206,510	3.50					

CSC EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")												EVENT OVERFLOW GALLONS	EVENT DURATION HRS	
		TOTAL INCHES	MAX. HR INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dinsmore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: MH #5 NUMBER: 010A						
46	8/12	0.13	0.11		3,308											3,308	0.75	
47	8/14	0.07	0.05		837											837	0.75	
48	8/15	0.16	0.09		6,702		2,712									9,415	8.50	
49	8/21	0.69	0.21		13,407	156,323								9,659		179,389	15.75	
50	8/21	0.15	0.15		7,137	31,001	200									38,339	9.50	
51	8/28	0.03	0.03		2,536											2,536	2.50	
52	8/29	0.27	0.21		3,206	67,175	443							306,096		376,923	1.00	
53	8/30	0.76	0.29		18,499	160,454	1,059	2,143						177,439		359,595	4.00	
54	8/31	0.79	0.21		10,482	145,782	493							149,174		305,933	5.00	
55	9/1	0.31	0.21		6,483	29,140	663							17,872		36,286	3.00	
56	9/17	1.30	0.31		21,715	242,782	2,723							316,067		285,094	9.00	
57	9/29	0.83	0.56				3,452							786,581		319,523	2.75	
58	10/8	2.88	0.51		90,514	808,285	96,935							1,145,652		1,782,319	20.00	
59	10/8	3.69	0.32		109,960	2,471,768	363,196	94,026						4,184,605		4,184,605	24.00	
60	10/8	0.06	0.02			72,950	832	13,601						87,382		87,382	15.25	
61	10/15	3.23	0.55			1,952,815	31,695	35,324						2,276,083		4,295,922	17.75	
62	10/15	0.36	0.09		802	751,874	37,775	181,257								971,708	24.00	
63	10/15					474										474	1.25	
64	10/23	1.28	0.33		22,617	796,090	14,723							176,187		1,009,621	14.00	
65	10/25	1.88	0.29		33,741	1,348,780	30,665							533,466		2,307,641	17.75	
66	10/25	0.52	0.11			1,068,682	21,616							74,446		1,164,747	24.00	
67	10/25					32,243										32,243	16.00	
68	11/6	0.14	0.12		9,859	194,804	999							6,575		212,238	1.75	
69	11/6	0.48	0.24		1,884	121,929	1,122							29,645		154,580	1.50	
70	11/9	0.44	0.14		9,129	5,008								14,140		14,140	3.50	
71	11/9	0.65	0.21		2,426	470,619	2,446							1,122		476,613	5.50	
72	11/15	0.69	0.19		11,073	196,003	1,294							484,125		692,495	7.50	
73	11/15	0.69	0.35		96,228	464,873	16,847	22,553						488,512		1,089,015	18.00	
74	11/15	0.67	0.24		52,658	496,764	34,273	88,692						11,720		684,107	12.75	
75	11/22	1.78	0.18			1,051,686	12,652	87,270						16,824		1,168,434	17.75	
76	11/22					16,896										16,896	15.00	
77	11/30	1.71	0.31		8,093	1,210,013	72,278	172,098						403,332		1,865,817	17.75	
78	11/30	0.09	0.04		8,157	64,439	8,847	191,456								272,898	24.00	
79	12/26	1.12	0.22		3,301	496,325										499,626	10.25	
80	12/29	1.04	0.14			553,361		70,528								623,889	13.75	
81	12/29	0.07	0.03			72,018		23,494								95,512	8.50	
TOTALS				56.54	111,192	1,655,520	31,599,263	1,242,840	1,192,621	598,089	36	437,042	11,036,720	47,873,323				

Note 1: Flow data should be listed as gallons per day. Storms lasting more than one day should show total flow for each day.

Note 2: Block activity should be shown as a "I" if the block floated away.

Doc Num: DEPLW0462

Csoftows.xls (rev. 12/12/01)

# MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION CSO ACTIVITY AND VOLUMES

MUNICIPALITY OR DISTRICT: Skowhegan Water Pollution Control  
 REPORTING YEAR: 2006  
 YEARLY TOTAL PRECIPITATION: 48.14 INCHES  
 MEPDES / NPDES PERMIT NO.:  
 SIGNED BY: Brent Dickey  
 DATE: 2/15/2007

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")												EVENT OVERFLOW GALLONS	EVENT DURATION HRS	
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dinsmore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: MH #5 NUMBER: 010A						
1	1/12	0.25	0.18		3,106	30,519											33,626	2.75
2	1/14	1.34	0.22	1	4,203	1,571,189	35,839		360,876						297,195	3,322,659	5,591,964	16.25
3	1/14	0.30	0.06			1,466											1,466	0.75
4	1/18	1.28	0.36	1	6,542	1,240,657	24,593		170,867							4,071,276	5,513,938	13.00
5	2/3	0.90	0.29	1	45,924	791,830	1									3,007,497	3,845,255	11.00
6	2/3	0.08	0.08	1	24,057	70,381	1									76,892	171,333	9.25
7	2/3	0.78	0.14	1	18,400	1,031,012	1									1,651,333	2,700,749	20.25
8	2/3															96,672	96,672	19.25
9	2/17	0.07	0.07		854	10,684										11,538	11,538	1.00
10	3/14	0.45	0.20	1	8,910	194,326										232,167	435,404	4.25
11	4/1	0.16	0.08		165												165	0.50
12	4/4	0.70	0.18		17,401	127,258											144,659	5.25
13	4/4	0.20	0.08			8,215											8,215	3.25
14	4/7	0.17	0.07		533											533	1.25	
15	4/13	0.11	0.11		1,373	13,032											14,405	0.50
16	4/15	0.30	0.14		3,335	28,536											31,871	2.25
17	5/2	0.66	0.15		8,012	37,642											45,654	4.25
18	5/11	0.38	0.10		1,245												1,245	1.25
19	5/12	0.57	0.11		969	5,224											6,194	1.25
20	5/15	0.19	0.12		1,385	3,128											4,513	0.50
21	5/16	0.66	0.21		4,218	62,365											66,584	3.75
22	5/18	0.03	0.01		1,646	5,427											7,073	0.50
23	5/19	0.38	0.09		18,456	115,198											251,635	2.75
24	5/20	0.16	0.08			2,090											2,090	0.50
25	5/21	0.16	0.07		2,364												2,364	1.00
26	5/21	0.17	0.12		1,215	8,601											9,816	0.25
27	6/1	0.47	0.38		6,726	109,731											407,197	1.50
28	6/3	1.57	0.34		13,119	314,087											363,661	8.50
29	6/4	0.75	0.21		9,174	88,838											103,925	7.00
30	6/7	1.08	0.26		4,481	18,175											22,657	1.00
31	6/7	0.36	0.10		16,929	261,731											297,461	15.50
32	6/9	0.48	0.15		8,156	12,752											20,908	3.00
33	6/10	1.03	0.37		14,180	358,934											742,408	15.00
34	6/11	0.41	0.20		8,016	42,547											55,570	3.50
35	6/11	0.11	0.06		437	18,335											18,772	1.50
36	6/14	0.43	0.37		10,644	101,252											178,695	1.75
37	6/19	0.61	0.48		8,769	202,704											611,557	2.25
38	6/20	0.57	0.33		7,308	196,517											315,275	3.00
39	6/26	0.58	0.10		1,466	4,857											6,323	3.00
40	6/28	0.36	0.19		2,546	37,284											39,831	2.50
41	6/30	0.14	0.08			14,371											14,372	0.75
42	7/2	0.32	0.17		2,110	21,808											23,918	2.00
43	7/10	0.09	0.17			30,761											30,762	1.00
44	7/13	0.25	0.11		1,540	4,849											6,389	0.50
45	7/21	0.14	0.13		2,159	10,224											12,383	1.00
46	7/22	0.68	0.17		1,794	69,923											71,716	3.75

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("1")																EVENT OVERFLOW GALLONS	EVENT DURATION HRS
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dinsmore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: MH #5 NUMBER: 010A									
47	7/26	0.34	0.29		2,825	85,665		1	1							2,179	81,575	172,246	2.00		
48	7/27	0.10	0.09		1,884													1,884	0.50		
49	7/28	0.52	0.18		3,636	60,272												63,907	3.25		
50	8/1				921	21,825		1									12,385	35,134	0.50		
51	8/1	0.54	0.26		998	5,452												6,450	1.50		
52	8/3	0.55	0.28		7,785	41,100											11,866	60,752	3.75		
53	8/4	0.05	0.04		215													215	0.50		
54	8/7	0.10	0.10		997													997	1.00		
55	8/10	0.17	0.14		1,477	5,451												6,928	0.75		
56	8/20	1.07	0.20		4,685	36,771												41,456	4.50		
57	8/27	0.56	0.24		845	39,964												40,809	2.75		
58	8/27	0.28	0.10			2,472												2,472	1.25		
59	9/3	0.32	0.11			4,304												4,304	0.50		
60	9/6	0.29	0.16		446	7,049	1											7,496	1.00		
61	9/9	0.22	0.14			4,150												4,150	0.50		
62	9/19	0.55	0.23		1,188	28,480												29,670	3.00		
63	9/19	0.59	0.38		6,746	138,247											12,203	157,196	9.75		
64	9/23	0.42	0.18			25,525												25,525	1.50		
65	9/29	0.75	0.33		1,026	94,824												99,769	2.50		
66	10/4	0.02	0.02		1,067													1,067	0.75		
67	10/12	2.98	0.75		11,225	985,977	22,403		41,196									2,351,558	13.25		
68	10/18	0.47	0.11			31,418												31,418	12.25		
69	10/20	1.77	0.46		3,902	618,418	16,190		19,793									1,269,244	21.25		
70	10/23	0.31	0.09			8,202												8,202	12.75		
71	10/28	2.55	0.42			1,403,737			163,866									2,962,621	14.75		
72	10/28	0.02	0.01			17,395			740									18,137	12.00		
73	11/2	0.26	0.06			10,505												10,505	11.00		
74	11/8	0.37	0.14			34,675												34,675	3.75		
75	11/8	0.38	0.10			23,194												23,194	14.50		
76	11/12	0.45	0.25		617	154,883												155,501	6.50		
77	11/12	0.16	0.11			26,867												26,868	19.00		
78	11/12	0.89	0.18		973	224,606												225,580	15.00		
79	11/16	0.50	0.17			68,397												68,398	3.25		
80	11/17	1.05	0.29		2,144	492,246	780											495,171	11.25		
81	12/1	1.08	0.24		1,693	179,047												528,125	4.00		
TOTALS		41.56		6	351,163	12,159,575	157,140	785,547	29,141	27	815,670	17,016,089	31,314,358								

Note 1: Flow data should be listed as gallons per day. Storms lasting more than one day should show total flow for each day.

Note 2: Block activity should be shown as a "1" if the block floated away.

# MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

## CSO ACTIVITY AND VOLUMES

MUNICIPALITY OR DISTRICT  
 REPORTING YEAR  
 YEARLY TOTAL PRECIPITATION

Skowhegan Water Pollution Control  
 2007  
 49.59 INCHES

MEPDES/NPDES PERMIT NO. ME0100625  
 SIGNED BY: **Brent Dickey**  
 DATE: 01/22/08

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")										EVENT OVERFLOW GALLONS	EVENT DURATION HRS		
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dinsmore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: MH #5 NUMBER: 010A					
1	1/5	0.11	0.11			27,566									80,399	107,964	1.75
2	1/5	0.44	0.16			176,167									153,616	329,783	9.25
3	1/8	0.65	0.12			25,516										25,516	2.25
4	3/26	0.19	0.13			31,756										31,756	1.00
5	4/15	0.57	0.10			7,055										7,055	2.00
6	4/16	2.01	0.18	2,846		2,124,241	1	1			871,820				2,047,443	5,046,352	24.00
7	4/16	0.88	0.20			2,338,924	1	1			314,224				1	2,653,152	24.00
8	4/16	0.01	0.01			790,138	1	1			10,735				1	800,877	24.00
9	4/16					192,410	1	1							1	192,413	22.25
10	4/20					20,814										20,814	9.75
11	4/27	0.12	0.10			5,410										5,410	0.75
12	4/29	0.83	0.12			69,408										69,408	6.75
13	4/30	0.22	0.09			46,521										46,521	3.00
14	5/16	1.27	0.31	1,452		225,247									1	226,702	7.50
15	5/18	0.46	0.06			1,331										1,331	0.75
16	6/4	1.32	0.24	795		194,288									1	195,085	5.00
17	6/5	0.23	0.11			17,336										17,336	1.75
18	6/27	1.90	1.66	5,232		461,316	58,022				144,101				1	668,673	3.50
19	7/6	0.59	0.58	885		164,112	885								1	165,885	3.75
20	7/12	0.25	0.14			15,886										15,886	0.50
21	7/13	0.26	0.25	369		68,505	369								1	69,245	0.75
22	7/18	0.29	0.18	118		28,711										28,829	1.25
23	7/18	0.38	0.12			14,417										14,417	1.50
24	7/20	0.58	0.38	1,579		141,048									1	143,878	2.50
25	7/27	0.21	0.21	716		96,738									1	97,456	0.75
26	7/29	0.08	0.08			26,108										26,108	1.00
27	8/3	1.50	0.54	4,599		459,439	1				40,561				1	504,602	6.00
28	8/3	0.13	0.12	38		6,246										6,285	0.50
29	8/6	1.01	0.75	4,462		285,633	1				27,664				1	317,762	3.00
30	8/8	0.51	0.34	672		122,115					2,023				1	124,812	6.50
31	8/16	0.19	0.19	180		20,372										20,552	2.25
32	8/17	0.49	0.43	1,569		74,804	1,305								1	77,680	1.75
33	8/18	0.13	0.13			5,147										5,147	1.00
34	8/24	0.48	0.15			14,754	1								1	14,756	2.50
35	8/25	0.30	0.28	936		61,148									1	62,086	1.50
36	8/30	0.32	0.16	1		8,386										8,387	2.75
37	9/9	0.73	0.21	1		15,947										15,948	2.25
38	9/10	0.03	0.03	1												1	1.50
39	9/11	0.46	0.13	1		8,449										8,450	6.25
40	9/15	0.36	0.20	1		32,490										32,491	2.25
41	9/26	0.06	0.05	1												1	0.75
42	9/28	0.12	0.05	1												1	2.75
43	10/6	0.22	0.15	1		2,403										2,404	0.75

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY("1")												EVENT OVERFLOW GALLONS	EVENT DURATION HRS
		TOTAL INCHES	MAX. HR INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dinamore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: MH #5 NUMBER: 010A					
44	10/12	3.56	0.63		1	1,145,057	1				69,840				1,214,901	17.50	
45	10/19	0.69	0.41		1	147,289									147,290	2.75	
46	10/19	0.48	0.15		1	89,794									89,795	5.25	
47	10/27	1.01	0.22		1	128,934					1,000				129,935	18.25	
48	10/27	0.01	0.01		1	7,656									7,656	6.75	
49	11/3	1.31	0.20		1	448,225									448,226	8.00	
50	11/3	0.06	0.06		1	12,879									12,880	11.75	
51	11/6	1.24	0.32		1	326,413									326,414	10.75	
52	11/15	2.02	0.29		1	522,026									522,027	16.75	
53	11/15	0.68	0.13		1	220,383									220,384	17.25	
54	11/26	0.40	0.11		1	4,310									4,312	3.50	
55	11/26	0.23	0.16		1	20,657									20,658	3.50	
TOTALS		32.58			26,467	11,501,926	60,590	5	5		1,483,217	2,281,473	15,353,694				
		Total block trips															
		Historical flow per event ('02 - '07)															
		ESTIMATED FLOW TOTALS															
					19		8	5	15			16					
					11,000		40,500	34,500	22,500			325,000					
					235,448	11,501,926	384,582	172,500	337,500		1,483,217	7,481,457	21,596,631				

Note 1: Flow data should be listed as gallons per day. Storms lasting more than one day should show total flow for each day.

Note 2: Block activity should be shown as a "1" if the block floated away.

Note 3: Estimated flow total determined by multiplying number of block trips x historical flow per event and adding measured flow volume

Doc Num: DEPLW0462

Csoflows.xls (rev. 12/12/01)

# MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

## CSO ACTIVITY AND VOLUMES

MEPDES/NPDES PERMIT NO. ME0100625  
 SIGNED BY: Brent Dickey DATE: 1/26/2009

MUNICIPALITY OR DISTRICT: Skowhegan Water Pollution Control  
 REPORTING YEAR: 2008  
 INCHES: 65.72

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")										EVENT OVERFLOW GALLONS	EVENT DURATION HRS	
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Dinsmore St NUMBER: 006	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: CSO Tank NUMBER: 010				
1	3/8	1.67	0.38					1,000						1,938,000	1,939,000	11.58
2	3/8	0.01	0.01		1									2,429,000	2,429,001	24.00
3	3/8				1									163,000	163,001	2.75
4	4/8													2,355,000	2,355,000	21.85
5	4/8													2,742,000	2,742,000	24.00
6	4/8													2,950,000	2,950,000	24.00
7	4/8	0.19	0.12					22,000						2,976,000	2,976,000	24.00
8	4/8	0.23	0.19		1									3,396,000	3,418,001	24.00
9	4/8													3,012,000	3,012,000	24.00
10	4/8													2,918,000	2,918,000	24.00
11	4/8													2,933,000	2,933,000	24.00
12	4/8													2,924,000	2,924,000	24.00
13	4/8													2,925,000	2,925,000	24.00
14	4/8													2,434,000	2,434,000	24.00
15	4/8													2,023,000	2,023,000	24.00
16	4/8													1,741,000	1,741,000	24.00
17	4/8													1,328,000	1,328,000	24.00
18	4/8													1,047,000	1,047,000	24.00
19	4/8	0.25	0.16						1,926					7,000	7,001	0.18
20	4/28	1.21	0.22					666,000	105,071			662,781		24,000	25,927	0.15
21	4/28	2.73	0.38					9,000	194					1,122,000	2,555,853	24.00
22	4/28													9,194	9,194	2.07
23	5/3	0.35	0.08											1	1	5.25
24	5/21	0.16	0.09											1	1	0.75
25	5/31	1.01	0.38						3,181					3,182	3,182	4.00
26	6/1	0.07	0.06											61,000	63,975	1.75
27	6/3	0.82	0.45						2,974					1	1	1.75
28	6/3	0.23	0.08											2,771	2,771	3.75
29	6/10	0.93	0.41						2,779					6,037	6,037	1.00
30	6/19	0.56	0.39											17,380	17,380	1.75
31	6/20	0.47	0.46					7,000						1,543	1,543	1.00
32	6/29	0.46	0.23											27,233	27,233	1.75
33	6/30	0.66	0.66											1	1	
34	7/18	0.64	0.23											685,000	693,336	6.20
35	7/20	1.79	0.47						8,334					395,000	395,000	6.22
36	7/20	0.01	0.01											924,767	924,767	9.68
37	7/24	1.07	0.50						2,766					24,000	24,000	0.43
38	7/24	0.01	0.01											575,000	575,830	6.48
39	7/27	0.54	0.38						830					436,000	436,000	7.08
40	7/27	0.02	0.02											1	1	
41	7/29	0.40	0.37					3,000	6,130					942,000	951,131	5.70
														745,000	745,000	5.83



# MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

## CSO ACTIVITY AND VOLUMES

MEPDES/NPDES PERMIT NO. **ME0100625**  
 SIGNED BY: **Brent Dickey** DATE: **1/26/2010**

MUNICIPALITY OR DISTRICT: **Skowhegan Water Pollution Control**  
 REPORTING YEAR: **2009**  
 YEARLY TOTAL PRECIPITATION: **52.77** INCHES

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")												EVENT OVERFLOW GALLONS	EVENT DURATION HRS
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: CSO Tank NUMBER: 010						
1	2/12	0.71	0.25			174,000									174,000	4.48	
2	3/29	0.65	0.19				1,000								1,000	0.10	
3	4/3	0.67	0.26				1,000								1,000	0.65	
4	4/6	1.40	0.37				96,000						119,187		1,205,188	8.23	
5	4/6	0.27	0.08				1,000								424,000	6.48	
6	6/18	0.53	0.22				8,721								8,721	2.25	
7	6/18	2.27	0.46				78,258						17,528		1,267,786	11.00	
8	6/26	0.36	0.28												95,000	0.97	
9	8/21	0.69	0.55			6,000									8,670	0.75	
10	10/3	1.33	0.40				2,670								9,550	2.50	
11	10/7	0.83	0.18				9,550								37,520	3.25	
12	10/24	2.39	0.47				37,520								590,862	11.00	
13	11/14	2.53	0.42				32,313						66,549		1,629,639	10.50	
14	11/14	0.03	0.02				63,909						78,053		430,000	9.88	
15	11/20	0.99	0.37				16,498						3,845		21,347	4.00	
16	12/3	0.82	0.30				45,857						9,113		54,970	8.25	
17	12/27	1.39	0.32				1						1		2		
		17.86				180,000	295,298	139,000				294,276	5,044,000		5,959,255	84.29	
		Total block trips					2					1					
		Average flow per event 2009					32,811	23,167				49,046	720,571				
		ESTIMATED FLOW TOTALS					360,917	139,000				343,321	5,044,000		6,073,919		

Doc Num: **DEPLW0462** Csoflows.xls (rev. 12/12/01)

- Note 1: Flow data should be listed as gallons per day. Storms lasting more than one day should show total flow for each day.
- Note 2: Block activity should be shown as a "I" if the block floated away.
- Note 3: ESTIMATED FLOW TOTALS determined by multiplying number of block trips x average measured flow per event and adding measured flow volume
- Note 4: North side event on 2/12 caused by Highway Department opening multiple storm drains downtime in a short timeframe to relieve street flooding
- Note 5: Elm Street PS power failure on 3/29 at approximately 20:15 hrs. CSO event may have been averted if power failure had not occurred
- Note 6: Community Driving School service redirected to Water St November '09, no sanitary flow from downtown crossing N Channel Bridge (CSO 009)
- Note 7: Events 3, 4 & 5 caused by rain and significant snow melt

# MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

## CSO ACTIVITY AND VOLUMES

MUNICIPALITY OR DISTRICT: **Skowhegan Water Pollution Control**  
 REPORTING YEAR: **2010**  
 YEARLY TOTAL PRECIPITATION: **49.92** INCHES

MEPDES / NPDES PERMIT NO.: **ME0100625**  
 SIGNED BY: **Brent Dickey** DATE: **2/10/2011**

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")												EVENT OVERFLOW GALLONS	EVENT DURATION HRS
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: CSO Tank NUMBER: 010						
1	1/25	1.40	0.37				63,932	10,000			70,313	1,004,000		1,148,245	10.50		
2	2/25	1.57	0.25				18,945							18,945	8.00		
3	3/23	1.79	0.21				31,678	4,000						35,678	13.50		
4	3/29	1.74	0.21				27,786	23,000			10,020			60,806	13.75		
5	3/29	0.79	0.13				9,924	328				67,000		77,252	6.50		
6	3/29	0.36	0.12				13,799	63,000				757,000		833,799	7.25		
7	4/9	1.01	0.16				5,476							5,476	2.50		
8	4/23	0.91	0.22				5,252							5,252	3.25		
9	6/3	0.38	0.26				2,533							2,533	1.25		
10	6/5	0.50	0.18				516							516	1.75		
11	6/6	0.89	0.21				1,886							1,886	2.50		
12	6/20	1.22	1.17			10,000	1	24,000			16,719	67,000		117,721	1.50		
13	8/10	0.41	0.39			12,000	6,265							18,266	0.75		
14	8/25	0.94	0.23			1,806	17,563							19,369	2.25		
15	9/3	1.90	0.69			23,047	44,409	13,000			26,365	368,000		475,821	4.25		
16	9/3	0.32	0.30			5,105	12,374	9,000			9,112	454,000		489,591	3.38		
17	10/14	0.69	0.26			5,006								5,006	2.75		
18	10/14	1.73	0.39			2,048		3,000			70,491	133,000		208,540	5.00		
19	10/27	0.86	0.40			1,504	36,298				14,450			52,252	5.00		
20	11/7	1.74	0.35			1,583	59,806	84,000			139,049	605,000		889,438	7.50		
21	11/17	1.69	0.46			71,800	102,968	33,000			105,623	474,000		787,390	12.00		
22	12/12	2.67	0.40			4,440	32,813	147,000			62,682	1,526,000		1,772,935	7.75		
23	12/13	0.59	0.11				14,878	33,000			13,380	401,000		462,258	8.50		
		<b>26.10</b>				116,341	494,224	446,328			538,203	5,856,000		7,474,096	115.13		
		Total block trips				2	2										
		Average flow per event (current year)				12,927	25,455										
		ESTIMATED FLOW TOTALS				142,192	545,132	446,328			538,203	5,856,000		7,550,855			
		Percent of Total Flow				2%	7%	6%			7%	78%					

Doc Num: DEPLW0462 Csoflows.xls (rev. 12/12/01)

- Note 1: Flow data should be listed as gallons per day. Storms lasting more than one day should show total flow for each day.
- Note 2: Block activity should be shown as a "1" if the block floated away.
- Note 3: Estimated flow total determined by multiplying number of block trips x historical flow per event and adding measured flow volume
- Note 4: Event #1 caused by rain and significant snow melt
- Note 5: Flo-Tote battery depleted at Island Ave 6/20 & 8/10. CSO activity assumed for 6/20 due to storm intensity, less certain for storm of 8/10
- Note 6: Flo-Tote battery depleted at Joyce St 10/15 & 11/4. Block tripped.
- Note 7: Flo-Tote velocity readings erratic at Island Ave 11/4

CSO EVENT NO.	START DATE OF STORM	PRECIP. DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")											
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: CSO Tank NUMBER: 010	EVENT OVERFLOW GALLONS	EVENT DURATION HRS		
				2005	2006	2007	2008	2009	2010						
				65.57	48.14	49.59	65.72	52.77	49.92						
				551,160	506,500	475,030	539,101	440,923	398,844						
				28,281	9,492	15,785	13,079	17,500	27,585						
				47,873	31,314	21,596	61,963	6,074	7,551						
				627,314	547,306	512,411	614,143	464,497	433,980						
				341	252	148	98	17	23						
				50	29	40	45	44	49						
							60,591	5,363	6,325						
							1,339	0,704	1,083						

Total Rainfall  
 Total Flow, Secondary (MG)  
 Total Flows, Storm Flow (MG)  
 Total Flows, Untreated CSOs (MG)  
 Total Flows (MG)  
 Total CSO Discharge Days  
 Total Storm Flow Discharge Days

N Side Discharge (MG) CSO#3, #5, #10  
 S Side Discharge (MG) CSO#4, #8

**MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CSO ACTIVITY AND VOLUMES**

MUNICIPALITY OR DISTRICT: **Skowhegan Water Pollution Control**  
 REPORTING YEAR: **2011**  
 YEARLY TOTAL PRECIPITATION: **45.57** INCHES  
 MEPPDES / NPDES PERMIT NO.: **ME0100625**  
 SIGNED BY: **Brent Dickey** DATE: **1/30/2012**

CSO EVENT NO.	START DATE OF STORM	PRECIP DATA		FLOW DATA (GALLONS PER DAY) OR BLOCK ACTIVITY ("I")												EVENT OVERFLOW GALLONS	EVENT DURATION HRS	
		TOTAL INCHES	MAX. HR. INCHES	LOCATION: Water St NUMBER: 002	LOCATION: Island Ave NUMBER: 009	LOCATION: North Side NUMBER: 003	LOCATION: Joyce St NUMBER: 004	LOCATION: Elm St NUMBER: 005	LOCATION: Bush St NUMBER: 007	LOCATION: South Side NUMBER: 008	LOCATION: CSO Tank NUMBER: 010							
1	3/6	2.09	0.24				56,252										56,253	16.25
2	3/6	0.38	0.14		50,544												456,545	12.50
3	3/10	0.34	0.12		5,372												5,372	1.75
4	3/10	0.79	0.19		705												740,705	6.73
5	3/18		Snow Melt Only				14,973										14,973	2.75
6	4/13	1.06	0.21		6,482		6,651										13,133	4.75
7	4/16	0.88	0.29		4,398		4,398										4,399	2.00
8	4/16	0.97	0.41		937		27,512		115,000								1,956,450	14.22
9	5/15	1.33	0.23			3,000	1,247										4,248	1.25
10	7/4	0.25	0.25		320												321	0.50
11	7/6	0.33	0.31		639												640	0.50
12	7/8	0.33	0.26		717												717	1.50
13	7/26	0.64	0.38															
14	8/21	1.16	0.49		1	16,000											16,002	0.40
15	8/27	1.51	0.78		2,328	9,000											50,010	3.75
16	8/27	1.78	0.56		3,820	34,000	2,977										52,521	4.50
17	9/5	1.01	0.34		658	17,000	8,740		1,000								938,085	6.00
18	10/2	1.12	0.63		4,519	8,000	11,850										31,671	3.25
19	10/14	1.01	0.35		1,637	61,000											136,240	1.70
20	11/10	0.71	0.21		2,856												12,334	1.50
21	12/27	0.63	0.16														9,001	0.50
		18.32														88.13		
		Total block trips																
		Avg flow/ measured event (current year)																
		ESTIMATED FLOW TOTALS																
		Percent of Total Flow																
				1%	3%	3%	6%	3%	3%	6%	7%	1%	7%	3%	3%	7%	81%	81%
				24,914	148,000	148,000	191,229	125,000	173,479	3,837,000	4,499,621	173,479	3,837,000	4,499,621	173,479	3,837,000	4,499,621	88.13
				1			7											
				2,265	21,143	21,143	15,935	41,667	28,912	959,250	28,912	959,250	959,250	28,912	959,250	959,250	81%	
				27,179	148,000	148,000	302,774	125,000	318,040	3,837,000	318,040	3,837,000	3,837,000	318,040	3,837,000	3,837,000	81%	
				1%	3%	3%	6%	3%	3%	6%	7%	1%	7%	3%	3%	7%	81%	81%

Note 1: Flow data should be listed as gallons per day. Storms lasting more than one day should show total flow for each day.  
 Note 2: Block activity should be shown as "I" if the block floated away.  
 Note 3: Estimated flow total determined by multiplying number of block trips x measured flow per event and adding total measured flow volume  
 Note 4: Event #1, 2 & 3 caused by rain and significant snow melt  
 Note 5: Battery missing from S Side Flo-Tote during March 6 - 7 storm (vandals)  
 Note 6: No flow recorded by S Side Flo-Tote 4/16 or 4/17 but blocks were found tripped on post-storm inspection  
 Note 7: No Joyce St data 5/18 - 6/8, Flo-Tote upload error, could not salvage file  
 Note 8: Batteries depleted on Island & Joyce St Flo-Totes during storm of 7/26. No block at Island but overflow presumed based on storm intensity  
 Note 9: Joyce Flo-Tote not responding to flow 10/2, estimate of duration from SCADA trend showing influent channel level > 14.1 inches for 1.7 hrs