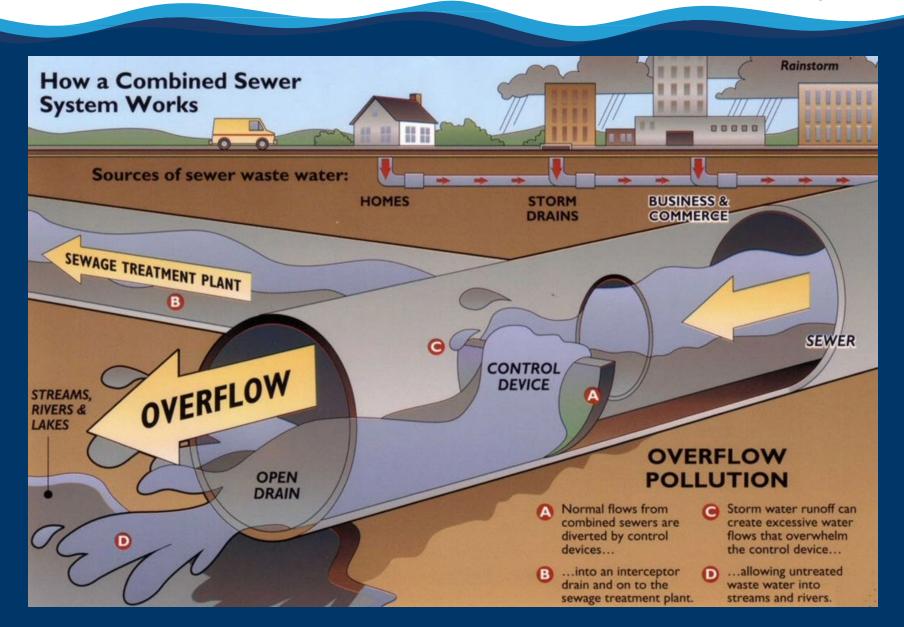


Portland Water District CSO Monitoring and Reporting

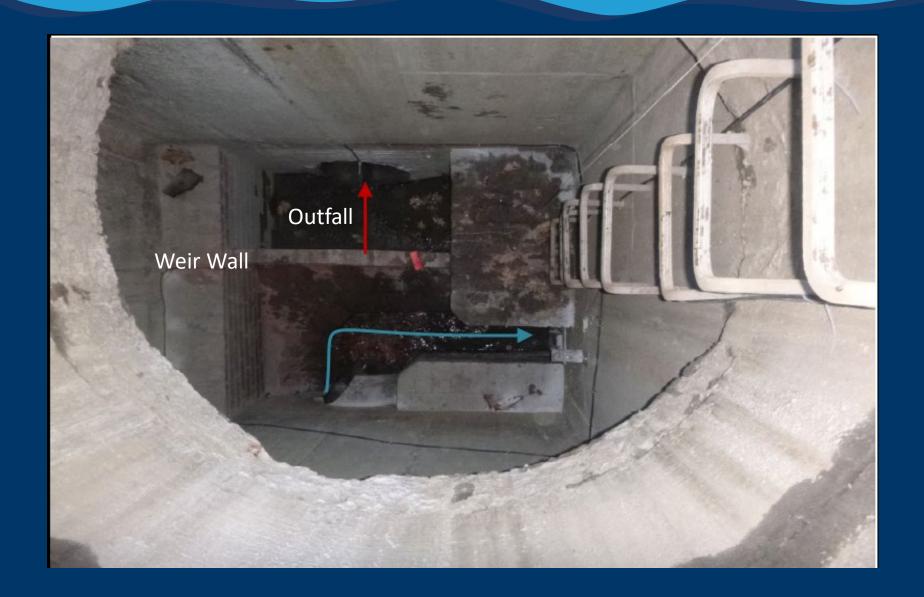
Presented by: Charlene Poulin

Combined Sewer Overflow



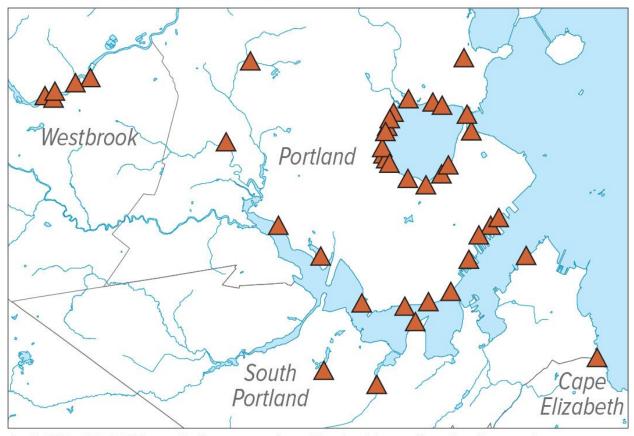








CSO Outfall Locations



In 2019, 40 CSO outfalls were classified with an "active" permit status. Some of these active outfalls, however, have been remediated or eliminated and have not discharged CSO effluent in several years.



Methods

- Real time monitoring
 - Portland All sites are real time monitored
 - Westbrook All five sites are real time monitored
 - Cape Elizabeth Only site is real time monitored
 - 42 Flow Meters across the system
 - 7 Rain Gauges











2023 Summary



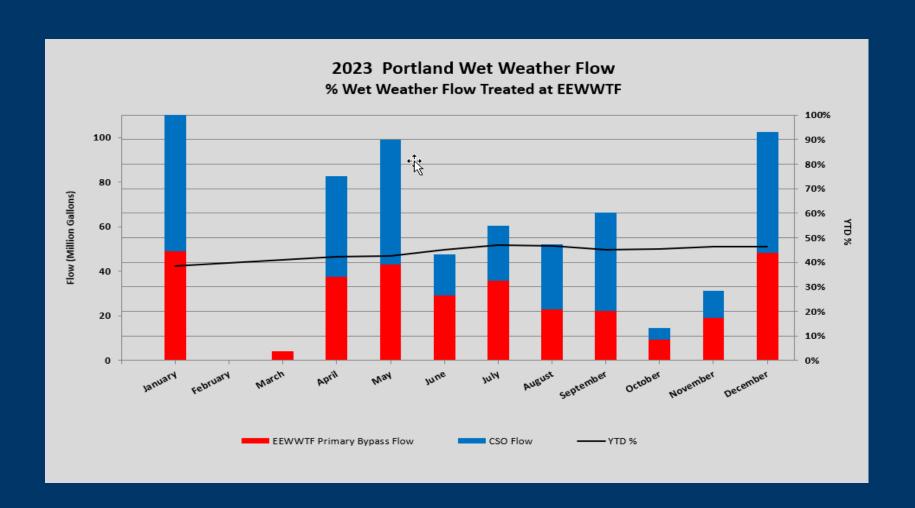
- City of Portland
- 37 wet weather events
- 59.61 inches in 2023 46 inches in 2022
- 368,662,200 (178,744,981) CSO overflow gallons
- 45.5% of total wet weather flow received primary treatment, disinfection and de-chlorination at the EEWWTF prior to discharge











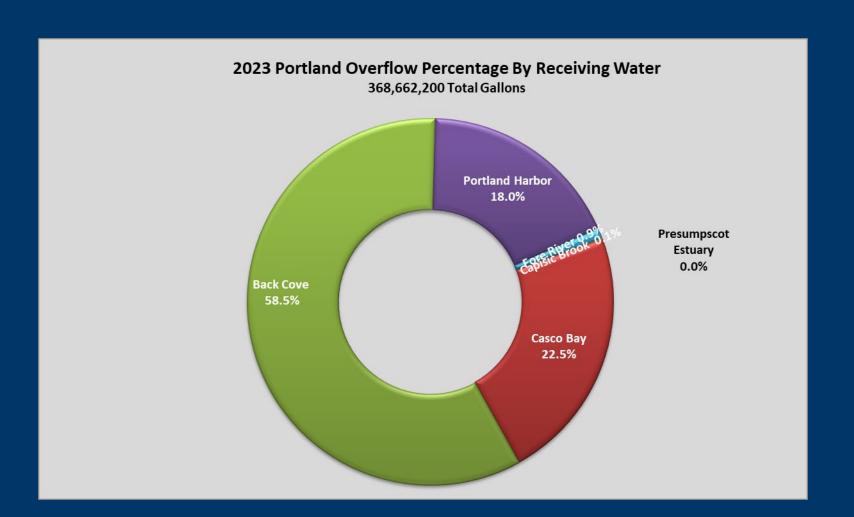
Rain Data



	Allen Avenue FS		Baxter Boulevard PS		Riverside Street PS		Franklin Street PS		NOAA RG Jetport		Douglass Street		
	Daily	Max Hour	Daily	Max Hour	Daily	Max Hour	Daily	Max Hour	Daily	Max Hour	Daily	Max Hour	YTD
12/1	0.09	0.03	0.09	0.03	0.08	0.03	0.1	0.04	0.08	0.02	0.08	0.03	59.61
12/2	0.01	0.01	0		0		0		0		0.01	0.01	
12/3	0.4	0.07	0.44	0.06	0.36	0.06	0.45	0.06	0.5	0.09	0.47	0.07	
12/4	0.32	0.08	0.32	0.06	0.15	0.06	0.21	0.07	0.25	0.12	0.24	0.05	
12/5	0.02	0.01	0.01	0.01	0.04	0.02	0		0		0.01	0.01	
12/6	0		0.01	0.01	0		0		0		0		
12/7	0		0		0		0		0		0		
12/8	0		0		0.06	0.02	0		0		0		
12/9	0		0		0.05	0.03	0		0		0		
12/10	0.42	0.12	0.42	0.11	0.36	0.1	0.53	0.12	0.48	0.13	0.44	0.12	
12/11	2.01	0.61	2.12	0.6	1.86	0.47	1.96	0.47	1.99	0.51	1.94	0.49	
12/12	0		0		0		0		0		0		
12/13	0		0		0		0		0		0		
12/14	0		0		0		0		0		0		
12/15	0		0		0		0		0		0		
12/16	0		0		0		0		0		0		
12/17	0.99	0.38	0.84	0.37	1.01	0.41	0.81	0.39	1	0.41	0.95	0.46	
12/18	1.71	0.28	1.42	0.26	1.67	0.22	1.72	0.32	1.32	0.23	1.73	0.29	
12/19	0		0		0		0		0		0		
12/20	0		0		0		0		0		0		
12/21	0		0		0		0		0		0		
12/22	0		0		0		0		0		0		
12/23	0		0		0		0		0		0		
12/24	0		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
12/25	0.01	0.01	0		0		0		0		0		
12/26	0.01	0.01	0.01	0.01	0		0.01	0.01	0		0.01	0.01	
12/27	0.05	0.01	0.04	0.01	0.07	0.02	0.03	0.01	0.02	0.01	0.02	0.01	
12/28	0.71	0.1	0.72	0.1	0.69	0.09	0.73	0.11	0.7	0.1	0.7	0.09	
12/29	0.13	0.03	0.17	0.03	0.1	0.03	0.11	0.03	0.09	0.02	0.16	0.04	
12/30	0.24	0.05	0.29	0.05	0.24	0.05	0.25	0.05	0.23	0.04	0.26	0.05	
12/31	0		0		0.01	0.01	0		0		0		
Total:	7.12 "		6.91 "		6.76"		6.92"		6.67 "		7.03"		
	Indicates rain dates when an overflow event occu				urred								
	Water equivalent for snowfall amounts												
	Indicates rain gauge data unavailable												

	Dana C	ourt PS		ok Sewer rtment					
	Daily	Max Hour	Daily	Max Hour		YTD			
12/1	0.08	0.03	0.09	0.03		56.36			
12/2	0.01	0.01	0						
12/3	0.36	0.06	0.35	0.06					
12/4	0.28	0.07	0.29	0.07					
12/5	0.01	0.01	0.02	0.02					
12/6	0		0						
12/7	0		0						
12/8	0		0						
12/9	0		0						
12/10	0.38	0.11	0.39	0.11					
12/11	1.78	0.37	1.8	0.41					
12/12	0		0						
12/13	0		0						
12/14	0		0						
12/15	0		0						
12/16	0		0						
12/17	1.23	0.48	1.25	0.47					
12/18	1.54	0.26	1.89	0.32					
12/19	0		0						
12/20	0		0						
12/21	0		0						
12/22	0		0						
12/23	0		0						
12/24	0.01	0.01	0.01	0.01					
12/25	0.01	0.01	0.01	0.01					
12/26	0		0						
12/27	0.04	0.01	0.06	0.02					
12/28	0.7	0.09	0.71	0.09					
12/29	0.13	0.02	0.14	0.02					
12/30	0.27	0.06	0.26	0.06					
12/31	0		0						
Total:	6.83 *		7.27 *						
Indicates rain dates when an overflow event occurred Indicates no data available									
	indicate	s no data ay	ranable						





City Of Westbrook



- 4 wet weather events
- 11.81 Inches of contributing rain 6.28 in 2022
- 4,906,800 overflow gallons
 - 2022 3,227,000 CSO overflow gallons
- Long Term Control Plan Update Approved by DEP





