

September 30, 2019

Mr. Michael Montgomery
Executive Officer
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Re: San Mateo County Flood Control District FY 2018/19 Annual Report

Dear Mr. Montgomery:

This letter and Annual Report are submitted by the San Mateo County Flood Control District pursuant to Permit Provision C.17.a of the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2015-0049, NPDES Permit No CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board. The Annual Report provides documentation of compliance activities conducted during FY 2018/19 and related accomplishments.

Please contact Julie Casagrande at (650) 599-1457 or Mark Chow at (650) 599-1489 regarding any questions or concerns.

Very truly yours,



James C. Porter
Duly Authorized Representative
Director of Public Works
RCE No. 48056

JCP:AMS:MC:KL:JC

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Enclosures: Certification Statement, San Mateo County Flood Control District FY 2018/19 Annual Report

cc: Ann M. Stillman, P.E., Deputy Director, Engineering and Resource Protection
Mark Chow, P.E., Principal Civil Engineer, Utilities-Flood Control-Watershed Protection
Julie Casagrande, Resource Conservation Specialist, Utilities-Flood Control-Watershed Protection

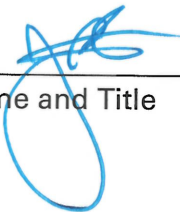



**SAN MATEO COUNTY FLOOD CONTROL DISTRICT
FY 2018/19 ANNUAL REPORT**

Certification Statement

"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 ensure 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 the 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."

Signature of Duly Authorized Representative:

	
_____ Name and Title	_____ Date

FY 2018-2019 Annual Report

Permittee Name: San Mateo County Flood Control District

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Section 1 – Permittee Information

Background Information			
Permittee Name:	San Mateo County Flood Control District		
Population:	Non-population based Permittee		
NPDES Permit No.:	CAS612008		
Order Number:	R2-2015-0049		
Reporting Time Period (month/year):	July 2018 through June 2019		
Name of the Responsible Authority:	James C. Porter	Title:	Director, Department of Public Works
Mailing Address:	555 County Center, 5 th Floor		
City:	Redwood City	Zip Code:	94063
		County:	San Mateo
Telephone Number:	(650) 363-4100	Fax Number:	(650) 361-8220
E-mail Address:	jporter@smcgov.org		
Name of the Designated Stormwater Management Program Contact (if different from above):	Julie Casagrande	Title:	Resource Conservation Specialist
Department:	Public Works		
Mailing Address:	555 County Center, 5 th Floor		
City:	Redwood City	Zip Code:	94063
		County:	San Mateo
Telephone Number:	(650) 599-1457	Fax Number:	(650) 361-8220
E-mail Address:	jcasagrande@smcgov.org		

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation
Highlight/summarize activities for reporting year:

Summary:
During FY 18-19, the San Mateo County Flood Control District (SMCFCD) and County of San Mateo Department of Public Works (DPW) staff continued participating in the San Mateo Countywide Water Pollution Prevention Program (SMCWPPP) Municipal Maintenance and Trash Control committees. SMCFCFCD continued implementation of the Colma Creek Maintenance Monitoring Program including four routine quarterly inspections, two unscheduled inspections after significant rain or high tide events, and coordination of 13 work days for the Sheriff’s Work Program. SMCFCFCD also coordinated five volunteer events involving litter and debris cleanups, removal of non-native vegetation, and native vegetation plantings within the lower reach of Colma Creek. SMCFCFCD staff continued routine monitoring and inspection of the San Bruno Creek Flood Control Zone pump stations for trash, odor, color, turbidity and the presence of floating carbons, as well as dissolved oxygen during the summer months, and no corrective actions were required. All SMCFCFCD maintenance activities (Colma Creek Channel Maintenance Project activities, Colma Creek mitigation site vegetation management and maintenance, San Bruno Creek Flood Control Zone routine maintenance activities, and San Francisquito Flood Control Zone annual creek walk and routine maintenance activities) were completed in accordance with the MRP and the County of San Mateo Watershed Protection Maintenance Standards (2004).

The County is currently working with the resource agencies to secure programmatic permits for routine maintenance activities. As part of the programmatic permitting process, a draft Routine Maintenance Program Manual (Maintenance Manual) has been developed and includes BMPs, maintenance standards, and conservation outcomes for municipal maintenance activities including routine maintenance at flood control facilities. Existing BMPs, maintenance standards, and conservation outcomes from the County of San Mateo Watershed Protection Maintenance Standards (2004) have been incorporated into the new Maintenance Manual. When adopted for implementation, the Maintenance Manual will supersede the existing Maintenance Standards document. A multi-agency meeting was held on April 19, 2017 to present the draft Routine Maintenance Program and Manual and solicit early feedback from agency staff. Revisions were made based on agency feedback, and a revised Maintenance Manual was submitted to the agencies in July 2018. Follow-up meetings with agency representatives were held throughout FY 18-19, and permit applications and a revised Maintenance Manual were submitted in April 2019. Final Maintenance Manual revisions, permit application response to comments/negotiations, and CEQA analysis are currently underway and anticipated to be completed in FY 19-20.

Please see the C.2 Municipal Operations section of the SMCWPPP FY 18-19 Annual Report for a description of activities implemented at the countywide and/or regional level.

C.2.a. ► Street and Road Repair and Maintenance

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
N/A	Control of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater from discharging to storm drains from work sites.
N/A	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

Comments:
 Maintenance of the access road along the Cupid Row Canal (West-Of-Bayshore property) flood control channel segment within the San Bruno Creek Flood Control Zone was performed during FY 18-19. Maintenance work along Cupid Row Canal only involved vegetation management, and there was no generation of wastewater or other pollutants such as concrete slurry or pavement cuttings. All maintenance activities were conducted in accordance with the MRP and BMPs outlined in the 2008 San Francisco Garter Snake Recovery Action Plan and subsequent associated environmental permits.

C.2.b. ► Sidewalk/Plaza Maintenance and Pavement Washing

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

N/A	Control of wash water from pavement washing, mobile cleaning, pressure wash operations at parking lots, garages, trash areas, gas station fueling areas, and sidewalk and plaza cleaning activities from polluting stormwater
N/A	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:
 The SMCFCFD did not perform or contract for any sidewalk, plaza, or pavement washing during FY 18-19.

Permittee Name: San Mateo County Flood Control District

C.2.c. ► Bridge and Structure Maintenance and Graffiti Removal

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
Y	Control of discharges from graffiti removal activities
Y	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
Y	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Y	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.

Comments:

The SMCFCFD performed channel maintenance activities and graffiti abatement (painting over graffiti) during FY 18-19 as part of the Colma Creek Channel Maintenance Project (project). Activities included graffiti abatement, fence and gate repair, trash cleanup, vegetation management, channel dredging (approx. 240 cubic yards) along one reach of channel, concrete repairs at four damaged drainage pipe outlets, one damaged channel bottom repair, and one spalling concrete wall repair. Prior to initiation of the project, 5-year maintenance permits were obtained from the appropriate regulatory agencies (Department of Fish and Wildlife Streambed Alteration Agreement, Water Board 401 WQ certification, Army Corps Permit, Section 7 consultation with the United States Fish and Wildlife Service, CEQA compliance). Work was performed by either the County contractor or by the Town of Colma or City of South San Francisco staff or contractors under Memorandum of Agreements (MOAs) with the SMCFCFD for maintenance activities. The permits required additional BMPs and protective measures which were implemented during maintenance activities. Prior to the start of work, copies of the permits and a summary of permit conditions and required BMPs were provided to the contractor and cities. At sites involving concrete work or in-channel work, preconstruction surveys, biological monitoring, and crew trainings were conducted by County biologists. A report detailing maintenance activities and BMPs was submitted to the agencies, including the Water Board, in February 2019.

C.2.e. ► Rural Public Works Construction and Maintenance	
Does your municipality own/maintain rural ¹ roads:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If your answer is No then skip to C.2.f.	
Place a Y in the boxes next to activities where applicable BMPs were implemented. If not applicable, type NA in the box and provide an explanation in the comments section below. Place an N in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.	
<input type="checkbox"/>	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
<input type="checkbox"/>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
<input type="checkbox"/>	No impact to creek functions including migratory fish passage during construction of roads and culverts
<input type="checkbox"/>	Inspection of rural roads for structural integrity and prevention of impact on water quality
<input type="checkbox"/>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion
<input type="checkbox"/>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
<input type="checkbox"/>	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings
Comments including listing increased maintenance in priority areas:	

¹Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

C.2.f. ► Corporation Yard BMP Implementation				
Place an X in the boxes below that apply to your corporations yard(s):				
<input checked="" type="checkbox"/>	We do not have a corporation yard			
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit			
<input type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)			
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:				
<input type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment			
<input type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system			
<input type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method			
<input type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used			
<input type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants			
Comments: The SMCFCFD does not have a Corporation Yard or dedicated maintenance staff and instead utilizes the DPW Road Services Division maintenance crew for routine maintenance activities. The DPW Road Services Division has several Corporation Yards. Routine inspections were conducted at these facilities and are reported in the County's FY 18-19 Annual Report. No violations were reported.				
If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:				
Corporation Yard Name	Corp Yard Activities w/ site-specific SWPPP BMPs	Inspection Date ²	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
N/A				

² Minimum inspection frequency is once a year during September.

Section 3 - Provision C.3 Reporting New Development and Redevelopment
 Section generally not applicable to San Mateo County Flood Control District

C.3.b.iv.(2) ► Regulated Projects Reporting	N/A
Fill in attached table C.3.b.iv.(2) or attach your own table including the same information. The SMCFCFD does not have land use or regulatory authority over the types of projects (i.e., private) that may qualify as Regulated Projects. The only projects that may fall into this category are future flood control capital projects. No flood control capital projects meeting the Regulated Project criteria were approved or implemented during this reporting period.	

C.3.e.iv. ► Alternative or In-Lieu Compliance with Provision C.3.c.	N/A			
Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?		Yes	<input checked="" type="checkbox"/>	No
Comments (optional): The SMCFCFD does not have land use or regulatory authority over the types of projects (i.e., private) that may qualify as Regulated Projects. The only projects that may fall into this category are future flood control capital projects. No flood control capital projects meeting the Regulated Project criteria were approved, planned, or implemented during this reporting period.				

C.3.e.v ► Special Projects Reporting	N/A			
1. In FY 2018-19, has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?		Yes	<input checked="" type="checkbox"/>	No
2. In FY 2018-19, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the C.3.b.iv.(2) Table, and the C.3.e.v. Table.		Yes	<input checked="" type="checkbox"/>	No
If you answered "Yes" to either question, <ol style="list-style-type: none"> 1) Complete Table C.3.e.v. 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project. The SMCFCFD does not have land use or regulatory authority over the types of projects (i.e., private) that may qualify as Special Projects.				

C.3.h.v.(2) ► Reporting Newly Installed Stormwater Treatment Systems and HM Controls (Optional)

N/A

On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting year) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.

There are currently no stormwater treatment measures or HM controls under the SMCFCD's jurisdiction.

C.3.h.v.(3)(a) –(c) and (f) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

N/A

Site Inspections Data	Number/Percentage
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the previous fiscal year (FY 17-18)	N/A
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the reporting period (FY 18-19)	N/A
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 18-19)	N/A
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 18-19)	N/A - 0% ¹

¹ Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year, per MRP Provision C.3.h.ii.(6)(b).

C.3.h.v.(3)(d)-(e) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting	N/A
Provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.	
Summary: There are currently no stormwater treatment systems under the SMCFCD’s jurisdiction; therefore, no inspections were performed.	
Provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).	
Summary: There are currently no stormwater treatment systems under the SMCFCD’s jurisdiction; therefore, no inspections were performed.	

C.3.i. ► Required Site Design Measures for Small Projects and Detached Single Family Home Projects	N/A
On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.	
Summary: The SMCFCD does not have land use or regulatory authority for these types of projects.	

C.3.j.i.(5).(b) ► Green Infrastructure Plan	N/A			
(For FY 2018-19 Annual Report only) Did your agency complete a Green Infrastructure Plan?	<input type="checkbox"/>	Yes, see attached Green Infrastructure Plan	<input type="checkbox"/>	No
If No, provide schedule for completion:				

C.3.j.i.(5).(c) ► Legal Mechanisms		N/A	
<i>(For FY 2018-19 Annual Report only)</i> Does your agency have legal mechanisms in place to ensure implementation of the Green Infrastructure Plan?		Yes, see attached documents or links provided below	No
<i>If Yes, describe the legal mechanisms in place and the documents attached or links provided.</i>			
<p>The jurisdiction of the SMCFCD is limited to the flood control channels that were constructed and maintained by the District. The SMCFCD does not have land use or regulatory authority over the types of projects in which green infrastructure would typically be installed (i.e., private projects, green street projects) and therefore, does not have a specific Green Infrastructure program. However, SMCFCD is committed to working collaboratively with the adjacent municipalities on green infrastructure planning.</p>			
If No, provide schedule for completion:			

C.3.j.i.(5)(d) ► Green Infrastructure Outreach
On an annual basis, provide a summary of your agency’s outreach and education efforts pertaining to Green Infrastructure planning and implementation.
<p>Summary:</p> <p>As described above, the SMCFCD does not have land use or regulatory authority over the types of projects in which green infrastructure would typically be installed, and therefore, does not have a specific Green Infrastructure program. The SMCFCD does however collaborate with adjacent municipalities and actively participates in the County’s Green Infrastructure program’s outreach activities. For example, during FY 18-19, SMCFCD and DPW staff have been collaborating on the multi-jurisdictional regional stormwater capture project at Orange Memorial Park (a collaborative effort between CalTrans, City of SSF, SMCWPPP, SMCFCD, Daly City, San Bruno, and Town of Colma) and the Resilient by Design South San Francisco project - http://www.resilientbayarea.org/resilient-south-city/. The Orange Memorial Park project is currently in design. Discussion of these projects were included on the Colma Creek Flood Control Zone Citizens Advisory Committee and TAC meeting agendas to ensure that appointed representatives and management were aware and involved in these green infrastructure planning efforts. County and SMCFCD staff regularly attended SMCWPPP Green Infrastructure Technical Advisory Committee meetings led by C/CAG. Please see the County’s FY 18-19 Annual Report for a summary of the County’s outreach and education efforts pertaining to Green Infrastructure planning and</p>

implementation. Please see the SMCWPPP FY 18-19 Annual Report for a summary of outreach efforts implemented at the countywide and/or regional level.

During FY 18-19, SMCFCFCD funded an updated hydrologic and hydraulic model for the Colma Creek watershed. Results will likely be used to assist with future green infrastructure planning in the Colma Creek watershed as well as Resilient by Design efforts.

C.3.j.ii.(2) ► Early Implementation of Green Infrastructure Projects

On an annual basis, submit a list of green infrastructure projects, public and private, that are already planned for implementation during the permit term and infrastructure projects planned for implementation during the permit term that have potential for green infrastructure measures. Include the following information:

- A summary of planning or implementation status for each public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. (see C.3.j.ii.(2) Table B - Planned Green Infrastructure Projects).
- A summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. For any public infrastructure project where implementation of green infrastructure measures is not practicable, submit a brief description of the project and the reasons green infrastructure measures were impracticable to implement (see C.3.j.ii.(2) Table A - Public Projects Reviewed for Green Infrastructure).

Background Information:

Describe how this provision is being implemented by your agency, including the process used by your agency to identify projects with potential for green infrastructure, if applicable.

In order to identify projects with potential for green infrastructure, the County continues to use the BASMAA "Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Program Projects" (May 6, 2016) for guidance on identifying and reviewing potential green infrastructure projects. County staff annually review the list of capital improvement projects included in the adopted 2-year budget and screen for the potential to incorporate green infrastructure. There were no SMCFCFCD projects on the FY 18-19 review list.

Summary of Planning or Implementation Status of Identified Projects:

There are currently no SMCFCFCD identified projects.

C.3.j.iii.(2) and (3) ► Participate in Processes to Promote Green Infrastructure

On an annual basis, report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.

FY 2018-2019 Annual Report

Permittee Name: San Mateo County Flood Control District

C.3 – New Development and Redevelopment

(For FY 2018-19 Annual Report only) Submit a plan and schedule for new and ongoing efforts to participate in processes to promote green infrastructure.

Please see the SMCWPPP FY 18-19 Annual Report for: 1) a summary of efforts conducted to help regional, State, and federal agencies plan, design and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects; and 2) a plan and schedule for new and ongoing efforts to participate in processes to promote green infrastructure.

C.3.j.iv.(2) and (3) ► Tracking and Reporting Progress

On an annual basis, report progress on development and implementation of methods to track and report implementation of green infrastructure measures and provide reasonable assurance that wasteload allocations for TMDLs are being met.

(For FY 2018-19 Annual Report only) Submit the tracking methods used and report implementation of green infrastructure measures including treated area, and connected and disconnected impervious area on both public and private parcels within their jurisdictions.

Please see the SMCWPPP FY 18-19 Annual Report for: 1) a summary of methods being developed to track and report implementation of green infrastructure measures; and 2) a report on green infrastructure measures implemented to date, including acres of impervious area (total and treated), countywide and by Permittee.

C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period

Project Name Project No.	Project Location ² , Street Address	Name of Developer	Project Phase No. ³	Project Type & Description ⁴	Project Watershed ⁵	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ⁶	Total Replaced Impervious Surface Area (ft ²) ⁷	Total Pre- Project Impervious Surface Area ⁸ (ft ²)	Total Post- Project Impervious Surface Area ⁹ (ft ²)
No SMCFCD Regulated Projects.											
Comments:											

²Include cross streets

³If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

⁴Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

⁵State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

⁶All impervious surfaces added to any area of the site that was previously existing pervious surface.

⁷All impervious surfaces added to any area of the site that was previously existing impervious surface.

⁸For redevelopment projects, state the pre-project impervious surface area.

⁹For redevelopment projects, state the post-project impervious surface area.

C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (private projects)

Project Name Project No.	Application Deemed Complete Date ¹⁰	Application Final Approval Date ¹¹	Source Control Measures ¹²	Site Design Measures ¹³	Treatment Systems Approved ¹⁴	Type of Operation & Maintenance Responsibility Mechanism ¹⁵	Hydraulic Sizing Criteria ¹⁶	Alternative Compliance Measures ^{17/18}	Alternative Certification ¹⁹	HM Controls ^{20/21}
No SMCFCD Regulated Projects.										

¹⁰For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

¹¹For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

¹²List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

¹³List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

¹⁴List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

¹⁵List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners’ association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

¹⁶See Provision C.3.d.i. “Numeric Sizing Criteria for Stormwater Treatment Systems” for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

¹⁷For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

¹⁸For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

¹⁹Note whether a third party was used to certify the project design complies with Provision C.3.d.

²⁰If HM control is not required, state why not.

²¹If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

Permittee Name: San Mateo County Flood Control District

C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (public projects)

Project Name	Approval Date ²²	Date Construction Scheduled to Begin	Source Control Measures ²³	Site Design Measures ²⁴	Treatment Systems Approved ²⁵	Operation & Maintenance Responsibility Mechanism ²⁶	Hydraulic Sizing Criteria ²⁷	Alternative Compliance Measures ^{28/29}	Alternative Certification ³⁰	HM Controls ^{31/32}
No SMCFCD Regulated Projects.										
Comments:										

²²For public projects, enter the plans and specifications approval date.

²³List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

²⁴List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

²⁵List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

²⁶List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc.) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

²⁷See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

²⁸For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

²⁹For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

³⁰Note whether a third party was used to certify the project design complies with Provision C.3.d.

³¹If HM control is not required, state why not.

³²If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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C.3.h.v.(2). ► Table of Newly Installed³³ Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)

Fill in table below or attach your own table including the same information.

Name of Facility	Address of Facility	Party Responsible ³⁴ For Maintenance	Type of Treatment/HM Control(s)
No SMCFCFCD stormwater treatment systems.			

³³ "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

³⁴State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2018 - June 30, 2019												
Project Name & No.	Permittee	Address	Application Submittal Date ³⁵	Status ³⁶	Description ³⁷	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category ³⁸	LID Treatment Reduction Credit Available ³⁹	List of LID Stormwater Treatment Systems ⁴⁰	List of Non-LID Stormwater Treatment Systems ⁴¹
No SMCFCD Special Projects.												

³⁵Date that a planning application for the Special Project was submitted.

³⁶ Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

³⁷Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

³⁸ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

³⁹For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

⁴⁰: List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

⁴¹List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

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C.3 – New Development and Redevelopment

Special Projects Narrative
N/A

C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure				
Project Name and Location⁴²	Project Description	Status⁴³	GI Included?⁴⁴	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement⁴⁵
Please see County FY 18-19 Annual Report for a list of public projects reviewed for Green Infrastructure.				

C.3.j.ii.(2) ► Table B - Planned and/or Completed Green Infrastructure Projects			
Project Name and Location⁴⁶	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
No SMCFCFCD planned or completed Green Infrastructure Projects.			

⁴² List each public project that is going through your agency’s process for identifying projects with green infrastructure potential.

⁴³ Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

⁴⁴ Enter “Yes” if project will include GI measures, “No” if GI measures are impracticable to implement, or “TBD” if this has not yet been determined.

⁴⁵ Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.

⁴⁶ List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

Section 4 – Provision C.4 Industrial and Commercial Site Controls
 Section not applicable to San Mateo County Flood Control District

Program Highlights and Evaluation Highlight/summarize activities for reporting year:	N/A
Summary: The jurisdiction of the SMCFCD is limited to the flood control channels that were constructed and maintained by the District. We do not have legal authority for pollutant control on industrial sites located within the adjacent jurisdictions; however, we do work collaboratively with the adjacent municipalities to address stormwater concerns. For example, information related to any problems observed during the Colma Creek routine quarterly inspections is forwarded to the adjacent municipalities' enforcement staff for follow-up action.	

C.4.b.iii ► Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)	N/A
List below or attach your list of industrial and commercial facilities in your Inspection Plan to inspect that could reasonably be considered to cause or contribute to pollution of stormwater runoff.	

C.4.d.iii.(2)(a) & (c) ► Facility Inspections	N/A						
Fill out the following table or attach a summary of the following information. Indicate your reporting methodology below.							
<input type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.						
<input type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%; text-align: center;">Number</th> </tr> </thead> <tbody> <tr> <td>Total number of inspections conducted (C.4.d.iii.(2)(a))</td> <td></td> </tr> <tr> <td>Violations, enforcement actions, or discrete number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c))</td> <td></td> </tr> </tbody> </table>			Number	Total number of inspections conducted (C.4.d.iii.(2)(a))		Violations, enforcement actions, or discrete number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c))	
	Number						
Total number of inspections conducted (C.4.d.iii.(2)(a))							
Violations, enforcement actions, or discrete number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c))							
Comments:							

C.4.d.iii.(2)(b) ▶ Frequency and Type of Enforcement Conducted N/A

Fill out the following table or attach a summary of the following information.

	Enforcement Action (as listed in ERP) ¹	Number of Enforcement Actions Taken
Level 1		
Level 2		
Level 3		
Level 4		
Total		

C.4.d.iii.(2)(d) ▶ Frequency of Potential and Actual Non-stormwater Discharges by Business Category N/A

Fill out the following table or attach a summary of the following information.

Business Category ²	Number of Actual Discharges	Number of Potential Discharges

C.4.d.iii.(2)(e) ▶ Non-Filers N/A

List below or attach a list of the facilities required to have coverage under the Industrial General Permit but have not filed for coverage:

--

C.4.e.iii ▶ Staff Training Summary N/A

Training Name	Training Dates	Topics Covered	No. of Industrial/ Commercial Site Inspectors in Attendance	Percent of Industrial/ Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance

¹Agencies to list specific enforcement actions as defined in their ERPs.

²List your Program's standard business categories.

Comments:

Section 5 – Provision C.5 Illicit Discharge Detection and Elimination

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Provide background information, highlights, trends, etc.

Summary:

The jurisdiction of the SMCFCDD is limited to the flood control channels that were constructed and maintained by the District. We do not have legal authority to prohibit and control illicit discharges and implement enforcement within the adjacent jurisdictions. However, County staff participate in the CII committee meetings where illicit discharge detection and elimination objectives were discussed regularly, and we continued to work collaboratively with the adjacent municipalities to address illicit discharges and other stormwater concerns.

For reported discharges and complaints within the SMCFCDD's jurisdiction (i.e., flood control channels), SMCFCDD staff handles coordination of response, cleanup, and tracking. County Environmental Health (CEH) is notified when necessary. CEH operates an Emergency Response Hazardous Material Team that works with local fire departments to ensure that all spills are investigated, monitored, and cleaned up appropriately. SMCFCDD staff did not receive any public reports or illicit discharge complaints related to direct discharges into SMCFCDD flood control facilities during this reporting period.

Any calls and complaints that are received by the SMCFCDD pertaining to illicit discharges outside of SMCFCDD jurisdiction are forwarded to the appropriate adjacent municipality for response, cleanup, and tracking. Information related to potential and illicit discharges observed by SMCFCDD staff during the Colma Creek routine quarterly inspections was forwarded to the adjacent municipalities' enforcement staff for follow-up action and tracking.

The SMCFCDD maintains a message board at Colma Creek just upstream from the confluence with the San Francisco Bay near the Bay Trail pedestrian bridge. Postings include where to report illegal dumping and other problems, endangered species information (i.e., leash ordinance to protect nesting clapper rails), and cleanup and volunteer event information. Illicit discharge reporting information is also available on the SMCFCDD website - <https://publicworks.smcgov.org/flood-control-districts>

Please see the C.5 Illicit Discharge Detection and Elimination section of the SMCWPPP FY 18-19 Annual Report for description of activities conducted at the countywide or regional level.

C.5.c.iii ► Complaint and Spill Response Phone Number

Summary of any changes made during FY 18-19.

No changes.

C.5.d.iii.(1), (2), (3) ► Spill and Discharge Complaint Tracking	
Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)	
	Number
Discharges reported (C.5.d.iii.(1))	0
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	0
Discharges resolved in a timely manner (C.5.d.iii.(3))	N/A
Comments: There were no direct spill or discharge complaints <u>within</u> the SMCFCD jurisdiction reported to the SMCFCD.	

C.5.e.iii.(2) ► Control of Mobile Sources	N/A
(a) Provide changes to your agency's minimum standards and BMPs for each of the various types of mobile businesses since the 2017 Annual Report (C.5.e.iii.(2)(a))	
As described above, the jurisdiction of the SMCFCD is limited to the flood control channels that were constructed and maintained by the District. We do not have legal authority related to mobile businesses operating within the adjacent jurisdictions. However, the County and adjacent cities follow the minimum standards and BMPs described in the "Best Management Practices for Mobile Businesses" fact sheet recently updated by the SMCWPPP CII Subcommittee in April 2019 for the following mobile business categories: automobile washers/detailers, power washers, carpet cleaners, steam cleaners, pet care services. The format of the fact sheet was updated, but there have been no changes to the BMPs since the 2017 Annual Report.	
(b) Provide changes to your agency's enforcement strategy for mobile businesses (C.5.e.iii.(2)(b))	
Since FY 13-14 SMCWPPP's enforcement strategy has been to track mobile business enforcement actions from SMCWPPP permittees in a table available on the SMCWPPP CII members only webpage. The tracking table is periodically updated.	
(c) Provide minimum standards and BMPs developed for additional types of mobile businesses addressed since 2017 Annual Report (C.5.e.iii.(2)(c))	
SMCWPPP has not developed minimum standards and BMPs for additional types of mobile businesses other than those described in (a) above.	

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(d) Provide a list and summary of the specific outreach events and education conducted to each type of mobile business operating within your jurisdiction during the Permit term (C.5.e.iii.(2)(d):
Please see the C.5 Illicit Discharge Detection and Elimination section of SMCWPPP’s FY 18-19 Annual Report for a description of activities at the countywide or regional level.
(e) Discuss inspections conducted at mobile businesses and/or job sites (C.5.e.iii.(2)(e)
N/A
(f) List below or attach the list of mobile businesses operating within your agency’s jurisdiction (C.5.e.iii.(2)(f))
In FY 16-17 SMCWPPP compiled an inventory of mobile businesses located in San Mateo County. The inventory was developed by reviewing lists provided by individual agencies, yellow page searches and online business searches. The inventory includes automotive washing, steam cleaning, power washing, pet care services and carpet cleaning mobile businesses. The inventory is periodically updated with mobile businesses stormwater inspectors observe during routine field activities, including responding to illicit discharges. The inventory is made available to all San Mateo County Permittees on the SMCWPPP CII members only webpage. The inventory is included in SMCWPPP’s FY 18-19 Annual Report and currently has approximately 175 mobile businesses.
(g) Discuss enforcement actions taken against mobile businesses during the Permit term (C.5.e.iii.(2)(g))
N/A

C.5.f.iii ► MS4 Map Availability

Discuss how you make your MS4 map available to the public and how you publicize the availability of the MS4 map.
Hard copies of MS4 maps are available for the public to view at the DPW Counter, and a link to the Oakland Museum Creek Mapping Project website is also available on the SMCWPPP webpage: http://explore.museumca.org/creeks/MapDC.html .

Section 6 – Provision C.6 Construction Site Controls

With the exception of SMCFCFD flood control capital improvement projects involving construction, Section 6 is generally not applicable to the SMCFCFD. During FY 18-19, there was no SMCFCFD flood control capital improvement project construction.

C.6.e.iii.(3)(a), (b), (c), (d) ▶ Site/Inspection Totals			
Number of active Hillside Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.a)	Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.c)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.3.b)	Total number of storm water runoff quality inspections conducted (include only Hillside Sites, High Priority Sites and sites disturbing 1 acre or more) (C.6.e.iii.3.d)
# N/A	# N/A	# N/A	# N/A
Comments:			

C.6.e.iii.(3)(e) ▶ Construction Related Storm Water Enforcement Actions	
Enforcement Action (as listed in ERP) ¹	Number Enforcement Actions Issued
N/A	

C.6.e.iii.(3)(f), ▶ Illicit Discharges	
	Number
Number of illicit discharges, actual and those inferred through evidence at hillside sites, high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.3.f)	0

¹Agencies should list the specific enforcement actions as defined in their ERPs.

C.6.e.iii.(3)(g) ► Corrective Actions		N/A
Indicate your reporting methodology below.		
<input type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.	
<input type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.	
		Number
Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii. .3.g)		0
Comments:		

C.6.e.iii.(4) ► Evaluation of Inspection Data		N/A
Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).		
Description: N/A		

C.6.e.iii.(4) ► Evaluation of Inspection Program Effectiveness		N/A
Describe what appear to be your program’s strengths and weaknesses, and identify needed improvements, including education and outreach.		
Description: N/A		

C.6.f.iii ► Staff Training Summary			
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
SMCWPPP’s Construction Site Stormwater Inspections Training for Municipal Inspectors	March 11, 2019	Water Board and C6 Requirements; Overview of Erosion Control Measures and their use and application	7 Planners; 9 DPW staff and inspectors; 2 Code Compliance Officers
C.6 Construction Inspections, Enforcement Response, Tracking & Reporting – County of San Mateo DPW	Oct 15, 2018	C.6 Requirements, DPW Construction Inspection Process, ERP, Inspection Reports, Tracking, Annual Report	18 DPW staff and inspectors

Section 7 – Provision C.7. Public Information and Outreach

C.7.b.i.1 ► Outreach Campaign

Summarize outreach campaign. Include details such as messages, creative developed, and outreach media used. The detailed outreach campaign report may be included as an attachment. If outreach campaign is being done by participation in a countywide or regional program, refer to the separate countywide or regional Annual Report.

Summary:

See Section 7 and Section 9 of the SMCWPPP FY 18-19 Annual Report for a description of outreach campaign activities conducted at the countywide level.

C.7.c. Stormwater Pollution Prevention Education

No Change.

C.7.d ► Public Outreach and Citizen Involvement Events

Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed. Use the following table for reporting and evaluating public outreach events

See Section 7 of the SMCWPPP FY 18-19 Annual Report for a description of public outreach and citizen involvement events activities conducted at the countywide level. See County’s FY 18-19 Annual Report for detail on additional outreach and citizen involvement events conducted by County departments.

Additionally, DPW/SMCFCD staff conducted public outreach and coordinated citizen involvement events that were tailored for the Colma Creek watershed. Event information was posted on public bulletin boards at the County office building at 555 County Center in Redwood City; the San Francisco Bay Trail signboard along Colma Creek in South San Francisco; the SMCWPPP and County Office of Sustainability (OOS) event calendars; distributed to local outreach lists based on past participation; and posted through various social media networks such as Nextdoor, FB, and Twitter. SMCWPPP outreach materials (<http://www.flowstobay.org/publications>) and other OOS outreach materials on topics such as climate change, energy and water, active transportation & commute alternatives, and waste reduction were made available at the events. SMCFCD staff typically opened the events with a brief presentation on stormwater pollution prevention, litter reduction, and restoration. Public events specific to the Colma Creek Flood Control Zone are detailed below.

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Colma Creek Coastal Cleanup Day Event, 9/15/2018, Colma Creek in South San Francisco	Creek cleanup event coordinated by City of South San Francisco, County/SMCFCD, SMCWPPP, California Coastal Commission, and Ocean Conservancy. This event targeted the general public with focused messaging on litter reduction.	99 volunteers removed approximately 5.3 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek. Volunteers included students from Highlands Christian School, Mills High School, Alta Loma Junior High, South San Francisco High School, and El Camino High School.
Colma Creek Volunteer Day, 12/12/2018, Colma Creek in South San Francisco	Creek cleanup event with outreach and education messaging related to stormwater pollution prevention and litter reduction. This event was coordinated for staff at a local healthcare company.	7 volunteers from StayWell removed approximately 1.7 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek.
Colma Creek Volunteer Day, 3/30/2019, Colma Creek in South San Francisco	Native planting/marsh restoration event with outreach and education messaging related to stormwater pollution prevention, litter reduction and native plant restoration. This event targeted the local schools.	33 volunteers (including students and parents from Buri Buri Elementary, Alta Loma Middle School, and Highlands Christian School), as well as SMCFCD staff and the County’s restoration consultant planted approximately 100 native plants, applied mulch, and removed

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		approximately 1.3 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek.
Colma Creek Earth Day Cleanup Event, 4/20/2019, Colma Creek in South San Francisco	Creek cleanup event coordinated by City of South San Francisco and County/SMCFCD staff. This event targeted the general public with focused messaging on litter reduction.	15 volunteers removed approximately 3.2 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek. Volunteers included students from Highlands Christian School, Alta Loma Junior High, South San Francisco High School, as well as staff from local healthcare and biotech companies.
National River Cleanup Day, 5/18/2019, Colma Creek in South San Francisco	Creek cleanup event coordinated by City of South San Francisco and County/SMCFCD staff. This event targeted the general public with focused messaging on litter reduction.	10 volunteers removed approximately 4 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek. Volunteers included students from Highlands Christian School and Alta Loma Junior High.

C.7.e. ► Watershed Stewardship Collaborative Efforts

Summarize watershed stewardship collaborative efforts and/or refer to a regional report that provides details. Describe the level of effort and support given (e.g., funding only, active participation etc.). State efforts undertaken and the results of these efforts. If this activity is done regionally refer to a regional report.

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

See Section 7 of the SMCWPPP FY 18-19 Annual Report for a description of watershed stewardship collaborative efforts conducted at the countywide level.

SMCFCD staff continued to work with SMCWPPP and County OOS to support watershed stewardship collaborative efforts throughout San Mateo County and worked directly with smaller local collaboratives that exist within the SMCFCFCD's zones. Please see the County's FY 18-19 Annual Report for watershed stewardship efforts that County staff participated in that are not specific to SMCFCFCD flood zones. Watershed stewardship efforts conducted by SMCFCFCD staff that pertain directly to SMCFCFCD flood zones are summarized below.

SMCFCD and DPW staff continued participation in the Bay Area Integrated Regional Water Management Program (IRWMP) by serving as a Bay Area Flood Protection Agency Association (BAFPAA) participating agency. IRWMP and BAFPAA agencies worked collaboratively on regional flood protection, stormwater management, and watershed issues, and continued conducting outreach to smaller cities and watershed groups for sub-regional projects.

SMCFCD continued collaborative efforts in the Colma Creek watershed including collaboration with San Bruno Mountain Watch, the Colma Creek Flood Control Zone Citizens Advisory Committee, and the Technical Advisory Committee (TAC), including representatives from all municipalities located within the watershed. SMCFCFCD staff provided regular updates on SMCFCFCD Colma Creek activities and collaborated on ideas and opportunities for outreach, trash load reduction activities, vegetation management, and abatement of illegal dumping and homeless encampments. As previously reported, in October 2016, a Memorandum of Agreement (MOA) between the SMCFCFCD and the City of South San Francisco for maintenance activities and other shared activities was fully executed. A similar MOA between the SMCFCFCD and the Town of Colma was executed and became effective in January 2017. The SMCFCFCD does not have dedicated maintenance staff and in the past has relied on County Road Services Division staff or contract services to perform maintenance, cleanup, or enforcement on or along the channel. To date, the MOAs have been successful in better understanding access rights, ownership, and easements and in facilitating collaborative, more timely response for dealing with illegal encampments, illicit discharges, and other cleanup issues such as illegal dumping and graffiti, as well as routine maintenance activities. For FY 18 -19, stormwater related topics that were discussed at the Colma Creek Advisory Committee and TAC meetings included 1) the multi-jurisdictional regional stormwater capture project at Orange Memorial Park (a collaborative effort between CalTrans, City of SSF, SMCWPPP, SMCFCFCD, Daly City, San Bruno, and Town of Colma); 2) Resilient by Design South San Francisco project - <http://www.resilientbayarea.org/resilient-south-city/>; and 3) Sea Level Rise Preparedness.

SMCFCD is also involved with watershed collaborative efforts in the San Francisquito Creek watershed and Flood Control Zone. SMCFCFCD is a member of the San Francisquito Creek Joint Powers Authority (JPA) along with the Santa Clara Valley Water District and the Cities of East Palo Alto, Menlo Park, and Palo Alto. The JPA was created to collaboratively address flooding and watershed protection. SMCFCFCD staff attended monthly JPA meetings and provided input on watershed and flooding issues. SMCFCFCD staff also participated in the annual creek walk with other JPA member agency staff to identify areas of trash and debris accumulation and required maintenance.

The County of San Mateo created the Flood Resilience Program (Program) in 2016 to address the County's areas of responsibility that are challenged by flood risks and are not covered by the County's active Flood Control zones. Since its inception, the Program has taken a regional approach to flood resilience and is actively collaborating with seven jurisdictions across multiple watersheds, including Bayfront Canal-Atherton Channel, Belmont Creek, and Navigable Slough (a tributary to Colma Creek). The Program has taken a multi-benefit approach to developing implementable flood management plans and projects within these watersheds. Although flood management is the primary objective of the Program, value-added measures such as green infrastructure, stormwater pollution prevention, creek and wetlands restoration, and sea level rise are being considered. In addition to developing flood management plans and prioritizing projects to design and implement, the Program is actively seeking other funding opportunities such as grants and cooperative agreements and is implementing a community outreach platform to maintain an open dialogue with community members, other County initiatives, local and regional governments, and regulatory agencies. Additional information on the Program is available at: <https://publicworks.smcgov.org/flood-resilience>

In FY 18-19 the County of San Mateo embarked on the process to create the Flood and Sea Level Rise Resiliency District (FSLRRD) through modified legislation of the existing San Mateo County Flood Control District Act. Assembly Bill 825 will repurpose the existing District to empower the 20 cities and the County of San Mateo to tackle sea level rise, flooding, coastal erosion, and regional stormwater vulnerabilities with a coordinated, united approach and solutions that provide resiliency. Currently there is not a platform for multiple agencies to design and implement regional stormwater projects. The new FSLRRD will be launched on January 1, 2020. More information is available at: www.resilientsanmateo.org.

C.7.f. ► School-Age Children Outreach

Summarize school-age children outreach programs implemented. A detailed report may be included as an attachment. Use the following table for reporting school-age children outreach efforts.

See Section 7 of the SMCWPPP FY 18-19 Annual Report for a description of school-age children outreach efforts conducted at the countywide level.

The following outreach event specific to the Colma Creek Flood Control Zone was conducted by the SMCFCFCD.

Additionally, outreach for Coastal Cleanup Day, Earth Day, and National River Cleanup Day included local schools. Student and parent volunteers from five local schools attended the events.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Colma Creek Volunteer Day, 3/30/2019, Colma Creek in South San Francisco	Native planting/marsh restoration event with outreach and education messaging related to stormwater pollution prevention, litter reduction and native plant restoration.	33 volunteers including a teacher, students, and parents.	33 volunteers (including students and parents from Buri Buri Elementary, Alta Loma Middle School, and Highlands Christian School), as well as SMCFCFCD staff and the County's restoration consultant planted approximately 100 native plants, applied mulch, and removed approximately 1.3 cubic yards of trash. The County biologist began the event with a brief presentation about litter reduction, stormwater pollution prevention, watersheds, and wetland ecology. Educational stormwater materials were distributed. The teacher provided positive feedback and plans to continue participating in future events.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a. ► Implement IPM Policy or Ordinance							
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?				<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If no, explain:							
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbamates fipronil, indoxacarb, diuron, and diamides. A separate report can be attached as evidence of your implementation.							
Trends in Quantities and Types of Pesticide Active Ingredients Used¹							
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount ²						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	
Organophosphates	0	0	0	0			
Active Ingredient Chlorpyrifos	0	0	0	0			
Active Ingredient Diazinon	0	0	0	0			
Active Ingredient Malathion	0	0	0	0			
Pyrethroids (see footnote #2 for list of active ingredients)	0	0	0	0			
Active Ingredient Type X	0	0	0	0			
Active Ingredient Type Y	0	0	0	0			
Carbamates	0	0	0	0			
Active Ingredient Carbaryl	0	0	0	0			
Active Ingredient Aldicarb	0	0	0	0			
Fipronil	0	0	0	0			
	Amount						

¹Includes all municipal structural and landscape pesticide usage by employees and contractors.

²Weight or volume of the active ingredient, using same units for the product each year. Please specify units used. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambdacyhalothrin, and permethrin.

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Pesticide Category and Specific Pesticide Active Ingredient Used	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Indoxacarb	Reporting not required in FY 15-16	0	0	0		
Diuron	Reporting not required in FY 15-16	0	0	0		
Diamides	Reporting not required in FY 15-16	0	0	0		
Active Ingredient Chlorantraniliprole		0	0	0		
Active Ingredient Cyantraniliprole		0	0	0		
Reasons for increases in use of pesticides that threaten water quality:						
N/A						
IPM Tactics and Strategies Used:						
<p>The County Board of Supervisors adopted the County of San Mateo IPM as a policy document on June 8, 2010, and the County has since been implementing the policy accordingly. To address comments provided by Regional Board staff, County staff from multiple departments worked closely with local agencies through the SMCWPPP Parks Maintenance and IPM Work Group to review and refine standardized IPM language. The revised IPM policy document was adopted by the County Board of Supervisors on July 24, 2012 (Resolution and IPM policy were submitted to the Regional Board as an attachment to the FY11-12 Annual Report).</p> <p>During FY 18 -19, the County continued to implement its IPM policy, as adopted July 24, 2012. The SMCFCFD does not routinely apply pesticides at the County-maintained flood control facilities.</p> <p>For the San Bruno Creek Flood Control Zone, all vegetation management work within the Cupid Row Canal channel (West-Of-Bayshore property), pump station, and adjacent access road is conducted by County DPW crews per the County IPM policy. IPM tactics include vegetation trimming by hand (e.g., hand trimming of cattails and weed-whacking along access road and pump station).</p> <p>The SMCFCFD contracts with a landscape/restoration consultant for on-going maintenance of several mitigation sites within the Colma Creek Flood Control Zone. Work performed by the contractor at the mitigation sites involved the use of non-chemical strategies such as hand weeding and mechanical removal, mulching, and replacing invasive plants with native plants. For FY 18-19, no herbicide was used at the SMCFCFD mitigation areas.</p>						

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C.9 – Pesticides Toxicity Controls

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Additionally, as described above in Section C.2.c, the SMCFCFCD performed minor channel maintenance activities, including limited vegetation management during FY 18-19 as part of the Colma Creek Channel Maintenance Project. Vegetation management work primarily included hand removal non-native vegetation such as sweet fennel, pampas grass, and non-native, ruderal grasses at targeted locations along access roads and the upper banks of Colma Creek. A very limited amount of glyphosate was used at one location on the upper banks for targeted non-native vegetation control. Vegetation was also removed from weep holes and joints. Work was performed by a County contractor and the Town of Colma staff and contractor under the MOA with the SMCFCFCD for maintenance activities.

County and SMCFCFCD staff participate in the County of San Mateo Agricultural Commissioner's Weed Management Areas, a collaborative group made up of agencies, nonprofits, and interested citizens, to coordinate and discuss priority weed issues within the County and appropriate treatments, including BMPs.

C.9.b ▶ Train Municipal Employees

Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	0
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	N/A
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year.	N/A
Type of Training: N/A	

C.9.c ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	<input checked="" type="checkbox"/>	Yes	No
If yes, did your municipality evaluate the contractor’s list of pesticides and amounts of active ingredients used?	<input checked="" type="checkbox"/>	Yes	No,
<p>If your municipality contracted with any pesticide service provider, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored</p> <p>As described in past annual reports, the SMCFCFD contracts with a landscape/restoration consultant for on-going maintenance of several mitigation sites within the Colma Creek Flood Control Zone. The County IPM policy was provided to the consultant and implementation was included as a condition for all applicable task order authorizations. No herbicides were used in FY 18-19 at the mitigation sites. The consultant conducts mitigation site plant monitoring along established transects twice per year (September and October) to determine compliance with performance criteria as detailed in the mitigation project Habitat Mitigation and Monitoring Plan. Monitoring results are then used by SMCFCFD staff and the contractor to develop the work plan for the following year. Monitoring results, summaries of consultant maintenance activities, problems (i.e., weedy species), and IPM-based recommendations are summarized in an Annual Report that is provided to the Water Board and other agency staff.</p> <p>As described above in C.9.a, limited vegetation management work was also conducted as part of the Colma Creek Channel Maintenance Project. SMCFCFD issued task specific authorizations for the agreed upon work; provided a detailed memo and/or e-mails summarizing permit conditions, BMPs, and IPM policy; and work was closely monitored by the County biologist and summarized in a post-construction annual report to the regulatory agencies. Only a small amount of Roundup was used in a targeted area to control the spread of invasive pampas grass by the contractor performing work under the Town of Colma and its IPM.</p> <p>The SMCFCFD does not have any buildings or other facilities that require the use of structural pesticides.</p>			

C.9.d ▶ Interface with County Agricultural Commissioners			
Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides,	<input checked="" type="checkbox"/>	Yes	No

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<p>If yes, summarize the communication. If no, explain. As mentioned above, County and SMCFCFD staff participate in the County of San Mateo Agricultural Commissioner's Weed Management Areas, a collaborative group made up of agencies, nonprofits, and interested citizens, to coordinate and discuss priority weed issues within the County and appropriate treatments, including BMPs. Staff from the Agricultural/Weights and Measures Department are contacted on as-needed basis for project-specific guidance. Please see Section 9 of the SMCWPPP FY 18-19 Annual Report for summary of the Countywide Program's coordination with the San Mateo County Agricultural Commissioner.</p>				
<p>Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.</p>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
<p>If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.</p>				

C.9.e.ii (1) ► Public Outreach: Point of Purchase

<p>Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); OR reference a report of a regional effort for public outreach in which your agency participates.</p>
<p>Summary: Please see the C.9 Pesticides Toxicity Controls section of the SMCWPPP FY 18-19 Annual Report for a description of point of purchase public outreach efforts conducted at the countywide level and regionally.</p>

C.9.e.ii (2) ► Public Outreach: Pest Control Contracting Outreach

<p>Provide a summary of outreach to residents who use or contract for structural pest control and landscape professionals); AND/OR reference a report of a regional effort for outreach to residents who hire pest control and landscape professionals in which your agency participates.</p>
<p>Summary: Please see the C.9 Pesticides Toxicity Controls section of the SMCWPPP FY 18-19 Annual Report for a summary of public outreach to residents who hire pest control and landscape professionals.</p>

C.9.e.ii.(3) ► Public Outreach: Pest Control Operators

<p>Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); AND/OR reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.</p>
<p>Summary:</p>

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Please see the C.9 Pesticides Toxicity Controls section of SMCWPPP FY 18-19 Annual Report for a summary of outreach to pest control operators and landscapers to reduce pesticide use.

C.9.f ▶ Track and Participate in Relevant Regulatory Processes

Summarize participation efforts, information submitted, and how regulatory actions were affected; **AND/OR** reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.

Summary:

During FY 18-19, we participated in regulatory processes related to pesticides through contributions to SMCWPPP, BASMAA and CASQA. For additional information, see the Regional Report submitted by BASMAA on behalf of all MRP Permittees.

C.9.g. ▶ Evaluate Implementation of Pesticide Source Control Actions

(For FY 18-19 Annual Report only) Submit an evaluation that assesses; 1) the effectiveness of IPM efforts required in Provisions C.9.a-e and g, 2) a discussion of any improvements made in the past five years; 3) any changes in water quality regarding pesticide toxicity in urban creeks; and 4) a brief description of one or more pesticide-related area(s) the Permittee will focus on enhancing during the subsequent permit term.

Summary:

Please see the appendices to SMCWPPP’s FY 18-19 Annual Report for a report that includes the following:

- An evaluation of the effectiveness of source control measures for pesticides and toxicity that have been implemented;
- An evaluation of water quality in relation to pesticides and toxicity in urban creeks;
- Improvements made to SMCFCD’s IPM Program during this permit term; and
- Pesticide-related area(s) that SMCFCD will focus on enhancing during the next permit term.

Section 10 - Provision C.10 Trash Load Reduction

C.10.a.i ► Trash Load Reduction Summary	
For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage	
Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to Trash Full Capture Systems (as reported C.10.b.i)	N/A
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii) ¹	N/A
Percent Trash Reduction due to Jurisdictional-wide Source Control Actions (as reported in C.10.b.iv)	N/A
SubTotal for Above Actions	N/A
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	N/A
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	N/A
Total (Jurisdictional-wide) % Trash Load Reduction through FY 2018/19	N/A
Discussion of Trash Load Reduction Calculation and Attainment of the 80% Mandatory Deadline: N/A	

¹ See Appendix 10-1 for changes between 2009 and FY 2018/19 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

C.10.a.iii ► Mandatory Trash Full Capture Systems

Provide the following:

- 1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 2018/19, during FY 2018/19, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.
- 2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.

SMCFCD was required to install one trash boom or two outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures by July 1, 2014. The SMCFCD met the minimum full trash capture requirement by the installation of equivalent measures (small full trash capture devices) in the Colma Creek watershed and other areas in the unincorporated County, consistent with Attachment J of the previous MRP. To establish a level of "equivalent measures", the mean drainage area for 2 ft. diameter outfalls (i.e., the minimum diameter for typical trash outfall capture devices) in the Colma Creek Flood Control Zone (Colma Creek watershed) is approximately 35 acres, and the median is approximately 25 acres. To date, the County has installed 166 full trash capture devices (connector pipe screens or CPS) throughout unincorporated San Mateo County including areas within the Colma Creek watershed. The total treatment area covered by the County's devices is approximately 580 acres. This far exceeds the combined MRP requirement of minimum full trash capture area for unincorporated San Mateo County (21 acres) and equivalent measures for SMCFCD which, as reported in past annual reports, were previously estimated to be approximately 25 to 35 acres for a 2 ft. diameter outfall. Please see C.10 of the County's FY 18-19 Annual Report for additional full trash capture device information.

In addition to small full trash capture devices that have been installed throughout the unincorporated County, the SMCFCD has continued with collaborative efforts through the Colma Creek Flood Control Zone TAC to identify priority locations for large full trash capture devices and other trash load reduction measures. The TAC includes management and staff from SMCFCD, South San Francisco, San Bruno, Daly City, and the Town of Colma. The TAC will continue to meet on a regular basis and the SMCFCD is committed to continuing this collaborative effort.

During FY 17-18, DPW authorized a consultant to begin work on a Trash Capture Feasibility Study (Study) involving feasibility and siting for additional full trash capture devices in TMAs 1, 2, 3, 4, and 5 in order to meet the remaining trash load reduction for the County by 2022. The Study was completed in November 2018, and the County is currently evaluating the Study's recommendations. Additionally, SMCFCD has been working closely with the City of South San Francisco on development of plans for the Orange Memorial Park Stormwater Capture Project with funding from CalTrans to include trash reduction components.

Type of System	# of Systems	Areas Treated (Acres)
Installed in FY 2018/19		
Devices installed by bordering Permittees with treatment areas extending into the County of San Mateo	-	0.8
Installed Prior to FY 2018/19		
Connector Pipe Screens (Public)	166	543.2

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Devices installed by bordering Permittees with treatment areas extending into the County of San Mateo	-	40.5
Total for all Systems Installed To-date	166	584.5*
Treatment Acreage Required by Permit (Population-based Permittees)		21
Total # of Systems Required by Permit (Non-population-based Permittees)		2

*Area treated includes jurisdictional and non-jurisdictional lands (e.g., public K-12 schools and colleges, and freeways).

C.10.b.i ► Trash Reduction - Full Capture Systems

Provide the following:

- 1) Jurisdictional-wide trash reduction in FY 2018/19 attributable to trash full capture systems implemented in each TMA;
- 2) The total number of full capture systems installed to-date in your jurisdiction;
- 3) The percentage of systems in FY 2018/19 that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
- 4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
- 5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full in FY 2018/19	Summary of Maintenance Issues and Corrective Actions
All Applicable	N/A	166	6%	<p>The level of maintenance needed for full trash capture devices varied by specific location or area depending on the levels of trash, frequency of street sweeping, amount of leaf litter, and the timing of storms in relation to street sweeping. Since initial installation, the DPW Roads Division maintenance staff have found that full service cleaning with a Vac-Con truck is needed less than originally anticipated for the CPS units that were installed in combination with ARS units at the curb opening. For FY 18-19, the DPW Roads Division maintenance crews performed scheduled inspection and maintenance of the full trash capture devices with a Vac-Con truck one to two times per year, depending on location. Full trash capture devices were also regularly inspected during routine patrols by the DPW Roads Division maintenance crews. Additional maintenance was conducted on an as-needed basis throughout the rainy season as determined during the routine patrols and inspections. Crews also hand sweep in front of the ARS as needed prior to and/or during storms. No problems were reported with the functionality of the devices.</p> <p>Since January 1, 2016 (effective date of the MRP 2.0), per the County's trash full capture device O&M Program, DPW staff have been using the SMCWPPP field form template for logging inspection and maintenance, and the data are tracked</p>
Total				

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				<p>electronically. DPW continued working on full automation of the trash full capture device process to allow for electronic field data collection using a handheld device and Collector for ArcGIS integrated with Survey 123 and plans to explore integration of trash full capture device inspection into a computerized maintenance management system.</p> <p>For FY 18-19, a total of 274 scheduled inspections were conducted at the 166 full trash capture device locations. Device maintenance was performed during 260 of the 274 inspections. Nine of the inspected devices had plugged screens, and one was >50% full; however, there was no evidence of flooding. The ten devices were located in TMA 1 and were flagged in the inspection and maintenance database. Inspection and maintenance frequency was increased accordingly to ensure that accumulation levels did not exceed 50%.</p>
<p>Certification Statement: The County of San Mateo and SMCFCD certify that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in manner that meets the full capture system requirements included in the Permit.</p>				

C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART A)

N/A - Per the MRP, the SMCFCFD, a non-population based permittee, is not subject to Long-Term Trash Load Reduction Plan requirements.

Provide a summary of trash control actions other than full capture systems or jurisdictional source controls that were implemented within each TMA, including the types of actions, levels and areal extent of implementation, and whether actions are new, including initiation date.

TMA	Summary of Trash Control Actions Other than Full Capture Systems
N/A	

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C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART B)

N/A - Per the MRP, the SMCFCFD, a non-population based permittee, is not subject to Long-Term Trash Load Reduction Plan requirements.

Provide the following:

- 1) A summary of the on-land visual assessments in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
- 2) Percent jurisdictional-wide trash reduction in FY 2018/19 attributable to trash management actions other than full capture systems implemented in each TMA; OR
- 3) Indicate that no on-land visual assessments were performed.

If no on-land visual assessments were performed, check here and state why:

Explanation:

TMA ID <i>or (as applicable)</i> Control Measure Area	Total Street Miles ² or Acres Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles or Acres Assessed	% of Available Street Miles or Acres Assessed	Avg. # of Assessments Conducted at Each Site	
N/A					

C.10.b.iv ► Trash Reduction – Source Controls

Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.

Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction
<p>Per the MRP, non-population based permittees are not subject to this trash reduction requirement/provision; however, SMCFCFD staff proactively participated in a variety of trash reduction actions. Highlights of the trash reduction activities that occurred in or were indirectly related to SMCFCFD Flood Control Zones are summarized below.</p> <ul style="list-style-type: none"> • Continued implementation of the Colma Creek Maintenance Monitoring Program (Program) that was implemented in 2005. The Program involves quarterly inspections (including documentation of trash and illegal dumping) and on-average approximately 10 or more cleanup events utilizing work force from the Sheriff's Work Program. During this reporting period, the Program coordinated 13 work days for the Sheriff's Work Program involving litter and debris cleanups within the lower reach of Colma Creek resulting in removal of approximately 				

² Linear feet are defined as the street length and do not include street median curbs.

C.10.b.iv ▶ Trash Reduction – Source Controls

Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.

- 33.7 cubic yards of trash and debris.
- In collaboration with the City of South San Francisco, SMCFCFD staff hosted and conducted outreach for Coastal Cleanup Day (Colma Creek hot spots), Earth Day, and National Rivers Cleanup Day volunteer cleanup events. SMCFCFD also coordinated two volunteer planting and cleanup day focused around school-aged children and a local healthcare company. These volunteer events resulted in the removal of approximately 15.4 cubic yards of trash and debris.
- Continued efforts to increase litter enforcement and abatement efforts in Colma Creek in collaboration with the City of South San Francisco through the Program. SMCFCFD continued to maintain postings on the message board that was installed during FY 11-12 at Colma Creek just upstream from the confluence with the San Francisco Bay near the pedestrian bridge. Postings included where to report illegal dumping and other problems, trash cleanup events and results, endangered species info, leash ordinance info to protect nesting clapper rails, and volunteer event information.
- Conducted San Francisquito Creek Flood Control Zone annual creek walk with the JPA.
- On 11/6/2012, the County Board of Supervisors passed a Reusable Bag Ordinance that became effective on 4/22/2013. The ordinance covers unincorporated areas within the watersheds draining into the four SMCFCFD Flood Control Zones.
- On 3/1/11, the County Board of Supervisors adopted Ordinance No. 04542 prohibiting food vendors from using polystyrene-based disposable food service ware. The ordinance covers unincorporated areas within the watersheds draining into the four SMCFCFD Flood Control Zones.
- San Mateo County adopted an ordinance adding Chapter 3.50 Illegal Dumping and Littering to Title 3 of the San Mateo County Ordinance Code, introduced on April 26, 2016. Though illegal dumping is a crime, it is rarely prosecuted. Thus, to maximize enforcement, staff recommended that the county streamline and enhance existing administrative and civil tools by adopting the attached proposed chapter 3.50 of County Ordinance Code. The ordinance classifies both illegal dumping and littering public nuisances and sets forth criminal penalties for each action. Major violations of the ordinance are subject to an increased administrative penalty of \$3,000.00 after notice and an opportunity to appeal is given to the violator. At the same time, it expands the range of individuals potentially responsible for dumping and littering violations to include the following: 1) persons participating in violations, 2) persons whose motor vehicles are used in connection with an act of illegal dumping and 3) property owners whose tenants commit an act of illegal dumping. Finally, the ordinance authorizes the County Manager to develop a community service program to serve as a possible alternative to payment of penalties imposed under the ordinance.
- In 2015, the County launched "Report It! SMC", the County's mobile app that empowers residents to report illegal dumping and graffiti in areas within unincorporated San Mateo County using their smart phone or online - <https://gov.seeclickfix.com/2015/04/01/san-mateo-county-ca-launches-report-it-smc/>. The City of South San Francisco has a similar application, "Engage SSF" (<https://en.seeclickfix.com/south-san-francisco>), which SMCFCFD utilizes for reporting areas with accumulated trash along the FCD but within the City of SSF's jurisdiction.
- As described above in Section C.7.e, the SMCFCFD worked with the Colma Creek TAC on development of MOAs between the SMCFCFD and the City of South San Francisco and the SMCFCFD and the Town of Colma to perform maintenance, cleanup, or enforcement on or along the channel. The MOAs serve to facilitate collaborative response for dealing with illegal encampments and cleanup issues such as illegal dumping and litter accumulation. During FY 18-19, four locations within the lower reach of the Colma Creek Flood Control Channel

Permittee Name: San Mateo County Flood Control District

C.10.b.iv ▶ Trash Reduction – Source Controls

Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.

were routinely checked for homeless encampments and cleaned up and abated as needed through the MOA utilizing resources of the City of South San Francisco.

Please see Sections 7 and 10 of the County’s FY 18-19 Annual Report for additional trash control measures that were implemented by the County and Sections 7 and 10 of the SMCWPPP FY 18-19 Annual report for activities conducted on a countywide or regional level.

C.10.b.v ▶ Trash Reduction – Receiving Water Monitoring

Report on the progress of developing and testing your agency’s trash receiving water monitoring program.

Guidance:

In FY 18-19, the County continued implementing the BASMAA Regional Receiving Water Trash Monitoring Program Plan that was approved by the Water Board’s Executive Officer. Implementation included preparing for and conducting qualitative assessments and quantitative monitoring in receiving water locations within the City of San Mateo. Implementation occurred through both the County’s own efforts and participation in the San Mateo County Water Pollution Prevention Program (SMCWPPP). Consistent with MRP requirements, a preliminary report describing data results and findings to-date was submitted to the Water Board via BASMAA on July 1, 2019 on behalf of all Permittees. The final report for the development and testing of the Bay Area trash receiving water monitoring program will be submitted by BASMAA by July 1, 2020, consistent with the MRP requirements, following peer review.

In addition to implementing the BASMAA Monitoring Plan, the County coordinated (via SMCWPPP) on the Statewide Trash Monitoring Methods Project, which is funded by the California Ocean Protection Council and State Water Board and administered via the Southern California Coastal Water Research Project (SCCWRP) and San Francisco Bay Estuary Institute (SFEI).

C.10.c ▶ Trash Hot Spot Cleanups

Provide the FY 2018/19 cleanup date and volume of trash removed during each MRP-required Trash Hot Spot cleanup during each fiscal year listed. Indicate whether the site was a new site in FY 2018/19.

Trash Hot Spot	New Site in FY 2018/19 (Y/N)	FY 2018/19 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2014/15	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19
SCF01	N	10/13/2018	0.5	0.2	0.5	0.6	0.3
SCF02	N	11/8/2018	2.7	0.6	2.5	2.2	1.4

C.10.d ▶ Long-Term Trash Load Reduction Plan

N/A - Per the MRP, the SMCFCFD, a non-population based permittee, is not subject to Long-Term Trash Load Reduction Plan requirements.

Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), baseline trash generation maps, control measures, or time schedules identified in your plan. Indicate whether your baseline trash generation map was revised and if so what information was collected to support the revision. If your baseline trash generation map was revised, attach it to your Annual Report.

Description of Significant Revision	Associated TMA
N/A	

C.10.e. ▶ Trash Reduction Offsets (Optional)

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 2018/19. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 2018/19	Offset (% Jurisdiction-wide Reduction)
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C.10.e. ► Trash Reduction Offsets (Optional)

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 2018/19. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

<p>Additional Creek and Shoreline Cleanups (Max 10% Offset)</p>	<p>County staff continued to implement the Colma Creek Maintenance and Monitoring Program that was started in 2005. The Program involves quarterly inspections (including documentation of trash and illegal dumping) and on average 10 or more cleanups per year utilizing work force from the SWP. For FY18-19, 13 SWP cleanups were conducted resulting in removal of approximately 33.7 cubic yards of litter and illegally dumped material. Additionally, County staff collaborated with the City of South San Francisco to coordinate several volunteer cleanup events (in addition to the Coastal Cleanup Day hot spot cleanup) in the lower reach of Colma Creek resulting in the removal of an additional 10 cubic yards of litter and illegally dumped material.</p>	<p>N/A</p>	<p>N/A</p>
<p>Direct Trash Discharge Controls (Max 15% Offset)</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 2018/19.

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 2018/19 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 2018/19 After Accounting for Full Capture Systems <u>and</u> Other Control Measures					Jurisdiction-wide Reduction via Other Control Measures (%)	Jurisdiction-wide Reduction via Full Capture <u>AND</u> Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
Totals																		

Note: "NA" indicates that the TMA has no moderate, high or very high trash generating areas (i.e., all low trash generation and/or non-jurisdictional) and therefore no additional trash control measures are needed.

Section 11 - Provision C.11 Mercury Controls

C.11.a ▶ Implement Control Measures to Achieve Mercury Load Reductions
C.11.b ▶ Assess Mercury Load Reductions from Stormwater

Please see the SMCWPPP FY 18-19 Annual Report for updated information on:

- Documentation of mercury control measures implemented in our agency’s jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology¹ was used to calculate the mercury load reduced by each control measure implemented in our agency’s jurisdictional area and the calculation results (i.e., the estimated mercury load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions in the subsequent permit.

C.11.c ▶ Plan and Implement Green Infrastructure to Reduce Mercury Loads

Please see the SMCWPPP FY 18-19 Annual Report for information on the quantitative relationship between green infrastructure implementation and mercury load reductions, including all data used and a full description of models and model inputs relied on to establish this relationship. However, please note that this is not directly applicable to the SMCFCD since it is a non-population based Permittee.

C.11.e ▶ Implement a Risk Reduction Program

A summary of countywide and regional accomplishments for this sub-provision are included in the SMCWPPP FY 18-19 Annual Report.

¹BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.0. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2016.

Section 12 - Provision C.12 PCBs Controls

C.12.a ► Implement Control Measures to Achieve PCBs Load Reductions

C.12.b ► Assess PCBs Load Reductions from Stormwater

Please see the SMCWPPP FY 18-19 Annual Report for:

- Documentation of PCBs control measures implemented in San Mateo County municipal jurisdictional areas for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology¹ was used to calculate the PCBs load reduced by each control measure implemented in San Mateo County municipal jurisdictional areas and the calculation results (i.e., the estimated PCBs load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess PCBs load reductions in the subsequent permit.

C.12.c ► Plan and Implement Green Infrastructure to Reduce PCBs Loads

Please see the SMCWPPP FY 18-19 Annual Report for, as part of reporting for C.12.b.iii(2), an estimate of the amount of PCBs load reductions resulting from green infrastructure implementation during the term of the Permit, including all data used and a full description of models and model inputs relied on to generate the estimate. However, please note that this is not directly applicable to the SMCFCFD since it is a non-population based Permittee.

¹BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.1. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2017.

C.12.f. ► Manage PCB-Containing Materials During Building Demolition	N/A			
On July 1, 2019, was your agency ready to implement a method for identifying applicable structures (buildings built or remodeled between 1950 and 1980, except that single family residential and wood-framed buildings are exempt) that apply for a demolition permit?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
On July 1, 2019, was your agency ready to implement a method to manage PCBs during demolition of applicable structures? ²	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
Does your agency have a data-gathering method in place to inform reporting on the effectiveness of your agency's program to manage PCBs during demolition of applicable structures (e.g., the number of applicable structures, and the amount and concentration of PCBs in priority building materials in applicable structures)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

C.12.h ► Implement a Risk Reduction Program
A summary of countywide and regional accomplishments for this sub-provision are included in the SMCWPPP FY 18-19 Annual Report.

²The new PCBs screening/sampling program itself is considered a stormwater control method for PCBs during demolition of applicable structures, consistent with the requirements of MRP C.12.f. The overall program will lead to management of priority PCBs-containing materials during demolition. For example, the project applicant is required to characterize PCBs concentrations in priority building materials and then must certify that "...I understand my responsibility for knowing and complying with all relevant laws and regulations related to reporting, abating, and handing and disposing of PCBs materials and wastes", which should result in removal and proper disposal of PCBs-containing materials during demolition of an applicable structure (especially when PCBs concentrations are ≥ 50 ppm).

Section 13 - Provision C.13 Copper Controls

C.13.a.iii.(3) ► Manage Waste Generated from Cleaning and Treating of Copper Architectural Features

Provide summaries of permitting and enforcement activities to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction.

Summary:

The jurisdiction of the SMCFCFD is limited to the flood control channels that were constructed and maintained by the District. We rely on the legal authority of the municipalities in the Districts' watersheds to prohibit discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of the surface of copper architectural features to storm drains within the municipalities of the watersheds. SMCFCFD works collaboratively with these municipalities in the enforcement of the prohibitions. Please see the County's FY 18-19 Annual Report for a summary of how copper architectural features are addressed through the issuance of building permits for projects located in unincorporated San Mateo County and under the County's jurisdiction.

C.13.b.iii.(3) ► Manage Discharges from Pools, Spas, and Fountains that Contain Copper-Based Chemicals

Provide summaries of any enforcement activities related to copper-containing discharges from pools, spas, and fountains.

Summary:

SMCFCFD does not have legal authority for prohibiting the discharge of water containing copper-based chemicals from pools, spas, and fountains to storm drains, and we rely on the legal authority of the municipalities in the Districts' watersheds for these activities. Please see the County FY 18-19 Annual Report for a summary of how copper-containing discharges from pools, spas, and fountains are addressed for projects and activities located in unincorporated San Mateo County and under the County's jurisdiction.

C.13.c.iii ► Industrial Sources Copper Reduction Results

Based upon inspection activities conducted under Provision C.4, highlight copper reduction results achieved among the facilities identified as potential users or sources of copper, facilities inspected, and BMPs addressed.

Summary:

The jurisdiction of the SMCFCFD is limited to the flood control channels that were constructed and maintained by the District. We do not have legal authority for pollutant control on industrial sites located within the adjacent jurisdictions; however, we do work collaboratively with the adjacent municipalities to address stormwater concerns, and County inspection staff are regularly trained. Past training materials have included resources such as the BASMAA's June 3, 2010 "POC Commercial/Industrial Inspector Training Material".

Section 15 -Provision C.15 Exempted and Conditionally Exempted Discharges

C.15.b.vi.(2) ► Irrigation Water, Landscape Irrigation, and Lawn or Garden Watering

Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:

- Promote conservation programs
- Promote outreach for less toxic pest control and landscape management
- Promote use of drought tolerant and native vegetation
- Promote outreach messages to encourage appropriate watering/irrigation practices
- Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.

Summary:

SMCFCD’s maintenance activities typically do not involve landscape irrigation. However, the District is currently responsible for maintaining four habitat mitigation sites, which require periodic watering of new plants to ensure plant survival. All new plants are native and are watered by hand. The District routinely provides comments related to landscaping projects proposed by other agencies or private entities in areas adjacent to District facilities.

SMCWPPP provides educational resources regarding yard, garden, and landscape BMPs and conservation measures. Guidebooks and other outreach materials related to water conservation, less-toxic pest control, and appropriate watering/irrigation practices can be found at: <http://www.flowstobay.org>. The County Planning and Building Department makes the above SMCWPPP outreach materials available to the public at the front counter of the permit desk. This material was designed to minimize runoff and pollutant loading from excess irrigation within our jurisdiction. These materials were also distributed at many of the outreach events summarized in C.7 above and in the County’s FY 18-19 Annual Report. Please see the following sections of the SMCWPPP FY 18-19 Annual Report: C.3 New Development and Redevelopment, C.7. Public Information and Outreach, C.9. Pesticide Toxicity Control, and C.15 Exempted and Conditionally Exempted Discharges for related countywide efforts.

Additionally, the County OOS administers several sustainability programs covering water conservation such as the Check It Out! Home Energy and Water Saving Toolkit and Sustainability Academy and promotes other programs such as Bay Area Water Supply and Conservation Agency (BAWSCA) programs and Our Water Our World. Program information is provided during events tabled by OOS staff and on the OOS website - <http://www.smcsustainability.org>.