



Water Quality Program

Permit Submittal Electronic Certification

Permittee: MOUNT VERNON CITY

Permit Number: WAR045553

Site Address: 1024 CLEVELAND AVE
Mount Vernon, WA 98273

Submittal Name: MS4 Annual Report Phase II Western

Version: 1

Due Date: 3/31/2022

Questionnaire

Number	Permit Section	Question	Answer
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)	MountVernon2022SWM P_2_03282022144842
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
5	S5.C.1.	Have you convened an interdisciplinary team to inform and assist in the development, progress, and influence of the comprehensive stormwater planning program? (S.5.c.1). August 1, 2020	Yes
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
17	S5.C.1.d	Developed a watershed inventory as outlined in S5.C.1.d.i? (Submitted by March 31, 2022)	Yes
17a	S5.C.1.d	Attach watershed inventory as described in S5.C.1.d.i.	MountVernon_Waterbod yAssessmen_17a_0329 2022104619
18	S5.C.1.d	Developed a receiving water prioritization method and process as described in S.5.C.1.d.ii(a)-(c)? (Required by June 30, 2022.)	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.	The City of Mount Vernon is part of the Skagit Conservation District Stormwater Education Program. The regional group continues to expand on program elements as needed. This program includes the Skagit Conservation District Stream Team, Watershed Masters Volunteer Training Program, Storm Drain Labeling Program, Private Stormwater Facility Maintenance Workshop, Backyard Conservation Stewardship Program, and a pet waste social marketing campaign.
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.	2021 Annual E & O report_21_03292022104721
23	S5.C.2	Developed a behavior change campaign that is tailored to the community in accordance with S5.C.2.a.ii(c)? (Required no later than February 1, 2021)	Yes
23a	S5.C.2	Attach the strategy and schedule developed in accordance with S5.C.2.a.ii(c).	Social Marketing Strategy_23a_03292022104030
24	S5.C.2	Began implementing strategy outlined in S.5.C.2.a.ii(c) (S5.C.2.a.ii(d) – Required by April 1, 2021)	Yes
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.	Stewardship Opportunities_26a_26a_03292022104044

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)	SWMP was posted on City's website and was presented to City Council in a public meeting with comment opportunity. Notices were posted in newspaper, internet, and announcements were made during televised council meetings. Process includes posting SWMP on internet for public comment prior to presentation at Public Works committee meeting. Public will be informed via newspaper, internet, and public television. Committee meeting is open to public.
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.mountvernonwa.gov/426/NPDES-Stormwater-Permit
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).	Outfall Report 2021_30a_0317202215 5627
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)	Not Applicable
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)	Yes
33	S5.C.5	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste? (S5.C.5.b)	Yes

33a	S5.C.5	Actions taken to inform public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste.	Implemented an ongoing training program for employees. Implemented a pet waste education program in conjunction with Skagit Conservation District. When performing field screening, staff will also notify businesses adjacent to outfalls while requesting site access.
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
35a	S5.C.5	Cite field screening methodology in Comments field.	Each year the streams of a specific drainage basin are walked during dry weather to check the outfalls for illicit connections or discharges. During a spill, the team traces through visual and olfactory means, and conducts further tests via samples if necessary to locate source of a discharge or connection. When visiting a site or facility for an investigation or inspection, the team is also on the lookout for visual signs of illicit discharges and illicit connections.
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.)	13
36a	S5.C.5	Cite field screening techniques used to determine percent of MS4 screened.	Contributing area of basin compared to total MS4 area. To meet this requirement, a two year average has been calculated using the area screened in 2020, and the area screened in 2021.
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.)	43

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 IDDE hotline is listed on the City website, in the phonebook, and on several public service announcements on TV10.
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.	2021 IDDEs for WAR045553_42_03162022162244
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)	Not Applicable
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.	462
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
48a	S5.C.6.	If no, inspected, prior to clearing and construction, all construction sites meeting the minimum thresholds (S5.C.6.c.ii)?	No

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.	163
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)	0
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
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)	218
63b	S5.C.7.	Number of facilities inspected during the reporting period.	260
63c	S5.C.7.	Number of facilities for which maintenance was performed during the reporting period.	805
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?	6925
66b	S5.C.7.	Number of catch basins inspected during the reporting period?	3589
66c	S5.C.7.	Number of catch basins cleaned during the reporting period?	3058
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)	Not Applicable

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.	Not Applicable
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)	Not Applicable
74	S5.C.8	Established an inventory per S5.C.8.b.ii. (Required by August 1, 2022.)	Yes
74a	S5.C.8	Number of total sites identified for the inventory.	288
75	S5.C.8	Implemented an inspection program S5.C.8.b.iii (Required by January 1, 2023).	Not Applicable
76	S5.C.8	Implemented a progressive enforcement policy per S5.C.8.b.iv (Required by January 1, 2023).	Not Applicable
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?	Not Applicable
80	S7	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A)	Not Applicable
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)	Not Applicable
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
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

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
87	S8	If conducting stormwater discharge monitoring in accordance with S8.C.1, attach a data and analysis report per S8.C.1. and Appendix 9. (Due annually beginning March 31, 2021.)	Not Applicable
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)	Yes
89	G3	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.	Yes
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.	Not Applicable

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 gather and evaluate 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 knowing violations.

Blaine Chesterfield

3/30/2022 4:24:40 PM

Signature

Date

SKAGIT CONSERVATION DISTRICT STORMWATER EDUCATION PROGRAM 2021 REPORT

**"WE SCOOP" DOGGY PHOTO
CONTEST AND PLEDGE**
In Celebration of Skagit Water Weeks!

In the spirit of Skagit Water Weeks
submit a picture of your favorite
cute pooch out enjoying our
beautiful community and/or take
the "We Scoop Pledge!"
Deadline for photo entries is May 31st

Prizes!
For details visit: www.skagitcd.org

SKAGIT
CONSERVATION DISTRICT
STORMWATER EDUCATION PROGRAM

Hosted by Skagit Conservation District, Skagit County, and
Cities of Anacortes, Burlington, Mount Vernon, and
Sedro - Woolley

Figure 1 The "We Scoop" Pledge and "We Scoop Cute Doggy Photo Contest" were kicked off during Skagit Water Weeks this year in support of our pet waste campaign.

Submitted by: Kristi Carpenter, Skagit Conservation District

for:

City of Anacortes

City of Burlington

City of Mount Vernon

City of Sedro-Woolley

Skagit County

Storm Water Education Program Summary

This progress report summarizes the storm water public education and outreach and the public involvement and participation activities that were conducted by the Skagit Conservation District (SCD) over the period January 1, 2021 through December 31, 2021. The primary purpose of the Skagit Conservation District's Storm Water Education Program is to provide education and outreach programs in partnership with our local MS4 Permittees to educate the community about the impacts of stormwater discharges on water bodies and the steps that the community can take to reduce pollutants in stormwater runoff. The SCD's Stormwater Education partnership provides a multifaceted and site-specific education plan designed to:

- Build general awareness about methods to address and reduce impacts from stormwater runoff.
- Effect behavior change to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts; and to
- Create stewardship opportunities that encourages community engagement in addressing the impacts from stormwater runoff.

Skagit MS4 Partners: The SCD's Stormwater Education Program is a local partnership including the City of Mount Vernon, City of Burlington, City of Sedro-Woolley, City of Anacortes, and Skagit County. With the exception of the Skagit Conservation District, all partners are MS4 communities required to prepare Stormwater Pollution Prevention Plans (SWPPP) in accordance with Phase II of the Clean Water Act. The purpose of the partnership is to work together cooperatively, share a common message, avoid duplication of efforts (which in turn will save money and resources), utilize existing programs when possible and to share resources and expertise.

Program Overview: An informed, knowledgeable, and engaged community is crucial to the success of a stormwater management program. Between 2011-2021, the Skagit Conservation District, in partnership with the Cities of Anacortes, Burlington, Mount Vernon, and Sedro-Woolley, and Skagit County, has provided a comprehensive and multifaceted series of programs and opportunities aimed at educating, engaging, and inspiring local stewardship so that the goal of reducing stormwater pollution impacts to our local waterways can be achieved.

2020 and 2021 presented some unanticipated challenges and programs had to be altered due to the pandemic and social distancing requirements.

2021 Activities

1. PUBLIC PARTICIPATION AND INVOLVEMENT

Task 1.1 Host Private Stormwater Facility Maintenance Workshop



Managing Stormwater Facilities:
Maintenance Guidelines for Private Property Owners and HOA's

A FREE on-line workshop to assist Skagit County neighborhood associations, business owners, and property owners who are responsible for maintaining a stormwater detention pond or other stormwater drainage system in their neighborhood.

TO JOIN:
Email kristi@skagitcd.org to register
PLANS WILL BE READY BY JULY 15th
A link to join the webinar will be emailed to you after registering
Questions? Call 209-428-4313 ext 1018 to leave a message or email kristi@skagitcd.org

THURSDAY, JULY 15th, 2021
5:00 p.m. - 7:00 p.m.
You are invited
FREE Online Workshop - join us from the comfort of your own home!

Sponsored by:
Skagit County, the Cities of Anacortes, Burlington, Mount Vernon, and Santa-Fe-Valley, Port of Skagit County, Retailer Services, and the Skagit Conservation District.



Figure 2 The Managing Stormwater Facilities Workshop drew 39 attendees.

Promotion of the event was conducted via email and direct mailing to HOA contact lists in each jurisdiction, press releases provided to all local media, two promotional ads in the local newspapers, promotional fliers distributed throughout the community and posted on websites and other social media.

A "Managing Stormwater Facilities Maintenance Workshop" was coordinated and held virtually on July 21st and was well attended with **39 attendees**. The agenda included a municipal overview provided by Diane Hennebert, City of Anacortes; the Detention Pond Maintenance: Nuts and Bolts presentation was provided by Reid Armstrong, Kulshan Services, LLC; and Involving your Neighborhood Community provided by Kristi Carpenter, Skagit Conservation District. Handbooks were compiled by SCD staff and mailed to all attendees.

Task 1.2 Watershed Masters Volunteer Training Program



Figure 3 Watershed Master Volunteers welcomed guests and helped host the stormwater education display at Taylor Shellfish Farm during the 2021 Festival of Family Farms.

Due to covid restrictions we did not host a Watershed Masters training in 2021. However, staff maintained regular correspondence with our Watershed Master Volunteers via email and phone correspondence, including providing educational resources, volunteer opportunities and responding to requests for technical assistance. It is anticipated that the 8-week training program will resume in the Fall of 2022.

Watershed Masters, did, however, continue to volunteer in our community once vaccines became available and many participated in "covid friendly" outdoor activities that provide many benefits to our community. **Over 2,132**

volunteer hours were reported in 2021. Watershed Masters continue to play a key role in protecting water quality in our community and sharing what they have learned with friends, neighbors, and family. Examples of the stewardship activities conducted by Watershed Masters in 2021 include the following:

- Conducting forage fish surveys
- Providing support to our Pet Waste Campaign
- Hosting the stormwater education display at local events
- Assisted with stream restoration projects
- Eradicating noxious weeds and ivy pulls at Barney Lake
- Participating in the Stream Team program
- Participating in the Storm Team program

- Participating in the Marine Biotxin monitoring program
- Conducting salmon surveys
- Storm drain labeling
- Implementing water conservation projects at the Montreaux HOA

Task 1.3 Skagit Stream Team

Priority streams currently being monitored by Stream Team volunteers include Trumpeter Basin, Kulshan Creek, Gages Slough, Ace of Hearts Creek, upper and lower Nookachamps Creek, No Name Slough, Joe Leary Slough, Bay View drainage, and upper and lower Samish. All streams are monitored twice a month with the exception of Gages Slough, which is monitored monthly. The monitoring year begins October 1st and continues through September 30th each year.



Figure 4 Stream Team volunteers collect water quality data along 11 priority stream reaches.

The goals of the Skagit Stream Team program are to:

1) Inspire community stewardship of water resources by educating local citizens about land use and non-point sources of pollution and involving them in the process of water quality data gathering; 2) to develop and implement a routine sampling program that can be used to assess water quality trends, characterize the existing water quality of priority freshwater drainages, and determine how water quality conditions compare to State Standards; 3) to document improvements to water quality as a result of the implementation of Best Management Practices and storm water prevention measures; and 4) to teach community volunteers the sampling and analytical techniques used by environmental professionals, how to manage the data collected and create a database, and the importance of establishing a long-term water quality monitoring program.

Parameters measured by Stream Team volunteers include fecal coliform (FC) bacteria, dissolved oxygen (DO), water temperature, turbidity and total depth.

2021 Stream Team accomplishments are highlighted below:

- 6 Stream Team volunteers monitored the water quality of Ace of Hearts Creek in Anacortes over the 2020-21 monitoring season. The Anacortes Wastewater Treatment Plant conducts lab analysis for this program.
- 11 Stream Team volunteers monitored Kulshan Creek and Trumpeter Basin in Mount Vernon. Mount Vernon Wastewater Treatment Plant conducts lab analysis for Kulshan and Trumpeter.
- 2 Stream Team volunteers monitored Gages Slough through the 2020-21 sampling season. Burlington Wastewater Treatment Plant conducted lab analysis for the Gages Slough Stream Team.
- **64** Stream Team volunteers participated in the 2020-21 Stream Team program overall.

- 10 volunteers conducted storm event sampling in the Padilla Bay watershed during the 2020-21 season in support of the Padilla Bay TMDL and Skagit County PIC program (Storm Team).
- A Total of 50 monitoring stations were monitored twice a month by Stream Team volunteers, with the exception of Gages Slough which is monitored monthly.
- The Annual Year-End Stream Team Celebration and Recognition event was coordinated and held outdoors at Bay View State Park on July 27th, 2021. **64 Stream Team/Storm Team volunteers were recognized.**
- **1268 Stream Team volunteer hours** reported for the **2020-21** Stream Team program.
- The Annual Stream Team training (for 2021-22 monitoring season) was coordinated and held Sept. 7th, 8th, and 9th (virtual).
- **72 Stream Team Volunteers** are participating in the 2021-22 program.
- Data was entered in excel spreadsheet.
- The 2019-2020 Annual Stream Team Report was completed.
- The 2020-21 Annual Stream Team Report was initiated.

Task 1.4 Storm Drain Labeling Program

Storm drain marking kits are available at the Skagit Conservation District. Community groups and residents are encouraged to participate in the protection of water quality by marking storm drains in their neighborhoods and throughout the community. The Cities of Anacortes and Sedro-Woolley organize this program separately.

Due to covid restrictions this year, work completed on this task was limited this year. We will be able to resume in 2022 with covid protocols in place.

- 30 storm drain markers were installed at Costco in Burlington by their staff.
- Inventory for Mount Vernon and Burlington markers was updated
- 100+ promotional fliers were distributed and included in the Detention Pond Maintenance and Skagit Stream Team handbooks that were mailed to attendees of those programs.

Task 1.5 Social Marketing Strategy

The Pet Waste Management Social Marketing Action Plan ("Poop Fairy" campaign) was completed and implementation underway. With consensus from the Skagit partners, option **S5.C.2.a.ii(c) 3 Public Education and Outreach** was selected with the goal of reducing fecal coliform bacteria levels in priority urban waterways by initiating a more focused pet waste management campaign.

- **Primary target audience for the pet waste campaign:** Dog walkers at public places, such as parks, trails, apartment complexes, and neighborhoods.
- **Positioning Statement:** We want all dog walkers at parks/trails and neighborhoods to pick up dog waste and dispose of it properly to keep our parks, trails, neighborhoods, and waterways clean and healthy.

Staff time also included the following:

- Compiled map of priority dog walking parks/trails identified by our local parks and recreation departments and the Port of Skagit County.
- Volunteers continued field investigations through February 2021.
- A “Scoop the Poop” Pledge program to ask dog owners to commit to picking up after their pets was established and set up on the SCD website for online pledges and a hard copy also designed to promote at local events. Complimentary poo bag dispensers were provided to individuals taking the pledge. **131 pledges received to date.**
- To promote the pledge program, a “We Scoop Cute Doggy Photo Contest” was hosted as a Skagit Water Weeks event during the month of May with **110 photo entries received.** Two winning entries were selected from each partnering jurisdiction. The contest was well received!
- The pet poop campaign was promoted in the community via news articles in the SCD news, press releases, posting on websites and social media, and by direct email.
- Staff is currently exploring costs and feasibility of establishing a Mutt Mitt program. Pet Waste Stations set up in key areas would make it convenient and encourage dog walkers to pick up after their pets when they are in public places, such as neighborhoods, parks and trails. This task includes networking with local HOA's, apartment complexes, etc., to see if there is interest and volunteer commitment to maintain the stations, which has been initiated.
- Conducted a review of our local municipalities Pet Waste codes.



Figure 5 Winning “We Scoop” photo entries received a Woofpack Trail Bag as modeled by Tiberius above, one of the Anacortes winners.

Task 1.6 Rain Garden Program (City of Mount Vernon)

SCD staff is currently exploring a few options for a feature Rain Garden project. A site visit was made to the Deer Run Condo’s on LaVenture in response to their request and interest in a rain garden. A plan for a rain garden at this site was also designed by Everett Chu, Azuma Farm and Gardens. We are also looking into another school project with support from SFEG and the Salmon in the Schools program as well as an opportunity with the Skagit Leadership Program. Anticipating at least one of these options will be pursued after the first of the year.

2. PUBLIC EDUCATION AND OUTREACH

Task 2.1 Backyard Conservation Stewardship Program

One of the priority behaviors targeted through the Skagit partnership outreach efforts has focused on yard care techniques protective of water quality. The Backyard

Conservation Stewardship Short Course targets local homeowners and provides education on sustainable landscape practices as promoted by the Sustainable Sites Initiative. Program objectives:

- *Participants will learn practices that can be applied in their own backyards to help reduce storm water pollution and create a healthy and more sustainable environment.*
- *Participants will be provided with the tools and resources to design sustainable, natural, backyard landscapes.*
- *To encourage community participation in the Backyard Wildlife Habitat and/or Backyard Sanctuary Certification programs.*
- *To create a network of community residents willing to share their love of gardening and the outdoors to inspire others to create environmentally friendly gardening practices that will benefit our community.*

Topics included in the 6-week short course include proper use and disposal of pesticides, herbicides, and fertilizers (and use of non-toxic alternatives), use of native plants in landscaping, reducing size of lawn, gardening for wildlife, using bees as pollinators, applying low impact development/rain gardens, use of permeable pavement for driveways and patios, composting, managing non-native invasive plants, how to build healthy soils, proper disposal of pet waste, preventive car maintenance, and more. Sessions are taught by a knowledgeable and enthusiastic slate of local and state experts.

2021 Outcomes: Due to covid restrictions in spring 2021 and not able to gather groups indoors, the 2021 Backyard Conservation Short Course was cancelled. However, funding from this task helped support implementation of the Pet Waste campaign this year. It was agreed upon by all MS4 partners that we fund implementation of the Pet Waste campaign using existing tasks and funding, so we did not have to increase our budget to fund the campaign. Refer to Task 1.5 for summary of accomplishments this year. In addition, participants of previous Backyard Conservation Short Course classes posted poop fairy signage in their neighborhoods, participated in and helped promote the “We Scoop” pledge, conducted poop surveys at priority parks, and continued to support sustainable gardening practices in their own backyards. Staff maintained correspondence and technical support to individuals who have participated in the program.

The Backyard Conservation Stewardship Short Course has played a key role in our efforts to increase levels of voluntary implementation of conservation practices on private lands in both urban and rural areas of our community and to promote natural yard care principles. We anticipate hosting the program virtually in early 2022.

Task 2.2 Resource Materials/Education for Local Schools

Skagit Conservation District provides support to local schools by providing educational resources and presentations throughout the year. Due to covid restrictions this year, opportunities for classroom presentations were limited, although staff did provide some in classroom and a few "outdoor" presentations. Another 2021 accomplishment was the development of a you tube video demonstrating the EnviroScape model for home or classroom use. **Here is the direct link: [Where Does Your Water Shed? - YouTube](#). The video is also featured on the EnviroScape Environmental Education website.**



Figure 6 Hundreds of local youth have had the opportunity to learn about stormwater from SCD classroom visits with the EnviroScape watershed model.

- Educational packets were emailed to Skagit County School District offices for distribution to teachers. The packets include information on stormwater, watersheds, and other resources and educational programs available for teachers and classrooms through the Skagit Conservation District.
- Promotion of the EnviroScape Model classroom presentations (stormwater runoff and non-point source pollution) was conducted.
- 17 storm water education presentations, using the EnviroScape watershed model, were conducted in 2022 at local elementary schools reaching 245 Skagit County students in the following jurisdictions:
 - Mount Vernon: 11 presentations to 184 students
 - Sedro-Woolley: 6 presentations to 61 students
- Production of “Where Does Your Water Shed” video completed and online – EnviroScape watershed demonstration.
- 100 packets containing stormwater/clean water education and activities for youths distributed at Concrete Youth Day – drive-thru event.
- Staff attended zoom trainings for educating virtually.

Task 2.3 Miscellaneous

Work conducted under this task included project administration and tracking, preparation of the annual report, and meetings and project/contract planning with partners. Other activities conducted under this task in 2021 included:

- Provided a Skagit Water Weeks Proclamation and presentation to the Skagit County Commissioners on May 4th.
- Annual contract review and correspondence.
- Provide support/resources to teachers, partners, and volunteers as requested.
- Drafted stormwater related articles for 2 editions of the Skagit Conservation News.
- Participate in Puget Sound Stormie Group.
- Correspondence and coordination with Parks and Recreation Departments HOA’s and volunteers regarding "Poop Fairy" campaign and signage installation.

Task 2.4 Storm Water Educational Brochures and Fact Sheets.

- A “We Scoop Pledge and Cute Doggy Photo Contest” promotion was designed and published on social media.
- Designed handout featuring winners of “We Scoop Cute Doggy Photo Contest” and provided to all entries as well as emailed to partners and volunteers.
- “We Scoop Cute Doggy Photo Contest” winners’ article drafted and published in Summer/Fall 2021 publication of Skagit Conservation News.
- Drafted article featuring Montreaux HOA landscape improvements in Winter 2021 edition of Skagit Conservation News.
- Poop Fairy ad published in the Winter 2021 edition of Skagit Conservation News.
- Designed “We Scoop Pledge” flier that was printed for distribution at local events.
- Provided copies of our Rainscape brochure for the MoNA watershed display.



Task 2.5 Workshops for Local Contractors and Businesses

This year we partnered with Stewardship Partners to host the **6th Annual Green Stormwater Infrastructure Summit**, which was held virtually over two days, on March 25th and March 26th. The summit focused on the north Salish Sea this year and included **53 speakers and over 200 attendees**. Staff time also included serving on the “Host” Committee to assist with event planning, organization, and promotion, recruiting presenters, and facilitating sessions during the event. The theme of the summit was “Evolving Green Infrastructure: Adapting Systems for Better Outcomes.” We received excellent feedback from attendees. More information about the 2021 Summit can be viewed at this link: 12000raingardens.org/summit2021/

Task 2.6 PSSH Community Event Display Board

Due to continued covid restrictions, the opportunity to host education displays at local events was very limited again this year. However, staff hosted the stormwater display at the Alger Seed Swap and Farmer’s Market which was held on Saturday **March 20th, with approximately 250 attendees**, and at Taylor Shellfish Farms for the **Festival of Family Farms, which was held Oct. 2nd (482 attendees) and October 3rd (335 attendees)**. Promoting the pet waste campaign (“Poop Fairy”) was a highlight at both events. In addition approximately 250 youth education packets were compiled and distributed at Festival of Farms, and included the Project Wet Discover Stormwater Kids Activity Booklet as well as fact sheets on sustainable yard care.

Task 2.7 Produce Media Advertisements

- The "We Scoop Pledge" was set up on our website and promoted on social media.
- The "We Scoop Pledge and Cute Doggie Photo Contest" was set up on our website and promoted through press releases sent to all local media resources as well as social media venues and via direct email to volunteers and workshop participants (May 4th and May 21st).
- Posted photos of "We Scoop Cute Doggy Photo Contest" on social media on July 1st.
- A new "blog" was established on our website and provides another venue to promote stormwater education.
- The Scoop the Poop rack card was posted on social media (Oct. 26th and 27th) and on our new blog (Oct. 26th and 27th).
- Smart Watering Tips education posted on social media June 23rd.
- Drainscaping ad posted on Oct. 26th and 27th on social media and new blog.
- A Poop Fairy ad was posted on social media on Jan. 12th.
- The Poop Fairy" ad was featured 4 x in the SV Herald (distribution 21,000 each)
- The "Poop Fairy" ad was featured in the Concrete Herald 2 x (distribution 5,000 each)
- The "Poop Fairy" ad was featured in the LaConner Weekly 2 x (1,200 each)
- The "Poop Fairy" ad was published in the Skagit Conservation News - Winter 2021 edition
- The "Poop Fairy," Drainscaping, "We Scoop Pledge", and Smart Water Tips ads were also emailed to all SCD volunteers and partners

EDUCATIONAL MATERIALS DISTRIBUTED: Due to covid restrictions opportunities to distribute educational materials was limited again this year, however, these documents are also posted on our website. Some of the documents listed below were included in handbooks for the Marine Biotoxin Volunteers and Managing Stormwater Facilities workshop participants. The Rainscape fliers were also distributed at the MoNA Watershed Exhibit.

- 294 "Poop Fairy" Pet waste educational outdoor signs posted to date
- 100 "We Scoop" Pledge fliers distributed
- 42 Detention Pond Maintenance Handbooks distributed
- 80 Spotlight on Stormwater Booklets distributed.
- 150 Don't Just Landscape: Rainscape fliers distributed
- 150 Soil & Mulch: The Foundation of a Healthy Yard brochures distributed.
- 150 Planning & Planting a Sustainable Landscape brochures distributed.
- 150 Watering Wisely brochures distributed.
- 150 Think Twice Before Using Pesticides brochures distributed.
- 150 Natural Lawn Care brochures distributed.
- 25 Best Management Practices for Power Washing fact sheets distributed.
- 25 Best Management Practices for Mobile Carpet Cleaners distributed.

- 50 copies of the 2019-2020 Skagit Stream Team Reports distributed (the report is also on the SCD and Padilla Bay Reserve websites).
- 45+ Storm Drain marking volunteer program promotional fliers distributed.
- 50 Native plants of the Pacific Northwest distributed.
- 350 Project Wet Discover Stormwater Books

ACTIVITIES PLANNED FOR 2022

- Priority for 2022 will be coordinating and implementing the pet waste campaign ("Poop Fairy"), including continuing the pledge program and cute doggy photo contest and initiating a Mutt Mitt program.
- The Backyard Conservation Stewardship Short Course will be conducted (virtually).
- The annual Stormwater Detention Pond Maintenance Workshop to be scheduled.
- Host a rain garden maintenance workshop.
- Storm drain labeling will continue.
- Skagit Stream Team program will continue
- Work in kicking off a Rain Garden program will continue, including seeking funding to provide incentives for local homeowners and partnerships with local schools.
- The Annual Stream Team Water Quality Report will be published.
- Stormwater education media ads will be published in local media (and continue throughout the year).
- 2 new educational brochures/tip sheets and/or additional "Poop Fairy" signage will be published.
- Informational packets highlighting storm water and water quality education will once again be distributed to local schools.
- Staff will continue to provide presentations on storm water education with the watershed EnviroScape model to local school groups depending on covid status.
- Watershed Masters Volunteer training will be held in the fall of 2022 depending on covid status.
- The storm water education display will be updated and hands on activities designed to promote the "Poop Fairy" program.
- The SCD website will continue to be updated to include relevant storm water and LID information.
- News articles highlighting storm water education, LID practices, and volunteer opportunities will be included in each of the Skagit Conservation District's newsletters.
- Staff will continue to provide presentations to local groups on storm water and LID as requested.
- Stream Team data will be reviewed and will be used to target priority neighborhoods for follow-up education.
- Staff will continue to provide support to the Watershed Masters, backyard wildlife habitat volunteers, and Skagit Stream Team volunteers.
- All projects will be tracked, evaluation surveys conducted when appropriate, and reporting will continue.

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Lowe's delivery truck spill 15+ gallons of fuel into the parking lot,
while the driver was attempting to drain the tank after filling it
with the wrong type of fuel. The Fire Department was quick to respond
to the spill and had some absorbents laid on the spill when I arrived.
Captain Pete Kampen assured me that they had cut off the spill from
reaching any catch basins or other parts of our MS4. The absorbents
were swept up and disposed of by our Solid Waste department, and the
excess fuel was taken to be disposed of at our vehicle maintenance
shop. This was a great response by the City's crews across many
departments, as it could've been a pretty nasty situation otherwise.
Thank you! - Daniel S 4:00pm 1/15/21
Email to Ecology:
Hi,
```

This ERTS has been taken care of. The Mount Vernon Fire Department responded immediately when the report came in, and they were able to protect the City's MS4 and catch basins from the spill. They were ready to go with absorbents, and when I arrived they had already begun the process of sweeping it up, bagging it, and disposing of it. I informed our Solid Waste manager that some used spill absorbent material was being disposed of in our containers, and he sent out a truck right away to take care of it once the cleanup process was complete. There was also some leftover fuel sitting in a 5-gallon bucket, and our vehicle shop maintenance manager said he'd be able to take it to dispose of that properly as well. In a little over an hour's time, the spill had been completely cleaned up and things had gone back to normal. No further actions are required.

Apparently a delivery truck driver for Lowe's put the wrong fuel in his tank, and attempted to drain the tank on his truck so that he could put the correct fuel in. I guess it got out of control so somewhere in the realm of 15 gallons of fuel spilled out onto the concrete pad of the Shell station. The police even arrived at the behest of the gas station owner in case something criminal had occurred, though it was determined that there wasn't anything the police would do after observing the cleanup process.

I do have some pictures of the incident and cleanup if you are interested.

I'm also very grateful for the rapid response from our City's crews across multiple departments, because this spill could've been a lot worse otherwise.

Thanks,

Daniel Schmidt</Notes>

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<Notes>Report from Rebecca at Development Services about the grease receptacle behind Draft Pics and the Korean restaurant is seeping into the catch basins in the alleyway. Attached in photos is the email chain.

3/30/21

I went out to check on the grease receptacle in question, and it was shut and not seeping into the catch basin like the report said. The trails leading into the catch basin were from the roof drains of the two adjacent buildings. That being said, the area around the trash bins and grease receptacle could be cleaned up to a higher standard. Will reach out to do some education. - Daniel S 4:15pm

3/31/21

Email from Mike Marker, the Code Enforcement Officer, let me know that the site was cleaned after an employee from Temperate Habits spilled some grease on their way to the receptacle. He was informed that they will make sure their employees are more careful in the future. No further actions required. - Daniel S 2:00pm</Notes>

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<Notes>Received an anonymous report that oil containers were
spilling over in the parking lot of the automotive repair business on
Riverside Dr. Used to be known as J&K Automotive, is now Nayarit
Auto Service. He reported oil spilling over the parking lot and
antifreeze dropping on the ground. I went out to investigate and
talked with part-time employee named Silverio. He let me know that
they do work hard to keep there shop clean and clean up spills
promptly when they do occur. It didn't look like anything was out of
place or in immediate danger of spilling. The catch basins didn't
appear to have anything recently draining into them either. I left him
with my contact info in case the business required further education.
No further actions required. - Daniel S</Notes>
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<Notes>Report of possible dumping of toxic solvents reported by former employee of Excel Dairy Service. Report came in late on Tuesday 4/13/21. It was investigated on the following day. I met with a couple workers there who showed me around the facility. They weren't aware of any shop drains that could be connected to the MS4. Some of the containers could benefit from secondary containment in the event of a leak, but any leak would just spill out onto gravel and not get anywhere near a catch basin. - Daniel S 4/14/21

The manager of Excel Dairy Service called to let me know that he believes this report is coming from a disgruntled former employee who isn't knowledgeable in the area of their chemicals. There is no formaldehyde or copper in their cleaning products. The chemicals that sell are used on the cows themselves to disinfect utters, and when the containers are returned they rinse them out at a wash station that is supposed to get pumped out. I am confirming with the manager that it doesn't connect to the MS4. - Daniel S 4/15/21

Follow-up phone call with the manager confirms that the wash station actually goes to a septic tank then empties out into a drain field behind the building. - Daniel S 4/15/21

Email to Ecology:
Hi,

I have investigated the report of improper disposal of chemicals at the Excel Dairy Service business. The concern had to do with dumping chemicals down a floor drain, but it does not connect with a stormwater system or enter our MS4. The manager of the business confirmed that the floor drain in question goes to a septic drain field. The chemicals in question are used by dairy farmers in the region, and are likely put into a septic system at those sites as well. Also, the manager wasn't aware of any formaldehyde or copper sulfate products at their facility. They do sell an inert water-soluble blue dye called Bullseye that's used by the farmers to show where a product has been sprayed on their vegetation, and they sell an iodine based cleaning solution that is used to keep the cows and dairy sanitary.

We don't believe this incident is an illicit discharge or illicit connection, so no further action necessary from our end. The manager has been encouraged to contact the Skagit County Health department to ensure that their septic drain field is being maintained properly. The only update would be if the manager happens to find the construction plans for the septic drain field.

Thanks,

Daniel Schmidt</Notes>

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<Notes>A spill occurred over a private catch basin in the parking lot next to the truck wash after a driver made a maneuver that gashed open his oil tank underneath the cab.

Report came in of an oil spill in the road. I responded right away.

When I made it to the suspected site, it looked like it was being cleaned up by employees at the trucking company close by. There also appeared to be minimal impact to our catch basins in the street. As the day went on, it became clear that the main spill was 250 ft away from the road in a private parking lot. The Fire Department arrived to triage the main spill, but it was determined that some oil had flowed downstream into the City's catch basins. At the time, it didn't look like any oil had made it to the detention pond or the stream. GrayMar arrived that night to begin the cleanup process. - Daniel S 2/17/21

Checked the progress the next morning. I could see that GrayMar had cleaned out the catch basins, cleaned up the spill, and laid out some

booms at the outlets of the catch basin, the detention pond, and the stream. They were going to let it sit for a week, and hopefully get some rain to flush any residual oil through the system. We believe that no impact has occurred in the detention pond or in the stream at this time. - Daniel S 2/18/21

The manager at the property next door believed that there was some oil sheen on the surface in the detention pond. We had inspected this initially on the evening of the event and determined that it was likely bacterial sheen. Nevertheless, the crew for GrayMar was willing and able to vactor the sheen off the top of the detention pond. - Daniel S 2/19/21

The boom socks have been taken out and the spill has been completely cleaned up. - Daniel S 3/1/21</Notes>

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<Notes>Report came in of a septic tank failure by a renter on his landlord's property. He believed it to be infecting his cats and was looking for compensation.

This matter has been referred to our Code Enforcement officer and the Skagit Health Department. I received a call from the Health Department letting me know that they're in the middle of an ongoing investigation at this property. There does not appear to be any impact to our MS4 at this time, so no further action necessary. - Daniel S 3/18/21</Notes>

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<Notes>Report of construction activity impacting a wildlife creek. The reporting party believed this was not permitted and possibly illegal.

The report did not mention impacts to the MS4, and it involves construction activity, so I contacted our Code Enforcement officer to investigate. They informed me that there wasn't any construction activity present, and it didn't look like bridges had been built recently at this location. No further action necessary. - Daniel S 4/14/21</Notes>

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<Notes>I responded to a report of green liquid flowing down
Trumpeter Creek. It reportedly originated at this address. I
investigated the area and did observe some green substance mixed in
with the stream water. I talked with each of the property owners who's
frontage includes parts of the stream. When I reached 510 Sioux Dr,
the owner told me that he had work done to the pipes coming from his
gutters. He used some green tracer dye to determine where it was
flowing out of. In researching the dye he used, I could find no
evidence of it being harmful to the environment or public health. I
tried to reach out to the reporting party to let her know that it
wasn't anything harmful, but I did not have any contact info. No
further action required. - Daniel S 5/28/21</Notes>
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<Notes>On 6/15/21, a construction site of a couple house lots had
unprotected soils, and the CESCL tested the outfall from the detention
pond for turbidity and it was 262 NTUs. The next morning Daniel, John
Torgerson, and the CESCL tested it again using John's extendable wand
and it came out as 5 NTUs (give or take 0.5). Ecology has been
notified of the findings and the issue has been resolved.</Notes>
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<Notes>On Tuesday June 22, Alan at Development Services was
notified of a potential IDDE from chlorinated PUD water leak. He
noticed that there was water coming through the grout around an inlet
pipe inside the catch basin. He also noted that there was a small
pothole in the street that appeared to have standing water and
saturated soils. He requested Skagit PUD have a maintenance crew check
it out as it looked obvious to him that it was water flow coming from
a pressurized pipe underground. We received a reply on June 23rd from
PUD confirming it was a water line leak and that it was fixed that
morning. - Daniel S</Notes>
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<Notes>On June 29, I received word from a coworker of a semi-truck being maintained in a driveway on N Laventure Rd in Mount Vernon this morning. My coworker said he had seen liquids flowing from the semi-truck to a nearby catch basin, so I immediately left to inform the offending party that this is an illicit discharge and it needs to be contained. However, the flow seemed to have subsided by the time I arrived. The offending party seemed to understand the predicament, as they were working hard to keep the oil and hydraulic fluid from entering the catch basin, though they did think that since it was only a little bit of antifreeze that it was okay. I let them know that antifreeze is included on our partial list of common substances that constitute an illicit discharge. I donâ€™t think much more than a couple gallons of antifreeze entered the catch basin. They didnâ€™t have a spill kit on site to protect the catch basin or divert the flow, and I wholeheartedly recommended they acquire one for their semi-truck in the event another spill occurs in the future. I placed a boom sock of my own around the catch basin to prevent any further substances from entering our MS4. I also let our Collections crew know about the situation, and they went out to clean up the catch basin this afternoon. Since no rain has happened recently, all the other catch basins in the area were dry, so just the one required cleaning and no there was no impact on downstream water bodies. We have resolved the situation. - Daniel S

Emailed a G3 ECY to notify them of the incident. - Daniel S

6/29/21</Notes>

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<Notes>On Aug 13, 2021, the City received a report from a
concerned citizen about their neighbor washing their vehicle and
travel trailer in the right-of-way. The citizen was not pleased by the
fact that they had to keep their windows shut while their neighbor did
this. Bill received the report and was also wanting to make sure that
he wasn't impeding the flow of traffic at all on Waugh Rd. I went out
to investigate the report, as it was ongoing. I talked with Eric who
owns the vehicle and trailer and was actively rinsing them off. I let
him know that the water going into the catch basins in the street does
not get treated since it's separate from the sanitary sewer lines. I
also informed him that dirty water, even without soap, can constitute
an illicit discharge. As we discussed his roadblocks to reaching
compliance, we concluded that covering the catch basin with a filter
fabric to prevent excess dirt from entering our MS4. No further
actions required. - Daniel S</Notes>
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<Notes>Fidalgo Paving was working on the driveway entrance to the Laventure Village apartment complex. They were tracking out their debris onto the just paved Laventure Rd, which was also about to be striped. Dean and John Torgerson both were managing the situation by having Fidalgo Paving broom sweep as much dirt off the road as possible, and then a street sweeper would be coming through to pick up the rest off the street. I don't think this is considered an illicit discharge since none of the debris reached a catch basin, since it wasn't raining and the dirt was cleaned up in a timely manner. - Daniel S 11:30am 9/9/21</Notes>

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<Notes>On 9/28/21, Mike Marker from Code Enforcement, received a call from Skagit Transit saying that someone dumped some substances into the catch basin just north of the Old Granary Building. Dan and I went out to check the exact location and see if we could identify the substance. Dan believed the substance to be from a grease trap,

similar to what he's seen at jobs in his past. Serge and Cody were on the scene at the same time we were, and we determined that the best course of action was to vacator out the catch basin as quickly as possible to prevent further harm downstream. They were able to get the vacator truck and clean up the catch basin within 30 minutes from when we were first aware of the spill. This system connects to our Combined Sewer Overflow, so it does not constitute an NPDES violation. No further action required. - Daniel S 4:55pm 9/28/21

Spoke with a Bill on the phone, who is in charge of staff at Il Granaio. I wanted to make sure someone had followed up with them after this incident. It sounded like someone from the City did reach out to him. He believed that it was some construction worker pouring something down the drain. He doesn't believe any of his staff participated in the dumping. I told him that he should then keep up the good work and that only rain should go down those drains. - Daniel S

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<Notes>On Monday, 12/13/21, we received a report of excessive dirt tracking out of a construction site by the Hawthorne Cemetery. John Torgenson was informed of the issue, and he was close by the site so he was able to talk with the construction crew and resolve the

situation. John called the office and said the contractor called in a street sweeper and had the dirt in the road removed. - Daniel S</Notes>

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<Notes>Email sent to ERTS at 2:12pm 7/19/21:

Hi,

This incident does not involve the City of Mount Vernon, as it is outside the city boundary. I believe there was a typo showing the reporting party to be from the City of Mount Vernon organization, but the transcript mentions that they are part of Skagit County Public Works. No action required from Mount Vernon.

Thanks,

Daniel Schmidt

ERTS Incident #708081

Environmental Report Tracking - Generated 7/19/2021, 12:14 PM

Primary Initial Report - Reported: 07/19/21 12:10

Reference ID - 196996

Where did it happen?
Location name:
Physical address:
14104 Ovenell Rd
Mount Vernon WA 98273
US
County:
Skagit
Ecology region:
NWRO
Lat, long:
48.45776 , -122.44179
Directions/Landmarks:
What happened?
Incident date:
07/19/21
Activity:
Maintenance/Testing
Cause:
Medium:
Impermeable surface - Impermeable surface
Source:
Vehicle - Other-Vehicle
Substance:
Chemical - Coolant
Substance amount:
10 U.S. gallons
Who might be responsible?
Name:
Organization:
Email:
Phone number(s):
Mailing address:
How was it reported?
Intake type:
Email
Reported date:
07/19/21 12:10
Entered by:
Katelynn Piazza
Entered at:
07/19/21 12:13
Who reported it?
Do they want this to be confidential? No

Reporter type:
Public Agency
Name:
Ron Peitersen
Organization:
City of Mount Vernon
Email:

Phone number(s):

(360) 416-1580

Mailing address:

Are they anonymous? No

Are they self-reporting? No

External reference number:

Comments/notes

From WA EMD: Skagit County Public Works, Ron Peitersen, 360-416-1580, called at 1158 to report a 10-gallon used antifreeze spill at their transfer station in Mount Vernon after a tank overflowed. Material went mostly to concrete and some to the ground. No water sources involved. Cleanup and containment are underway. Incident address is 14104 Ovenell Road, Mount Vernon.

Incident details

Life cycle status:

Follow-up(s) email not sent

Incident Date:

07/19/21

Was it self-reported?:

No

Show to public?:

No

Program owners

â€¢ NWRO - Spill Prevention, Preparedness & Response

â€¢ NWRO - Toxics Cleanup

â€¢ Katelynn Piazza (Primary)

NWRO - External

Location

Location name:

Physical Address:

14104 Ovenell Rd

Mount Vernon WA 98273

US

County:

Skagit

Lat, long:

48.45776 , -122.44179

Who might be responsible?

Name:

Organization:

Email:

Phone number(s):

Mailing address:

Follow-ups

Program: Water Quality - Subject: Chemical Spill to Impermeable Surface

Reference ID - 193107

What happened?

Primary activity

Activity:

Maintenance/Testing

Primary detail

Medium:

Impermeable surface - Impermeable surface

Source:

Vehicle - Other-Vehicle

Substance:

Chemical - Coolant

Substance amount: 10 U.S. gallons

Action history

Status	Action	Date
--------	--------	------

Started	Follow-up owner assigned	07/19/2021 12:14:35
---------	--------------------------	---------------------

Follow-up owners

Status	Organization	First name	Last name	Is external?
--------	--------------	------------	-----------	--------------

Pending acceptance	WA Ecology	Mak	Kaufman	N
--------------------	------------	-----	---------	---

(360) 255-4391

Program: External - Subject: Chemical Spill to Impermeable Surface

Reference ID - 193106

What happened?

Primary activity

Activity:

Maintenance/Testing

Primary detail

Medium:

Impermeable surface - Impermeable surface

Source:

Vehicle - Other-Vehicle

Substance:

Chemical - Coolant

Substance amount: 10 U.S. gallons

Action history

Status	Action	Date
--------	--------	------

Email not sent	Follow-up owner email not sent	07/19/2021 12:14:27
----------------	--------------------------------	---------------------

Follow-up owners

Status	Organization	First name	Last name	Is external?
--------	--------------	------------	-----------	--------------

Email not sent	Mount Vernon City of			Y
----------------	----------------------	--	--	---

(360) 336-6227

Incident attachments

Contact Ecology if you would like a copy of any of these attachments

File name	File description	Section/Reference ID	Date uploaded
-----------	------------------	----------------------	---------------

RE Used Anti-freeze Spill - Mount Vernon.msg	Webform submission.		
Initial report - 196996		07/19/2021	

From: Katelynn Piazza

Email: KPIA461@ecy.wa.gov

Phone number: (206) 594-0014</Notes>

</IDDEEvent>

</IDDEEvents>

City of Mount Vernon

Stormwater Management Action Plan - Receiving Water Assessment

Watershed Inventory Table

NPDES Phase II Permit S5.C.1.d.i

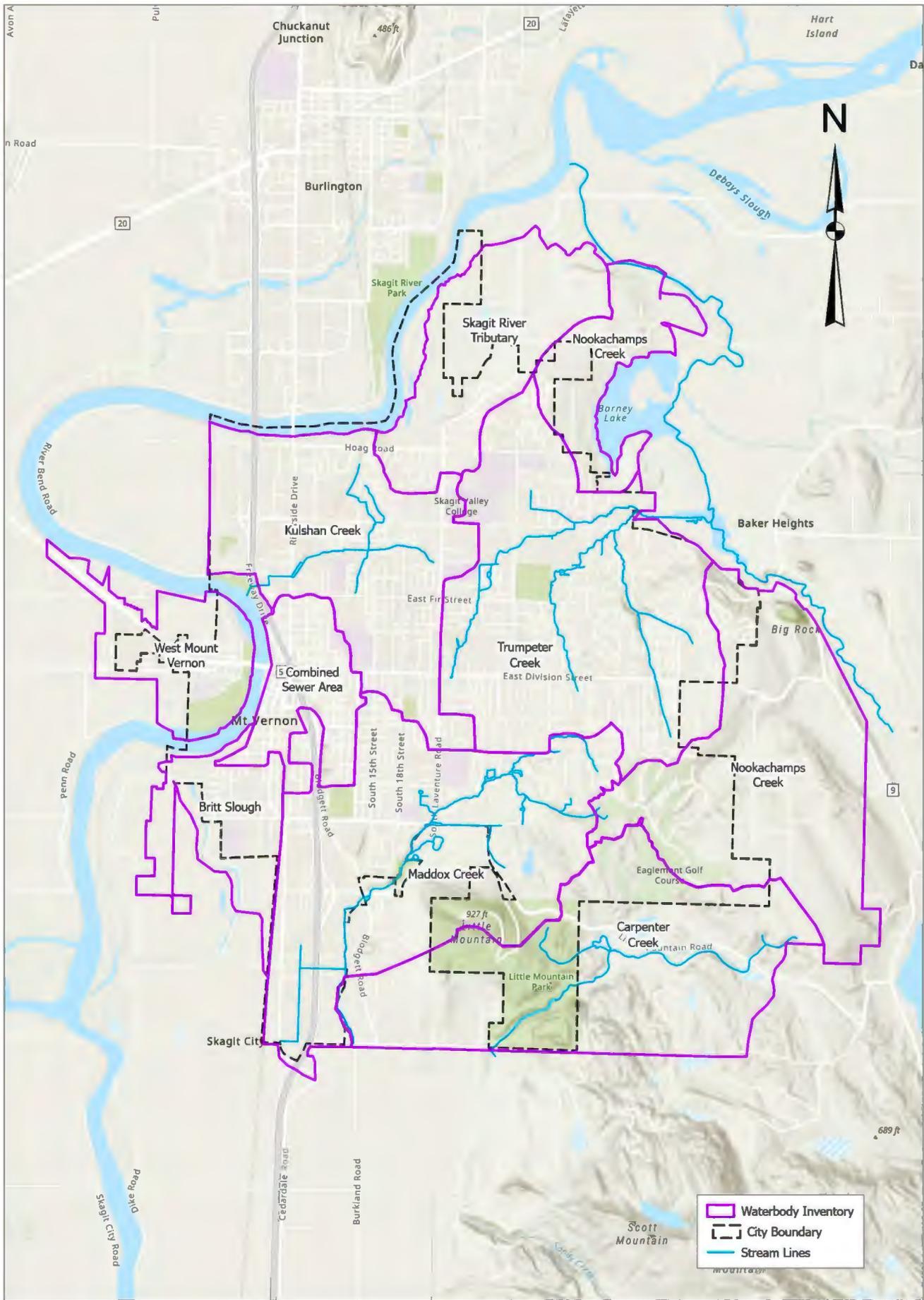
Last Updated: 3/22/2022

Prepared by Daniel Shapiro, PE of Brown and Caldwell

Reviewed by Jessica Christofferson of Brown and Caldwell

Receiving Water Name	Total Watershed Area (sq. miles)	Percent of Watershed Within Jurisdiction	SMAP Influence	Included in prioritization?	Brief Description: Relative Conditions and Contributing Area
Carpenter Creek	2.89	32%	Medium	Yes	Basin is almost entirely forested, in a natural condition, and is largely outside of the City existing bounds. The area within city bounds is zoned for agricultural and public space (Little Mountain Park).
Maddox Creek	3.27	83%	High	Yes	Basin is roughly half in a developed condition, and half in a forested, natural condition. Of the zoned area within city bounds approximately one third is commercial, and the remaining two thirds are residential. (Also contains some of Little Mountain Park)
Nookachamps Creek	3.31	29%	Medium	Yes	Basin is primarily in a forested, natural condition, with large portions outside of the City existing bounds. Of the developed area within this basin, approximately a third is zoned for residential, with two thirds zoned for agricultural.
Trumpeter Creek	3.26	96%	High	Yes	Basin is primarily in a developed condition. Of the zoned areas, roughly 7/8's of the basin area is zoned for residential, while the remainder is zoned for public space (including Bakerview Park and Skagit Valley College).
West Mount Vernon	0.80	48%	Medium	Yes	Basin is primarily in a developed condition. Of the zoned areas, the basin is roughly split into thirds of commercial, residential, and public space (Edgewater Park).

Britt Slough	0.76	71%	Medium	Yes	<p>Basin is primarily in a developed, built-out condition.</p> <p>Of the zoned areas, the basin is approximately divided into quarters of commercial, residential, residential-agricultural, and public space (County Fair Grounds, Sherman Anderson Park)</p>
Kulshan Creek	2.21	100%	High	Yes	<p>Basin is primarily in a developed, built-out condition.</p> <p>Zoned areas of this basin are approximately half residential and half commercial.</p>
Skagit River Tributary	1.34	48%	Low	Yes	<p>Basin is partially developed, and includes parks as well as large natural areas in proximity to the Skagit River.</p> <p>Zoned areas are primarily for residential and public space (riverfront area).</p> <p>Low influence due to the Skagit River being flow-control exempt water body.</p>
Combined Sewer Area	0.69	100%	Low	Yes	<p>The downtown area of Mount Vernon is primarily in a developed, built-out condition.</p> <p>Zoned areas are primarily residential and commercial, with some public space as well.</p> <p>Low influence due to separate permit covering this area, as well as fully built-out conditions.</p>



Notes:
 Spatial Reference:
 Name: NAD 1983 StatePlane Washington North FIPS 4601 Feet



Stormwater Management Action Plan
Waterbody Inventory

City of Mount Vernon

2022 Stormwater Management Program

March 2022



City of Mount Vernon 2022 Stormwater Management Program

Prepared for
City of Mount Vernon, Washington
March 2022

City of Mount Vernon 2022 Stormwater Management Program

Prepared for
City of Mount Vernon, Washington
March 2022



701 Pike Street, Suite 1200
Seattle, Washington 98101

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List of Abbreviations

2019 Ecology Manual	Stormwater Management Manual for Western Washington (2019)	SIDIR	Source Identification Information Repository
BMP	best management practice	SMAP	Stormwater Management Action Planning
CAD	computer assisted design	SOG	Stormwater Outreach Group
City	City of Mount Vernon	SOP	standard operating procedure
CSO	combined sewer overflow	STORM	Stormwater Outreach for Regional Municipalities
CWA	Clean Water Act	SWMP	Stormwater Management Program
DS	Development Services (Department)	SWMP Plan	written documentation of the SWMP
E&O	education and outreach	SWPPP	stormwater pollution prevention plan
Ecology	Washington State Department of Ecology	TMDL	total maximum daily load
EPA	U.S. Environmental Protection Agency	UGA	urban growth area
GIS	geographic information system	WLA	waste load allocation
IDDE	illicit connections and discharge detection and elimination	WWCPA	Washington Wastewater Collection Personnel Association
IPM	Integrated Pest Management Plan		
IS	Information Services		
LA	load allocation		
LID	low-impact development		
LID BMP	low-impact development best management practice		
MEP	maximum extent practicable		
MS4	municipal separate storm sewer system		
NOI	Notice of Intent		
NPDES	National Pollutant Discharge Elimination System		
O&M	operation and maintenance		
PCHB	Pollution Control Hearings Board		
Phase II Permit	Western Washington Phase II Municipal Stormwater Permit		
PSSH	Puget Sound Starts Here		
QAPP	Quality Assurance Project Plan		
Road Map	Roads Operations and Maintenance Regional Coordination Program		
RSMP	Regional Stormwater Monitoring Program		
SAM	Stormwater Action Monitoring		
SCD	Skagit Conservation District		
SIC	Standard Industrial Classification		
SCPHD	Skagit County Public Health Department		

Section 1

Introduction

This document presents the City of Mount Vernon's Stormwater Management Program (SWMP). Preparation and maintenance of this SWMP Plan is required by the Washington State Department of Ecology (Ecology) as a condition of the Western Washington Phase II Municipal Stormwater Permit (Phase II Permit). The Phase II Permit covers discharges from regulated small municipal separate storm sewer systems (MS4s). Based on criteria outlined in the Phase II Permit, Ecology considers the City of Mount Vernon (City) to be an operator of a small MS4, and the City is therefore required to comply with the Permit.

The Phase II Permit is a requirement of the federal Clean Water Act (CWA), which is intended to protect water quality and restore waters for "fishable, swimmable" uses. The federal Environmental Protection Agency (EPA) has delegated permit authority to Ecology and the Permit has the force of both state and federal law.

Each municipality's permit for discharging stormwater is designed to reduce the discharge of pollutants, protect water quality, and meet the requirements of the CWA. Phase II Permit requirements include making programmatic updates over time and this SWMP Plan has been revised accordingly. Please see Section 12-1, Summary, for an abbreviated list of the City's key compliance activities.

Appendix A includes abbreviations and definitions from the Permit to help the reader understand the City's SWMP.

1.1 The Stormwater Problem

Stormwater is an identified problem for receiving water quality. The following section from the Ecology's Fact Sheet for the Phase II Permit describes some of the relevant issues.

Stormwater runoff is the leading pollution threat to lakes, rivers, streams, and marine water bodies in urbanized areas of Washington State. The stormwater problem was well defined decades ago, and we continue to learn about both the impacts of stormwater on receiving waters and aquatic life across the State, as well as the effectiveness of stormwater management approaches to prevent, reduce, and correct these impacts.

The following is a list of typical impacts caused by stormwater discharges:

- **Human health:** Untreated stormwater may contain bacteria, trash, excessive nutrients, toxic metals, and harmful organic compounds. Untreated stormwater is not safe for people to drink and is not recommended for swimming or contact recreation.
- **Drinking water:** In some areas of Washington, most notably Spokane County and parts of Pierce and Clark counties, gravelly soils allow rapid infiltration of stormwater. Untreated stormwater discharging to the ground could contaminate aquifers that are used for drinking water.
- **Shellfish industry:** Washington State's multimillion-dollar shellfish industry is increasingly threatened by closures due to stormwater contamination.
- **Degraded water bodies:** In urban and urbanizing areas across Washington State, residential, commercial, and industrial land development continues to change land cover and drastically alter stream channels. Unmanaged stormwater from urban areas has severely degraded beneficial uses of Washington's waters.

- Salmon habitat: Urban stormwater degrades salmon habitat in streams through effects on hydrologic flows and toxicity. Paved surfaces cause greater and more frequent winter stormwater flows that erode stream channels and damage fish spawning beds. Toxic chemicals in stormwater harm beneficial aquatic insects, salmon embryos, immature fish, and adults returning to spawn.
 - Pollution: Urban stormwater is known to contain a fairly consistent suite of pollutants from common land use activities.
- Ecology, “Fact Sheet for the Phase I, Western Washington Phase II, and Eastern Washington Phase II Municipal Stormwater Permits,” August, 2018

Mount Vernon manages several complex systems potentially affecting stormwater. The City is involved in efforts that go beyond the scope of many larger municipalities including, but not limited to, river flood control operations, managing the City storm drain system, and operating sewage treatment facilities. While the City has long had a commitment to clean water and, as a result, is currently in compliance with state and federal requirements, it must now look toward meeting the demands of the new Phase II Permit, described in detail in Section 1.2 below.

1.2 Regulatory Background

The National Pollutant Discharge Elimination System (NPDES) permit program is a requirement of the federal Clean Water Act, which is intended to protect and restore waters for “fishable, swimmable” uses. The EPA has delegated permit authority to state environmental agencies, and these agencies can set permit conditions in accordance with and in addition to the minimum federal requirements. In Washington, Ecology is the NPDES-delegated permit authority.

Municipalities with populations of more than 100,000 (as of the 1990 census) have been designated as Phase I communities and must comply with Ecology’s Phase I NPDES Municipal Stormwater Permit. With Mount Vernon’s population below the 100,000-person threshold, the City must comply with the Phase II Municipal Stormwater Permit. About 100 other municipalities in Washington must also now comply with the Phase II Permit. Ecology’s Phase II Permit is available on Ecology’s Web site at <https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Stormwater-general-permits/Municipal-stormwater-general-permits>.

The Permit allows municipalities to discharge stormwater runoff from municipal drainage systems into the state’s water bodies (i.e., streams, rivers, lakes, and wetlands) as long as municipalities implement programs to protect water quality by reducing the discharge of “nonpoint source” pollutants to the “maximum extent practicable” (MEP) through application of Permit-specified “best management practices” (BMPs). The BMPs specified in the Permit are collectively referred to as the Stormwater Management Program (SWMP) and grouped under the following SWMP components:

- Stormwater Planning
- Public Education and Outreach (E&O)
- Public Involvement and Participation
- MS4 Mapping and Documentation
- Illicit Discharge Detection and Elimination (IDDE)
- Controlling Runoff from New Development, Redevelopment, and Construction Sites
- Operation and Maintenance (O&M)
- Source Control Program for Existing Development
- Compliance with Total Maximum Daily Load Requirements
- Monitoring and Assessment

The original Phase II Permit issued by Ecology became effective on February 16, 2007, with an expiration date of February 15, 2012. On June 17, 2009, Ecology released a modified version of the 2007 Permit, which changed some of the requirement deadlines. In 2011 the Washington State Legislature passed, and the governor signed ESHB 1478, authorizing Ecology to issue a new Permit, unchanged from the existing permit with effective dates from August 2012 to August 2013. Despite a gap between the Permit effective dates, the Permittees were required to continue to meet all requirements of the 2007 Permit through August 2013. An updated Permit was issued in August 2012 effective from August 2013 to August 2018; it was subsequently modified in January 2015 to reflect the outcomes of appeals made to the Pollution Control Hearings Board (PCHB). The Permit was originally set to expire on July 31, 2018, but Ecology administratively extended the Permit for one year, and subsequently issued the current Permit on July 1, 2019 with an effective date of August 1, 2019, and an expiration date of July 31, 2024. The 2022 SWMP incorporates requirements under the 2019-2024 Permit.

A summary schedule of requirements and deadlines contained in the 2019–24 Permit was developed by Ecology and is included as a reference in Appendix B to this SWMP Plan. The Permit requires the City to report annually (March 31 of each year) on progress in SWMP implementation for the prior year. The Permit also requires submittal of documentation that describes proposed SWMP activities for the coming year. Implementation of various Permit conditions is phased in over the 5-year Permit cycle.

Ecology has published an updated 2019 Stormwater Management Manual for Western Washington (2019 Ecology Manual) to correspond with new requirements in the Permit. The 2019 Ecology Manual is available primarily in a digital format, on Ecology’s website. Mount Vernon adopted the 2012 Ecology Manual, which will remain in effect until June, 2022, when the City will adopt the updated manual, or an Ecology approved alternative, as well as adopt and make effective source control BMPs, as required by the current Permit.

<https://fortress.wa.gov/ecy/publications/documents/1210030.pdf>

1.3 City of Mount Vernon Regulated Area

The Phase II Permit for Western Washington applies to operators of regulated small MS4s that discharge stormwater to waters of Washington State located west of the crest of the Cascade Range (west of the eastern boundaries of Whatcom, Skagit, Snohomish, King, Pierce, Lewis, and Skamania Counties). For cities, the Permit requirements extend only to those areas of each city that drain to MS4s. In Mount Vernon, much of the downtown area drains to a combined sewer overflow (CSO) system. This area is covered under Section 8 of the City’s NPDES Waste Discharge Permit, and runoff from this area drains to the City of Mount Vernon Wastewater Treatment Plant.

1.4 Total Maximum Daily Load Compliance

For stormwater discharges covered under this Permit, Permittees are required to implement actions necessary to achieve the pollutant reductions called for in applicable total maximum daily loads (TMDLs). A TMDL is based on calculations of the maximum amount of a pollutant a water body can receive and still meet water quality standards. Applicable TMDLs are those that have been approved by the EPA before the issuance date of the Permit or have been approved by the EPA prior to the date the Permittee’s application is received by Ecology. Information on Ecology’s TMDL program is available on Ecology’s Web site at <https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-improvement/Total-Maximum-Daily-Load-process>.

Ecology reviewed all TMDLs approved by EPA prior to Permit issuance, to determine whether municipal stormwater sources were identified in the TMDL. When most of these TMDLs were developed, municipal stormwater was considered a subset of nonpoint discharges, rather than a permitted discharge. As a result, very few TMDLs statewide contain requirements for municipal stormwater sources. Few TMDLs completed to

date have established load allocations (LAs) or waste load allocations (WLAs) for municipal stormwater discharges covered under this Permit.

Appendix 2 of the Permit lists the cities and counties affected by TMDLs that were approved by EPA prior to Permit issuance. While the City of Mount Vernon has not been listed in Appendix 2, there are water quality impairments (CWA section 303[d] “listings”) within the City that could potentially trigger TMDLs within a future Permit cycle.

The Lower Skagit River Fecal Coliform TMDL (Ecology 2007) is not listed in Appendix 2 but does have requirements for the City of Mount Vernon. The TMDL does not add any special requirements to the City’s Permit, but states that compliances with the Permit constitutes compliance with the TMDL. Implementation of the SWMP assures the City to be in full compliance with its obligation under the TMDL.

1.5 SWMP Implementation Responsibilities

The Public Works Department will be coordinating the overall administration of efforts to comply with Permit requirements. The Community and Economic Development (within Development Services) Department will play a large role in the implementation of Permit program activities such as inspections, Permit review, code revisions, etc. The City has contracted with the Skagit Conservation District (SCD) to implement the Public Education and Outreach requirements of the Permit. The Skagit County Public Health Department conducts septic system inspections and a local source control program that help to educate citizens and businesses about stormwater pollution. Table 1-1 summarizes participant responsibilities for ensuring future Permit compliance. Sections 2 through 11 highlight the planned efforts of these departments and entities in more detail.

Table 1-1. SWMP Implementation Responsibilities		
Program component	City departments	Outside entities ^a
Stormwater Planning	<ul style="list-style-type: none"> • Public Works • Development Services (DS) • Finance • Information Services (IS) • City Attorney’s Office • Human Resources (HR) 	Neighboring Municipalities (potential for coordination)
Public education and outreach	<ul style="list-style-type: none"> • Public Works • IS • DS 	SCD Skagit County Public Health Department
Public involvement and participation	<ul style="list-style-type: none"> • Public Works • IS 	SCD
MS4 Mapping and Documentation	<ul style="list-style-type: none"> • Public Works 	
Illicit discharge detection and elimination	<ul style="list-style-type: none"> • Public Works • DS • Fire Department • IS • Police • Parks & Recreation 	

Table 1-1. SWMP Implementation Responsibilities		
Program component	City departments	Outside entities ^a
Controlling Runoff from new and re-development and construction sites	<ul style="list-style-type: none"> Public Works DS City Attorney's Office 	
Pollution prevention and municipal operation and maintenance	<ul style="list-style-type: none"> Public Works DS City Attorney's Office Parks and Recreation Facilities 	
Source Control Program for Existing Development	<ul style="list-style-type: none"> Public Works 	Skagit County Public Health Department
Water quality monitoring and assessment	<ul style="list-style-type: none"> Public Works DS 	SCD

^a The Stormwater Outreach for Regional Municipalities (STORM) and Stormwater Work Group are outside entities that the City participates in and are resources for compliance assistance.

1.6 Document Organization

The contents of this document are based upon Permit requirements and Ecology’s “Guidance for City and County Annual Reports for Western Washington, Phase II Municipal Stormwater Permits.” The organization of the remainder of this SWMP Plan is modeled after that of the Permit:

- Section 2 addresses Permit requirements for administering the City’s SWMP for 2022.
- Section 3 addresses Permit requirements for stormwater planning for 2022.
- Section 4 addresses Permit requirements for public education and outreach (E&O) for 2022.
- Section 5 addresses Permit requirements for public involvement and participation (I&P) for 2022.
- Section 6 addresses Permit requirements for MS4 mapping and documentation for 2022.
- Section 7 addresses Permit requirements for IDDE for 2022.
- Section 8 addresses Permit requirements for controlling runoff from new development, redevelopment, and construction sites for 2022.
- Section 9 addresses Permit requirements for municipal O&M for 2022.
- Section 10 addresses Permit requirements for a source control program for existing development for 2022.
- Section 11 addresses Permit requirements for water quality monitoring and assessment for 2022.
- Section 12 summarizes the City’s compliance activities.
- Appendix A provides abbreviations and definitions from the Permit.
- Appendix B provides a schedule of requirements and deadlines for the 2019–24 Western Washington Phase II Municipal Stormwater Permit (published by Ecology).
- Appendix C provides the current City stormwater system map.

Section 2 Each section includes a summary of the relevant Permit requirements and a description of current and planned compliance activities.

Stormwater Management Program Administration

This section of the SWMP Plan provides a description of Permit requirements related to overall SWMP administration, including descriptions of the City's current and planned compliance activities for 2022.

2.1 Permit Requirements

The Permit (Section S5.A) requires the City to perform the following tasks over the course of the Permit cycle:

- Implement a SWMP and prepare written documentation (SWMP Plan) for submittal to Ecology on March 31 of each year, including annual updates to the SWMP. The purpose of the SWMP is to reduce pollutant discharge from the municipal stormwater system to the maximum extent practicable and thereby protect water quality.
- Submit the SWMP Plan for the new calendar year with annual compliance reports for the previous calendar year to Ecology by March 31, summarizing implementation status and providing information from assessment and evaluation procedures collected during the reporting period. Annual compliance reporting commenced in March 2015 (for the 2014 reporting year). The SWMP Plan for 2022 will be submitted to Ecology by March 31, 2022.
- Include in SWMP an on-going program for gathering, tracking, maintaining, and using information to evaluate SWMP development, implementation, and permit compliance and to set priorities.
- Coordinate with other Permittees on stormwater-related policies, programs, and projects within adjacent or shared areas, and internal coordination among departments of each jurisdiction.

2.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the Permit include the following:

- The City has defined roles and responsibilities and developed standard operating procedures (SOPs) for completing updates to future SWMP documents and the Annual Compliance Report.
- The City maintains a cost accounting database for tracking annual Permit costs.
- The City maintains a training database for tracking and documenting compliance with all NPDES-related training.
- The City continues to coordinate with external entities such as the SCD, Sedro-Woolley, Burlington, Anacortes, and Skagit County.
- The City meets quarterly with The North Sound NPDES Municipal Stormwater Permit Phase I/II Forum to discuss stormwater policies and projects in the area.
- The City participates in the regional forums under Stormwater Outreach for Regional Municipalities (STORM), NPDES Permit coordinators, Operations and Maintenance Regional Coordination Program (Road Map), as well as the NPDES Municipal Environmental Justice Work Group.

2.3 Planned 2022 Compliance Activities

The City has positioned itself well to maintain compliance as Ecology phases in the future Permit requirements. Actions recommended for continued compliance are included in Table 2-1, which presents the work plan for the 2022 SWMP administration activities.

Table 2-1. 2022 Stormwater Management Program Administration Work Plan				
Task ID	Task description	Lead	Support	Compliance time frame
SWMP-1	Continue development of existing NPDES SWMP cost accounting strategy and tracking system. Train staff on new system.	Public Works, Finance		City maintains cost-tracking database.
SWMP-2	Continue use and updates for NPDES training management structure and tracking system.	Public Works, IS, HR	All	City maintains NPDES training database.
SWMP-3	Maintain system for managing SOPs that are used among multiple departments.	Public Works, Finance	City Attorney's Office	Ongoing.
SWMP-4	Summarize annual activities for "Stormwater Management Program" component of Annual Report; identify any updates to SWMP document.	Public Works, Finance	All	The SWMP and Annual Compliance Report submittal for the previous year is due on or before March 31 of each year.
SWMP-5	Coordinate with other Permittees on stormwater-related policies, programs, and projects within adjacent or shared areas.	Public Works	All	Local jurisdictions meet quarterly to discuss stormwater-related policies and programs. Continue to follow STORM, APWA NPDES Permit coordinators, and Road Map forums. Monitor the State Stormwater Work Group.

Section 3

Stormwater Planning

This section provides a description of the Permit requirements related to Stormwater Planning and compliance activities for 2022.

3.1 Permit Requirements

The Permit (Section S5.C.1) requires the City to perform the following tasks over the course of the Permit cycle:

- By August 1, 2020, convene an inter-disciplinary team to inform and assist in the development, progress, and influence of this program.
- Describe how stormwater management needs and protection/improvement of receiving water health are (or are not) informing the planning update processes and influencing policies and implementation strategies within the City by:
 - Respond to a series of Stormwater Planning Annual Report questions on or before March 31, 2021 and
 - Submit a report responding to the same questions on or before January 1, 2023.
- Continue to require LID principles and LID BMPs when updating, revising, and developing new local development-related codes, rules, standards, or other enforceable documents, as needed.
- Conduct Stormwater Management Action Planning, which consists of:
 - Performing a “Receiving Water Assessment” documenting which receiving waters are most likely to benefit from stormwater management planning and submit a watershed inventory by March 31, 2022.
 - Develop a “Receiving Water Prioritization” and document prioritized and ranked list of receiving waters by June 30, 2022.
 - Develop a Stormwater Management Action Plan (SMAP) for at least one high priority catchment area by March 31, 2023.

3.2 Current Compliance Activities

The 2019 Permit introduced new requirements for Stormwater Planning in section S5.C1.d. The goal of these requirements is to motivate municipalities to think strategically about which of their watersheds are most in need of pollution control efforts and which would most benefit from a stormwater management action program.

The city is currently undertaking the following activities to ensure compliance with the Permit:

- The City has convened an “Interdisciplinary Team” comprised of employees from the Public Works, Development Services and Streets departments, as well as consultants that will continue stormwater planning activities.
- The City has begun the SMAP process and compiled a waterbody inventory, which will be submitted to Ecology March 31, 2022.

3.3 Planned 2022 Compliance Activities

The City plans to undertake the compliance activities listed in Table 3-1 in 2022.

Table 3-1. 2022 Stormwater Planning and Compliance Work Plan				
Task ID	Task description	Lead	Support	Compliance time frame
SWP-1	Convene an inter-disciplinary team to inform and assist in the development, progress, and influence of this program.	Public Works		Ongoing
SWP-2	Continue inter-departmental coordination to ensure stormwater impacts are addressed in long-term planning efforts.	Public Works	DS	Ongoing
SWP-3	Complete Receiving Water Assessment.	Public Works		Final inventory and assessment submitted by March 31, 2022
SWP-4	Complete Receiving Water Prioritization.	Public Works	DS	Prioritization to be documented by June 30, 2022
SWP-5	Begin work on SMAP effort.	Public Works	DS	Can begin August 1, 2022

Section 4

Public Education and Outreach

This section provides a description of the Permit requirements related to public education and outreach (E&O), including descriptions of the City's current and planned compliance activities for 2022.

4.1 Permit Requirements

The Permit (Section S5.C.2) requires the City to perform the following tasks over the course of the Permit cycle:

- Implement an E&O program designed to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts. The program shall be designed to educate target audiences (e.g., the general public, businesses, homeowners, students, developers, City employees, etc.) about the stormwater problem and actions they can take to minimize the problem.
- Create stewardship opportunities to encourage participation in activities such as stream teams, storm drain marking, volunteer monitoring, riparian plantings, and education activities.
- No later than March 31, 2024 Permittee shall evaluate and report on the effectiveness of the implemented strategies, including the changes in understanding and adoption of targeted behaviors, as well as any planned or recommended changes to the campaign in order to be more effective.
- Track and maintain records of public E&O activities.

4.2 Current Compliance Activities

The City currently contracts with the SCD to conduct numerous E&O activities that address stormwater management. Skagit County also assists the City with stormwater education and outreach through its "On Site Sewage Program" that informs citizens and businesses on septic system operation and maintenance. Skagit County and SCD's current activities and programs address the Permit requirements. These programs address the general public, residents/homeowners, developers, City staff, contractors, businesses, engineers, and schoolchildren. The City has also been using the City cable TV channel to broadcast information about stormwater.

SCD tracks all its E&O efforts and attendees to workshops in Excel databases and Word documents. Skagit County also documents all inspections and businesses visited in spreadsheets. These documents are submitted to the City annually.

The City Information Services Department tracks the number of times videos and commercials are played relating to stormwater.

The City is participating in the STORM group to help identify appropriate program evaluation techniques to measure improvements in stormwater quality from E&O efforts.

4.3 Planned 2022 Compliance Activities

The City has an existing stormwater public E&O program that meets the requirements of the Permit. The City will continue to partner with SCD in 2022 to carry on similar activities as those listed in Section 4.2. Actions recommended for continued compliance are included in Table 4-1, which presents the work plan for the 2022 Public Education and Outreach activities.

Table 4-1. 2022 Public Education and Outreach Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
EDUC-1	Coordinate with SCD, APWA, STORM, and other regional efforts to implement the E&O Plan.	Public Works	SCD	Ongoing.
EDUC-2	Continue collaboration with other NPDES municipalities and the STORM group to identify appropriate program evaluation techniques.	Public Works	SCD and STORM	Ongoing.
EDUC-3	Continue to implement E&O strategy with SCD to supplement existing activities.	Public Works	SCD IS	Ongoing.
EDUC-4	Continue developing the process to evaluate understanding and adoption of target behaviors.	Public Works	SCD and STORM	Ongoing.
EDUC-5	Summarize annual activities for “Public Education and Outreach” component of Annual Report; identify any updates to SWMP document.	Public Works	SCD	The SWMP and Annual Compliance Report submittal is due on or before March 31 of each year.
EDUC-6	Create stewardship opportunities and/or partner with existing organizations to encourage residents to participate in activities such as stream teams, storm drain marking, volunteer monitoring, riparian plantings, and education activities.	Public Works	SCD and STORM	Ongoing.
EDUC-8	Evaluate and report on program strategies.	Public Works	SCD and STORM	March 31, 2024

Section 5

Public Involvement and Participation

This section provides a description of the Permit requirements related to public involvement, including descriptions of the City's current and planned compliance activities for 2022.

5.1 Permit Requirements

The Permit (Section S5.C.3) requires the City to perform the following tasks over the course of the Permit cycle:

- Provide ongoing opportunities for public involvement through advisory boards or commissions, public hearings, watershed committees, and public participation in developing rate structures and budgets, or other similar activities. The public must be able to participate in the decision-making processes, including development, implementation, and updates of the SWMP as well as SMAP efforts.
- Make the SWMP and Annual Compliance Report available to the public, including posting it on the City's Web site by May 31 of each year. Make any other documents required by the Permit to be submitted to Ecology available to the public.

5.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the Permit include the following:

- The City has defined a series of public involvement activities intended to meet the Permit requirements for public involvement in development of the 2022 SWMP Plan. This process involves a presentation of the proposed SWMP elements at a public meeting before the City Council Public Works Committee.
- The City posted the Draft SWMP Plan on the City's Web site, made announcements on the City cable TV channel (TV10), and sent announcements to the Skagit Valley Herald for public comments prior to the public meeting. The SMAP prioritization and final SMAP will also be posted publicly for comment.
- The City will make the 2022 Final SWMP Plan, SMAP prioritization, and SMAP available to the public on the City's Web site, at the public library, and in the Public Works Department main office building.

5.3 Planned 2022 Compliance Activities

The City has an existing stormwater public involvement program that meets the Permit requirements. Actions recommended for continued compliance are included in Table 5-1, which presents the work plan for the 2022 public involvement activities.

Table 5-1. 2022 Public Involvement Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
PI-1	Implement public involvement opportunities for annual SWMP update and reporting process.	Public Works		Prior to finalizing SWMP.
PI-2	Make SWMP, Annual Compliance Report, and SMAP elements available to the public by posting it on the City Web site, public library, and in the Public Works Department building. Post announcements on Web site and in newspaper.	Public Works	IS	The SWMP and Annual Compliance Report public posting is due on or before May 31 of each year.
PI-3	Summarize annual activities for the "Public Involvement and Participation" component of the Annual Report; identify any updates to the SWMP document.	Public Works	SCD	Due on or before March 31 of each year.

Section 6

MS4 Mapping and Documentation

This section provides a description of the Permit requirements related to public involvement, including descriptions of the City's current and planned compliance activities for 2022.

6.1 Permit Requirements

The Permit (Section S5.C.4) requires the City to perform the following tasks over the course of the Permit cycle:

- Continue to maintain mapping data for known MS4 outfalls and discharge points, receiving waters (other than groundwater), stormwater treatment and flow control BMPs/facilities owned or operated by the City, geographic areas served by the City's MS4 that do not discharge stormwater to surface waters, tributary conveyances to all known outfalls and discharge points with a nominal diameter of 24 inches or larger, connections between the MS4 and other public entities, and connections to the MS4 authorized or allowed by the Permittee after February 16, 2007.
- By January 1 2020, begin to collect data for size and material for all known MS4 outfalls and update records.
- By August 1, 2021, have all mapping data stored electronically using GIS, CAD drawings, or other asset management software.
- By August 1, 2023, complete mapping of all known connections from MS4 to privately owned stormwater systems.

6.2 Current Compliance Activities

The City of Mount Vernon has undertaken the following compliance activities:

- The City maintains much of its storm sewer information system in an electronic format and has produced a storm sewer system map that is updated as new data becomes available. See Appendix C for a recent version of the City storm sewer system map. The City is continuing to field-verify the City stormwater system to validate the City's GIS network model.
- The City maintains data regarding outfall size and material for known MS4 outfalls.

6.3 Planned 2022 Compliance Activities

The city's mapping and documentation program is in progress and is currently compliant with the Permit. Efforts to map and update records of outfalls, discharge points, and BMPs will continue in 2022.

Table 6-1. 2022 Illicit Discharge Detection and Elimination Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
MAP-1	Continue updating storm system map to address data gaps and Permit conditions.	Public Works		Ongoing.
MAP-2	Continue collecting information on the size and material for all known MS4 outfalls.	Public Works		Ongoing.

Section 7

Illicit Discharge Detection and Elimination

This section provides a description of the Permit requirements related to IDDE, including descriptions of the City's current and planned compliance activities for 2022.

7.1 Permit Requirements

The Permit (Section S5.C.5) requires the City to perform the following tasks over the course of the Permit cycle:

- Implement an ongoing program to prevent, detect, characterize, trace, and eliminate illicit connections and discharges into the MS4.
- Continue to enforce ordinances that prohibit illicit discharges, and a compliance strategy that ensures maintenance standards necessary to detect and address illicit discharges.
- Maintain an ongoing program to detect and identify non-stormwater discharges and illicit connections and to address illicit discharges to the MS4.
- Continue to perform field screening for an average of 12 percent of the MS4 each year.
- Publicly list and publicize a hotline or other local telephone number for public reporting of spills and other illicit discharges. Track through closeout any illicit discharge reports and actions taken in response, including enforcement actions.
- Maintain an ongoing training program for City staff that may come into contact with or respond to illicit connections or discharges. Train field staff on proper IDDE response procedures and processes and municipal field staff to recognize and report illicit discharges.
- Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
- Summarize all illicit discharges and connections reported to the City and response actions taken (including enforcement actions) in the Annual Compliance Report; identify any IDDE updates to the SWMP.

7.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the Permit include the following:

- The City's Web site and phonebook list the public hotline to report illicit discharges and/or spills, and hotline is also publicized on public service announcements on television.
- The City records all phone calls received to the Public Works Department. The calls reporting illicit discharges are then distributed to the appropriate response authority. Follow-up actions are recorded in the same database.
- City has self-administered IDDE training for new employees, and updated training software.
- Regular online refresher trainings are conducted for City departments.

- The City conducted inspections of portions of the storm sewer system, including screening for illicit discharges and connections.
- The City conducted dry weather visual inspection of outfalls from the Skagit River drainage area.
- The City responded to reports of illicit discharges and took appropriate actions to eliminate discharges, including following proper reporting procedures.
- The City updated its in-house training software and continues to track all staff training to ensure that all City staff have the appropriate training.
- The City updated its asset management software Asset Essentials.
- The City summarizes all illicit discharges and connections, response actions taken, and enforcement actions in its Annual Compliance Reports.

7.3 Planned 2022 Compliance Activities

The City has an existing IDDE program and has progressively updated the program to maintain compliance as additional Permit requirements have phased in. Actions recommended for continued compliance are included in Table 7-1, which presents the work plan for the 2022 IDDE activities.

Table 7-1. 2022 Illicit Discharge Detection and Elimination Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
IDDE-1	Maintain IDDE response process including a standard, citywide IDDE response and enforcement SOPs, enhanced by 2020 asset management system upgrade.	Public Works	DS	Ongoing.
IDDE-2	Continue to implement citywide IDDE Program.	Public Works		Ongoing.
IDDE-3	Continue updating storm system map to address data gaps and Permit conditions. (See Mapping requirements, task MAP-1 in previous section)	Public Works		Ongoing.
IDDE-4	Implement SOPs for minimizing pollutant releases from permitted non-stormwater discharges (e.g., fire hydrant system flushing, water line flushing, and dechlorinated swimming pools).	Public Works	DS Fire Department	Ongoing.
IDDE-5	Continue to use issue-tracking and resolution system that includes enforcement actions, enhanced by 2020 asset management system upgrade. Capture feedback from public E&O efforts.	Public Works	IS	Ongoing.
IDDE-6	Refresh self-administered intranet IDDE awareness training for all municipal staff in the field.	Public Works	IS	City maintains self-administered training available for new employees and to periodically refresh previously trained employees.
IDDE-7	Publicize hotline for public reporting of spills and other illicit discharges. Create record-keeping system for all calls received and actions taken to report in annual report each year.	Public Works	DS	Ongoing.
IDDE-8	Tracked the number of illicit connection inspections.	Public Works	DS	Ongoing, City planning to continue conducting TV sewer inspections of storm sewers for condition and illicit connection assessment.
IDDE-9	Maintain map that shows the location of all known municipal separate storm sewer outfalls, receiving waters, and structural stormwater BMPs.	Public Works	DS	Ongoing.
IDDE-10	Perform visual inspection of prioritized receiving water bodies. Maddox Creek outfalls are targeted for 2022.	Public Works		Planned for summer 2022.

Table 7-1. 2022 Illicit Discharge Detection and Elimination Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
IDDE-11	Summarize annual activities for “Illicit Discharge Detection and Elimination” component of Annual Report; identify any updates to SWMP.	Public Works		The SWMP and Annual Compliance Report submittal is due on or before March 31 of each year.
IDDE-12	Perform field screening (outfalls) of, on average, 12 percent each year and document field screening methodology in Annual Compliance Report.	Public Works		Screening of 12 percent on average each year is ongoing.

Section 8

Controlling Runoff from New Development, Redevelopment, and Construction Sites

This section provides a description of the Permit requirements related to controlling runoff from new development, redevelopment, and construction sites, including descriptions of the City's current and planned compliance activities for 2022.

8.1 Permit Requirements

The Permit (Section S5.C.6) requires the City to perform the following tasks over the course of the Permit cycle:

- Continue to implement existing Municipal Code regulations aimed at reducing pollutants in stormwater runoff (i.e., illicit discharges) to the MS4 from new development, redevelopment, and construction site activities.
- Ensure that Municipal Code (or other enforceable mechanisms chosen to meet this requirement) adhere to, at a minimum, the thresholds and definitions outlined in Appendix 1 of the Permit as well as the State requirements under Chapter 90.48 RCW, and grant the City legal authority through the approval process for new and re-development to inspect and enforce maintenance standards for private stormwater facilities approved under the provisions of this section that discharge to the City's MS4.
- Implement a permitting process with qualified personnel to perform stormwater site plan reviews, inspections prior to clearing and construction of sites that have a high potential for sediment transport, inspections of all permitted development sites during construction, management of maintenance activities of all stormwater treatment and flow control facilities, and inspection of all permitted development sites upon completion of construction, as well as a procedure for keeping records of inspections and enforcement actions.
- Perform annual inspections of all permanent stormwater treatment and flow control BMPs/facilities discharging to the MS4 that were constructed in accordance with the Permit requirements – compliance during this permit term shall be determined by achieving at least 80 percent of the required inspections.
- Provide copies of the *Construction Stormwater General Permit* Notice of Intent (NOI) form for construction or industrial activities to representatives of the proposed new development and redevelopment.
- Provide training to staff on updated codes, standards, and SOPs, and create public E&O materials. Develop and define a process to record and maintain all inspections and enforcement actions by staff for inclusion in the Annual Compliance Report.
- Summarize annual activities for the "Controlling Runoff" component of the Annual Compliance Report; identify any updates to the SWMP.

8.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the Permit include the following:

- The City has developed and implemented SOPs to reduce pollutants in stormwater runoff from new development, redevelopment, and construction site activities. The City enforces this program through the Municipal Code. The City currently addresses the minimum requirements, technical thresholds, and definitions requirements of the Permit and has adopted a new code that became effective in December 2016.
- The City has existing programs, codes, standards, SOPs, and data management systems (SmartGov and Eclipse) addressing many of the Permit requirements. The plan review, inspection, and enforcement SOPs will be refined and updated.
- The City adopted the 2012 Ecology Manual effective December 2016. The adoption of the 2012 Ecology Manual will remain in effect until June, 2022, when the 2019 Manual, or an approved equivalent, will be adopted.
- The City Code has provisions to allow for LID in the Critical Areas Ordinance. The City also encourages the use of LID at the pre-permit application meeting.
- The City completes the required inspections, including development sites prior to construction, future City infrastructure sites during construction, and future City infrastructure sites post-construction.
- The City completes the required inspections for private infrastructure.
- The City records and maintains inspections results in log-books.
- The City inspects new flow control and water quality treatment facilities at the required times and frequency.
- NOI forms are available at the customer service desk and are also mentioned in the Pre-permit application meetings for applicable developments.

8.3 Planned 2022 Compliance Activities

The City has a program to help reduce stormwater runoff from new development and construction sites, but updates will be necessary to maintain compliance as Ecology phases in Permit requirements. Table 8-1 presents the work plan for 2022 SWMP activities related to runoff control for new development, redevelopment, and construction sites.

Table 8-1. 2022 Controlling Runoff from New Development, Redevelopment, and Construction Sites Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
CTRL-1	Continue to implement adopted codes, standards, SOPs, and the 2012 Ecology Manual.	Public Works	DS	Ongoing until June.
CTRL-2	Adopt the 2019 Ecology Manual or an approved alternative.	Public Works	DS	June.
CTRL-3	Apply technical thresholds in Appendix 1 to all sites 1 acre or greater.	Public Works	DS	Ongoing.
CTRL-4	Continue evaluating and implementing the City's stormwater permitting, plan review, inspection, enforcement, and record-keeping processes.	Public Works, DS	City Attorney's Office	Ongoing.
CTRL-5	Track number of inspections, plan reviews, and enforcement.	Public Works	DS	Ongoing.
CTRL-6	Establish program to annually inspect all stormwater treatment flow control facilities (other than catch basins) permitted by the Permittee.	Public Works		Ongoing.
CTRL-7	Conduct staff training and public E&O on implementing Stormwater Manual and Permit requirements.	Public Works	SCD	Ongoing.

Table 8-1. 2022 Controlling Runoff from New Development, Redevelopment, and Construction Sites Work Plan				
Task ID	Task description	Lead	Support	Compliance time frame
CTRL-8	Continue implementing long-term stormwater system operation and maintenance plans for stormwater facilities.	Public Works	DS	Ongoing.
CTRL-9	Summarize annual activities for “Controlling Runoff from New Development, Redevelopment, and Construction Sites” component of Annual Report; identify any updates to SWMP.	Public Works	DS	The SWMP Plan and Annual Compliance Report submittal is due on or before March 31 of each year.

Section 9

Municipal Operations and Maintenance

This section provides a description of the Permit requirements related to municipal operations and maintenance, including descriptions of the City's current and planned compliance activities for 2022.

9.1 Permit Requirements

The Permit (Section S5.C.7) requires the City to perform the following tasks over the course of the Permit cycle:

- Continue to implement maintenance standards for the MS4 that are at least as protective as those specified in the 2019 Stormwater Management Manual for Western Washington, and for facilities that do not have a maintenance standard, the permittee shall develop one. No later than June 30, 2022, the City shall update their maintenance standards as necessary to meet the requirements of this Section.
- Perform inspections of all stormwater flow control and treatment facilities and catch basins in accordance with Permit requirements, unless previous inspection data show that a reduced frequency is justified. Compliance with this inspection requirement shall be determined by the presence of records of an established inspection program designed to inspect all facilities and achieving at least 80 percent of required inspections. Have processes in place to reduce stormwater impacts associated with runoff from all lands owned or maintained by the City, and from municipal O&M activities, including but not limited to those involving streets, parking lots, roads, or highways owned or maintained by the City. Perform inspection of all catch basins and inlets owned and operated by the Permittee once every 2 years.
- Train staff to implement updated processes and document that training.
- Maintain stormwater pollution prevention plans (SWPPPs) for all heavy equipment maintenance or storage yards identified for year-round facilities or yards, and material storage facilities owned or operated by the City. As necessary, update SWPPPs no later than December 31, 2022.
- Summarize annual activities for the "Municipal Operations and Maintenance" component of the Annual Compliance Report; identify any updates to the SWMP.

9.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the above Permit requirements include the following:

- The City operates an O&M program, with the ultimate goal of preventing or reducing pollutant runoff from municipal operations.
- The City is currently on track to comply with required municipal stormwater facility inspection frequencies. The City also conducts spot checks of potentially damaged treatment and control facilities. All inspections are recorded in inspection logs.
- The City conducts numerous activities to reduce stormwater impacts associated with runoff from municipal O&M activities, including but not limited to streets, parking lots, and roads owned or maintained by the City. Some of the activities include street sweeping, ditch maintenance, dust control, and pond maintenance.

- Sewer and drainage crews receive training from the Washington Wastewater Collection Personnel Association (WWCPA) biennially.
- The City has developed a SWPPP for the maintenance yard, updated as of December 2017.
- The City conducts regular refresher trainings for City staff.
- The City conducted trainings for all maintenance yard staff in 2010.
- City staff from the Public Works Department, Roads Department, and Parks Department has received training on pollution prevention.
- The City has adopted administrative operating policies and procedures in the form of an Integrated Pest Management Plan (IPM) and a Property and Facility Management Plan for Pollution Reduction in accordance with Section S5.C.5.f of the Permit.
- The City summarizes all associated activities in its Annual Compliance Report, due on March 31 of each year.
- The City updated its asset management software Asset Essentials and will continue to utilize this in O&M compliance.

9.3 Planned 2022 Compliance Activities

The City conducts the Permit-required activities to limit stormwater pollution potential related to its O&M program and has made necessary program updates to maintain compliance as additional Permit requirements have phased in. Table 9-1 presents the work plan for 2022 SWMP activities related to pollution prevention and O&M activities.

Table 9-1. 2022 Pollution Prevention and Operations Maintenance Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
PPOM-1	Maintain records of inspections and maintenance or repair activities conducted, incorporating 2020 asset management system upgrade.	Public Works		Ongoing.
PPOM-2	Continue to implement City maintenance standards in accordance with Ecology 2012 Manual for City-performed maintenance activities.	City Attorney's Office	Public Works	Ongoing until June.
PPOM-3	Adopt the 2019 Ecology Manual or an approved alternative.	Public Works	Facilities, DS	June.
PPOM-4	Maintain inspection program for City-owned or operated stormwater catch basins and for public and private flow control, runoff treatment, and low impact development facilities, where required by and consistent with the schedules identified in the Permit.	Public Works		Ongoing.
PPOM-5	Continue implementing policies and procedures for O&M activities to reduce pollutants in stormwater discharges from lands owned or maintained by the City.	Public Works	Parks and Recreation, Facilities, DS	Ongoing.
PPOM-6	Summarize annual activities for "Municipal Operations and Maintenance" component of Annual Report; identify any updates to SWPPP.	Public Works		The SWMP Plan and Annual Compliance Report submittal is due on or before March 31 of each year.
PPOM-7	Inspect all catch basins and inlets owned or operated by the City at least once every two years.	Public Works		Ongoing.
PPOM-8	Refresh staff training on SWPPP.	Public Works		Ongoing.

Section 10

Source Control Program for Existing Development

10.1 Permit Requirements

The Permit (Section S5.C.8) requires the City to perform the following tasks over the course of the Permit cycle:

- Implement a program to prevent and reduce pollutants in runoff from existing development by applying operational and if necessary structural source control BMPs or treatment BMPs/facilities, or both, to pollution generating sources associated with existing land use and activities.
- Program should include inspections of pollutant generating sources from both public and privately owned sites and should also be applied to sites that have previously been authorized to discharge to the MS4.
- No later than August 1, 2022, the City shall adopt and make effective an ordinance (or other enforceable mechanism) requiring the application of source control BMPs for pollutant generating sources.
- No later than August 1, 2022, the City shall establish an inventory that identified publicly and privately owned sites which have the potential to generate pollutants to the MS4. This inventory shall include businesses and/or sites identified based on the presence of activities that are pollutant generating (as laid out in Appendix 8 of the Permit), and other pollutant generating sources based on complaint response, such as home-based businesses and multi-family sites.
- No later than January 1, 2023, the City shall implement an inspection program for sites identified in the aforementioned inventory and annually complete inspections equal to 20 percent of the businesses and/or sites listed in their source control inventory.
- No later than January 1, 2023, the City shall implement a progressive enforcement policy that requires sites to comply with stormwater requirements within a reasonable time period.
- The City shall train staff who are responsible for the implementation of this program.

10.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the above Permit requirements include the following:

- The City is currently partnered with Skagit County Public Health Department (SCPHD) to address existing development. As a part of this effort the City has already identified all businesses that are of the Standard Industrial Classification (SIC).

10.3 Planned 2022 Compliance Activities

The city plans to address requirements in Section S5.C.8 in 2022 by performing the following compliance activities:

Table 10-1. 2022 Pollution Prevention and Operations Maintenance Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
CTRL-EX-1	Continue coordination with SCPHD to develop and implement a program to prevent and reduce pollutants in runoff from existing development.	Public Works	SCPHD	Ongoing
CTRL-EX-2	Continue to coordinate with other Skagit County jurisdictions to develop strategies and a timeline for implementation of these requirements.	Public Works		Ongoing

Section 11

Monitoring and Assessment

This section provides a description of the Permit requirements related to water quality monitoring, including descriptions of the City's current and planned compliance activities for 2022.

11.1 Permit Requirements

The Permit (Section S8) requires municipalities to conduct water quality sampling and program assessments during this Permit cycle, or to participate in State-conducted programs to meet these requirements:

- For monitoring and assessment requirements, the City selected Option 1, requiring the City to pay into a collective fund to implement a Regional Stormwater Monitoring Program (RSMP). The city is required to contribute \$5,683 to an RSMP dedicated to the status and trends regarding small streams and marine nearshore areas, and \$10,387 to an RSMP dedicated to effectiveness and source identification studies. Annual payments are due to Ecology on or before August 15th, each year.
- The City shall provide information as requested for effectiveness and source identification studies that are under contract with Ecology as active Stormwater Action Monitoring (SAM) projects. Up to three requests maximum can be made a year, and the City will have 90 days to provide the requested information.

11.2 Current Compliance Activities

The City currently has activities and programs that address the Permit requirements. The current compliance activities associated with the above Permit requirements include the following:

- The City is continuing to summarize monitoring activities in the Annual Report.
- The City is continuing to make payments to Regional Stormwater Monitoring Programs.

11.3 Planned 2022 Compliance Activities

The City created a Water Quality Monitoring Program to maintain compliance as Ecology phases in current and future Permit requirements. Table 11-1 presents the work plan for 2022 SWMP monitoring activities.

Table 11-1. 2022 Monitoring Work Plan

Task ID	Task description	Lead	Support	Compliance time frame
MNTR-1	Summarize annual monitoring activities for the Annual Report.	Public Works		The SWMP and Annual Compliance Report submittal is due on or before March 31 of each year.
MNTR-2	Continue annual payment into RSMP for small streams and marine nearshore status trends.	Public Works		Annual payment of \$5,683 to Ecology to be made on or before August 15, 2020 each year.
MNTR-3	Continue annual payment into RSMP for effectiveness studies and Source Identification studies.	Public Works		Annual payments of \$10,387 to Ecology to be made on or before August 15, 2020 each year.

Section 12

Summary

The City of Mount Vernon is currently in compliance with the Phase II Permit and has planned activities for 2022 to ensure continued compliance. There are multiple tasks that the City has completed and multiple ongoing tasks that the City is conducting to ensure continuing compliance with the Permit requirements.

On July 1, 2019, a 5-year Permit cycle began for August 1, 2019 to July 31, 2024. The permit is largely the same as the previous Permit and focuses on continuing on-going compliance efforts. The following changes represent the most significant efforts needed to be undertaken by Phase II permittees in the coming permit cycle:

- Some existing sections have been split up, such as the new Mapping section (S5.C.4) which is derived from the previous permits' IDDE section (S5.C.5).
- New permit sections have been added for Stormwater Planning (S5.C.1) and Source Control Program for Existing Development (S5.C.8).
- The new Stormwater Planning section focuses on implementing planning efforts to enable municipalities to think strategically about which of their watersheds are most in need of pollution control efforts and would most benefit from a stormwater management action program.
- The new source control section of the Permit empowers municipalities to monitor existing development, a previously overlooked source of potentially polluted runoff.

The City administers its SWMP through annual updates and reports progress to Ecology in an Annual Report. Some of the key on-going Permit compliance efforts of the City include:

- Working with Skagit Conservation District (SCD) to implement the Public Education and Outreach Program
- Working with the Northern Stormwater Outreach Group (SOG) and Skagit County Public Health Department to formalize the existing regional source control program
- Posting the SWMP document online every March, presenting it at the City Council, and providing a period for public comment
- Providing an ongoing IDDE program including a reporting hotline available to the public
- Providing training to staff to identify and respond to illicit discharges and connections; as well as
- Ongoing SMAP work to meet the requirements of permit section S5.C1.d

Additional information on the City's NPDES program can be found online at <https://www.mountvernonwa.gov/426/NPDES-Stormwater-Permit>

Additional information on the current Ecology Stormwater Permit can be found online at <https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Stormwater-general-permits/Municipal-stormwater-general-permits/Western-Washington-Phase-II-Municipal-Stormwater>

Appendix A:

Abbreviations and Definitions from Permit

Appendix A

Abbreviations and Definitions from Permit

The following definitions and abbreviations are taken directly from the Phase II Permit and are reproduced here for the reader's convenience.

40 CFR means Title 40 of the Code of Federal Regulations, which is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the federal government.

AKART means all known, available, and reasonable methods of prevention, control and treatment. See also State Water Pollution Control Act, chapter 90.48.010 RCW and chapter 90.48.520 RCW.

All Known, Available and Reasonable Methods of Prevention, Control and Treatment refers to the State Water Pollution Control Act, chapter 90.48.010 RCW and chapter 90.48.520 RCW.

Applicable TMDL means a TMDL which has been approved by EPA on or before the issuance date of this Permit, or prior to the date that Ecology issues coverage under this Permit, whichever is later.

Beneficial Uses means uses of waters of the State, which include but are not limited to use for domestic, stock watering, industrial, commercial, agricultural, irrigation, mining, fish and wildlife maintenance and enhancement, recreation, generation of electric power and preservation of environmental and aesthetic values, and all other uses compatible with the enjoyment of the public waters of the State.

Best Management Practices are the schedules of activities, prohibitions of practices, maintenance procedures, and structural and/or managerial practices approved by Ecology that, when used singly or in combination, prevent or reduce the release of pollutants and other adverse impacts to waters of Washington State.

BMP means Best Management Practice.

Bypass means the diversion of stormwater from any portion of a stormwater treatment facility.

Circuit means a portion of a MS4 discharging to a single point or serving a discrete area determined by traffic volumes, land use, topography or the configuration of the MS4.

Component or Program Component means an element of the Stormwater Management Program listed in S5 Stormwater Management Program for Cities, Towns, and Counties or S6 Stormwater Management Program for Secondary Permittees, or S7 Compliance with Total Maximum Daily Load Requirements, or S8 Monitoring and Assessment, of this permit.

Community-based social marketing is a social marketing methodology. It employs a systematic approach intended to change the behavior of communities to reduce their impact on the environment. Realizing that providing information is usually not sufficient to initiate behavior change, community-based social marketing uses tools and findings from social psychology to discover the perceived barriers to behavior change and ways of overcoming these barriers.

Conveyance System means that portion of the municipal separate storm sewer system designed or used for conveying stormwater.

Co-Permittee means an owner or operator of an MS4 which is in a cooperative agreement with at least one other applicant for coverage under this Permit. A Co-Permittee is an owner or operator of a regulated MS4 located within or in proximity to another regulated MS4. A Co-Permittee is only responsible for permit conditions relating to discharges from the MS4 the Co-Permittee owns or operates. See also 40 CFR 122.26(b)(1).

CWA means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. (6-483 and Pub. L. 97-117, 33 U.S.C. 1251 et seq.).

Director means the Director of the Washington State Department of Ecology, or an authorized representative.

Discharge Point means the location where a discharge leaves the Permittee's MS4 through the Permittee's MS4 facilities/BMPs designed to infiltrate.

Entity means a governmental body, or a public or private organization.

EPA means the U.S. Environmental Protection Agency.

Fully Stabilized means the establishment of a permanent vegetative ground cover, or equivalent permanent stabilization measures (such as riprap, gabions or geotextiles) which prevents erosion.

General Permit means a permit which covers multiple dischargers of a point source category within a designated geographical area, in lieu of individual permits being issued to each discharger.

Groundwater means water in a saturated zone or stratum beneath the surface of the land or below a surface water body. Refer to Chapter 173-200 WAC.

Hazardous Substance means any liquid, solid, gas, or sludge, including any material, substance, product, commodity, or waste, regardless of quantity, that exhibits any of the physical, chemical, or biological properties described in WAC 173-303-090 or WAC 173-303-100.

Heavy Equipment Maintenance or Storage Yard means an uncovered area where any heavy equipment, such as mowing equipment, excavators, dump trucks, backhoes, or bulldozers are washed or maintained, or where at least five pieces of heavy equipment are stored on a long-term basis.

Highway means a main public road connecting towns and cities.

Hydraulically Near means runoff from the site discharges to the sensitive feature without significant natural attenuation of flows that allows for suspended solids removal. See Appendix 7 Determining Construction Site Sediment Damage Potential for a more detailed definition.

Hyperchlorinated means water that contains more than 10 mg/Liter chlorine.

Illicit Connection means any infrastructure connection to the MS4 that is not intended, permitted or used for collecting and conveying stormwater or non-stormwater discharges allowed as specified in this Permit (S5.C.5 and S6.D.3). Examples include sanitary sewer connections, floor drains, channels, pipelines, conduits, inlets, or outlets that are connected directly to the MS4.

Illicit discharge means any discharge to a MS4 that is not composed entirely of stormwater or of non-stormwater discharges allowed as specified in this Permit (S5.C.5 and S6.D.3).

Impervious Surface means a non-vegetated surface area that either prevents or retards the entry of water into the soil mantle as under natural conditions prior to development. A nonvegetated surface area which causes water to run off the surface in greater quantities or at an increased rate of flow from the flow present under natural conditions prior to development. Common impervious surfaces include, but are not limited to,

roof tops, walkways, patios, driveways, parking lots or stormwater areas, concrete or asphalt paving, gravel roads, packed earthen materials, and oiled, macadam or other surfaces which similarly impede the natural infiltration of stormwater.

Land Disturbing Activity means any activity that results in a change in the existing soil cover (both vegetative and non-vegetative) and/or the existing soil topography. Land disturbing activities include, but are not limited to clearing, grading, filling and excavation. Compaction that is associated with stabilization of structures and road construction shall also be considered land disturbing activity. Vegetation maintenance practices, including landscape maintenance and gardening, are not considered land disturbing activity. Stormwater facility maintenance is not considered land disturbing activity if conducted according to established standards and procedures.

LID means Low Impact Development.

LID BMP means low Impact Development Best Management Practices.

LID Principles means land use management strategies that emphasize conservation, use of onsite natural features, and site planning to minimize impervious surfaces, native vegetation loss, and stormwater runoff.

Low Impact Development (LID) means a stormwater and land use management strategy that strives to mimic pre-disturbance hydrologic processes of infiltration, filtration, storage, evaporation and transpiration by emphasizing conservation, use of on-site natural features, site planning, and distributed stormwater management practices that are integrated into a project design.

Low Impact Development Best Management Practices (LID BMP) means distributed stormwater management practices, integrated into a project design, that emphasize pre-disturbance hydrologic processes of infiltration, filtration, storage, evaporation and transpiration. LID BMPs include, but are not limited to, bioretention, rain gardens, permeable pavements, roof downspout controls, dispersion, soil quality and depth, vegetated roofs, minimum excavation foundations, and water re-use.

Material Storage Facilities means an uncovered area where bulk materials (liquid, solid, granular, etc.) are stored in piles, barrels, tanks, bins, crates, or other means.

Maximum Extent Practicable refers to paragraph 402(p)(3)(B)(iii) of the federal Clean Water Act which reads as follows: Permits for discharges from municipal storm sewers shall require controls to reduce the discharge of pollutants to the maximum extent practicable, including management practices, control techniques, and system, design, and engineering methods, and other such provisions as the Administrator or the State determines appropriate for the control of such pollutants.

MEP means Maximum Extent Practicable.

MS4 means Municipal Separate Storm Sewer System.

Municipal Separate Storm Sewer System means a conveyance, or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains): (i) owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under Section 208 of the CWA that discharges to waters of Washington State; (ii) designed or used for collecting or conveying stormwater; (iii) which is not a combined sewer; (iv) which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.; and (v) which is defined as "large" or "medium" or "small" or otherwise designated by Ecology pursuant to 40 CFR 122.26.

National Pollutant Discharge Elimination System means the national program for issuing, modifying, revoking, and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318, and 405 of the Federal Clean Water Act, for the discharge of pollutants to surface waters of the State from point sources. These permits are referred to as NPDES permits and, in Washington State, are administered by the Washington State Department of Ecology.

Native Vegetation means vegetation comprised of plant species, other than noxious weeds, that are indigenous to the coastal region of the Pacific Northwest and which reasonably could have been expected to naturally occur on the site. Examples include trees such as Douglas Fir, western hemlock, western red cedar, alder, big-leaf maple; shrubs such as willow, elderberry, salmonberry, and salal; and herbaceous plants such as sword fern, foam flower, and fireweed.

New Development means land disturbing activities, including Class IV General Forest Practices that are conversions from timber land to other uses; structural development, including construction or installation of a building or other structure; creation of hard surfaces; and subdivision, short subdivision and binding site plans, as defined and applied in Chapter 58.17 RCW. Projects meeting the definition of redevelopment shall not be considered new development. Refer to Appendix 1 for a definition of hard surfaces.

New Permittee means a city, town, or county that is subject to the *Western Washington Municipal Stormwater General Permit* and was not subject to the permit prior to July 1, 2019.

New Secondary Permittee means a Secondary Permittee that is covered under a municipal stormwater general permit and was not covered by the permit prior to July 1, 2019.

NOI means Notice of Intent.

Notice of Intent (NOI) means the application for, or a request for coverage under a General Permit pursuant to WAC 173-226-200.

Notice of Intent for Construction Activity means the application form for coverage under the *Construction Stormwater General Permit*.

Notice of Intent for Industrial Activity means the application form for coverage under the *Industrial Stormwater General Permit*

NPDES means National Pollutant Discharge Elimination System.

Outfall means a point source as defined by 40 CFR 122.2 at the point where a discharge leaves the Permittee's MS4 and enters a surface receiving water body or surface receiving waters. Outfall does not include pipes, tunnels, or other conveyances which connect segments of the same stream or other surface waters and are used to convey primarily surface waters (i.e., culverts).

Overburdened Community means minority, low-income, tribal, or indigenous populations or geographic locations in Washington State that potentially experience disproportionate environmental harms and risks. This disproportionality can be as a result of greater vulnerability to environmental hazards, lack of opportunity for public participation, or other factors. Increased vulnerability may be attributable to an accumulation of negative or lack of positive environmental, health, economic, or social conditions within these populations or places. The term describes situations where multiple factors, including both environmental and socio-economic stressors, may act cumulatively to affect health and the environment and contribute to persistent environmental health disparities.

Permittee unless otherwise noted, the term "Permittee" includes city, town, or county Permittee, Co-Permittee, New Permittee, Secondary Permittee, and New Secondary Permittee.

Physically Interconnected means that one MS4 is connected to another storm sewer system in such a way that it allows for direct discharges to the second system. For example, the roads with drainage systems and

municipal streets of one entity are physically connected directly to a storm sewer system belonging to another entity.

Project site means that portion of a property, properties, or rights-of-way subject to land disturbing activities, new hard surfaces, or replaced hard surfaces. Refer to Appendix 1 for a definition of hard surfaces.

QAPP means Quality Assurance Project Plan.

Qualified Personnel means someone who has had professional training in the aspects of stormwater management for which they are responsible and are under the functional control of the Permittee. Qualified Personnel may be staff members, contractors, or volunteers.

Quality Assurance Project Plan means a document that describes the objectives of an environmental study and the procedures to be followed to achieve those objectives.

RCW means the Revised Code of Washington State.

Receiving Waterbody or Receiving Waters means naturally and/or reconstructed naturally occurring surface water bodies, such as creeks, streams, rivers, lakes, wetlands, estuaries, and marine waters, or groundwater, to which a MS4 discharges.

Redevelopment means, on a site that is already substantially developed (i.e., has 35% or more of existing hard surface coverage), the creation or addition of hard surfaces; the expansion of a building footprint or addition or replacement of a structure; structural development including construction, installation or expansion of a building or other structure; replacement of hard surface that is not part of a routine maintenance activity; and land disturbing activities. Refer to Appendix 1 for a definition of hard surfaces.

Regulated Small Municipal Separate Storm Sewer System means a Municipal Separate Storm Sewer System which is automatically designated for inclusion in the Phase II stormwater permitting program by its location within an Urbanized Area, or by designation by Ecology and is not eligible for a waiver or exemption under S1.C.

Runoff is water that travels across the land surface and discharges to water bodies either directly or through a collection and conveyance system. See also "Stormwater."

SAM means Stormwater Action Monitoring.

Secondary Permittee is an operator of a regulated small MS4 which is not a city, town or county. Secondary Permittees include special purpose districts and other public entities that meet the criteria in S1.B.

Sediment/Erosion-Sensitive Feature means an area subject to significant degradation due to the effect of construction runoff, or areas requiring special protection to prevent erosion. See Appendix 7 Determining Construction Site Sediment Damage Potential for a more detailed definition.

Shared Water Bodies means water bodies, including downstream segments, lakes and estuaries that receive discharges from more than one Permittee.

Significant Contributor means a discharge that contributes a loading of pollutants considered to be sufficient to cause or exacerbate the deterioration of receiving water quality or instream habitat conditions.

Small Municipal Separate Storm Sewer System means an MS4 that is not defined as "large" or "medium" pursuant to 40 CFR 122.26(b)(4) & (7) or designated under 40 CFR 122.26 (a)(1)(v).

Source Control BMP means a structure or operation that is intended to prevent pollutants from coming into contact with stormwater through physical separation of areas or careful management of activities that are sources of pollutants. The SWMMWW separates source control BMPs into two types. Structural Source Control BMPs are physical, structural, or mechanical devices, or facilities that are intended to prevent pollutants from entering stormwater. Operational BMPs are non-structural practices that prevent or reduce pollutants from entering stormwater.

Stormwater means runoff during and following precipitation and snowmelt events, including surface runoff, drainage or interflow.

Stormwater Action Monitoring (SAM) is the regional stormwater monitoring program for Western Washington. This means, for all of Western Washington, a stormwater-focused monitoring and assessment program consisting of these components: status and trends monitoring in small streams and marine nearshore areas, stormwater management program effectiveness studies, and source identification projects. The priorities and scope for SAM are set by a formal stakeholder group that selects the studies and oversees the program's administration.

Stormwater Associated with Industrial and Construction Activity means the discharge from any conveyance which is used for collecting and conveying stormwater, which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant, or associated with clearing, grading and/or excavation, and is required to have an NPDES permit in accordance with 40 CFR 122.26.

Stormwater Facility Retrofits means both: projects that retrofit existing treatment and/or flow control facilities; and new flow control or treatment facilities or BMPs that will address impacts from existing development.

Stormwater Management Program (SWMP) means a set of actions and activities designed to reduce the discharge of pollutants from the MS4 to the MEP and to protect water quality, and comprising the components listed in S5 (for cities, towns, and counties) or S6 (for Secondary Permittees) of this Permit and any additional actions necessary to meet the requirements of applicable TMDLs pursuant to S7 – *Compliance with TMDL Requirements*, and S8 – *Monitoring and Assessment*.

Stormwater Treatment and Flow Control BMPs/Facilities means detention facilities, permanent treatment BMPs/facilities; and bioretention, vegetated roofs, and permeable pavements that help meet Appendix 1 Minimum Requirements #6 (treatment), #7 (flow control), or both.

Surface Waters includes lakes, rivers, ponds, streams, inland waters, salt water, and all other surface waters and water courses within the jurisdiction of the State of Washington.

SWMMWW or Stormwater Management Manual for Western Washington means *Stormwater Management Manual for Western Washington (2019)*.

SWMP means Stormwater Management Program.

TMDL means Total Maximum Daily Load.

Total Maximum Daily Load (TMDL) means a water cleanup plan. A TMDL is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and nonpoint sources. The calculation must include a margin of safety to ensure that the water body can be used for the purposes the state has designated. The calculation must also account for reasonable variation in water quality. Water quality standards are set by states, territories, and tribes. They identify the uses for each water body, for example, drinking water supply, contact recreation (swimming), and aquatic life support (fishing), and the scientific criteria to support that use. The Clean Water Act, Section 303, establishes the water quality standards and TMDL programs.

Tributary Conveyance means pipes, ditches, catch basins, and inlets owned or operated by the Permittee and designed or used for collecting and conveying stormwater.

UGA means Urban Growth Area.

Urban Growth Area (UGA) means those areas designated by a county pursuant to RCW 36.70A.110.

Urbanized Area is a federally-designated land area comprising one or more places and the adjacent densely settled surrounding area that together have a residential population of at least 50,000 and an overall

population density of at least 1,000 people per square mile. Urbanized Areas are designated by the U.S. Census Bureau based on the most recent decennial census.

Vehicle Maintenance or Storage Facility means an uncovered area where any vehicles are regularly washed or maintained, or where at least 10 vehicles are stored.

Water Quality Standards means Surface Water Quality Standards, Chapter 173-201A WAC, Groundwater Quality Standards, Chapter 173-200 WAC, and Sediment Management Standards, Chapter 173-204 WAC.

Waters of the State includes those waters as defined as "waters of the United States" in 40 CFR Subpart 122.2 within the geographic boundaries of Washington State and "waters of the State" as defined in Chapter 90.48 RCW which includes lakes, rivers, ponds, streams, inland waters, underground waters, salt waters and all other surface waters and water courses within the jurisdiction of the State of Washington.

Waters of the United States refers to the definition in 40 CFR 122.2.

Appendix B:

2019-2024 Western Washington Phase II Municipal Stormwater Permit
Implementation Schedule

Western Washington Phase II Municipal Stormwater Permit Overview – 2019 to 2024

The timeline below provides an overview of major program deadlines for implementing permit requirements of S5 *Stormwater Management Program* (SWMP) and S8 *Monitoring and Assessment* for Continuing City, Town, and County Permittees (**By Date** means “no later than…”). This is guidance only. Table does not include all ongoing program elements. Please see the permit for additional detail and related requirements.

S5 Permit Components	Ongoing Program Implementation	2019	2020	2021	2022	2023	2024
A. Stormwater Management Plan	Annually update & submit the SWMP with Annual Report (S9) <ul style="list-style-type: none"> - A.3.a. \$ tracking: track the cost (or estimate) of development and implementation of each component of the SWMP - A.3.b. activity tracking: track # of inspections, follow up actions, official enforcement, public ed activities 						
A.5. Coordination	Ongoing coordination			By March 31: Submit description of internal coordination mechanisms			
C.1 Stormwater Planning		Annually assess and report LID code-related requirements.	By Aug. 1: Convene interdisciplinary team to lead SW Planning program.	By March 31: Respond to series of Annual Report (AR) questions describing SW Planning during 13-19 permit	By March 31: Submit watershed inventory. By June 30: Document the prioritized and ranked list of receiving water basins.	By Jan. 1: Submit report of responses to SW Planning AR questions for coordination of long range plans during this permit term By March 31: Develop Stormwater Management Action Plan (SMAP) for at least 1 high priority area.	
C2. Public Education and Outreach	Ongoing implementation of ed & outreach		By July 1: Conduct new evaluation of	By Feb 1: Follow community-based social marketing			By March 31: Evaluate & report on

S5 Permit Components	Ongoing Program Implementation	2019	2020	2021	2022	2023	2024
	program elements		effectiveness of current behavior change campaign	practices, or similar, to develop or modify behavior change campaign tailored to the community By Apr 1: Implement Strategy developed in S5.C.2.a.ii.(c)			implemented strategy
C.3 Public Involvement and Participation	Ongoing -Create opportunities for public, including overburdened communities, to participate in SWMP and SMAP - Post to website SWMP and Annual Report by May 31 each year						
C.4 MS4 Mapping and Documentation	Ongoing Maintain mapping data		By Jan 1: Begin to collect size and material for all known MS4 outfalls	By Aug 1: mapping data in electronic format with fully described mapping standards		By Aug 1: Complete mapping all known MS4 connections to privately-owned stormwater systems	
C.5 Illicit Discharge Detection and Elimination	Ongoing - Implement program to prohibit, address, and eliminate illicit discharges. - Train staff	By Aug 1: Begin tracking total % of MS4 screened	By Mar 31: MAY Begin using WQwebIDDE form for annual reporting - If using own tracking: submit as much of the info as possible in	By Mar 31: Required to use WQwebIDDE form for annual reporting - If using own tracking: submit .xml file that follows the schema, but may submit	By Mar 31: If using own tracking system for recordkeeping, submit a .xml that follows the data schema		

S5 Permit Components	Ongoing Program Implementation	2019	2020	2021	2022	2023	2024
			format requested (or similar)	alternative formats (i.e. .xls,.csv, .txt)			
C.6 Controlling Runoff	-Implement & enforce program to reduce pollutants in runoff. -Train staff.				By June 30: Adopt and make effective program that meets requirements of App. 1 or equivalent PHI program.(See permit for other dates)		
C.7 Operations and Maintenance	-Inspect & maintain stormwater facilities and catch basins controlled by & regulated by the Permittee. - Implement practices, policies, and procedures to reduce SW impacts from all permittee lands. -Train staff.				By June 30: Update maintenance standards By Dec 31: Document practices, policies, and procedures to reduce SW impacts from all permittee lands. By Dec 31: Update SWPPPs for heavy equipment maintenance or storage yards/facilities.		
C.8 Source Control					By Aug 1: -Adopt & make effective ordinances requiring source control BMPs. -Establish inventory of properties with	By Jan 1: -Implement inspection program -Implement progressive	

S5 Permit Components	Ongoing Program Implementation	2019	2020	2021	2022	2023	2024
					potential to generate pollutants to Permittee's MS4	enforcement policy - Train staff	

S8 Monitoring and Assessment

S8 Permit Components	2019	2020	2021	2022	2023	2024
S8.A Regional status and trends monitoring	By Dec 1: submit payment to collective fund if payed into during 2013 permit. - Submit written notification of option selected	By Aug. 15: If option chosen, make annual payments to collective fund				
S8.B SWMP Effectiveness and Source ID	By Dec 1: submit payment to collective fund if payed into during 2013 permit. -Submit written notification of option selected	By Aug. 15: If option chosen, make annual payments to collective fund				
S8.C Stormwater discharge monitoring		By Feb 1: If option chosen, submit draft QAPP for review and approval By Aug 15: submit final QAPP for approval within 60days of receiving approval of draft By Oct 1: Begin flow monitoring	By Oct 1: Fully implement discharge monitoring	By Mar 31: Annual report data and analysis in accordance with QAPP. Enter water & solids concentrations data into EIM		

Other significant elements of the permit

S1 Application for coverage	Co-Permittees can end or amend agreements at any time.
S4.F Response to violations of Water Quality Standards	Notification and possible adaptive management may occur at any time.
S7 Compliance with Total Maximum Daily Load (TMDL) Requirements	Comply with applicable TMDL requirements listed in Appendix 2 per individual timelines.
S9 Reporting	Keep all records related to the permit for at least five years. Beginning March 31, 2020, annually submit a report for the previous calendar year using WQwebPortal.

G3 Notification of Discharge Including Spills: Report discharge into or from the MS4 which could constitute a threat to human health, welfare or the environment	Discharge to water: Call Emergency Management Division (EMD) 1-800-645-7911 or 1-800-258-5990 Discharge to/from MS4: Report to Ecology within 24 hours (do not need to report if EMD has been called).
G.18 Duty to Reapply	Apply for permit renewal no later than Feb. 2, 2024 (180 days before permit expiration).
G20 Non-compliance Notification	Notify Ecology within 30 days of becoming aware of permit non-compliance.

Appendix C:

Mount Vernon Storm Sewer System Map

MATERIAL	SHAPE_1	DIAMETER__	Note	ID_MV
				1
				2
				3
				4
		18		5
				6
HDPE	Circular	8	Outfall is draining plant nursery	7
PVC	Circular	1	none	8
Earthen	Incised tributar	0	Origin of outfall is yard/ditch behind housing development	9
PVC/CMP	Circular - Doubl	1	There are two perched outfalls on either side of the creek, origin is stormwater	10
PVC	Circular	0	Origin of outfall is presumed to be from yard drainage. There is are outfalls on both sides of stream.	11
Earthen	Ditch	0	Origin is pond and stormwater from Waugh Rd	12
Earthen	Parabolic	0	Origin is pond fed by small drainage ditch.	13
HDPE	Circular	4	Source is mowed lawn yard	14
CMP	Various	0	2 RCP and 1 arch SMP feed Trumpeter Creek near large culvert at Fir St at south end of Bakerview Park	15
cmp	Circular	12	Origin is from yard upstream	16
PVC	Circular	4	Origin is from lawn yard	17
PVC	Circular	2	There are three pipes together with one other nearby, all the same type, origin is from lawn yard.	18
HDPE	Circular	4	Origin is yard drainage.	19
HDPE	Circular	2	Stormwater from Martin Rd., next to culvert	20
Rip rap	Trapezoid	0	none	21
Rip rap	Trapezoid	0	Origin is stormwater from College Way	22
PVC	Circular	1	Origin is stormwater from College Way	23
Earthen	Trapezoid	0	It is a ditch from trailerpark	24
HDPE	Circular	12	Origin is stormwater pond	25
Earthen	Trapezoid	0	Draining field behind JJ Place off of College Way	26
concrete	Circular	12	none	27
HDPE	Circular	4	Drainage from roof of nearby house	28
CMP/Earthen	Circular/Trapezo	3	Outfall is a branch of the creek that splits off upstream and flows through the trailer park	29
HDPE	Circular	4	Drainage pipe from yard.	30
RCP	Circular	2	Origin is probably from roadway storm drain	31
PVC	Circular	8	Origin is roof gutter. There are two more similar outfalls upstream 3 feet.	32
RCP	Circular	2	Origin is possibly from storm drain	33
HDPE	Circular - doubl	0	Outfall is yard drainage pipe	34
Rip rap	Trapezoid	0	Origin is stormwater pond	35
PVC	Circular	12	Origin is stormwater detention pond	36
HDPE	Circular	8	Origin is from nearby yard	37
Steel	Circular	2	Origin are two retention ponds	38
Earthen	Parabolic	0	Originates from ditch behind houses	39
CMP	Circular	1	located n branch closest to housing development	40
CMP	Circular	1	There are two 4" PVC pipes approximately 40' downstream	41
CMP	Circular	1	Originates from storwater detention pond	42
HDPE	Circular	4	Originates from residential yard drainage	43
HDPE	Circular	1	Pipe drains nearby yard	44
HDPE	Circular	6	Pipe drains yard to the west	45
Earthen	Parabolic	0	Outfall is a slope wetland/ephemeral tributary	46
HDPE	Circular - Doubl	8	Origin is either detention pond/ next to culvert	47
HDPE	Circular	3	Appears to drain from direction of parking lot	48
HDPE	Circular	4	Origin is drainage from road	49
Earthen	Trapezoid	0	Outfall is a drainage ditch upslope and slope failure.	50
PVC	Circular	4	Outfall is roadside ditch, which includes two other 4" pipes.	51
CMP	Circular	12	none	52
PVC	Circular	6	Outfall originates from yard. There are two other identical outfalls upstream 30'.	53
PVC	Circular	6	Drains nearby yard	54
HDPE	Circular	4	Drains nearby yard	55
Rip rap	Parabolic	0	Outfall is ephemeral drainage ditch, channel into culvert	56
PVC	Circular	1	Pipe drains yard	57
RCP	Circular	24	headwater from stream	58
HDPE	Circular	1	Stormwater from Section St.	59
Earthen	Parabolic	0	Origin is probably roadway stormwater	60
HDPE	Circular	0	Origin is stormwater from Maddox Cr. Road	61
HDPE	Circular	0	Uncertain origin - possibly nearby development	62
HDPE	Circular	2	Originates in Bonnie Rae Park	63
HDPE	Circular	0	none	64
HDPE	Circular	1	Outfall drains adjacent field	65
RCP	Circular	1	Origin is unknown	66
PVC	Circular	1	None	67
CMP	Circular	18	Culvert under road	68
PVC	Circular	0	Outfall is a roof drain. There is a second 50' downstream and a 3rd 75' downstream.	69

HDPE	Circular	4 Source is yard runoff - Could not locate 2012 B&C	70
RCP	Circular	1 Drains along 19th St	71
HDPE	Circular	4 Located 2012 by B&C. Plugged, non-functional	72
PVC	Circular	1 Source is stormwater from commercial building parking lot	73
		0 From CB in road - 2012 B&C	74
DNS	Circular	1 Outfall located by ""Gentlemen Gene's"" Stormwater drain on road 55' up.	75
CMP	Gated Arch	3 Standing water. Connects to Kulshan Creek by an open drainage	76
RCP	Circular	0 none	77
HDPE	Circular	8 Appears to originate from adjacent open space	78
PVC	Circular	1 Stormwater outfall fed by road runoff	79
Steel	Circular	1 none	80
PVC	Circular	8 Source is potentially from the parking lot of a commercial building upstream from Gentlemen Gene's	81
PVC	Circular	4 Stormwater from church parking lot is source.	82
CMP	Circular	36 Partially submerged. Source of water is road runoff/stormwater	83
PVC	Circular	4 Stormwater runoff from parking lot. Pipe appears plugged. Overland channel developing	84
PVC	Circular	8 No longer in use. Was pipe from parking lot. Now pervious pavement system.	85
HDPE	Circular	8 Stormwater swale for parking lot runoff	86
Ductile Iron		14	87
		24 Submerged	88
		36 Submerged	89
RCP		30 Pipe was not accessible due to vegetation, site also may need some repairs	90
RCP		48 Upstream location of stream was not identified, outfall may be headwater of stream	91
HDPE		24 Drains from detention pond to the North	92
CMP		10 Need to verify where smaller pipe comes from	93
		36 Outfall directly into large Lindegren Creek culvert. Some flow present, clear and odorless. Many branch	94
CMP		36 Site visit could not verify outfall because it was submerged	95
CMP		24 Not sure if this is long cross culvert or an outfall. Need to verify in plans NOT AN OUTFALL	96
HDPE		24 Drainage from detention pond, likely associated with Hagen store	97
HDPE		30 Culvert covered by blackberries, Lamprey noticed in stream	98
CMP		60 Possible signs of previous diesel spill	99
HPDE		30 Pond is overgrown with alga	100
CONC		18 Drainage from residential area	101
CMP		36 Drainage from N Laventure Road	102
PVC		8	103
LCPE		8	104
LCPE		8	105
HDPE	Circular	24 Found 2012 B&C 2012_01	106
HDPE	Circular	18 Found 2012 B&C 2012_02	107
PVC	Circular	8 2012_03 B&C. CB Partially plugged.	108
		0	109
Unknown	Circular	12 2012_04 B&C	110
Unknown	Circular	12 2012_05a B&C	111
Unknown	Circular	24 2012_05b B&C	112
Unknown	Circular	36 2012_06 B&C	113
Conc	Circular	18 2012_07 B&C	114
	Circular	12 2012_08 B&C	115
Conc	Circular	2012_09 B&C 24"" Not an Outfall	116
Earthen	Trapezoid	0 2012_10 B&C Ditch from N 18th to 15th on S side of Kulshan Trail	117
	Circular	12	118
HDPE	Circular	24 2012_12 B&C	119
HDPE		4 yard drainage	120
HDPE		4 yard drainage	121
HDPE		4 Two Pipes	122
HDPE		4	123
		6 Yard Drainage	124
HDPE		4	125
			126
		Conglomerate of 2 pipes, one 6" HDPE, 1 4" PVC, Yard drainage	127
HDPE		4 Yard Drainage	128
HDPE		4	129
cmp		24 drains catch basin in street	130
HDPE		4 yard drainage	131
HDPE		4 yard drainage	132
HDPE		12 Yard Drainage	133
HDPE		4	134
			135
		conglomerate of 3 pipes, two 8" pvc and one 2" pvc	136
HDPE		12	137
			138
metal		8 8" metal pipe, yard drainage?	139

		12 draining a ditch into the culvert under fir street	140
PVC		6 yard drainage	141
			142
HDPE		4 Yard Drainage	143
HDPE		4 yard drainage	144
		12 Trash Rack to Quarry Spalls	145
	Round	18	146
			147
			148
			149
			150
			151
			152
HDPE		12	153
HDPE		12	154
CPEP		12	155
		8	165
		18	166
		0	178
		12	179
HDPE		12	156
HDPE		12	157
HDPE		12	158
HDPE		12	159
HDPE		12	160
HDPE		12	161
HDPE		12	162
HDPE		12 Clogged with sediment at time of survey	163
HDPE		12	164
HDPE		12 Possibly in Carpenter Creek basin	167
Unknown		Unable to locate	168
HDPE		12 Possibly in Carpenter Creek basin	169
HDPE		12 Very close to private property	170
Unknown		Unable to locate. Saw another pipe coming from golf course, but none from the street	171
HDPE		18	172
CMP		18 Culvert under golf cart path	173
Iron		10 No flow present	174
PVC		18 Some stagnant water	175
PVC		10 No flow present	176
PVC		12 No Flow present	177
CMP	Circular	12 Outfall is from stormwater pond	180
CMP	Circular	30 Last point where multiple MS4 drain lines meet with the natural stream	181
PVC	Circular	8 Outfall from CB in road	182
PVC	Circular	8 Outfall from CB in road	183
PVC	Circular	8 Outfall from CB in road	184
CPDP	Circular	6 Outfall is perf pipe draining the uphill swale	185
CPDP	Circular	6 Outfall is perf pipe draining the uphill swale	186
HDPE	Circular	6 Yard drainage from nearby house	187
HDPE	Circular	6 Yard drainage from nearby house	188
CMP	Circular	24 Road runoff from mobile home park	189
CMP	Arch	55 Culvert likely contains point where N 30th St runoff outfalls	190
HDPEs	Circular	36 Pipe appears to be buried	191

Social Marketing Strategy

The Pet Waste Management Social Marketing Action Plan ("Poop Fairy" campaign) was completed and implementation underway. With consensus from the Skagit partners, option **S5.C.2.a.ii(c) 3 Public Education and Outreach** was selected with the goal of reducing fecal coliform bacteria levels in priority urban waterways by initiating a more focused pet waste management campaign.

- **Primary target audience for the pet waste campaign:** Dog walkers at public places, such as parks, trails, apartment complexes, and neighborhoods.
- **Positioning Statement:** We want all dog walkers at parks/trails and neighborhoods to pick up dog waste and dispose of it properly to keep our parks, trails, neighborhoods, and waterways clean and healthy.

Staff time also included the following:

- Compiled map of priority dog walking parks/trails identified by our local parks and recreation departments and the Port of Skagit County.
- Volunteers continued field investigations through February 2021.
- A "Scoop the Poop" Pledge program to ask dog owners to commit to picking up after their pets was established and set up on the SCD website for online pledges and a hard copy also designed to promote at local events. Complimentary poo bag dispensers were provided to individuals taking the pledge. **131 pledges received to date.**
- To promote the pledge program, a "We Scoop Cute Doggy Photo Contest" was hosted as a Skagit Water Weeks event during the month of May with **110 photo entries received.** Two winning entries were selected from each partnering jurisdiction. The contest was well received!
- The pet poop campaign was promoted in the community via news articles in the SCD news, press releases, posting on websites and social media, and by direct email.
- Staff is currently exploring costs and feasibility of establishing a Mutt Mitt program. Pet Waste Stations set up in key areas would make it convenient and encourage dog walkers to pick up after their pets when they are in public places, such as neighborhoods, parks and trails. This task includes networking with local HOA's, apartment complexes, etc., to see if there is interest and volunteer commitment to maintain the stations, which has been initiated.
- Conducted a review of our local municipalities Pet Waste codes.

City of Mount Vernon Stormwater Stewardship Opportunities

In partnering with the Skagit County Conservation District, Mount Vernon has provided the following stewardship opportunities:

- A “Managing Stormwater Facilities Maintenance” workshop (virtual for 2021)
- Stream Team volunteering opportunities (64 volunteers and 1268 hours reported)
- Watershed Masters Volunteer Training program (training portion not held due to COVID [anticipated to resume in fall 2022], although 2,132 hours of volunteer time was reported in 2021)
- Backyard Conservation Stewardship Program (usually done annually, but not held in 2021 due to COVID pandemic)
- “Poop Fairy” Pet Waste Management Program (volunteers conducted field investigations, received 131 pledges to “Scoop the Poop”)
- Green Stormwater Infrastructure Summit (200 attendees virtually)

Please see Skagit County Conservation District’s full 2021 report for a complete list of stewardship opportunities.



Volunteers taking a water quality sample from Kulshan Creek



Left: Watershed Masters and Backyard Conservation volunteers helping construct a green infrastructure project
Right: Stream Team volunteers taking a water quality sample

Washington Department of Ecology

Electronic Submission Cover Letter



WQWebSubmittal - Submittal Submission Id: 1803509 - 3/30/2022 4:24:41 PM

Company Name	Signer Name	System Name
City of Mount Vernon	Blaine Chesterfield	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for City of Mount Vernon	Copy of Record CityofMountVernon Wednesday March 30 2022
WAR045553_21_03292022104721	2021 Annual E & O report_21_03292022104721
WAR045553_42_03162022162244	2021 IDDEs for WAR045553_42_03162022162244
WAR045553_17a_03292022104619	MountVernon_WaterbodyAssessmen_17a_03292022104619
WAR045553_03282022025500	MountVernon_WaterbodyInventory_Final_03282022025500
WAR045553_2_03282022144842	MountVernon2022SWMP_2_03282022144842
WAR045553_30a_03172022155627	Outfall Report 2021_30a_03172022155627
WAR045553_23a_03292022104030	Social Marketing Strategy_23a_03292022104030
WAR045553_26a_03292022104044	Stewardship Opportunities_26a_26a_03292022104044

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



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