

Annual Report

Number	Permit Section	Question
1	S5.A	Attach a copy of any annexations, incorporations or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period per S9.D.6. Not Applicable
2	S5.A	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2) 2020SWMPCoB_2_03302020110554
3	S5.A	Implemented an ongoing program to gather, track, and maintain information per S5.A.3, including costs or estimated costs of implementing the SWMP. Yes
4	S5.A.5.b	Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b) Yes
4a	S5.A.5.b	Attach a written description of internal coordination mechanisms. (S5.A.5.b). StormwaterPermitCoordPolicy011_4a_03162020083537
15	S5.C.1.c	Continue to design and implement local development-related codes, rules, standards, or other enforceable documents to minimize impervious surfaces, native vegetation loss, and stormwater runoff, where feasible? See S5.C.1.c.i. (Required annually) Yes
16	S5.C.1.c	From the assessment described in S5.C.1.c.i(a), did you identify any administrative or regulatory barriers to implementation of LID Principles or LID BMPs? (Required annually) No
20	S5.C.2	Did you choose to adopt one or more elements of a regional program? (S5.C.2) Yes
20a	S5.C.2	If yes, list the elements, and the regional program. Puget Sound Starts Here, handing out pet waste leash dispensers, coasters, and carabiners. Pet waste has been a focused program for the past several years. Natural lawn care is the next area to focus on.
21	S5.C.2	Attach a description of general awareness efforts conducted, including your target audiences and subject areas, per S5.C.2.a.i. 2019 WSSOG Activities Report_21_03162020092408
22	S5.C.2	Conducted an evaluation of the effectiveness of the ongoing behavior change program and documented recommendations as outlined in S.5.C.2.a.ii(b). (Required no later than July 1, 2020) Yes

Number	Permit Section	Question
26	S5.C.2	Promoted stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.2.a.iii. Yes
26a	S5.C.2	Attach a list of stewardship opportunities provided. BremertonStewardship_26a_03162020093917
27	S5.C.3.	Describe in Comments field the opportunities created for the public, including overburdened communities, to participate in the decision-making processes involving the development, implementation, and updates of the Permittee's SWMP and the SMAP. (S5.C.3.a) The stormwater program receives input through Customer Service complaints, or online stormwater survey, City Council, other organized public meetings. Citizen concerns are documented and tracked through a centralized system. The SWMP is posted on the City's website each year and comments or suggestion are accepted.
28	S5.C.3.	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.C.3.b) Yes
28a	S5.C.3.	List the website address in Comments field. http://www.bremertonwa.gov/489/Stormwater-Management-NPDES-Phase-II
29	S5.C.4.	Maintained a map of the MS4 including the requirements listed in S5.C.4.a.i-vii? Yes
30	S5.C.4.	Started mapping outfall size and material in accordance with S5.C.4.b.i? (Required no later than January 1, 2020) Yes
30a	S5.C.4.	Attach a spreadsheet that lists the known outfalls' size and material(s). StormwaterOutfalls191218_30a_03232020101028
31	S5.C.4.	Completed mapping connections to private storm sewers in accordance with S5.C.4.b.ii? (Required no later than August 1, 2023) No
32	S5.C.4.	Developed an electronic format for map, with fully described mapping standards in accordance with S5.C.4.c? (Required no later than August 1, 2021) No
33	S5.C.5	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. Describe actions in Comments field. (S5.C.5.b) Yes
34	S5.C.5	Implemented an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges as described in S5.C.5.c. Yes
35	S5.C.5	Implemented procedures for conducting illicit discharge investigations in accordance with S5.C.5.d.i. Yes

Number	Permit Section	Question
35a	S5.C.5	Cite field screening methodology in Comments field. Ecology's 2013 Illicit Connection and Illicit Discharge Field Screening and Source Tracing Guidance Manual
36	S5.C.5	Percentage of MS4 coverage area screened in the reporting year per S5.C.5.d.i. (Required to screen 12% on average each year.) 100
36a	S5.C.5	Cite field screening techniques used to determine percent of MS4 screened. Ecology's 2013 Illicit Connection and Illicit discharge Filed Screening and Source Tracing Guidance Manual
37	S5.C.5	Percentage of total MS4 screened from permit effective date through the end of the reporting year. (S5.C.5.d.i.) 100
38	S5.C.5	Describe how you publicized a hotline telephone number for public reporting of spills and other illicit discharges in the Comments field. (S5.C.5.d.ii) The City of Bremerton's Spill Prevention and Reporting hotline is the City's Customer Service phone number. This is published on the City's website, on permanent wall mounted signs around town at City facilities, printed on utility bills, and on educational handouts. Bremerton also has its own phone application that can be downloaded from the Google and Apple Stores to report much more than spills or incidents. Bremerton also coordinates with Kitsap County's Kitsap1 hotline.
39	S5.C.5	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.C.5.d.iii. Yes
40	S5.C.5	Implemented an ongoing program to characterize, trace, and eliminate illicit discharges into the MS4 per S5.C.5.e. Yes
41	S5.C.5	Municipal illicit discharge detection staff are trained to conduct illicit discharge detection and elimination activities as described in S5.C.5.f. Yes
42	S5.C.5	Attach a report with data describing the actions taken to characterize, trace, and eliminate each illicit discharge reported to, or investigated by, the Permittee as described in S5.C.5.g. The submittal must include all of the applicable information and must follow the instructions, timelines, and format described in Appendix 12. Imported from WQWebIDDE
43	S5.C.6.	Implemented an ordinance or other enforceable mechanism to effectively address runoff from new development, redevelopment, and construction sites per the requirements of S5.C.6.b.i-iii. Yes
44	S5.C.6.	Revised ordinance or other enforceable mechanism to effectively address runoff from new development, redevelopment, and construction sites per the requirements of S5.C.6.b.i-iii. (Required no later than June 30, 2022) Yes
44a	S5.C.6.	Cite code reference in Comments field. https://www.codepublishing.com/WA/Bremerton/#!/Bremerton15/Bremerton1504.html#15.04.100 Bremerton Municipal Code (BMC) Stormwater 15.04

Number	Permit Section	Question
45	S5.C.6.	Number of adjustments granted to the minimum requirements in Appendix 1. (S5.C.6.b.i. and Section 5 of Appendix 1) 0
46	S5.C.6.	Number of exceptions/variances granted to the minimum requirements in Appendix 1. (S5.C.6.b.i., and Section 6 of Appendix 1) 0
47	S5.C.6.	Reviewed Stormwater Site Plans for all proposed development activities that meet the thresholds adopted pursuant to S5.C.6.b.i. (S5.C.6.c.i) Yes
47a	S5.C.6.	Number of site plans reviewed during the reporting period. 20
48	S5.C.6.	Inspected, prior to clearing and construction, permitted development sites per S5.C.6.c.ii, that have a high potential for sediment transport as determined through plan review based on definitions and requirements in Appendix 7 – Determining Construction Site Sediment Damage Potential? Yes
49	S5.C.6.	Inspected permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls per S5.C.6.c.iii. Yes
49a	S5.C.6.	Number of construction sites inspected per S5.C.6.c.iii. 38
49b	S5.C.6.	Inspected stormwater treatment and flow control BMPs/facilities and catch basins in new residential developments every 6 months per S5.C.6.c.iv? Yes
50	S5.C.6.	Inspected all permitted development sites upon completion of construction and prior to final approval or occupancy to ensure proper installation of permanent stormwater facilities. (S5.C.6.c.v) Yes
51	S5.C.6.	Verified a maintenance plan is completed and responsibility for maintenance is assigned for projects prior to final approval and occupancy being granted. (S5.C.6.c.v) Yes
52	S5.C.6.	Number of enforcement actions taken during the reporting period (based on construction phase inspections at new development and redevelopment projects). (S5.C.6.c.ii-iv)(S5.C.7.c.viii) 5
53	S5.C.6.	Achieved at least 80% of scheduled construction-related inspections. (S5.C.6.c.vi) Yes
54	S5.C.6.	Made Ecology’s Notice of Intent for Construction Activity and Notice of Intent for Industrial Activity available to representatives of proposed new development and redevelopment? (S5.C.6.d) Yes

Number	Permit Section	Question
55	S5.C.6.	All staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment, and construction sites including permitting, plan review, construction site inspections, and enforcement are trained to conduct these activities? (S5.C.6.e) Yes
56	S5.C.7.	Implemented maintenance standards that are as protective, or more protective, of facility function than those specified in the Stormwater Management Manual for Western Washington or a Phase I program approved by Ecology per S5.C.7.a.? Yes
57	S5.C.7.	Updated maintenance standards specified in Stormwater Management Manual for Western Washington per S5.C.7.a? (Required no later than June 30, 2022) No
58	S5.C.7.	Applied a maintenance standard for a facility or facilities which do not have maintenance standards specified in the Stormwater Management Manual for Western Washington? If so, note in the Comments field what kinds of facilities are covered by this alternative standard. (S5.C.7.a) No
59	S5.C.7.	Verified that maintenance was performed per the schedule in S5.C.7.a.ii when an inspection identified an exceedance of the maintenance standard. Yes
59a	S5.C.7.	Attach documentation of maintenance time frame exceedances that were beyond the Permittee's control. Not Applicable
60	S5.C.7.	Implemented an ordinance or other enforceable mechanisms to verify long-term operation and maintenance of stormwater treatment and flow control BMPs/facilities regulated by the permittee per (S5.C.7.b.i (a))? Yes
61	S5.C.7.	Annually inspected stormwater treatment and flow control BMPs/facilities regulated by the Permittee per S5.C.7.b.i(b) Yes
61a	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.b.i (b) Not Applicable
62	S5.C.7.	Achieved at least 80% of scheduled inspections to verify adequate long-term O&M. (S5.C.7.b.ii) Yes
63	S5.C.7.	Annually inspected all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i) Yes
63a	S5.C.7.	Number of known municipally owned or operated stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i) 51
63b	S5.C.7.	Number of facilities inspected during the reporting period. 51

Number	Permit Section	Question
63c	S5.C.7.	Number of facilities for which maintenance was performed during the reporting period. 37
64	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.c.i. Not Applicable
65	S5.C.7.	Conducted spot checks and inspections (if necessary) of potentially damaged stormwater facilities after major storms as per S5.C.7.c.ii. Yes
66	S5.C.7.	Inspected municipally owned or operated catch basins and inlets every two years or used an alternative approach? Cleaned as needed? (S.5.C.7.c.iii) Yes
66a	S5.C.7.	Number of known catch basins? 3906
66b	S5.C.7.	Number of catch basins inspected during the reporting period? 3890
66c	S5.C.7.	Number of catch basins cleaned during the reporting period? 3890
67	S5.C.7.	Attach documentation of alternative catch basin cleaning approach, if used. (S5.C.7.c.iii.(a)-(c)) Not Applicable
68	S5.C.7.	Implemented practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.7.d) Yes
69	S5.C.7.	Documented practices, policies, and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.7.d – Required by December 31, 2022) No
70	S5.C.7.	Implemented an ongoing training program for Permittee employees whose primary construction, operations or maintenance job functions may impact stormwater quality. (S5.C.7.e) Yes
71	S5.C.7.	Implemented a Stormwater Pollution Prevention Plan (SWPPP) for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee in areas subject to this Permit that are not required to have coverage under an NPDES permit that covers stormwater discharges associated with the activity. (S5.C.7.f) Yes
72	S5.C.7.	Updated, if needed, SWPPPs according to S5.C.7.f no later than December 31, 2022. No

Number	Permit Section	Question
73	S5.C.8	Adopted ordinance(s), or other enforceable documents, requiring the application of source control BMPs for pollutant generating sources associated with existing land uses and activities per S.5.C.8.b.i. (Required by August 1, 2022) No
74	S5.C.8	Established an inventory per S5.C.8.b.ii. (Required by August 1, 2022.) No
75	S5.C.8	Implemented an inspection program S5.C.8.b.iii (Required by January 1, 2023). No
76	S5.C.8	Implemented a progressive enforcement policy per S5.C.8.b.iv (Required by January 1, 2023). No
77	S5.C.8	Attach a summary of actions taken to implement the source control program per S5.C.8.b.iii and S5.C.8.b.iv. Not Applicable
78	S5.C.8	Attach a list of inspections, per S5.C.8.b.iii, organized by the business category, noting the amount of times each business was inspected, and if enforcement actions were taken. Not Applicable
79	S5.C.8	Implemented an ongoing source control training program per S5.C.8.b.v? No
80	S7	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A) Yes
81	S7	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A) TMDL actions2019_81_03172020102024
82	S8	Submitted payment for cost-sharing for Stormwater Action Monitoring (SAM) status and trends monitoring no later than December 1, 2019 (S8.A.1); and no later than August 15 of each subsequent year? (S8.A.2.a.) Yes
83	S8	Notified Ecology by December 1, 2019 which option you selected: S8.A.2.a, or S8.A.2.b. Yes
84	S8	Submitted payment for cost-sharing for SAM effectiveness and source identification studies no later than December 1, 2019 (S8.B.1); and no later than August 15 of each subsequent year (S8.B.2.a or S8.B.2.c)? Yes
85	S8	Notified Ecology by December 1, 2019 which option you selected: S8.B.2.a, or S8.B.2.b? Yes
86	S8	If conducting stormwater discharge monitoring in accordance with S8.C.1, submitted a QAPP to Ecology no later than February 1, 2020? (S8.C.1.b and Appendix 9) Not Applicable

Number	Permit Section	Question
88	G3	Notified Ecology in accordance with G3 of any discharge into or from the Permittees MS4 which could constitute a threat to human health, welfare or the environment. (G3) Not Applicable
89	G3	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A. Not Applicable
90	Compliance with standards	Notified Ecology within 30 days of becoming aware that a discharge from the Permittee's MS4 caused or contributed to a known or likely violation of water quality standards in the receiving water. (S4.F.1) Not Applicable
91	Compliance with standards	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a. Not Applicable
92	Compliance with standards	Attach a summary of the status of implementation of any actions taken pursuant to S4.F.3 and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d) Not Applicable
93	G20	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20) Not Applicable
94	G20	Number of non-compliance notifications (G20) provided in reporting year. List permit conditions described in non-compliance notification(s) in Comments field. 0

Attachments:

View Files Attached to Submission

	DocDescr	DocName	DocExt	DocID	SubID	AppName
View	WAR045507_21_03162020092408	2019 WSSOG Activities Report_21_03162020092408	.pdf	910240	1702802	wqwebportal
View	WAR045507_2_03302020110554	2020SWMPCoB_2_03302020110554	.pdf	923047	1702802	wqwebportal
View	WAR045507_26a_03162020093917	BremertonStewardship_26a_03162020093917	.docx	910252	1702802	wqwebportal
View	WAR045507_30a_03232020101028	StormwaterOutfalls191218_30a_03232020101028	.xlsx	911562	1702802	wqwebportal
View	WAR045507_4a_03162020083537	StormwaterPermitCoordPolicy011_4a_03162020083537	.pdf	910181	1702802	wqwebportal
View	WAR045507_81_03172020102024	TMDL actions2019_81_03172020102024	.docx	910657	1702802	wqwebportal
View	WAR045507-2019-ImportedIDDEs_03302020110816	WAR045507-2019-ImportedIDDEs_03302020110816	.xml	923048	1702802	wqwebportal

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WEST SOUND STORMWATER OUTREACH GROUP

2019 SUMMARY OF ACTIVITIES

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The WSSOG: Who We Are

The West Sound Stormwater Outreach Group is a group of jurisdictions working together to improve water quality, meet key requirements of the NPDES Phase II Stormwater Permit, and serve the collective needs of our jurisdictions in promoting good stewardship and preservation of our local waterways.

STELLA COLLIER
BAINBRIDGE ISLAND



TERESA SMITH
BREMERTON



WAYNE MATTHEWS
BRIENN ELLIS
GIG HARBOR



CAMMY MILLS
MICHELLE PERDUE
KYM PLEGER
KITSAP COUNTY



ZACK HOLT
PORT ORCHARD



NIKKI BENNETT
JUDY JIANG
NICOLE IUTZI
US NAVY



ANJA HART
POULSBO



JONATHAN BOEHME
LUCIO BAACK
JOEY BRADLEY
PORT ANGELES



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Permittees may choose to meet these requirements individually or as a member of a regional group. Regional collaboration...includes Permittees developing a consistent message, determining best methods for communicating the message...and creating strategies to effect behavior change. If a Permittee chooses to adopt...a regional program, the Permittee should participate in the regional group and shall implement the adopted element(s) of the regional program in the local jurisdiction.

NPDES Municipal Stormwater Permit - S5.C.2

***Cover Photo – Bainbridge Island human Orca mural
Stella Collier, City of Bainbridge Island***

2019 HIGHLIGHTS

2019 Highlights

OVERVIEW

In 2019, the group focused on maintaining and improving existing programs, preparing to embark on a new priority behavior to meet the new permit behavior change requirements, and monitoring regional efforts on potential future project targets.

The bulk of the group's work in 2019 revolved around the second year of a three-year contract with a consultant, C+C to select a new behavior and target audience and develop a social marketing campaign. This new campaign, centered around natural lawn care, will pilot in 2020.

This has been a year of transition for staff at several WSSOG jurisdictions. As a result, the person representing those jurisdictions at WSSOG meetings has changed. Wayne Matthews, with City of Gig Harbor, was replaced by Brienn Ellis. Jonathan Boehme, with City of Port Angeles, was replaced by Lucio Baack, and Lucio Baack was replaced by Joey Bradley. Nikki Bennett, with the US Navy, was replaced by Judy Jiang and Nicole Iutzi. Michelle Perdue, with Kitsap County, was replaced by Kym Pleger.

PET WASTE – CHANGING BEHAVIORS

Pet Waste in Public Areas

THE MUTT MITT PROGRAM

Members of the WSSOG continue to meet the requirements of **SS.C.2.a.ii** through the highly successful Mutt Mitt program.

This program focuses on encouraging dog walkers to pick up after their pets when they are in public places such as parks, apartment complexes, or neighborhoods.

Adoption of the target behavior is measured in part through growth of the program. As of the end of 2019, there are a total of 537 pet waste stations distributed throughout the Kitsap Peninsula, Gig Harbor and Port Angeles. It is noteworthy that some communities have adopted the behavior, without the support of the Mutt Mitt



program, purchasing their own pet waste stations and bags. This may be an indicator of a growing social norm related to scooping.

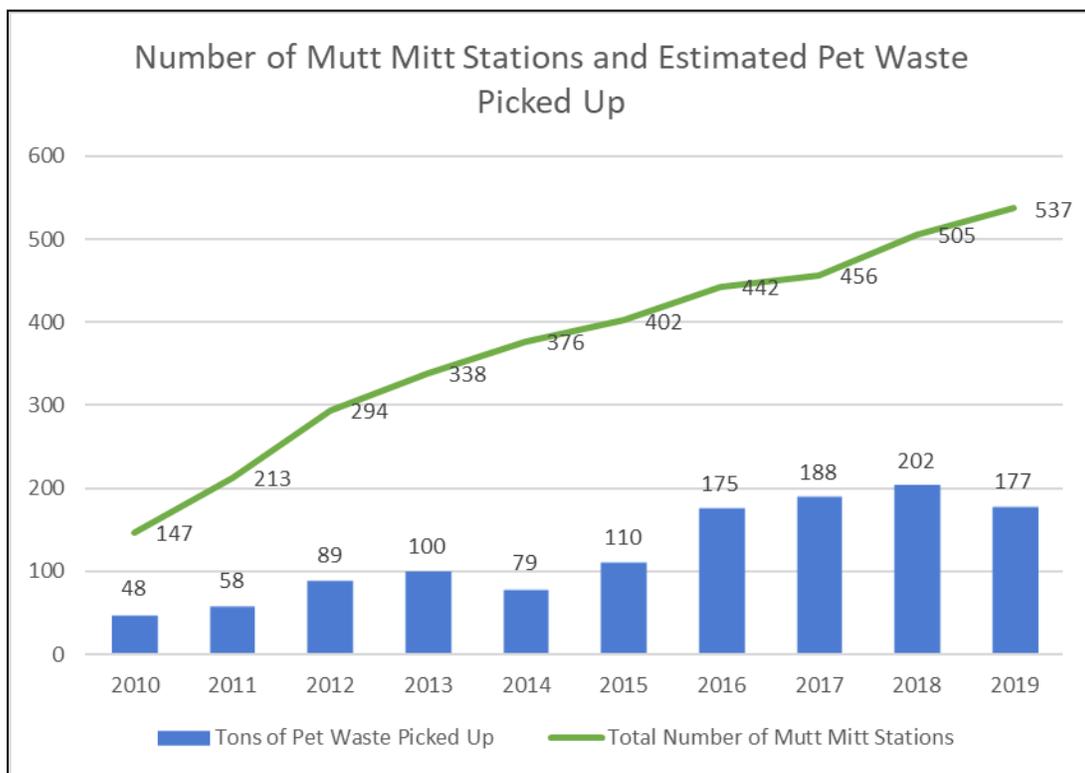
Bag total by location	
Bainbridge Island	10,300
Bremerton	170,000
Gig Harbor	144,000
Port Angeles	158,000
Port Orchard	36,000
Poulsbo	83,000
Kitsap County	355,600
Private Mutt Mitt Sponsors	118,760
Total	1,075,660

This means that dog walkers throughout the region see similar desirable behavior messaging for adoption as the norm. In 2019, 32 new Mutt Mitt stations were installed through the Mutt Mitt program.

When asked to report their bag usage, 43% of private station sponsors responded, reporting a total of 118,760 bags, which are purchased with their own funding. Actual bag use is likely higher since the majority of sponsors did not report bag usage. NPDES municipal permittee sponsored stations distributed a total of 956,900 bags. Therefore, the total number of bags distributed was 1,075,660, the equivalent of 177 tons of dog poop picked up.

PET WASTE – CHANGING BEHAVIORS

Dog walkers depend upon stations that are reliably stocked with bags to help them adopt this behavior. It is essential that Mutt Mitt branded stations are continuously stocked and in good working order. Kitsap County typically conducts inspections of all Mutt Mitt stations located within Bainbridge Island, Bremerton, Port Orchard and Poulsbo on an annual basis and all other stations located within the County on a biannual basis. However, due to tracking inspections in a new system (Cartegraph) an effort was made to inspect all stations in 2019. A total of 402 inspections were completed in 2019.



In 2019, 81% of all Mutt Mitt stations passed their inspection, meaning that they were stocked with bags. This pass rate is lower than what was seen in 2018 (87%) but similar to 2017 (79%) and 2016 (80%).

PET WASTE – CHANGING BEHAVIORS

TALKING (AND TOSSING) POOP FOR WATER QUALITY



The popular Poop Toss game continues to be used by the jurisdictions at community events like the Harbor Hounds Festival in Gig Harbor, the Clallam County Fair booth (sponsored by Port Angeles), WagFest and Kids' Day (sponsored by Kitsap County), and Petswalk (sponsored by Poulsbo and Kitsap County). The humorous nature of the game attracts participants of all ages and makes it easy to start a conversation about a topic people might otherwise have preferred to avoid.



Not only do game participants learn about the correct behavior when they play, they also receive a PSSH-branded clip-on bag dispenser for playing, which gives them the tool they need to implement the behavior and a physical reminder to reinforce the action long after the staff contact.



This game helped jurisdictions reach and engage nearly 2,000 citizens on proper pet waste pick up and disposal.

PET WASTE – CHANGING BEHAVIORS

Pet Waste at Home

BACKYARD PET WASTE CAMPAIGN

In 2018, the WSSOG piloted an effort to encourage people to pick up their dog’s waste at home. This effort promoted the use of a sticker placed on outdoor garbage cans at home to help set a social norm for scooping. The pilot effort used a postcard to promote the use of the sticker and importance of home scooping.

Following the pilot, the group evaluated the campaign and ultimately decided not to move forward with this target audience and BMP. The group continued distributing the remaining stickers at pet-related events and at the front counter of some jurisdictions’ offices.



Sticker front



Sticker back

Messaging about the importance of scooping at home was also featured in Everyday Kitsap, a publication distributed to all residents of Kitsap County and cities within Kitsap, reaching nearly 125,000 households.

PET WASTE – CHANGING BEHAVIORS

Because the evaluation of this campaign led the group to the determination not to pursue additional efforts with this BMP and target audience, the decision was made to select a new behavior and target audience per ***S5.C.2.a.ii.(c)3***. The group will continue maintaining and promoting the Mutt Mitt program and adding new growth as appropriate but will focus their behavior change efforts on the new BMP for the next few years.

ILLICIT DISCHARGE DETECTION AND ELIMINATION

Regional Spills Hotline Outreach

KEEPING SMALL SPILLS FROM BECOMING BIG PROBLEMS

The group continued to promote the Spills Happen campaign, meant to encourage people to report spills. Jurisdictions are currently posting their hotline on their websites as well as utilizing it on print materials.

OUTREACH TOOLS

The group also utilized other outreach methods, including:

- Over 4,800 paint sticks featuring the spills hotline phone number and a BMP message were distributed to locations throughout Kitsap County, Bainbridge Island, Bremerton, Port Orchard and Poulsbo. 1,000 more with the same message and Port Angeles' spills hotline number were distributed in that jurisdiction, as well as 800 with the same message and Gig Harbor's spills hotline number in that jurisdiction.
- Display of the upright "Spills Happen" banners at events, in billing offices and public spaces.
- Display of BMP-based banners with the "Spills Happen" branding at strategic locations.
- Bremerton promoted the hotline number on displays at community events such as Salmon Tours and Aqua Fair at Jarstad Park, among others. They also featured the Spills Happen branding on their sweeper trucks.
- Bainbridge Island distributed materials with the Spills Happen branding at their counter.
- Port Angeles promoted their hotline at their Home and Lifestyle Show.
- Over 300 magnets with the Spills Happen branding were distributed by Gig Harbor, Port Angeles and Poulsbo.



HOTLINE CALLS

A total of 84 calls were received in 2019 by Kitsap1 to the hotline number, and 6 were reported through the See/Click/Fix app (rolled out in late 2018 and available in Kitsap County and Kitsap County jurisdictions). In addition, some cities also received several reports directly to their jurisdictions. (Poulsbo – 2, Bremerton – 31, Port Orchard – 39, Port Angeles - 14) **(S5.C.3.d.ii)**.

ILLICIT DISCHARGE DETECTION AND ELIMINATION

TRAININGS

Jurisdictions provided trainings to their field staff on how to recognize, respond to and report spills (*S5.C.5.d.iii*).

- Bainbridge Island – 3 staff trainings
- Bremerton – 1 staff training using Excal Visual’s “Storm Watch” video for municipal employees
- Gig Harbor – 1 staff training including a Spills Guidance presentation from the Dept. of Ecology, who gave a demo of their Spills Response Truck
- Port Angeles – 6 staff trainings, including 1 IDDE/Spill Response joint training for City and Clallam County municipal workers; 1 Public Works staff annual IDDE refresher course; and 4 IDDE trainings for new employees.
- Port Orchard – 1 annual staff training
- Poulsbo – 1 staff training for new employees
- Kitsap County – 5 staff trainings for three different departments

PUGET SOUND STARTS HERE

Puget Sound Starts Here

AROUND THE WEST SOUND

MAY IS PSSH MONTH

Puget Sound Starts Here (PSSH) is a regional effort to raise awareness about the harm to Puget Sound from polluted stormwater runoff as well as simple actions residents can take to reduce their impact. (*S5.C.2.a.i*). Local implementation of PSSH included a variety of outreach approaches, including the promotion of “Puget Sound Starts Here Month” in May.



BRAND OUTREACH

Outreach efforts included the popular distribution of beverage coasters and coffee sleeves to local restaurants and coffee shops. The group had 100% participation in the PSSH campaign in 2019, including distributing pet waste leash dispensers to capitalize on the existing pet waste program.

JURISDICTION	COASTERS	COFFEE SLEEVES	LEASH DISPENSERS	TOTE BAGS	CARABINERS	TOTAL IMPRESSIONS
Bainbridge Island	1,500		50	300		1,850
Bremerton	2,000		200		30	2,230
Gig Harbor	200	150	50		40	440
Kitsap County	4,000	10,000	1,650			15,650
Poulsbo	800	3,100	66		38	4,004
Port Angeles	1,000	1,325	586			2,911
Port Orchard						
						27,085

Based on feedback from participating coffee shops that hot drink sleeves are better received in the winter months, several jurisdictions continued their successful secondary distribution of coffee sleeves in the winter months.

Collectively, these efforts placed over 27,000 “Puget Sound Starts Here”-branded items in the hands of West Sound residents and visitors.

Jurisdictions also used the PSSH branding in other creative ways. Port Angeles utilized the *PSSH - Drains to Streams* messaging on curb markers installed around the City, as well as using the PSSH branding on posters, fliers and handouts at the Public Works front counter.

PUGET SOUND STARTS HERE

ADVERTISING

Theater Ads

Several jurisdictions continued their practice of running on-screen cinema ads featuring PSAs about stormwater best management practices.

Contracts typically included that an ad run at least two times prior to each feature film on every screen throughout the month, with amount of impressions each month depending on how many ads were in the cycle. Theatergoers could expect to see the ad within six minutes or less before the start of each movie, and if they were there earlier, could view those ads every six minutes in rotation.

The professionally produced 30-second PSAs used by Gig Harbor were produced by the City of Seattle for PSSH and featured the municipality's logo at the close. The 1:00 PSA for Port Angeles was professionally produced for the City of Olympia and used courtesy of that jurisdiction.

JURISDICTION	SCREENS	LENGTH	AD BUY	PROJECTED IMPRESSIONS
Gig Harbor	10 screens (Uptown Galaxy Theater)	:30	3 months (one ad per month)	18,000
Port Angeles	8 screens (Deer Park Cinemas)	1:00	2 months	12,000

The Natural Lawn Care ad for Port Angeles was also embedded on their City website; and the Comcast regional ads for Poulsbo were posted on Poulsbo's website and Facebook page.

PUBLIC PARTICIPATION

Getting People Involved

CREATIVE WAYS TO ENGAGE THE PUBLIC

Jurisdictions found creative ways to maximize partnership opportunities and engage with the public while promoting existing campaigns or programs.

- Bainbridge Island joined community members forming a human mural of an orca at Waterfront Beach Park as part of the Boater’s Fair, underscoring the connection between clean water and the life that depends upon it (see cover photo).
- Gig Harbor partnered with the Pierce Conservation District to put on the Children’s Water Festival; as well as the Rain Barrel Workshop, which distributed 15 new rain barrels into the community.
- Gig Harbor also provided watershed education at the Donkey Creek Chum Festival to over 900 people.
- Gig Harbor partnered with the Tacoma Pierce County Health Department to bring Natural Yard Care information to the public during a series of annual workshops.
- Kitsap County partnered with the Keyport Improvement Club and local artists to hold a Storm Drain Art event in downtown Keyport, installing artwork around 5 drains to make the connection between storm drains and Puget Sound.
- Stewardship opportunities in Poulsbo were provided by the City of Poulsbo Tree Board volunteers and the Fish Park Steering Committee. The Tree Board provided several activities, including tree education classes and neighborhood walks, tree planting events at stream corridors, and participation in the Poulsbo Fish Park Salmon Tours.
- Poulsbo’s Fish Park Steering Committee hosts monthly stewardship activities at the 40-acre urban nature park surrounding the Dogfish Creek estuary. Other additional opportunities occur throughout the year, including activities such as riparian and upland



PUBLIC PARTICIPATION

plant/landscape mitigation, installation, and maintenance. Volunteer stewards include individual citizens as well as staff and volunteers from churches, businesses, Western Washington University, North Kitsap schools, service organizations, and agencies (Noxious Weed Board, Kitsap Conservation District, United Way Day of Caring). 388 volunteers documented 1053 hours of work in 2019.

MAXIMIZING OUR REACH

Regional Partnerships for a Comprehensive Approach

STORM CONTINUES COORDINATING REGIONAL OUTREACH

Kitsap staff continues to represent the County and WSSOG cities as partners in the larger regional efforts of STORM. In 2019, Kitsap staff provided input at STORM's quarterly meetings, within the NPDES workgroup, and at the 2018 STORM Symposium. Significant accomplishments of the STORM group are summarized in their annual report (**included as Appendix A**).

WORKGROUPS

Kitsap staff worked with several small workgroups under STORM's umbrella in 2019 on issues of regional significance, including Natural Yard Care and Pet Waste, as well as the PSSH Committee.

STORM STEERING COMMITTEE

Kitsap County continues to represent the County and the WSSOG partnership as a working member of the STORM steering committee. This committee meets twice a month on tasks that guide the regional STORM group. Notable projects by the committee in 2019 included providing feedback on the Stormwater Work Group's SAM Effectiveness Studies for Education & Outreach, working on short- and long-term funding for the STORM Coordinator position, planning and facilitating the Symposium, and coordinating the regional Comcast advertising campaign.

LOOKING AHEAD AT 2020

On The Radar

MOVING INTO HIGH GEAR – DEVELOPING AND IMPLEMENTING

OVERVIEW

Working within the scope of the group's interlocal agreements, WSSOG members evaluated the Work Plan to guide 2020's activities. (Attached as Appendix B) The primary focus for the upcoming year will be to work with C+C on piloting and implementing a social marketing campaign to address the new Natural Lawn Care behavior. Additional tasks will include maintaining the existing Mutt Mitt, Spills Happen and PSSH programs, and potentially taking advantage of new opportunities raised by regional group efforts.

PET WASTE AND SPILLS – ONGOING CHALLENGES

The group will examine efficient and effective ways to continue the Mutt Mitt Program and IDDE program.

We will continue to promote the Spills Hotline through various outreach channels. Additionally, the See/Click/Fix reporting app, which adds enhanced reporting capability for Kitsap jurisdictions, will be marketed as an efficient way for citizens to make, view and track spills reports.

LAUNCHING A NEW CAMPAIGN

Building on the successful work between the group and their consultant, C+C in 2018-19 to select a new behavior and priority audience, 2020 will herald the implementation of a complete social marketing plan. Tasks will include the launch of a pilot campaign, and the development of an evaluation plan. These tasks represent the final phase of a three-phase project to choose, build, and launch a social marketing campaign to address nutrients in stormwater runoff. This project will continue into 2021, where the pilot will be evaluated and next steps for the campaign will be determined.

PSSH, STORM AND BEYOND

On a regional scale, the WSSOG will monitor STORM's continuing efforts to reduce automotive leaks and will participate in the Don't Drip and Drive campaign if it is reinstated. This campaign typically entails recruiting local automotive shops to participate in offering discounts and other incentives to encourage residents to find and fix leaks.

The WSSOG will also monitor STORM's evolution of the Puget Sound Starts Here campaign and will continue to promote local awareness. In May, the group will participate in Puget Sound Starts Here Month through outreach to local restaurants and coffee shops. Expanded distribution will continue to take place in winter in selected jurisdictions, as well as some potential evaluation

LOOKING AHEAD AT 2020

of these distribution methods.

Kitsap County will continue to represent the WSSOG group as a STORM Steering Committee and PSSH Committee member. We will continue to participate in the Mobile Business Outreach, Natural Yard Care, and Pet Waste workgroups and apply insights, approaches and materials gained from these workgroups as appropriate.

APPENDIX A: STORM ANNUAL REPORT

Appendix A: STORM Annual Report



2019 STORM Annual Report

BIG Collaboration

The Business Inspection Group's (BIG) purpose is to foster a culture of collaboration and communication where jurisdictions can learn from each other how to improve the development and implementation of business inspection source control programs. BIG's goals include the following:

- Increase knowledge of source control programs.
- Increase consistency in inspections, education and outreach, inventory development, enforcement, and messaging in regional programs.
- Increase collaboration between jurisdictions.
- Increase public awareness of storm water pollution prevention.
- Decrease illicit discharges and storm water pollution.
- Decrease overlapping inspections.

In 2019 BIG conducted a survey to gain knowledge of existing Phase I business inspection programs across the region and compiled the results into a report that provides comprehensive program information, examples of best practices and lessons learned addressing various elements of a business inspection program. You can find the report on the Washington Stormwater Center website.

Moving forward BIG will continue to collaborate on inspection best practices, multilingual outreach materials, data management and collection methods, inventory development, code development and changes as well as other aspects of source control.

For more information contact Susan McCleary at smccleary@ci.olympia.wa.us.

STORM Strategizes for Long Term Funding

For years, STORM has pieced together a variety of funding sources to "keep the lights on" in the organization. STORM has been funded through a combination of grants from Washington State Department of Ecology, other government agency grants, and by generous jurisdictions within the network.



However, as STORM matures to support Permittees with increasing education and outreach responsibilities, it requires a consistent funding structure. Funding a robust network with grants alone is time-consuming and does not provide predictable, stable funding. Additionally, grants that provide funding for operational costs, rather than programmatic work, are rare.

The Long Term Funding work group has been meeting monthly since the summer, moving through the deliberate and thoughtful process of developing a funding structure. We started with a stakeholder identification exercise and are now working to interview key stakeholders. We want to be sure to understand

folks' relationship to and understanding of STORM, as well as get their input regarding the value of STORM and their perspective on funding the network.

Interested in joining the Long-Term Funding work group or learning more? Contact Betsy Adams at badams@kirklandwa.gov.

Mark Your Calendar for 2020 STORM Meetings!

- February 27, 9:30am - 2:00pm, Edmonds City Hall
- May 14, 9:30am - 12:30pm, Center for Urban Waters (Tacoma)
- September 10, 9:30am - 12:30pm, King Street Center (Seattle)
- November 19, 9:00am - 3:30pm, Brightwater Center (Woodinville) - SYMPOSIUM!

About STORM

STORM stands for Stormwater Outreach for Regional Municipalities. We are a coalition of city and county governments working together to improve water quality in our lakes, rivers, streams, and Puget Sound by meeting outreach requirements from the federal Clean Water Act.

STORM's Vision: People living and working in our communities take actions that protect water quality within the Puget Sound Basin.

STORM's Mission: Work together with regional partners to address polluted runoff by advancing broad-scale behavior change.

If your municipality would like to join STORM, or receive our updates, send your request to Katherine Straus, Steering Committee Member, katherine.straus@cityoffederalway.com

Check out the STORM Resource Reservoir at pugetsoundstormgroup.org

STORM Collective Response Influences 2019 - 2024 NPDES Permit

In late 2017 the Department of Ecology published the first revision of the NPDES Phase I and II permits, which included nine proposed changes in the Public Education and Outreach section. The STORM Steering Committee conducted two surveys of the STORM membership and shared a collective response to the 2019-2024 Formal Draft Phase I and Phase II Permits. Additionally, concerns and suggestions for the E&O requirements were discussed in quarterly meetings, in dedicated conference calls, and with permit writers at the STORM 2018 Symposium.

The STORM Collective Response Phase I and Phase II Reports highlighted opinions shared by multiple Permittees, and included a complete listing of individual comments in its appendices. Nearly all formal comments from the STORM Collective Response reports were incorporated into the Phase I and Phase II 2019-2024 NPDES Permit.

Copies of the reports are located on the STORM Resource Reservoir.



Annual STORM Symposium Connects and Inspires

This year's Annual Symposium took place in Federal Way, a change from years past. Historically the Symposium has taken place at the Brightwater Education Center, but after feedback from STORM members looking for a more central location, the steering committee decided to hold it further south.

Attendees were treated to engaging presentations on everything from working with overburdened communities, to microplastics in Puget Sound, to a Business Inspection Group panel discussion.

STORM members also frequently ask for more time to network with their peers. To help meet that need, we ended the symposium with our first ever "Share Fair." Attendees enjoyed a potluck dessert while circulating around the room and learning from other STORM members about their exciting and varied stormwater education programs. Thank you to all who attended, presented and shared!

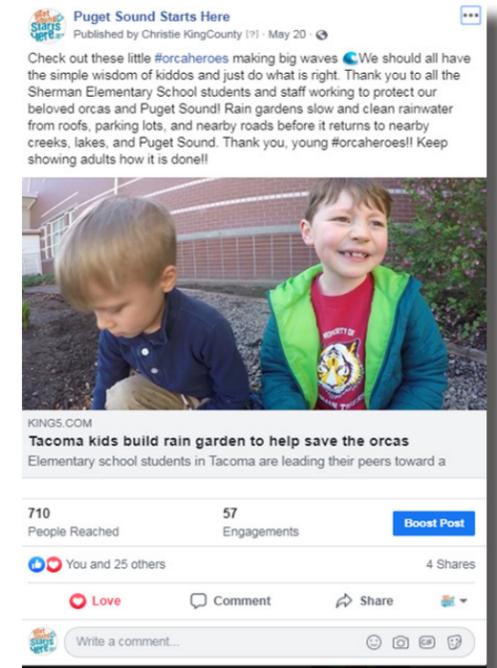


Orca Health Starts Here Month Recap

Each May, STORM celebrates Puget Sound Starts Here Month as a way to connect, inform, and empower our communities to use simple actions to help Puget Sound and the animals that live there. To emphasize the need to protect Puget Sound and the southern resident orcas, the theme this May was Orca Health Starts Here.

We asked people to recognize, thank, and honor #OrcaHeroes who are working to prevent stormwater pollution by posting their story with a picture on Facebook including the hashtag #OrcaHero and tagging @PugetSoundStartsHere. From picking up pet waste to building a rain garden, we wanted to hear about it!

During the #OrcaHero campaign, we had 10 different individuals and organizations recognize #OrcaHeroes for a total of 38 posts. It was great seeing how individuals across the region are committed to the health of Puget Sound and our orca whales!



Welcome Cameron Coronado, Our Newest Steering Committee Member!

Cameron works for the City of Lynnwood doing their environmental and surface water education and outreach. Cameron joined the STORM steering committee in September 2019.

He has experience working with various federal, state, and local agencies as well as tribes and non-profits. Cameron is a firm believer that small actions add up to have big effects and we can all do our part to leave this world a better place!



Annual Membership Survey Highlights



STORM builds our capacity to produce cost-efficient and effective education and outreach programs and messaging. Almost 3/4's of member jurisdictions participated in the 2019 STORM Annual Survey and reported which resources they used most frequently:

- 81% attended regional meetings
- 79% used Puget Sound Starts Here branded materials
- 56% participated in an E&O related work group
- 46% attended STORM-sponsored trainings

Strengthening STORM - NEP Grants

In 2019 STORM was awarded a \$222,000 National Estuary Program grant, awarded through Ecology, to support our collaborative efforts on stormwater outreach.

This grant supports the STORM Coordinator, the annual symposiums, professional development opportunities, and working with the ECO Net. It also provides funding for STORM work groups focused on prioritizing best management practices and pollutants for regional social marketing campaigns and investigating a long-term funding structure for STORM.

STORM will also receive another \$300,000 grant for the Puget Sound Starts Here regional awareness campaign! Want to get involved in planning the next big thing? #Orcasneedyou! Contact Mary Rabourn at Mary.Rabourn@kingcounty.gov.



Focus on Professional Development

In 2019 STORM was able to offer members a record number of free and highly subsidized professional development opportunities. Thank you to our presenters and to King County for their financial support!

- Social Marketing Workshop with Nancy Lee
- Stakeholder Engagement with Sarah Brace, VEDA Environmental
- Cohesive Teams and Decision-Making with Lauri Valenta, The Athena Group
- Plain Language with Elizabeth Whaley and Amy Mackay
- How to Explain Science, Share Data and Build Trust with Cathy Angell
- 15 Strategies for Keeping Your Audience Awake, Alert, and Interactive with Cathy Angell
- Municon Social Marketing Training and Panel



APPENDIX B: WSSOG 2020 WORK PLAN

Appendix B: WSSOG 2020 Work Plan

WSSOG 2020 WORK PLAN

Objectives from Exhibit "A" -
West Sound Stormwater Outreach Group Scope of Work & Budget for 2020-2022

Sustain successful efforts (Objective 2, Task 2.2)

- Continue Pet Waste outreach
 - Distribution of Backyard Pet Waste stickers
 - Consider outreach to vets on Backyard Pet Waste
 - Continue to implement updated Mutt Mitt E&O Plan
 - Sustain Mutt Mitt Program through an increase in the number of tracked stations
 - Participate in the regional STORM Pet Waste workgroup as appropriate
- Continue to implement Hotline outreach opportunities, including but not limited to:
 - Distribution of paint sticks
 - Promotion of the See Click Fix application
 - Advertise via a variety of channels as appropriate: digital, print or other media

New behavior campaign development (Objective 3, 4 and 5)

- Continue Natural Yard Care campaign development
 - Participate with consultant in the implementation of a pilot campaign to address the selected target behavior and audience. Pilot to include 2-5 retail events in partnership with the WSU Master Gardeners in spring 2020; including outreach, staffing, and a product discount (coupon)
 - Participate with consultant to draft an evaluation plan with specific, measurable and achievable outcomes
 - Participate with consultant on reporting out on pilot campaign as appropriate
- Monitor the progress of other jurisdictions' behavior change campaigns and adapt elements as appropriate

Other opportunities (Objective 6) – including optional activities with participation varying by jurisdiction

- Continue to participate in *Puget Sound Starts Here* outreach
 - Promote PSSH Month in May

- Distribute PSSH-branded merchandise, including but not limited to coffee sleeves, coasters and pet waste bag holders
 - Explore evaluation of PSSH outreach
- Provide lessons for school aged children
- Advertise via a variety of channels as appropriate: digital, print or other media
- Pilot field monitoring programs with High School and Elementary students
- Consider partnerships on stewardship opportunities as appropriate

Strengthen coalition and represent WSSOG on regional efforts (Objective 6 and 7)

- Participate on the STORM Strategic Planning Committee and PSSH Committee
- Participate in STORM's regional Natural Yard Care and Mobile Business workgroups as appropriate
- Provide STORM and PSSH support and attend Quarterly meetings
- Promote capacity building as needed
- Provide annual summary of activities and report out on programs as appropriate

City of Bremerton Stormwater Program

Stewardship opportunities:

Sinclair Inlet Cleanup Occurs in April and September where volunteers meet and collect trash around the City of Bremerton and along shorelines. There are posters to promote pet waste collection, don't drip and drive, sound car wash practices, and general pollution prevention.

Sinclair Inlet Clean-Up
Earth Day

Clean-up Sites:

- Port Orchard Shoreline, SR166 supported by South Kitsap High School
- Bremerton Waterfront supported by City of Bremerton
- Navy Yard Hwy. (SR 3 & SR 304)
- Evergreen, Lions', & Bachman Parks

Meeting Sites:

- Port Orchard Annapolis Ferry Dock Kiosk, near shoreline SR 166 Port Orchard, WA 98366
- Downtown Bremerton 150 Washington • Harborside Boardwalk/ Hampton Inn Parking Garage Turn-Around Area (short walk from WA State Ferry Terminal)

Save Sinclair
11:00 AM - 2:00 PM
Saturday

Posters provided by Blue Sky Printing of Pouabon. Refuse collection and disposal provided by Waste Management (WM). Materials and refreshments provided by local merchants. Free parking for volunteers provided at all sites.

This event is coordinated by community volunteers and Kitsap Trees & Shorelines Association (KITSA). Project support provided by City of Bremerton, Kitsap County's Clean Water Kitsap and Public Works Programs and WA State Dept. of Transportation (WSDOT).

Logos: Kitsap County Public Works, B, WASHINGTON STATE UNIVERSITY EXTENSION, Clean Water Kitsap, WM, KITSA, Kitsap County, WA State Ferry Terminal, WSDOT.

For information, contact John Denis, (360) 731-9491 • denis_j@yahoo.com Chance Berthiaume, (360) 473-5929 • chance.berthiaume@ci.bremerton.wa.us

Residential Rain Garden Program

Bremerton's Rain Garden Program is a collaborative effort between the City's Stormwater, Wastewater Utilities, and Kitsap Conservation District. Rain gardens and pollution prevention education are provided to interested property owners within the City limits.

OBJECTID	OF_FUNCATIO	OF_Location	Storm	Lift_Stn	Outfall Name	Pipe_Size
1	CSO	2498 Snyder Ave.	YES	CW-2	CSO 8	24
2	SD OUTFALL	End of Sheridan	YES	N/A	ST 1	54
3	SD OUTFALL	Lebo / Yew	YES	N/A	ST 2	24
4	SD OUTFALL	Campbell Way (Whtn)	YES	N/A	ST 4	18
5	SD OUTFALL	E 16th Street	YES	N/A	ST 5	12
6	SD OUTFALL	Marlowe, E. 13th	YES	N/A	ST 6	42
7	SD OUTFALL	Shore Drive, corner, bet	YES	N/A	ST 10	8
8	SD OUTFALL	Shore & 10th Street	YES	N/A	ST 9	12
9	SD OUTFALL	End of East 11th	YES	N/A	ST 8	12
11	SD OUTFALL	End of Nipsic, off Shore	YES	N/A	ST 11	8
16	SD OUTFALL	944 Washington	YES	N/A	ST 16	15
17	SD OUTFALL	Evergreen Park @ 14th	YES	N/A	ST 27	42
18	SD OUTFALL	End of Park Drive	YES	CE-2	ST 19	8
19	SD OUTFALL	Evergreen Park	YES	N/A	ST 18	36
20	SD OUTFALL	McKenzie, Sheldon	YES	N/A	ST 17	12
21	SD OUTFALL	N. end of Chester Ave	YES	N/A	ST 20	12
22	SD OUTFALL	Btwn Ohio & High	YES	N/A	ST 21	15
23	SD OUTFALL	Stevens Drive	YES	CW-3	ST 24	12
24	SD OUTFALL	End of 26th, Wycoff	YES	N/A	ST 23	12
25	SD OUTFALL	End of Thompson	YES	N/A	ST 22	18
26	SD OUTFALL	Stephenson (Creek)	YES	N/A	ST 3	36
30	CSO	2301 19th Ave.	YES	CW-1	CSO 9	36
31	CSO	1715 Pennsylvania Ave.	YES	N/A	CSO 10	10
32	CSO	1733 High Ave.	YES	N/A	CSO 11	42
33	CSO	1821 Ohio Ave.	YES	CW-4	CSO 12	24
34	CSO	1750 Park Ave.	YES	CE-1	CSO 13	42
35	CSO	Ferry Terminal	YES	CE-6A	CSO 16	30
38	SD OUTFALL	Shore Drive, near OF7	YES	N/A	ST 12	24
40	CREEK OUTFALL	Ostrich Bay	YES	N/A	CREEK OUTFALL	36
41	SD OUTFALL	Oyster Bay Ave.	YES	N/A	ST 26	30
42	SD OUTFALL	Charlseton Bch Rd/PSNS	YES	N/A	ST 28	84
46	SD OUTFALL	Highland Ave	YES	N/A	Highland	18
55	SD OUTFALL	Near Corbet Drive, Nort	YES	N/A	ST 25	30
456	SD OUTFALL	Lions Field North	YES	N/A	Lions Field	12
2457	SD OUTFALL	Phinney Bay Rd	YES	N/A	Phinney Bay	18
2458	SD OUTFALL	Oyster Bay Estates	YES	N/A	Oyster Bay Estates	8
2459	SD OUTFALL	Marine Dr and Kelly Rd	YES	N/A	Marine Drive	24
2858	SD OUTFALL	South of Second St on B	YES	N/A	HS 2	6
3658	Detention pond	Wright Creek Bus. Park	YES	N/A	Wright Creek Bus.	30
3659	SD OUTFALL	Pendergast Park	YES	N/A	Pendergast Park	12
3660	SD OUTFALL	Oyster Bay	YES	N/A	Oyster Bay Wilmor	12
3661	SD OUTFALL	Oyster Bay	YES	N/A	Oyster Bay 2	24
3662	SD OUTFALL	Ostrich Bay	YES	N/A	Ostrich Bay	21
3663	SD infiltration	Loxie Eagans and Arsen	YES	N/A	Marion Pond	27
3664	Private pond	Marion Ave.	YES	N/A	Fenske Pond	6
3665	SD OUTFALL	Phinney Bay	YES	N/A	Phinney Bay Rd. 2	15

3666	SD OUTFALL	Phinney Bay	YES	N/A	Phinney Bay Rd.		12
3667	Private outfall	Phinney Bay	YES	N/A	Phinney Bay Dr.		8
3668	SD OUTFALL	Anderson Cove	YES	N/A	Walker Park		12
3669	CREEK OUTFALL	Schley Canyon Creek	YES	N/A	Schley Canyon		36
4072	SD OUTFALL	1360 Jacobsen Blvd	YES	N/A	ST 13B		18
4536	SD OUTFALL	1401 Jacobsen Blvd	YES	N/A	ST 13		18
4538	CSO	OF 6	YES	EB-6	CSO 6		12
4539	SD OUTFALL	Tracyton Bch Rd	YES	N/A	TBR-1		12
4540	SD OUTFALL	Tracyton Bch Rd	YES	N/A	TBR-7		12
4541	SD OUTFALL	Tracyton Bch Rd	YES	N/A	TBR-6		8
4542	SD OUTFALL	Tracyton Bch Rd	YES	N/A	TBR-5		12
4543	SD OUTFALL	Tracyton Bch Rd	YES	N/A	TBR-4		12
4544	SD OUTFALL	Tracyton Bch Rd	YES	N/A	TBR-3		18
4545	SD OUTFALL	Tracyton Bch Rd	YES	N/A	TBR-2		12
5064	SD OUTFALL	End of Second Street	YES	N/A	ST 14		20
5993	Private outfall	Bremerton Gardens Nor	YES	N/A	BG-1		8
6029	SD OUTFALL	Kitsap Lake Marsh	YES	N/A	KL 10		12
6030	SD OUTFALL	Kitsap Lake East	YES	N/A	KL 9		21
6516	SD OUTFALL	Kitsap Lake East	YES	N/A	KL 8		18
6517	SD OUTFALL	Kitsap Lake East	YES	N/A	KL 7		21
6518	SD OUTFALL	Kitsap Lake East	YES	N/A	KL 4		8
6519	SD OUTFALL	Kitsap Lake East	YES	N/A	KL 3		24
6520	SD OUTFALL	Kitsap Lake North	YES	N/A	KL 2		18
6521	SD OUTFALL	Kitsap Lake North	YES	N/A	KL 1		18
6522	SD OUTFALL	Kitsap Lake East	YES	N/A	KL 6	N/A	
6523	SD OUTFALL	Kitsap Lake East	YES	N/A	KL 5	N/A	
6955	SD OUTFALL	Kitsap Lake Marsh	YES	N/A	KL 11		12

Material	DrainageAcres	Receiving_Waters	LONGITUDE	LATITUDE
Cast Iron	84	Port Washington Narrows	47.584283	-122.651590
CMP	963	Port Washington Narrows	47.586276	-122.646480
Conc	42	Port Washington Narrows	47.584030	-122.642384
HDPE	181	Port Washington Narrows	47.580480	-122.628181
Cast Iron	9	Port Washington Narrows	47.573774	-122.618264
Conc	121	Port Washington Narrows	47.572232	-122.619778
Conc	1	Port Washington Narrows	47.567501	-122.614050
Conc	5	Port Washington Narrows	47.569073	-122.616421
Conc	27	Port Washington Narrows	47.570381	-122.617474
Conc	1	Port Washington Narrows	47.567701	-122.610382
CMP	11	Port Washington Narrows	47.571139	-122.622917
Conc	125	Port Washington Narrows	47.574775	-122.626066
Conc	2	Port Washington Narrows	47.575853	-122.628142
Conc	99	Port Washington Narrows	47.575492	-122.627922
Conc	16	Port Washington Narrows	47.573336	-122.628631
PVC	22	Port Washington Narrows	47.578109	-122.635640
Conc	6	Port Washington Narrows	47.577838	-122.638230
Conc	10	Port Washington Narrows	47.587662	-122.654243
Conc	22	Port Washington Narrows	47.585813	-122.653154
Conc	3	Port Washington Narrows	47.578658	-122.643605
Conc	354	Port Washington Narrows	47.582130	-122.636623
Conc	65	Port Washington Narrows	47.578602	-122.647754
Conc	40	Port Washington Narrows	47.578494	-122.642089
Conc	115	Port Washington Narrows	47.578272	-122.640557
Conc	19	Port Washington Narrows	47.578445	-122.637692
Conc	7	Port Washington Narrows	47.577277	-122.630268
HDPE	53	Sinclair Inlet	47.562088	-122.625462
Cast Iron	109	Sinclair Inlet	47.568618	-122.607763
Open Chan	424	Ostrich Bay	47.575131	-122.682162
Conc	139	Oyster Bay Ave.	47.569849	-122.669999
Conc	411	Sinclair Inlet	47.553383	-122.657331
HDPE	4	Port Washington Narrows	47.573817	-122.625771
CMP	88	Phinney Creek	47.572368	-122.660145
Conc	2	Port Washington Narrows	47.585194	-122.644528
Conc	40	Phinney Bay	47.581976	-122.659232
PVC/Priv	18	Oyster Bay	47.570988	-122.669325
Conc	73	Oyster Bay	47.578013	-122.672736
PVC	2	Sinclair Inlet	47.563564	-122.623564
Conc	18	Wright Creek	47.548839	-122.687063
PVC	40	Wright Creek	47.552300	-122.687609
Conc	3	Oyster Bay	47.570381	-122.678523
Conc	16	Oyster Bay	47.570854	-122.678945
Conc	7	Ostrich Bay	47.576151	-122.684088
Conc	30	pond	47.559296	-122.663374
Conc	60	pond	47.562566	-122.663177
Conc	3	Phinney Bay	47.585225	-122.658701

Conc	4 Phinney Bay	47.585767	-122.658863
Conc	10 Phinney Bay	47.587078	-122.657668
PVC	10 Anderson Cove	47.578588	-122.648029
CMP	160 Port Washington Narrows	47.575059	-122.621121
Conc	7 Sinclair Inlet	47.573033	-122.604676
Conc	45 Sinclair Inlet	47.574005	-122.603330
Conc	21 Port Washington Narrows	47.585669	-122.646049
Conc	21 Port Washington Narrows	47.587441	-122.647690
Conc	128 Port Washington Narrows	47.599012	-122.655877
Conc	10 Port Washington Narrows	47.597575	-122.656489
Conc	3 Port Washington Narrows	47.596226	-122.656005
Conc	1 Port Washington Narrows	47.595002	-122.654880
Conc	17 Port Washington Narrows	47.593900	-122.654401
Conc	23 Port Washington Narrows	47.593197	-122.654035
Conc	19 Sinclair Inlet	47.563756	-122.624573
Conc	3 infiltration	47.576031	-122.620887
Conc	1 Kitsap Lake	47.565630	-122.702098
CMP	13 Kitsap Lake	47.568165	-122.700053
CMP	12 Kitsap Lake	47.568943	-122.700046
CMP	14 Kitsap Lake	47.569912	-122.699862
CMP	4 Kitsap Lake	47.575285	-122.700455
Conc	68 Kitsap Lake	47.577310	-122.702558
Conc	23 Kitsap Lake	47.579333	-122.706146
Conc	26 Kitsap Lake	47.579803	-122.707690
Open Chan	12 Kitsap Lake	47.571840	-122.700172
Open Chan	17 Kitsap Lake	47.574542	-122.699484
Conc	69 Kitsap Lake	47.565009	-122.701858

CITY OF BREMERTON		Municipal NPDES Stormwater Permit Compliance Coordination for all City Departments
INDEX 2-30-14	EFFECTIVE DATE: July 1, 2015 REVIEW DATE: <i>11/18/2018</i> REVISED DATE:	APPROVED <i>Patty Lent</i>

Goal:

The City of Bremerton was issued a Western Washington Phase II Municipal Stormwater Permit (Permit) by the Washington State Department of Ecology (Ecology) in 2007. The Permit is a National Pollutant Discharge Elimination System (NPDES) federal permit that allows municipal separate stormwater sewer systems (MS4) to discharge to waters of the state. The Permit includes broad ranging requirements that impact many City departments.

The updated Permit, January 2014, (Section S5.A.5.b) requires a coordination mechanism among departments to eliminate barriers to compliance with the terms of the permit. This policy provides clarification of departmental roles and responsibilities to comply with the Permit. Permit updates may add further requirements which will be defined and distributed through the Stormwater Permit Coordination Group to the affected department.

Permits - Stormwater Program:

- 1) NPDES Phase II Municipal Stormwater Permit #WAR04-5507: City-wide permit regulates stormwater discharges from the City's MS4. A stormwater pollution prevention plan (SWPPP) is required for City facilities, buildings, treatment plants and parks properties. Development and implementation is based on the Permit requirements and *Good Housekeeping Practices (Center for Watershed Protection - Manual 9)*.
- 2) Industrial Stormwater General Permit (ISGP): Port of Bremerton (POB) operates under an ISGP issued and enforced by Ecology, #WAR-000901. The City works with the POB to provide education and support. The airport, industrial park and private roadways are covered by the POB's ISGP. Annual reports to Ecology are prepared by POB.
- 3) Conditional No-Exposure Exemption (CNE): Bremerton's Wastewater Treatment Plant (WWTP) has a CNE issued by Ecology. The WWTP maintains compliance with and requests renewal as needed.
- 4) Construction Stormwater General Permit: Issued and enforced by Ecology for construction projects that disturb > 1 acre of land. The City of Bremerton inspects and documents Temporary Erosion and Sediment Control (TESC) installation, condition and effectiveness to protect the City's stormwater system from pollutants. The project manager/contractor is responsible to

comply with this permit's requirements.

Note:

NPDES Waste Discharge Permit #WA-002928-9 is separate from the Stormwater Permit: WWTP permit regulates the operation of the WWTPs and combined sewer overflow outfalls. Compliance and reporting is managed by the Wastewater Utility Manager.

Policies:

- 1) The Permit is a broad ranging federal municipal stormwater permit requiring citywide compliance.
- 2) Lead Department: The Public Works and Utilities Department (PW&U) shall be the City's lead for coordinating compliance with the Permit. PW&U shall be responsible to identify compliance requirements and each Department is responsible to implement these requirements at facilities or for activities under their purview.
- 3) Departments responsible for any portion of the Permit shall work cooperatively with the Lead Department by understanding and fulfilling their responsibilities and responding to and providing accurate tracking and reporting information in a timely manner when requested.
- 4) Lead Department shall inform all City staff of the general hazards associated with illicit discharges and improper disposal of waste (Section S5.C.3.iv).
- 5) All municipal field staff and first responders, including Fire and Police, are responsible for reporting illicit discharges and spills to the City's Spill Hotline (360) 473-5920.
- 6) All departments are responsible for working with the NPDES Permit Coordinator to resolve instances of Permit noncompliance, including:
 - a. General terms and conditions of the Permit
 - b. Administrative, development, and implementation of Permit requirements
 - c. Reporting, tracking, and documentation of required activities
 - d. Identifying steps and a timeline for resolving issues of non-compliance, and submit as a Non-Compliance Notification to Ecology for failure to comply with permit terms and conditions. Required within 30 days of becoming aware of a non-compliance issue.
- 7) Compliance with Standards
 - a. All City operations with potential to impact stormwater shall follow applicable building and land management standards, including:
 - Site specific Stormwater Pollution Prevention Plan (SWPPP)
 - Stormwater Management Manual for Western Washington
 - Good Housekeeping Practices (Center for Watershed Protection - Manual 9)

- City of Bremerton Integrated Vegetation Management Plan
- 8) Stormwater development review, inspection, and stormwater and road maintenance activities shall use applicable manuals, policies, and guidelines listed below or as updated:
- Bremerton Municipal Code Chapter 15.04.020 – Adoption of Manuals
 - City of Bremerton Stormwater Maintenance Manual
 - Regional Road Maintenance ESA Program Guidelines
- 9) Departments are responsible for understanding, implementing and meeting Permit requirements including: training staff, implementing policies, keeping records, and providing accurate tracking and reporting data for the programs under their responsibility.
- 10) Fines and penalties for non-compliance: Ecology performs periodic Permit compliance audits. Fines can be issued for areas of non-compliance. When a fine is issued it will be paid for by the department in violation. Ecology and third parties, including citizens and environmental groups, can sue municipalities for not complying with permits. Penalties for non-compliance include fines of up to \$10,000/day/violation.

11) Departmental Responsibilities

It is the responsibility of the department director to assign duties and responsibilities to appropriate members of their staff and ensure they are being implemented correctly.

a. Executive – Mayor

The Mayor is responsible for certifying compliance with the terms of the Permit for the stormwater system the City owns or operates. The City is required to comply with all conditions of the Permit, including any appendices referenced therein. Certification of compliance with the Permit states:

“I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that Qualified Personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for willful violations.”

b. Public Works and Utilities

Stormwater Permit compliance requirements are included in the Permit itself, and Sections: S5.C.1 Public Education and Outreach, S5.C.2 Public Involvement, S5.C.3 Illicit Discharge Detection and Elimination (IDDE),

S5.C.5 Operations and Maintenance, and S5.C.4. Controlling Runoff from New Development, Redevelopment and Construction Sites.

The City's NPDES Stormwater Permit Coordinator reports to the Water Resources Manager who reports to the PW&U Director. The NPDES Permit Coordinator's duties include:

- Prepare and submit Stormwater Permit submittals to Ecology.
- Coordinate Stormwater Permit efforts for the City, including: collecting, tracking and reporting data provided by departments, preparing and submitting annual reports and updates to Ecology.
- Chair the Stormwater Permit Coordination Group (see section 12).
- Assist City departments to identify and understand responsibilities for their sections of the Permit.
- Assist in the development and update of programs or procedures necessary to meet Permit requirements.
- Provide training as necessary or requested.
- Work with departments to identify and resolve issues of non-compliance, drafting and submitting Non-Compliance notifications to Ecology.
- Assist with illicit discharge detection and elimination (IDDE) identification and reporting training for City field staff.
- Assist with code integration and code revisions as required by the Permit.
- Oversee and review the Stormwater Utility Budget.
- Provide point of contact for Department of Ecology regarding issues of the Permit.
- Coordinate with local, state and federal agencies, as needed, to comply with the permit and stormwater projects.

Public Works Facilities Division:

- Conduct monthly inspections and coordinate maintenance of all city-owned or operated stormwater facilities located on properties under their purview (excluding Parks Department properties).
- Develop, implement and maintain Stormwater Pollution Prevention Plans (SWPPP) for city owned Facilities (excluding Parks Department properties).

Engineering Division:

Is responsible for general compliance and implementation of requirements in Section S5.C4 of the Stormwater Permit entitled "Controlling Runoff from New Development, Redevelopment and Construction Sites". These

responsibilities include, but are not limited to:

- Review development submittals with adopted standards and policies.
- Track development projects under construction.
- Track and justify deviations (e.g. variances, exceptions etc.) from adopted stormwater development standards.
- Inspect and ensure stormwater treatment, BMPs, and facilities are constructed and installed as approved through development plan review process.
- Inspect, document, and enforce TESC and source control BMPs for capital and development construction projects in the City.
- Conduct ongoing biannual inspection of all permanent stormwater treatment and flow control BMPs/facilities and catch basins in new residential developments until the developments reach 90% buildout.
- Collect and distribute final as-built stormwater system drawings for new developments and redevelopments to designated GIS and Public Works staff.
- Ensure new developments and redevelopments submit stormwater system maintenance manuals and covenants for review, approval and recording prior to final approval and acceptance of the project.
- Ensure stormwater maintenance manuals are site or facility specific and in compliance with adopted guidance, manuals and standards.
- Distribute copies of recorded stormwater maintenance covenants, plats and maintenance obligations to appropriate supervisors and the Permit Coordinator.
- Update and maintain stormwater system GIS map with new and redeveloped stormwater facilities as projects are accepted and closed. Includes private and public systems as-built. (Operations and other field staff will provide mapping and data support through normal operations).
- Report all above and permit-required activities to the Permit Coordinator for the annual report or as requested.

c. Community Development

Responsible for general compliance and parts of Section S5.C4 of the Stormwater Permit entitled "Controlling Runoff from New Development, Redevelopment and Construction Sites". These responsibilities include, but are not limited to:

- Report annexations.
- Update codes, policies, plans, programs, procedures, and standards as appropriate and applicable to the Planning Department to comply

with Permit requirements.

- Conduct development review in compliance with adopted standards and policies.
- Track development review.
- Update codes, policies, plans and standards, implemented by or under the purview of Community Development, with Engineering, necessary to meet requirements of the Permit.
- Report all above and permit required activities to the Permit Coordinator for the annual report or as requested.

d. Finance

- Track costs to implement Permit requirements by providing project numbers and accounting of expenditures to implement Permit requirements.
- Provide Geographic Information System (GIS) and database support that allows for mapping, documentation and tracking of activities performed by City departments and staff.
- Support GIS and database that enables City staff to update, modify and change map attributes in the field and enhances staff's ability to investigate IDDE issues.
- Support database development that provides the tools to document maintenance, construction site inspections, temporary erosion control and sediment issues, track correspondence and site work.

e. Parks and Recreation

- Develop, implement, and update Stormwater Pollution Prevention Plans (SWPPP) for stormwater facilities on Parks Department properties.
- Perform operation and maintenance activities following adopted building and land management standards (See section 6 of this policy).
- Inspect, maintain, and repair all stormwater systems, treatment and control BMPs/facilities; document as required by the Permit and site specific SWPPP.
- Provide stormwater system attributes and GIS mapping data for facilities under their purview.
- Provide maintenance and inspection reports to the Permit Coordinator for the annual report.

f. Police and Fire Departments

First responders can reduce the pollution potential of accidents, spills, and

fires. Although secondary to their primary mission, early assessment and dispatch request for cleanup efforts will reduce the impact of pollutants on the environment and stormwater system.

- When practical, implement spill containment and cleanup procedures.
- Call 911 to dispatch Public Works and Utilities for cleanup assistance, as needed.
- Notify Public Works and Utilities if pollutants enter the stormwater system or material needs to be cleaned up after an incident at (360) 473-5920 or 911 (CENCOM Dispatch).

Discharge from emergency firefighting activities is one of the very few non-stormwater flows authorized in the Permit. Notification that fire suppression materials entered the stormwater system to the Public Works and Utilities at (360) 473-5920 is necessary for cleanup and Permit reporting purposes.

However, foam or contaminated water from testing of pump equipment and foam suppression systems is not authorized to be disposed of in the stormwater system. The use of BMPs to disperse water and foam away from the stormwater system or ponds is required when training or testing equipment.

12) Stormwater Permit Coordination Group

A Stormwater Permit Coordination Group (SWPCG) will be created to effectively coordinate the broad ranging requirements of the Stormwater Permit. Affected departments include Community Development, Finance, Fire, Parks and Recreation, Police and Public Works and Utilities. A representative from each department shall be assigned to the coordination group. Additional departments may be added to support Permit requirements. A Stormwater Permit Coordination Group standard operating procedure will be developed.

City of Bremerton TMDL Requirements and Actions in 2019-20

Western Washington Phase II Municipal Stormwater Permit Appendix 2 Total Maximum Daily Load (TMDL) Requirements	
Name of TMDL	Sinclair and Dyes Inlets Fecal Coliform Bacteria Total Maximum Daily Load
Document(s) for TMDL	<i>Sinclair and Dyes Inlets Fecal Coliform Bacteria Total Maximum Daily Load (TMDL) Water Quality Implementation Plan</i> , In Draft, Ecology Publication No. 11-10-051. https://fortress.wa.gov/ecy/publications/publications/1110051.pdf
Location of Original 303(d) Listings	Dyes Inlet & Port Washington Narrows (WA-15-0020) Gorst Creek (WA-15-4000) Blackjack Creek (WA-15-4200) Annapolis Creek (WA-15-4400) Beaver Creek (WA-15-4900) Clear Creek (WA-15-5000) Barker Creek (WA-15-5100) Sinclair Inlet (WA-15-0040)
Area Where TMDL Requirements Apply	These requirements apply to areas served by MS4s listed below within the TMDL coverage area.
Parameter(s)	Fecal coliform bacteria
EPA Approval Date	July 5, 2012
MS4 Permittee:	Phase II Permit: City of Bainbridge Island, WAR04-5503; City of Bremerton, WAR04-5507; City of Port Orchard, WAR04-5536; Kitsap County, WAR04-5546

City of Bremerton (requirement language from the NPDES Permit)

- Designate any previously unscreened areas discharging via the MS4 to the TMDL area as the highest priority for illicit discharge detection and elimination routine field screening. Screen for bacteria sources when conducting illicit discharge detection and elimination field screening activities in these areas. Implement the schedules and activities identified in S5.C.5 of the Western Washington Phase II Permit for response to any illicit discharges found.
- Install and maintain pet waste education and collection stations at municipal parks and other Permittee owned and operated lands adjacent to stream and marine shorelines. Focus on locations where people commonly walk their dogs.

Compliance with Total Maximum Daily Load (TMDL) Requirements

Bremerton cleans 90% of the MS4 and all stormwater flow control and treatment facilities annually and targets areas to clean pipes as well. MS4 operation and maintenance, including private stormwater system inspection and maintenance efforts, will target facilities discharging into Oyster and Ostrich Bays in 2020. Pet waste bag dispensers and trash cans have been installed throughout the City at sensitive locations close to waterways and public parks for a total of 50 City-owned stations and approximately 18 additional units that are maintained by private citizens. Additional dispensers will be installed this year in ROW and city-owned properties as needed.

Water Quality Improvement Projects

In 2020, stormwater treatment retrofit projects to help address TMDL goals and improve general water quality in Oyster and Ostrich Bays will be designed and constructed. The selected treatment systems provide basic, enhanced, and phosphorus treatment for stormwater prior to discharging into Ostrich Creek. A wastewater system project that will eliminate beach main connection and install grinder pumps that discharge to upland sewer is under design to eliminate a beach main sewer in Oyster Bay.

IDDE Actions:

Areas discharging, via MS4, to Phinney and Ostrich Bay Creeks, Oyster and Ostrich Bays, and to shorelines along Port Washington Narrows are the highest priority areas for IDDE routine field screening. A series of 10 Modular Wetland Treatment Systems were installed as part of the Lebo Community Boulevard Improvement project. In 2019, three stormwater treatment systems were installed on Marine Drive and one on Kitsap Way in the Marine Drive Stormwater Treatment Retrofit construction project. More stormwater treatment will be provided at 15 locations with the Ostrich Bay Creek Stormwater Treatment Retrofit project in 2020-21.

Bremerton has had an ongoing dry weather outfall reconnaissance inventory program since 1997. Outfalls will again be inspected and screened for illicit connections during dry weather in 2020. If an illicit discharge is found, Bremerton will follow the IDDE program protocols to locate the source of the contaminant and correct the problem.

Kitsap Public Health works with Bremerton Public Works (BPW) through their Pollution Identification and Correction program (PIC). When they locate a site with elevated fecal coliform bacteria they notify BPW with site details and sample results. The IDDE program then works to identify the source and correct the problem.