

MAINE COMBINED SEWER OVERFLOW 2011 STATUS REPORT

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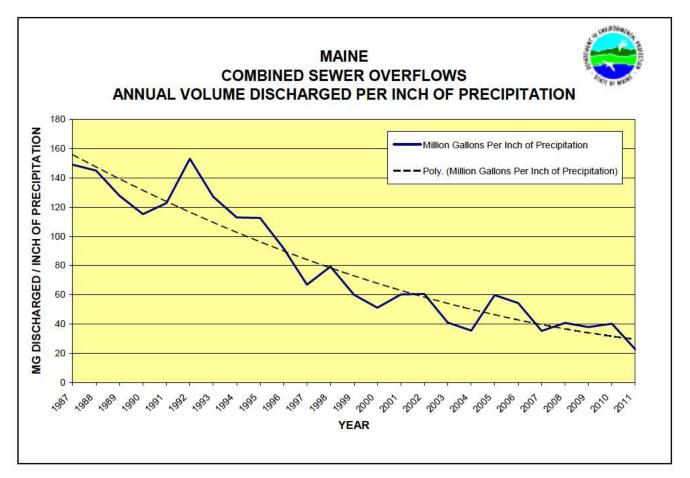


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INTRODUCTION

The purpose of this report is to inform the Combined Sewer Overflow (CSO) Communities and the general public on the status of the CSO program in Maine.

This information is compiled from various documents and reports submitted to the Maine Department of Environmental Protection by the CSO Communities (City/Town/District) or their consultants on their behalf. A majority of the information comes from the CSO Master Plans (a.k.a. Long Term Control Plans), Sewer System Evaluation Studies, Infiltration/Inflow Reports, Annual CSO Progress Reports, and general correspondence.

At the start of any CSO Community's abatement program, initial flow data was collected to estimate the existing discharge volumes and frequencies, define the problems, and establish a corrective course of action. This often occurred over a relatively short period of time (a year or two) and may not have captured as many good wet weather events as desired. However, this data was the best available information at the time and established the overflow baselines that are used within this report. Since then, CSO flow monitoring plans have continued to improve and overall data reliability has increased, giving the program better data for specific yearly wet weather patterns.

WHAT ARE CSOS?

- Combined Sewer Overflows (CSOs) are discharges of untreated wastewater from municipal sewerage systems that carry mixtures of sanitary sewage, storm water, and sometimes industrial wastes.
- They occur mostly during and after rain events or snowmelt. Flows within the combined sewer system during these wet weather events can be as high as fifty (50) times the normal dry weather flows.
- Large volumes of water entering the combined sewer system (CSS) through catch basins, old and leaky pipes, roof drains, cellar drains, sump pumps, and other sources can cause the capacity of the system to be exceeded.
- Hydraulic relief points within the CSS allow the excess flows to be discharged. These relief points are generally near pump stations and river crossings.
- Excess volumes of combined sewage can also cause treatment facility upsets, street flooding, and back-ups into basements.

WHAT ARE THE IMPACTS OF CSOS?

- Currently in Maine there are 32 communities (towns or cities) with CSO discharge points in their sewerage systems (down from an original 60). These communities collectively have 163 individual CSO discharge points (down from an original 340).
- The frequency of discharges varies greatly from community to community, ranging from seldom to occurring in response to all but the smallest rain storms.
- In large communities hundreds of millions of gallons per year of untreated combined sanitary sewage and storm water may be discharged. Statewide, approximately 1.0 to 2.0 billion gallons are discharged annually from CSOs (down from an estimated original volume of 6.2 billion gallons).
- CSOs discharge untreated combined sewage to receiving waters that vary in size from the ocean and large rivers to small streams and drainage creeks.
- Water quality is impaired by the addition of floatables, bacteria, and sometimes industrial pollutants.
- Shellfishing areas and beaches can be closed and drinking water supplies threatened.

WHAT IS A CSO COMMUNITY?

- CSO Communities are permitted dischargers of combined sanitary and storm waters. The Department of Environmental Protection issues CSO permittees a wastewater discharge license that requires them to implement EPA's Nine Minimum Control Best Management Practices (BMPs), develop a Long Term Control Plan (LTCP) (a.k.a. Master Plan) to eliminate or abate their overflows, and finally to implement the plan and bring them into compliance with EPA's April 19, 1994 Combined Sewer Overflow (CSO) Control Policy.
- Special Conditions in their Maine Pollutant Discharge Elimination System (MEPDES) permit require all CSO permittees to submit an Annual CSO Progress Report to the Department for the previous year by March 1st.
- The Progress Report documents the Community's efforts to comply with the Nine Minimum Controls, and collects pertinent fiscal and logistical information about their CSO abatement program. This information is used to track their CSO abatement progress and gather state-wide information on the CSO program and fiscal needs.

WHERE DID WE START?

- The CSO movement started in 1989 with the clarification of the Clean Water Act through the publication of the National CSO Control Strategy by the Environmental Protection Agency (EPA).
- At that time the State had about 60 CSO Communities that discharged an estimated 6.2 billion gallons of combined wastewater and storm water during wet weather events.
- Statewide it was estimated that overflow events happened approximately 1,700 times a year through approximately 340 different CSO outfalls.
- On April 19, 1994 EPA issued a national policy statement entitled "Combined Sewer Overflow (CSO) Control Policy." This policy provides guidance to permittees with CSOs, and State permit and water quality standards authorities on coordinating the planning, selection, and implementation of CSO controls that meet the requirements of the Clean Water Act (CWA).
- In February 2000, the Maine Department of Environmental Protection Chapter 570 Rules, entitled "Combined Sewer Overflow Abatement," became effective. This chapter establishes procedures for CSO evaluation, preparation of an abatement plan, and sets forth minimum controls to reduce CSOs while longrange plans are being completed.
- In December 2000, as part of the Consolidated Appropriations Act for Fiscal Year 2001 (P.L. 106-554), Congress amended the Clean Water Act (CWA) by adding Section 402(q), commonly referred to as the Wet Weather Water Quality Act of 2000. Section 402(q) requires that each permit, order, or decree issued pursuant to the CWA for a discharge from a municipal combined sewer system shall conform to the CSO Control Policy.

WHAT IS BEING DONE TO ABATE CSO DISCHARGES?

- All of Maine's CSO Communities have completed or are working on updates to their comprehensive CSO studies or facilities plans. These plans are often referred to as Master Plans (MPs) or Long Term Control Plans (LTCPs). These documents define the magnitude of the CSO discharges, their impacts on the environment, and evaluate a range of abatement control alternatives and their financial impacts.
- Abatement projects have reduced untreated discharges in all of the CSO Communities. A number of communities have eliminated their CSO discharges entirely and are no longer licensed to discharge untreated combined sewage during wet weather.

 <u>Statewide, CSO Communities report that they have invested a total of \$415.1</u> million in CSO abatement (\$33.9 million in 2011) and anticipate the CSO needs for the next five years to be \$142.7 million. Beyond five years, the expected need to bring them into compliance with the CSO Control Policy is an additional \$200+ million.

WHERE ARE WE NOW? – 2011 STATUS

- 1) Maine started 2011 with 32 CSO Communities and finished the year with 32 communities. A complete listing of Maine's CSO Communities, their number of CSO outfalls and the outfall receiving waters is listed on page 8.
- 2) The volume of combined sewage discharged statewide in 2011 was reported at 1.14 billion gallons. The table on page 9, Maine CSO Community Flow Data, contains a historic listing of the yearly overflows from each CSO Community. The 2011 CSO Flow Comparison pie chart on page 16 and the 2011 CSO Flow Comparison by Community bar chart on page 17 are graphical comparisons of the overflow volumes between the CSO Communities.
- 3) In 2011, the CSO Communities reported a total of 576 overflow event days. This total is arrived at by summing the number of days that each CSO Community experienced an overflow event. An overflow event is any calendar day in which one or more CSOs within a community discharge. The table on page 10, Maine CSO Community Annual Number of CSO Discharge Events, contains a historic listing of the annual number of CSO discharge events for each CSO Community.
- 4) Twenty-six (26) of the 32 CSO Communities reported experiencing at least one combined sewer overflow discharge in 2011, while six (6) reported no overflows.
- 5) In 2011, twenty (20) CSO communities reported discharging less in 2011 than in 2010, five (5) reported discharging more, and one (1) reported the same discharge this year as last year. The maximum number of days that overflow events were reported from a single community was 100. The average (mean) number of discharge events for all communities was 17 events and the median was 6 events. Additional information is given in the table on page 10.
- 6) The volume and frequency of CSO discharges varies from one wet weather event to another based on existing groundwater conditions, frozen or thawed ground, snowmelt, and rainfall volume, duration, and intensity. To evaluate abatement progress it is best to look for an overall trend in reduction, versus trends from year to year. The chart on page 11, Combined Sewer Overflow Volume Discharged, illustrates an overall downward trend in the CSO volumes being discharged annually. <u>Since 1989, the volume of combined sewage</u> <u>discharged has decreased by approximately 80%</u>. This is stated as an approximation because of the correlation of overflow volumes to variations in annual weather patterns.

- Similarly, the chart on page 12, Combined Sewer Overflow Annual Number of Discharge Events, shows a downward trend in the number of overflow days per year. <u>Since 1989, the number of overflow days has decreased by approximately</u> <u>65%</u>, once again stated as an approximation.
- 8) In 2011 Maine CSO Communities reduced the total number of CSO discharge locations by one (1), down from 164 to 163. Reductions were in the communities of Auburn (1) and Lewiston (2). Although there were three (3) discharge points removed, two (2) previously closed CSO discharge locations were reopened this year in Bangor. A CSO regulator location was removed in Saco, however, credit was not taken, since it shared an outfall pipe which remains active. The chart on page 13, Maine Statewide Number of CSO outfalls since 1989.
- 9) Trying to compare CSO abatement progress from year to year is difficult because of the number of conditions that influence the volume and frequency of overflows, not the least of which is yearly precipitation patterns. To partially compensate for the fluctuation in yearly precipitation patterns, the total volume of combined sewage discharged has been unitized by taking into consideration the average annual precipitation amount for the CSO communities. The average annual precipitation amount for all of the communities was calculated by applying a weighted precipitation amount, based on their percentage of the total statewide overflow volume, to each community's annual precipitation amount and then summing the total. The chart on page 14, CSO Annual Volume Discharged per Inch of Precipitation, illustrates this and shows a continual downward trend in the volume of combined sewage discharged per inch of annual precipitation. Since 1989, overflow volumes have decreased from approximately 128 million gallons per inch of precipitation to 35 - 40 million gallons per inch of precipitation - 23 million in 2011. Although this type of analysis is rough, it is a good indicator of the CSO abatement progress that is being made.
- 10) The average annual precipitation for all of Maine's CSO Communities is approximately 45 inches. In 2011, the annual precipitation for the CSO Communities varied significantly from 34.3 58.2 inches. The Yearly CSO Volumes and Precipitation chart on page 15 shows a comparison between annual CSO volumes and yearly precipitation. The graph shows that CSO volumes tend to follow the yearly ups and downs in precipitation levels. The chart shows a continuing widening of the gap (trend lines) between the yearly precipitation amount and the yearly volume of combined sewage discharged. This widening gap clearly indicates that CSO abatement is being accomplished and that overflow volumes are becoming less influenced by precipitation events.
- 11) 2011 was another above average precipitation year (50.18"), slightly above last year's weighted average of 49.8". As a result of ongoing CSO abatement work and possibly changes in precipitation intensities and frequencies, the statewide

volume of CSO discharges decreased by 863 million gallons or 43.1%, from 2.003 billion gallons in 2010 to 1.140 billion gallons in 2011.

- 12) The CSOs from the City of Portland and the Portland Water District in the Portland area comprised approximately 44% of the State's total overflow volume in 2011; see the CSO Flow Comparison Pie Chart on page 16. Given the large impact that Portland's data has on the State's total, it might be prudent to look at the rest of the state without utilizing Portland's data. After removing Portland's overflow data from the state total, the overflow volume for the remaining CSO Communities decreased by 47.3% from 1.223 billion gallons in 2010 to 0.644 billion gallons in 2011.
- 13) In 2011, the top twelve (12) dischargers accounted for approximately 98% of the total volume of combined sewage discharged in the State, while the remaining fourteen (14) communities that discharged accounted for approximately 2%. See the CSO Flow Comparison Pie Chart on page 16.
- 14) Abatement of CSOs is a costly endeavor. To date Maine CSO Communities have reported expending \$415.1 million implementing their CSO abatement projects. In the 2011 Annual CSO Progress Reports submitted to the State, these communities reported expending \$33.9 million on abatement work in 2011. It is estimated that the future needs of these communities to complete their CSO abatement plans totals \$340+ million in 2011 dollars.
- 15) CSO abatement progress can not be measured solely by comparing the volumes discharged from one year to the next. The reason is that the volume discharged is influenced by variations in precipitation amount, intensity and timing, the rate of snow melt, frozen or thawed ground, and existing groundwater levels. Even given the same annual precipitation, no two years would result in the same volume of CSO discharges based on these variables.
- 16) The relationship between the annual precipitation and the annual volume of combined sewage discharged is not linear. As a general rule, as precipitation levels increase, the volume of combined sewage discharged also increases per inch of precipitation. Simply put, once the capacity of the combined sewer system is reached, any additional rainfall or snowmelt overflows the already inundated system.
- 17) Different wet weather conditions and precipitation patterns also affect individual CSO Communities differently. This is due mostly to the make up of the sewer system, the number of catch basins connected, the area of impermeable surface, and the specific hydraulic restriction(s) causing the overflows, to name just a few. The overflows in some communities are more susceptible or responsive to intense summer storms, while in other communities it might be high ground water. Direct comparisons between various communities should not be made.
- 18) It is well established that CSOs can and do have impacts on beach and shellfish closures. Stating that a specific CSO event or series of events is responsible for a specific closure is more difficult and will not be attempted in this report. In

some areas there are a number of other factors that might enter into a beach or shell fishing area being closed. These are, but not necessarily limited to, urban storm water runoff, malfunctioning septic systems, domestic and non-domestic animal waste, agricultural runoff, and bathers, to name just a few. What is assessed in the Annual Reports is which beach and shell fishing areas may be impacted by the CSOs.

In 2011, six (6) CSO Communities listed eleven (11) beach areas that could be impacted by their CSO discharges. They were: Bar Harbor (Town Beach off Town Pier & Hulls Cove); Biddeford (Hills Beach, Biddeford Pool & Camp Ellis); Cape Elizabeth (Cliff House Beach, Casino Beach & Fort Williams Park); Portland (East End Beach); South Portland (Willard Beach); and Calais (Red Beach – though not considered a swimming beach). In 2011, the following beach closures or advisories were reported to the Maine Healthy Beaches website, though not specifically identified as being caused by CSO activity (East End, 7 advisories).

In 2011, five (5) CSO Communities listed shell fishing areas that were closed in their area (Bar Harbor, Calais, Machias, Portland and South Portland). Three (3) of these communities (Bar Harbor, Machias and Portland) reported that the closures were caused in whole or in part by CSO activity.

19) The chart on page 18 – 2011 CSO Watershed Flows, shows a graphical representation of the CSO volumes discharged by watershed. In 2011, Casco Bay received approximately 46% of the statewide CSO volume discharged, followed by the Penobscot River at 25.3%, the Androscoggin River at 18.5%, the Kennebec River at 4.5%, the Saco River at 3.8%, and the St. Croix River at 1.5%. Discharges to the St. John River, Frenchman Bay, the Machias River, and Penobscot Bay account for the remaining ~0.5% of combined sewer overflow volume. The Table on page 19 – CSO Annual Watershed Flows, shows the actual CSO volumes by discharger associated with the individual watersheds for 2011, as well as for the previous four years.

MAINE - COMBINED SEWER OVERFLOW (CSO) COMMUNITY LIST (As of December 31, 2011)



	COMMUNITY/PERMITTEE	CSOs	Number of CSOs & Receiving Water
1.	AUBURN SEWERAGE DISTRICT	2	3-Androscoggin Rv.
2.	BANGOR	9	3-Kenduskeag Str., 4-Penobscot Rv.
3.	Bar Harbor (Hulls Cove)	1	1-Frenchman Bay
4.	Bar Harbor (Main Plant)	3	2-Frenchman Bay, 1-Eddie Brook
5.	Ватн	4	4-Kennebec Rv.
6.	Belfast	2	2-Passagassawakeag River/Belfast Harbor
7.	Biddeford	10	9-Saco Rv., 1-Thatcher Bk.
3.	Brewer	5	4-Penobscot River, 1-Sedgeunkendunk Str.
9.	BUCKSPORT	1	1-Penobscot Rv.
10.	CALAIS	5	4-St. Croix Rv., 1-Landing Brook
11.	CAPE ELIZABETH – Ottawa Road PS (Co-Permittees - So. Portland, PWD, & Cape Eliz.)	1	1-Atlantic Ocean
12.	FAIRFIELD	2	2-Kennebec Rv.
3.	Gardiner	1	1-Kennebec Rv.
14.	GREATER AUGUSTA UTILITY DISTRICT (GAUD) (Includes Hallowell Sanitary Sewers & CSO)	22	4-Bond Bk., 1-Kennedy Bk., 16-Kennebec Rv., 1-Whitney Bk.
15.	HAMPDEN	1	1-Souadabscook Str.
16.	KENNEBEC SANITARY TREATMENT District (KSTD)	3	3-Kennebec Rv.
17.	LEWISTON	18	8-Androscoggin Rv., 1-Gully Bk., 1 -Hart Bk., 10-Jepson Bk.
18.	LEWISTON-AUBURN Water Pollution Control Authority (LAWPCA)	1	1-Androscoggin Rv.
19.	Machias	2	2-Machias Rv.
20.	Madawaska	2	2-St. John Rv.
21.	MECHANIC FALLS SANITARY DISTRICT	3	3-Little Androscoggin Rv.
22.	Milford	1	1-Penobscot Rv.
23.	Old Town	3	2-Penobscot Rv., 1-Stillwater Rv.
24.	Orono	1	1-Penobscot Rv.
25.	Paris UD	1	1-Little Androscoggin Rv.
26.	Portland – CITY	11	6-Back Cove, 2-Capisic Bk., 2-Portland Harbor., 1-Nason Bk. (marsh)
27.	Portland – Portland Water District (PWD)	21	9-Back Cove, 3-Casco Bay, 7-Fore Rv., 2- Portland Harbor
28.	RANDOLPH	1	1-Kennebec Rv.
29.	SACO	4	1-Bear Bk., 3-Saco Rv.
30.	SANFORD SANITARY DISTRICT	1	1-Mousam Rv.
31.	Skowhegan	7	7-Kennebec Rv.
32.	SOUTH PORTLAND	6	1-Barberry Ck., 1-Fore Rv., 1-Calvery Pond., 2-Portland Hbr., 1-Long Creek
33.	WESTBROOK	5	5-Presumpscot Rv.
34.	WINSLOW	2	2-Sebasticook Rv.
35.	WINTERPORT SEWERAGE DISTRICT	1	1-Penobscot Rv.

35 CSO Permits, permitting 32 CSO Towns/Cities

Two or more permits in one CSO Town/City Two CSO Towns/Cities covered in one permit Bold = 10 communities with sewer system only. Sewers discharge to a POTW controlled by another entity.

MAINE CSO COMMUNITY FLOW DATA

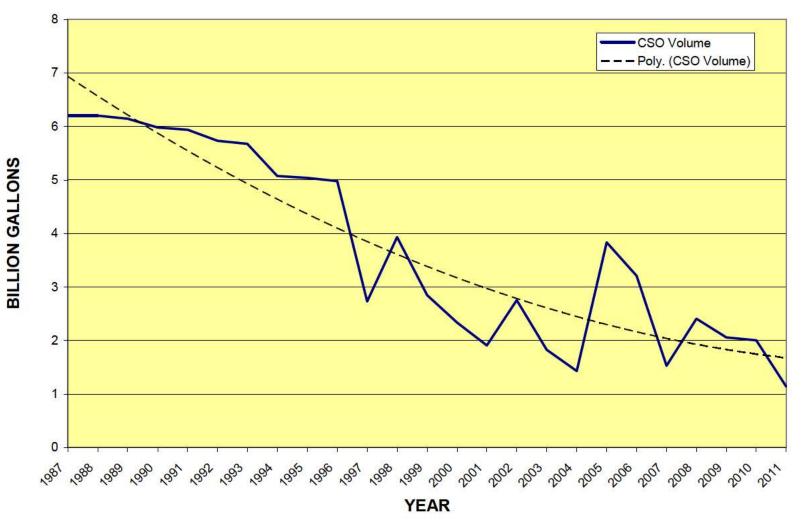
No longer o CSO Commu										Annua	l Volumes (Gal	lons)									
No longer a CSO Commu	mity										Year										
Community	NPDES Permit No.	1987	1988	1989	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Auburn S D.	ME0100005	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	78,340,742	102,297,387	199,674,605	66,307,631	19,197,928	4,687,316	37,155,818	28,936,137	23,622,547	23,984,272	19,440,841	12,952,500	19,234,856
Bangor	ME0100781	635,000,000	635,000,000	635,000,000	416,000,000	344,000,000	317,730,000	329,000,000	285,910,000	230,190,000	88,430,000	161,000,000	204,000,000	193,870,000	303,160,000	272,750,000	150,580,000	378,640,000	347,360,000	389,300,000	146,000,000
Bar Harbor	ME0101214 & ME0102466	32,000,000	32,000,000	32,000,000	14,700,000	14,700,000	13,160,915	1,919,628	17,627,806	4,730,155	384,531	2,729,389	2,845,621	290,133	13,661,958	5,102,820	8,719,436	12,601,889	11,935,337	6,930,405	2,563,669
Bath	ME0100021	600,000,000	600,000,000	600,000,000	37,000,000	37,000,000	37,000,000	37,000,000	37,000,000	5,910,364	6,173,760	4,341,921	16,496,467	6,055,666	60,338,026	36,105,688	20,783,335	24,383,599	11,323,060	12,930,203	10,067,181
Belfast	ME0101532	736,000	736,000	736,000	736,000	736,000	736,000	736,620	617,517	617,517	46,000	0	0	0	1,796,747	485,451	1,035,392	198,370	260,036	486,919	490,495
Biddeford	ME0100048	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	160,000,000	286,924,366	191,155,589	234,987,578	145,356,657	415,694,234	136,417,937	101,087,776	301,372,131	163,423,532	150,304,402	147,313,000	146,452,750	127,029,700	41,609,559
Brewer	ME0100072	750,000,000	750,000,000	750,000,000	725,000,000	725,000,000	725,000,000	210,670,800	423,644,459	322,168,651	243,176,051	417,536,641	509,412,078	279,830,419	592,984,187	247,538,580	231,283,607	289,560,294	229,270,683	227,139,515	140,065,515
Bucksport	ME0100111	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	371,970	16,623,000	5,546,501	20,000	0	0	0	0
Calais	ME0100129	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	26,280,000	5,290,000	42,140,000	20,409,850	22,060,520	18,989,779	21,263,750	31,134,915	16,860,000
Cape Elizabeth	ME0102806	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	739,000	100,000	0	630,000	1,325,000	4,807,000	5,365,000	3,254,000	2,567,000	3,527,000	3,955,292	1,072,000
Corinna S.D.	ME0100153	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000	20,000	22,000	27,000	31,000	25,000	2,000	2,000	0							
Dover-Foxcroft	ME0100501	16,000	16,000	16,000	2,000	8,000	0	6,000	0	2,000	0	0	0	0	199,000	0					
East Millinocket	ME0100196	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	0	0	0	0	0	0	0	0					
Fairfield	ME0102393	300,000	300,000	300,000	300,000	300,000	301,461	221,954	221,954	221,954	221,954	65,296	0	0	0	0	0	0	0	0	0
Fort Kent U.D.	ME0102369	3,000	3,000	3,000	3,000	3,000	3,000	3,000	0	2,200	0	0	2,400	41,000	600,000						
Gardiner	ME0101702	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	43,948,000	7,843,400	8,278,600	6,487,000	11,528,900	13,149,700	5,113,000	46,616,000	10,269,400	2,487,000	5,000,000	1,380,000	10,453,761	4,655,000
Greater Augusta U D.	ME0100013	72,554,000	72,554,000	72,554,000	72,554,000	72,554,000	1,053,717	3,411,410	72,554,222	5,615,140	2,705,324	2,191,067	7,089,337	3,881,421	26,553,055	14,539,424	10,000,000	48,965,215	15,723,000	49,670,000	31,589,000
Hallowell W.D 2008 GA		350,000	350,000	350,000	350,000	350,000	150,000	200,000	300,000	150,000	0	0	100,000	0	700,000	150,000	150,000	-	-	-	-
Hampden	ME0102512	1,201,000	39,600	389,000	528,980	1,716,002	106,355	113,282	1,474,767	1,218,000	0	0	262,900	0	43,862,280	0	85,000	0	500,000	500,000	500,000
Kennebec S.T D.	ME0100854	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	436,994	399,843	3,088,240	3,043,421	421,162	0	858,175	341,948	2,438,706	385,734	1,136,649	2,209,107	0	0	0
Kittery	ME0100285	350,000	350,000	350,000	350,000	350,000	150,000	100,000	0	50,000	50,000	0	0	33,900	0						
Lewiston	ME0100994	208,900,000	208,900,000	208,900,000	208,900,000	208,900,000	94,105,000	142,000,000	215,300,000	136,898,295	61,370,660	176,395,415	199,236,985	82,766,343	249,891,633	159,807,018	90,983,189	152,039,341	116,557,656	113,285,042	78,521,909
Lewiston-Auburn W.P.C A		480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	107,968,000	135,764,000	111,036,000	113,088,000	83,045,000	480,025,000	265,521,000	142,286,000	292,244,000	207,794,000	156,986,000	108,278,048
Lincoln S.D.	ME0101796	2,400,000	2,400,000	2,400,000	2,400,000	1,216,350	86,982	2,411,050	349,276	1,057,000											
Lisbon	ME0100307	600,000	600,000	600,000	600,000	600,000	600,000	600,000	850,000	300,000	83,000	0	0	0							
Livermore Falls	ME0100315						0	0	0	0	0										
Machias	ME0100323	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	963,052	1,184,000	690,000	0	722,293	2,533,245	2,124,118	6,646,222	3,008,025	2,263,720	2,328,905	4,073,938	2,791,962	1,180,678
Madawaska	ME 0101681	3,200,000	3,200,000	3,200,000	3,242,000	2,400,000	2,404,640	457,409	0	610,000	11,398	3,892	100,000	1,749,764	8,215,460	3,700,002	2,667,765	24,194,225	15,800,000	1,107,610	1,490,000
Mechanic Falls S.D.	ME0100391	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	3,544,743	11,098,872	17,997,322		3,923,998	1,001,489	2,389,769	963,114	11,765,409	9,419,000	11,853,000	11,223,600	6,231,000	9,250,000	5,033,002
Milford	ME0102695	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	0	211,070	0	88,365	66,285	52,006	407,151
Milo W.D.	ME0100439	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	1,000	0	0	2,000	0	10,000	0	501,000	750	-		
Old Town	ME0100471	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	0	1,597,324	6,296,537	425,832	4,779,340	321,105	770,699	254,967	0	125,000	0
Orono	ME0100498	31,000,000	31,000,000	25,500,000	11,100,000	22,200,000	19,600	6,956,500	5,234,000	2,603,000	0	494,000	1,179,000	0	18,467,330	1,314,000	7,360,000	4,820,000	371,471	2,416,910	1,260,837
Paris U.D.	ME 0100951	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	0	17,900	0	300,000	0	0	175,000	0	288,000	173,500	206,000	84,000	0	110,000	0
Portland & PWD	City-ME0101435 / PWD-ME0102075 ME0100561	1,800,000,000	1,800,000,000	1,800,000,000	1,800,000,000	1,800,000,000 27.500.000	457,505,000 4.390.000	1,788,201,000 27.487.000	740,737,000 10.194.000	993,511,000 7.234.000	807,157,162	1,245,153,000	454,680,000	007,351,945	1,296,000,000	1,816,525,856	589,203,712	883,105,087	872,751,281	780,188,153	496,288,000
Presque Isle		27,500,000	27,500,000	27,500,000	27,500,000		,,	, . ,	10,194,000	2.122.156		106 504	422 500	^	4 059 020	266 270	450.470	4 442 000	400 645	205 740	222.024
Randolph	ME0102423	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	- / /	, ,	9,878,793	196,591	432,500	7 000 000	1,058,039	266,256	459,476	1,413,880	488,645	285,719	223,934
Rockland	ME0100595	47,000,000	47,000,000	47,000,000	47,000,000	47,000,000	47,000,000 30,255,737	47,370,142 31,558,200	20,000,000 19,608,006	20,000,000 19,264,777	20,000,000 17,720,027	20,000,000 4,316,465	20,000,000 5,758,842	7,000,000 10,313,025	u 176,214,902	0 38,451,182	1 050 000	U 100.000	27,015	024.044	4 070 400
Saco	ME 0101117 ME0100617	176,000,000	176,000,000	176,000,000	176,000,000	176,000,000		31,558,200 2,458,950	2.470.950	19,264,777 55,000	17,720,027	4,310,465	5,/58,642	10,313,025	170,214,902		1,950,000	100,000	21,015	924,014	1,372,128
Sanford S.D.	ME0100617	4,000,000	4,000,000	4,000,000 48.000.000	4,000,000 48,000,000	4,000,000 48,000,000	4,000,000 10.917.612	2,458,950 23.930.371	2,470,950	4,110,833	0 12,315,897	0 10.883.416	0 22.768.111	0 12.082.768	ں 47.873.323	15,000 31.314.358	0 21,596,631	0 61.963.453	0 6.073.919	0 7,550,855	0 4.757.994
Skowhegan	ME0100625	48,000,000	48,000,000	- / /	48,000,000 183.000.000	48,000,000 183.000.000	-,- ,-	- , , -	23,930,371 50.000.000	4,110,833 17.535.575		-,,	, ,	,,	,,	31,314,358 26,118,706		. , ,	-,,		1 - 1
South Portland	ME0100633	500,000,000	500,000,000	450,000,000		50,000,000	31,046,134	182,646,264			49,503,494	4,467,429	7,896,125	19,812,914	26,810,104		15,727,553	12,883,433	12,183,196	42,095,393	14,906,594
Westbrook	ME0100846	50,000,000	50,000,000	50,000,000 1,300,000	50,000,000	1,300,000	38,407,000	49,090,000 500,000	21,391,000 200,000	1,229,000	2,187,000	271,000	7,000	944,000	11,119,000 23,652	40,636,729	15,879,000	7,379,066	7,069,280 5,001	14,105,989	12,202,000
Winslow Wintersort C.D.	ME0102628	1,300,000	1,300,000		1,300,000		900,000			0	70 500	144.000	570.000	01 000	23,652 677.800	0	725,000 102.000	235,000 252.000	5,001 18.000	200,000	63,354
Winterport S.D.	ME0100749	680,000	680,000	680,000	680,000	680,000	680,000	680,000	680,000	680,000 200	70,500	144,000	570,000	91,000	077,800	U	102,000	252,000	18,000	U	U
Yarmouth	ME0100765	1,000	1,000	1,000	1,000	1,000	U	500	500	200	200	U									
т.	otal	6.203.441.000	6.202.279.600	6.147.129.000	5 041 506 090	1 070 964 250	2 730 560 900	3 030 054 442	2.846.862.121	2 227 042 002	1 009 571 172	2 753 200 202	1.827.077.657	1.431.109.372	3 934 973 400	3,207,810,924	1.530.056.633	2.409.022.597	2.057.947.144	2.003.957.863	1,140,692,904
		6 20		., , .,		7,313,004,332	1 1 1	- 1 1 1 1	1 1 1	1 1 1	1,908,571,173	2,753,299,393	1,827,077,657	1 - 1 - 1-	- 1 1 1	3,207,810,924	1,530,056,633	2,409,022,597	2,057,947,144	2,003,957,863	
Total In Billion Gallo	5110	o 20	6 20	6.15	5.04	4.98	2.73	3.93	2.85	2.34	1.91	2.75	183	1.43	3 83	3.21	1 53	2.41	2.06	2.00	1.14
Numbers in blue are estin	nated from LTCP/MP or subsequent high f	flow									Minus Portland	1 508 146 303	1 372 307 657	823 757 427	2,538,873,122	1,391,285,068	940,852,921	1,525,917,510	1,185,195,863	1,223,769,710	644,404,904
	nated notifier or subsequent high t	iow.								1	winnus mortiario	1,300,140,393	1,312,391,001	023,131,421	2,000,010,122	1,391,203,000	940,052,921	1,525,917,510	1,100,190,803	1,223,109,110	044,404,904

MAINE CSO COMMUNITY ANNUAL NUMBER OF CSO DISCHARGE EVENTS

No longer a CSO Comr	nunity									Annual Nu	mber of CSO D	ischarge Event	<u>s</u>									
Community	NPDES Permit No.		1987	1988	1989	1995	1996	1997	1998	1999	Year 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Auburn S.D.		99720000	80	80	80	10	10	7	7	7	7	44	67	62	24	58	37	42	59	61	37	11
Bangor		635000000	53	53	53	49	41	38	44	33	37	20	40	49	42	46	58	25	65	78	73	54
Bar Harbor Bath		32000000 600000000	155 64	155 64	155 64	155 64	155 64	154 64	47 30	98 37	44 21	7 10	21 25	16 23	5 20	22 33	18 32	10 25	27 29	28 21	19 20	6 12
Belfast		736000	7	7	7	7	7	04 7	5	57	21	10	25	23	20	5	32	25	29	21	20	3
Biddeford		40000000	180	180	180	180	180	94	147	162	184	140	150	93	61	104	82	70	53	46	28	100
Brewer		750000000	95	95	95	66	66	22	92	95	80	53	72	66	72	78	45	38	59	56	50	45
Bucksport		53000000	53	53	53	53	53	53	10	17	10	32	24	25	8	24	18	2	0	0	0	0
Calais	1150/00000	42000000	15	15	15	15	15	15	15	15	15	15	15	15	9	15	5	8	10	14	8	6
Cape Elizabeth Corinna S.D.	ME0102806	40000000	5 30	5 30	5 30	5 30	5 30	2 15	3 16	5 26	5 23	3	0	2	5	20	20	5	11	17	12	6
Dover-Foxcroft		16000	8	30	8	30 1	4	15	3	20	23	19	0	0	0	2	0					
East Millinocket		1200000	11	11	11	11	11	11	11	ő	0	ő	ő	õ	õ	0	Ő					
Fairfield		300000	15	15	15	15	15	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0
Fort Kent U.D.		3000	10	10	10	10	10			0	2	0	0	2	1	4						
Gardiner		44000000	40	40	40	40	40	5	19	11	13	9	13	24	11	41	14	2	8	2	12	6
Greater Augusta U.D. Hallowell W.D 2008 G		72554000 350000	80 14	80 14	80 14	80 14	80 14	39 3	79	59	73	25	58	/0	58	73 14	50 3	29	34	35	32	37
Hampden	JAUD	1201000	1	3	8	8	14	8		11	9	0	0	2	0	14	0	3 1	- 0	- 1	- 1	- 1
Kennebec S.T.D.		2500000	15	15	15	15	15	15	8	6	6	4	0	5	7	9	3	1	4	Ō	Ō	Ō
Kittery		350000	7	7	7	7	7	3	2	0	1	1	0	0	1	0						
Lewiston		208900000	80	80	80	80	80	46	71	62	70	43	57	55	65	69	70	38	71	58	68	45
Lewiston-Auburn W.P.C	C.A.	48000000	80	80	80	80	80	80	80	80 11	41	28	25	23	35	49	44	29	38	36	44	37
Lincoln S.D. Lisbon		2400000 600000	10 5	10 5	10 5	10 5	5	1	3 5	11	2	1	0	0	0							
Livermore Falls		000000	5	5	5	5	5	Ő	ŏ	•	•		Ū	Ŭ	Ū							
Machias		7000000	15	15	15	3	3	3	2	9	5	0	4	16	8	15	10	5	12	13	9	7
Madawaska		3200000	16	16	16	27	26	16	12	0	3	1	1	7	4	65	14	17	18	32	17	10
Mechanic Falls S.D.		18000000	42	42	42	42	42	24	25	18		10	15	20	12	29	23	9	42	42	18	39
Milford		220000	8 3	8 3	8 3	8	8 3	8	8	8	8	8	8	8	8	0	8	0	4	1	3	2
Milo W D. Old Town		10000 6300000	3 25	3 25	3 25	25	3 25	25	3	3 5	1	0	5	1 7	1	13	1	2	1	0	1	0
Orono		31000000	30	30	28	18	37	3	7	12	4	ő	1	2	ò	12	3	6	7	3	3	2
Paris U D.		1000000	5	5	5	5	5	0	1	0	1	0	0	1	0	2	2	2	2	0	4	0
Portland & PWD		180000000	100	100	100	100	100	61	102	81	83	58	141	71	86	88	93	58	87	104	79	88
Presque Isle		27500000	26	26	26	26	26	17	26	12	14	4		-	-		-		-	_	-	
Randolph Rockland		10000000 47000000	23 23	23 23	23 23	23 23	23 23	23 12	23 23	23 18	23	19	3 11	2	0	8	3	1	9	7	3	2
Saco		176000000	44	44	44	44	23 44	36	33	39	8 44	22	36	22	32	41	24	12	12	9	10	4
Sanford S.D.		4000000	10	10	10	10	10	10	10	3	1	0	0	0	0	0	1	0	0	ő	0	Ū,
Skowhegan		48000000	160	160	160	160	160	108	111	111	161	95	115	77	53	81	81	55	58	17	23	21
South Portland		50000000	23	23	23	23	23	21	23	23	15	12	11	10	10	20	20	5	10	10	12	13
Westbrook (PWD)		5000000	50	50	50	50	50	34	30	19	16 0	15	33 0	7	13	17	31 0	55	50	11	12	16
Winslow Winterport S D.		1300000 680000	20 8	20 8	20 8	20 8	20 8	10 8	10 8	1	U 8	U 3	0	U 8	0	1 2	0	3	3	3	2 0	3
Yarmouth		1000	4	4	4	4	4	õ	4	4	2	1	0	Ū		-	Ŭ				Ŭ	Ū
	Total		1748	1750	1753	1632	1646	1113	1170	1150	1053	712	959	800	654	1074	816	568	792	709	606	576
Me	edian		23	23	23	20	23	12	10	11	8	4.5	4	7	5	15	12	5	10	10.5	12	6
	Mean timated from LTCP/MP or oth	ner source.	39	39	39	36	37	25	26	26	24	16	22	19	16	27	21	16	23	21	18	17

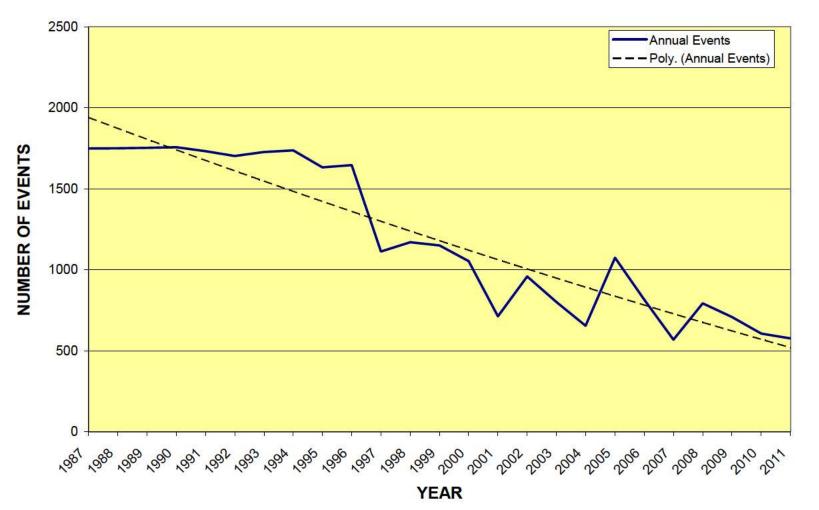
MAINE - STATEWIDE COMBINED SEWER OVERFLOW (CSO) VOLUME DISCHARGED

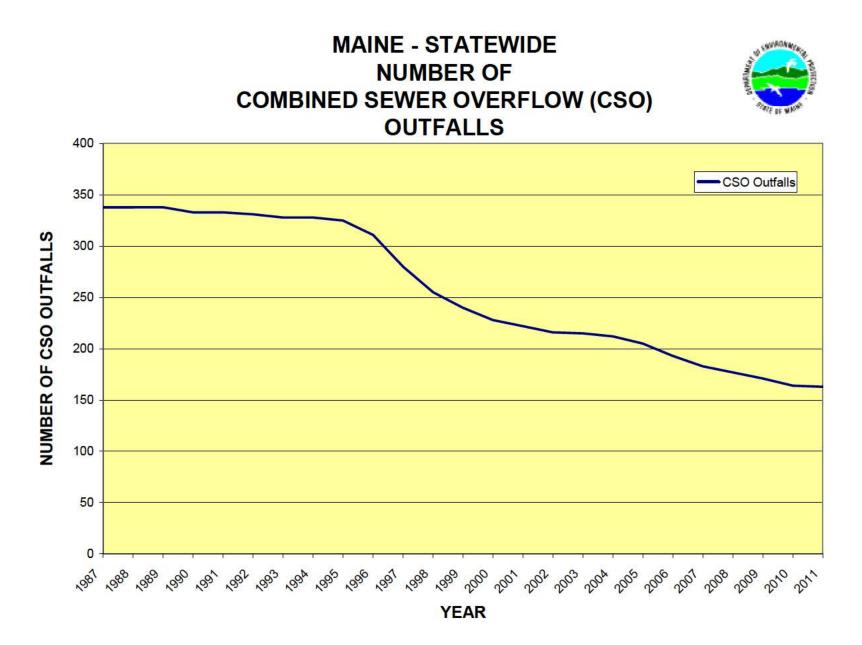


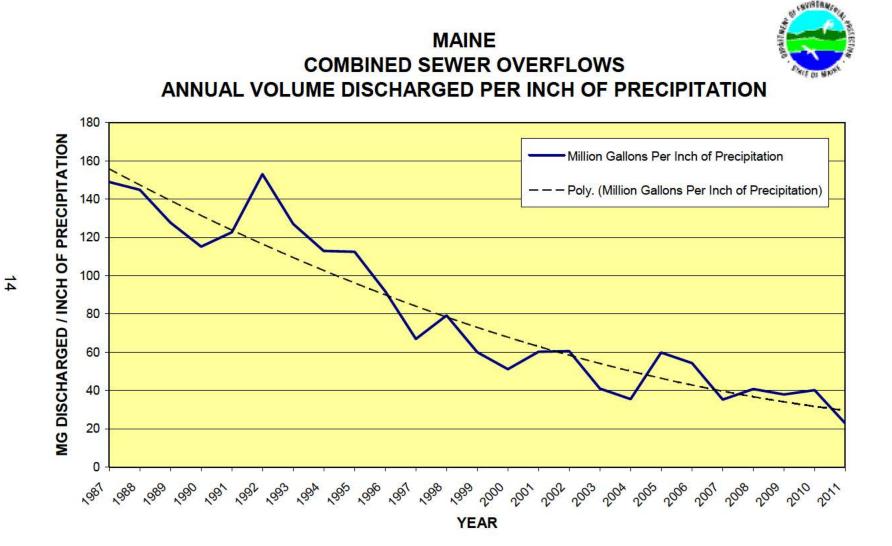


MAINE - STATEWIDE COMBINED SEWER OVERFLOW (CSO) ANNUAL NUMBER OF DISCHARGE EVENTS



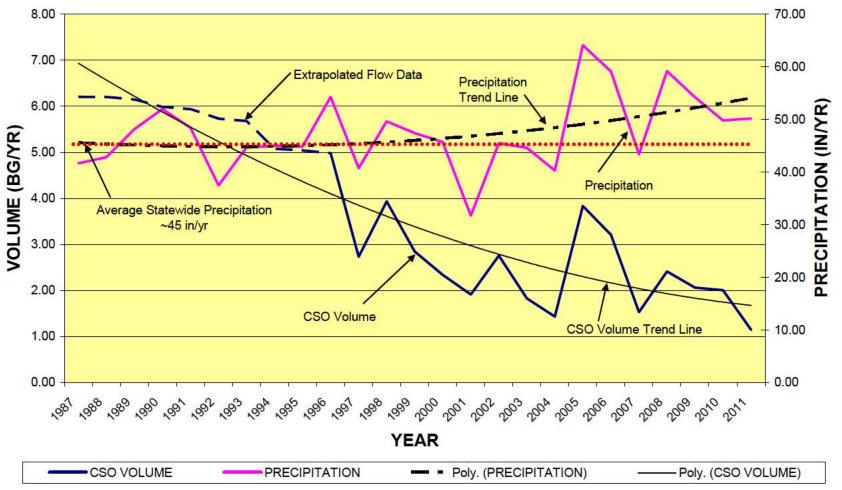


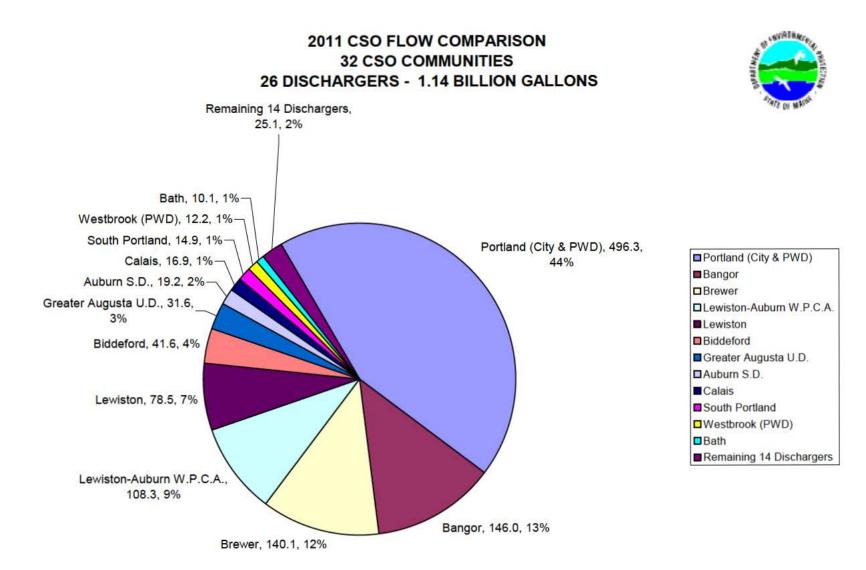




MAINE YEARLY CSO VOLUMES AND PRECIPITATION



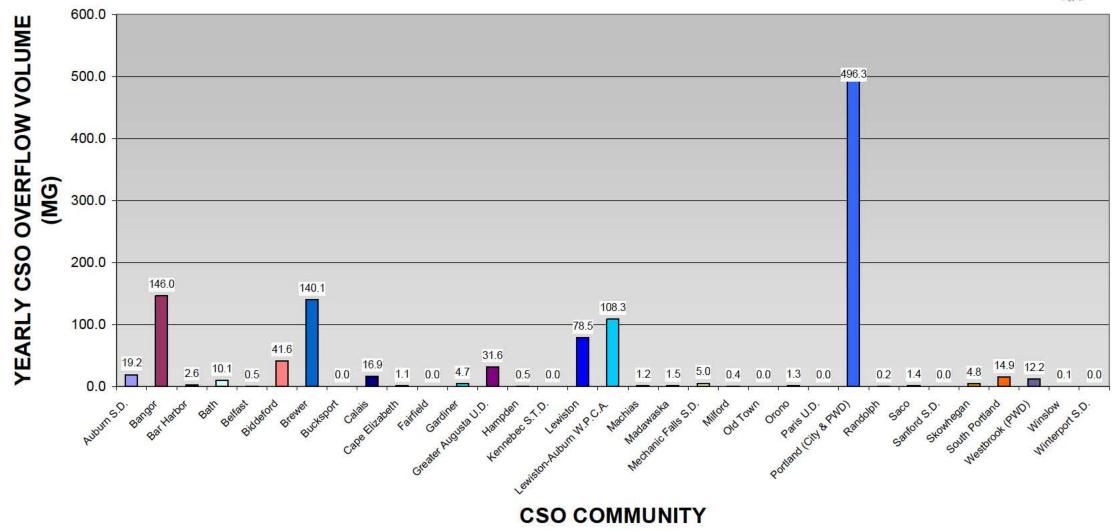




Discharger, Overflow in Million Gallons (MG), Percent of Total

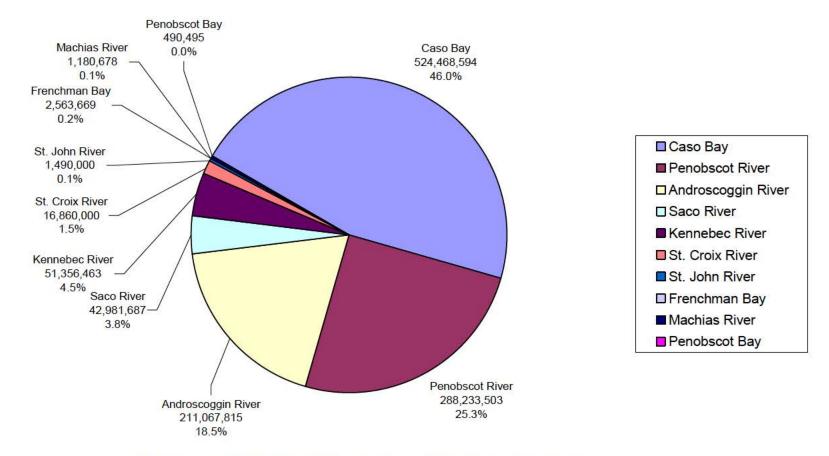
2011 CSO FLOW COMPARISION BY COMMUNITY 1.14 Billion Gallons

WIRDAN



2011 CSO Watershed Flows 1.14 Billion Gallons





Discharger, Overflow in Million Gallons (MG), Percent of Total

MAINE CSO ANNUAL WATERSHED FLOWS

			Δηριμα	I CSO Flows	Collona	
	Community	2007	2008	2009	2010	2011
	Auburn SD	23.622.547	23,984,272	19,440,841	12,952,500	19,234,856
Androscoggin River	Lewiston-Auburn WPCA	142,286 000	292,244,000	207,794,000	156,986,000	108,278,048
cog /er	Lewiston	90,983,189	152,039,341	116,557,656	113,285,042	78,521,909
rosco River	Mechanic Falls SD	11,853,000	11,223,600	6,231,000	9,250,000	5,033,002
And	Paris UD	206,000	84,000	0	110,000	0
	Sub Total	268,950,736	479,575,213	350,023,497	292,583,542	211,067,815
	Cape Elizabeth	3,254,000	2,567,000	3,527,000	3,955,292	1,072,000
ay	Portland-City & PWD	589,203,712	883,105,087	872,751,281	780,188,153	496,288,000
ш 2	South Portland	15,727,553	12,883,433	12,183,196	42,095,393	14,906,594
Casco Bay	Westbrook	15,879,000	7,379,066	7,069,280	14,105,989	12,202,000
0	Sub Total	624,064,265	905,934,586	895,530,757	840,344,827	524,468,594
-		0.740.400	10.001.000	44 005 007	0.000.405	0 500 000
Frenchman Bay	Bar Harbor	8,719,436	12,601,889	11,935,337	6,930,405	2,563,669
Bay						
-rer	Sub Total	8,719,436	12,601,889	11,935,337	6,930,405	2,563,669
_	505 1000	0,713,430	12,001,003	11,333,337	0,330,403	2,000,000
	Augusta SD	10,000,000	48,965,215	15,723,000	49,670,000	31,589,000
	Ba h	20,783,335	24,383,599	11,323,060	12,930,203	10,067,181
ē	Fairfield	0	0	0	0	0
Kennebec River	Gardiner	2,487,000	5,000,000	1,380,000	10,453,761	4,655,000
bec	Hallowell WD	150,000	-	-	-	-
land	Kennebec STD	1,136,649	2,209,107	0	0	0
Kei	Randolph Skowhegan	459,476 21,596,631	1,413,880 61,963,453	488,645 6,073,919	285,719 7,550,855	<u>223,934</u> 4,757,994
	Winslow	725,000	235,000	5,001	200,000	4,757,994
	Sub Total	57,338,091	144,170,254	34.993.625	81.090.538	51,356,463
		, , ,		, ,		, ,
ias er	Machias	2,263,720	2,328,905	4,073,938	2,791,962	1,180,678
Machias River						
2	Sub Total	2,263,720	2,328,905	4,073,938	2,791,962	1,180,678
Ē	Sanford SD	0	0	0	0	0
Mousam River						
ы М С	Sub Total	0	0	0	0	0
	Belfast	1 025 202	100.270	260,036	496 010	490,495
sco.	Rockland	1,035,392 0	198,370 0	200,030	486,919	490,493
Penobscot Bay	Rockialiu			0	0	0
ā			0	0	0	0
Å	Sub Total	1,035,392	198,370	0 260,036	0 486,919	0 490,495
ă	Sub Total	1,035,392	198,370	260,036	486,919	490,495
ă	Bangor	1,035,392 150,580,000	198,370 378,640,000	260,036 347,360,000	486,919 389,300,000	490,495 146,000,000
ď	Bangor Brewer	1,035,392 150,580,000 231,283,607	198,370 378,640,000 289,560,294	260,036 347,360,000 229,270,683	486,919 389,300,000 227,139,515	490,495 146,000,000 140,065,515
	Bangor Brewer Bucksport	1,035,392 150,580,000 231,283,607 20,000	198,370 378,640,000 289,560,294 0	260,036 347,360,000 229,270,683 0	486,919 389,300,000 227,139,515 0	490,495 146,000,000 140,065,515 0
ver	Bangor Brewer Bucksport Dover-Foxcroft	1,035,392 150,580,000 231,283,607	198,370 378,640,000 289,560,294 0 0	260,036 347,360,000 229,270,683	486,919 389,300,000 227,139,515 0 0	490,495 146,000,000 140,065,515
ver	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket	1,035,392 150,580,000 231,283,607 20,000 0 0	198,370 378,640,000 289,560,294 0 0 0	260,036 347,360,000 229,270,683 0 0 0	486,919 389,300,000 227,139,515 0 0 0	490,495 146,000,000 140,065,515 0 0 0
ver	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden	1,035,392 150,580,000 231,283,607 20,000	198,370 378,640,000 289,560,294 0 0 0 0	260,036 347,360,000 229,270,683 0 0 0 0 500,000	486,919 389,300,000 227,139,515 0 0 0 0 500,000	490,495 146,000,000 140,065,515 0 0 0 0 500,000
ver	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket	1,035,392 150,580,000 231,283,607 20,000 0 0	198,370 378,640,000 289,560,294 0 0 0	260,036 347,360,000 229,270,683 0 0 0	486,919 389,300,000 227,139,515 0 0 0	490,495 146,000,000 140,065,515 0 0 0
	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699	198,370 378,640,000 289,560,294 0 0 0 0 0 88,365 750 254,967	260,036 347,360,000 229,270,683 0 0 0 0 500,000 66,285 0 0 0 0 0 0 0 0 0 0 0 0 0	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0 0 0
ver	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000	260,036 347,360,000 229,270,683 0 0 500,000 66,285 0 0 371,471	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0
ver	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono Winterport SD	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000 102,000	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000 252,000	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 0 371,471 18,000	486,919 <u>389,300,000</u> 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0 0 1,260,837 0
ver	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000	260,036 347,360,000 229,270,683 0 0 500,000 66,285 0 0 371,471	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0 0 1,260,837
Penobscot River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono Winterport SD	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000 102,000 390,702,306	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 0 371,471 18,000 577,586,439	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0 0 1,260,837 0 288,233,503
Penobscot River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono Winterport SD Sub Total	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000 102,000 390,702,306 150,304,402	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376 147,313,000	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 371,471 18,000 577,586,439 146,452,750	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431 127,029,700	490,495 146,000,000 140,065,515 0 0 0 0 500,000 407,151 0 0 1,260,837 0 288,233,503 41,609,559
ver	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono Winterport SD	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000 102,000 390,702,306	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 0 371,471 18,000 577,586,439	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0 0 1,260,837 0 288,233,503
Saco River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono Winterport SD Sub Total	1,035,392 150,580,000 231,283,607 20,000 0 0 0 0 0 501,000 770,699 7,360,000 102,000 390,702,306 150,304,402 1,950,000	198,370 378,640,000 289,560,294 0 0 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376 147,313,000 100,000	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 371,471 18,000 577,586,439 146,452,750 27,015 146,479,765	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431 127,029,700 924,014	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0 0 1,260,837 0 288,233,503 41,609,559 1,372,128
Saco River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono Winterport SD Sub Total	1,035,392 150,580,000 231,283,607 20,000 0 0 0 0 0 501,000 770,699 7,360,000 102,000 390,702,306 150,304,402 1,950,000	198,370 378,640,000 289,560,294 0 0 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376 147,313,000 100,000	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 371,471 18,000 577,586,439 146,452,750 27,015	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431 127,029,700 924,014	490,495 146,000,000 140,065,515 0 0 0 0 500,000 407,151 0 1,260,837 0 288,233,503 41,609,559 1,372,128
Saco River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Miloford Old Town Orono Winterport SD Sub Total Biddeford Saco Sub Total	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000 102,000 390,702,306 150,304,402 1,950,000 152,254,402 22,060,520	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376 147,313,000 100,000 147,413,000 18,989,779	260,036 347,360,000 229,270,683 0 0 500,000 66,285 0 0 371,471 18,000 577,586,439 146,452,750 27,015 146,479,765 21,263,750	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431 127,029,700 924,014 127,953,714 31,134,915	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0 1,260,837 0 288,233,503 41,609,559 1,372,128 42,981,687 16,860,000
Penobscot River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Millo WD Old Town Orono Winterport SD Sub Total	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000 102,000 390,702,306 150,304,402 1,950,000 152,254,402	198,370 378,640,000 289,560,294 0 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376 147,313,000 100,000 147,413,000	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 371,471 18,000 577,586,439 146,452,750 27,015 146,479,765	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431 127,029,700 924,014 127,953,714	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0 1,260,837 0 288,233,503 41,609,559 1,372,128 42,981,687
St. Croix Saco River River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono Winterport SD Sub Total Biddeford Saco Calais Sub Total	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000 102,000 390,702,306 150,304,402 1,950,000 152,254,402 22,060,520 22,060,520	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376 147,313,000 147,413,000 147,413,000 18,989,779 18,989,779	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 371,471 18,000 577,586,439 146,452,750 27,015 146,479,765 21,263,750 21,263,750	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431 127,029,700 924,014 127,953,714 31,134,915 31,134,915	490,495 146,000,000 140,065,515 0 0 0 0 500,000 407,151 0 0 1,260,837 0 288,233,503 41,609,559 1,372,128 42,981,687 16,860,000 16,860,000
St. Croix Saco River River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Miloford Old Town Orono Winterport SD Sub Total Biddeford Saco Sub Total	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000 102,000 390,702,306 150,304,402 1,950,000 152,254,402 22,060,520	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376 147,313,000 100,000 147,413,000 18,989,779	260,036 347,360,000 229,270,683 0 0 500,000 66,285 0 0 371,471 18,000 577,586,439 146,452,750 27,015 146,479,765 21,263,750	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431 127,029,700 924,014 127,953,714 31,134,915	490,495 146,000,000 140,065,515 0 0 0 500,000 407,151 0 1,260,837 0 288,233,503 41,609,559 1,372,128 42,981,687 16,860,000
Saco River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono Winterport SD Sub Total Biddeford Saco Calais Sub Total	1,035,392 150,580,000 231,283,607 20,000 0 0 85,000 0 501,000 770,699 7,360,000 102,000 390,702,306 150,304,402 1,950,000 152,254,402 22,060,520 22,060,520	198,370 378,640,000 289,560,294 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376 147,313,000 147,413,000 147,413,000 18,989,779 18,989,779	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 371,471 18,000 577,586,439 146,452,750 27,015 146,479,765 21,263,750 21,263,750	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431 127,029,700 924,014 127,953,714 31,134,915 31,134,915	490,495 146,000,000 140,065,515 0 0 0 0 500,000 407,151 0 0 1,260,837 0 288,233,503 41,609,559 1,372,128 42,981,687 16,860,000 16,860,000
St. Croix Saco River River	Bangor Brewer Bucksport Dover-Foxcroft East Millinocket Hampden Milford Milo WD Old Town Orono Winterport SD Biddeford Saco Calais Sub Total	1,035,392 150,580,000 231,283,607 20,000 0 0 0 0 0 501,000 770,699 7,360,000 102,000 390,702,306 150,304,402 1,950,000 152,254,402 22,060,520 2,667,765	198,370 378,640,000 289,560,294 0 0 0 0 0 88,365 750 254,967 4,820,000 252,000 673,616,376 147,313,000 147,413,000 147,413,000 18,989,779 24,194,225	260,036 347,360,000 229,270,683 0 0 0 500,000 66,285 0 0 371,471 18,000 577,586,439 146,452,750 27,015 146,479,765 21,263,750 21,263,750 15,800,000	486,919 389,300,000 227,139,515 0 0 0 500,000 52,006 0 125,000 2,416,910 0 619,533,431 127,029,700 924,014 127,953,714 31,134,915 31,134,915 1,107,610	490,495 146,000,000 140,065,515 0 0 0 0 0 0 0 0 1,260,837 0 288,233,503 41,609,559 1,372,128 42,981,687 16,860,000 1,490,000