

October 1, 2018

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

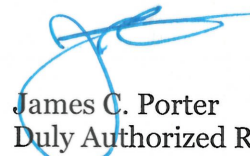
**Re: San Mateo County Flood Control District FY 2017/18 Annual Report**

Dear Mr. Wolfe:

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 2017/18 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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AnnualReportCoverLetter.doc

Enclosures: Certification Statement, San Mateo County Flood Control District FY 2017/18 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

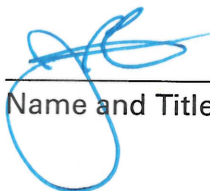


**SAN MATEO COUNTY FLOOD CONTROL DISTRICT  
FY 2017/18 ANNUAL REPORT**

**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

*Director of Public Works*      *9/25/18*  
Date

**FY 2017-2018 Annual Report**

**Permittee Name: San Mateo County Flood Control District**

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Section 1 – Permittee Information

Background Information			
<b>Permittee Name:</b>	San Mateo County Flood Control District		
<b>Population:</b>	Non-population based Permittee		
<b>NPDES Permit No.:</b>	CAS612008		
<b>Order Number:</b>	R2-2015-0049		
<b>Reporting Time Period (month/year):</b>	July 2017 through June 2018		
<b>Name of the Responsible Authority:</b>	James C. Porter	<b>Title:</b>	Director, Department of Public Works
<b>Mailing Address:</b>	555 County Center, 5 <sup>th</sup> Floor		
<b>City:</b>	Redwood City	<b>Zip Code:</b>	94063
		<b>County:</b>	San Mateo
<b>Telephone Number:</b>	(650) 363-4100	<b>Fax Number:</b>	(650) 361-8220
<b>E-mail Address:</b>	<a href="mailto:jporter@smcgov.org">jporter@smcgov.org</a>		
<b>Name of the Designated Stormwater Management Program Contact (if different from above):</b>	Julie Casagrande	<b>Title:</b>	Resource Conservation Specialist
<b>Department:</b>	Public Works		
<b>Mailing Address:</b>	555 County Center, 5 <sup>th</sup> Floor		
<b>City:</b>	Redwood City	<b>Zip Code:</b>	94063
		<b>County:</b>	San Mateo
<b>Telephone Number:</b>	(650) 599-1457	<b>Fax Number:</b>	(650) 361-8220
<b>E-mail Address:</b>	<a href="mailto:jcasagrande@smcgov.org">jcasagrande@smcgov.org</a>		

**Section 2 - Provision C.2 Reporting Municipal Operations**

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:

During FY 17-18, the San Mateo County Flood Control District (SMCFCD) and County of San Mateo Department of Public Works (DPW) staff regularly participated in Municipal Maintenance and Trash Control committees. SMCFCFCD continued implementation of the Colma Creek Maintenance Monitoring Program including four routine quarterly inspections 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).

SMCFCD and DPW staff attended a training on November 1, 2017 that was tailored for County of San Mateo and covered important topics related to C.2 including construction and maintenance activity stormwater BMPs, sensitive species and avoidance measures, environmental regulations and permit requirements, and a BMP products display. Other related trainings are detailed in Section 6 below.

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 San Mateo County Watershed Protection Maintenance Standards (2004) have been incorporated into the new Maintenance Manual. When final, 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 recently submitted to the agencies in July 2018. A follow-up meeting with agency representative, subsequent revisions, and permit applications will be completed during FY 18-19.

Please see the C.2 Municipal Operations section of the SMCWPPP FY 17-18 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 (West-Of-Bayshore property) flood control channel segment within the San Bruno Creek Flood Control Zone was performed during FY 17-18. Maintenance work along Cupid Row 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 San Francisco Garter Snake Recovery Action Plan and 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 17-18.

**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
N/A	Control of discharges from graffiti removal activities
Y	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
N/A	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 minor channel maintenance activities and graffiti abatement (painting over graffiti) during FY 17-18 as part of the Colma Creek Channel Maintenance Project (project). Activities included graffiti abatement, trash cleanup, vegetation management, and repairs to drainage pipe outlets, fences, and channel walls at various locations within the upper reach (Reach 1) of Colma Creek. The work consisted of nine drainage pipe outlet repairs, one spalling concrete channel wall repair, cleaning of two drainage pipe outlets, two fence post footing repairs, repair of fences at four locations, and the removal of pampas grass at the top of banks and other vegetation at pipe outlets and joints within the concrete-lined channel. 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, 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 December 2017.

C.2.e. ► Rural Public Works Construction and Maintenance	
Does your municipality own/maintain rural <sup>1</sup> roads:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If your answer is <b>No</b> then skip to <b>C.2.f.</b>	
Place a <b>Y</b> in the boxes next to activities where applicable BMPs were implemented. If not applicable, type <b>NA</b> in the box and provide an explanation in the comments section below. Place an <b>N</b> 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:	

<sup>1</sup>Rural 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 <b>X</b> 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 <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)			
Place an <b>X</b> in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type <b>NA</b> 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"/>	N/A	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment		
<input type="checkbox"/>	N/A	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"/>	N/A	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method		
<input type="checkbox"/>	N/A	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"/>	N/A	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 17-18 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 <sup>2</sup>	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
N/A				

<sup>2</sup> 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

<b>C.3.b.iv.(2) ► Regulated Projects Reporting</b>	N/A
Fill in attached table <b>C.3.b.iv.(2)</b> 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.	

<b>C.3.e.iv. ► Alternative or In-Lieu Compliance with Provision C.3.c.</b>	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.?	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b>
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.				

<b>C.3.e.v ► Special Projects Reporting</b>	N/A			
1. In FY 2017-18, 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)?	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b>
2. In FY 2017-18, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the <b>C.3.b.iv.(2)</b> Table, and the <b>C.3.e.v.</b> Table.	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b>
If you answered "Yes" to either question, 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 (FY16-17)	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 17-18)	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 17-18)	N/A
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 17-18)	N/A - 0% <sup>3</sup>

<sup>3</sup> 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).

<b>C.3.h.v.(3)(d)-(e) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting</b>	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.			

<b>C.3.h.v.(4) ► Enforcement Response Plan</b>			
Does your agency have an Enforcement Response Plan for all O&M inspections of stormwater treatment measures?	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/> <b>No</b>
If No, explain: The SMCFCD does not have land use or regulatory authority over the types of projects (i.e., private) that may qualify as Regulated Projects requiring O&M inspections and associated enforcement per an ERP. 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. Future flood control projects that qualify as Regulated Projects would be subject to the County of San Mateo O&M Policy and ERP.			

**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 SMCFCFD does not have land use or regulatory authority for these types of projects.

**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.

Summary:

As described above, the SMCFCFD does not have land use or regulatory authority over the types of private projects in which green infrastructure would typically be installed, and therefore, does not have a specific Green Infrastructure program. The SMCFCFD does however collaborate with adjacent municipalities and actively participates in the County of San Mateo Green Infrastructure program’s outreach activities. During FY 17-18, SMCFCFD 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, SMCFCFD, Daly City, San Bruno, and Town of Colma) and the Resilient by Design South San Francisco project - <http://www.resilientbayarea.org/resilient-south-city/>. 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 SMCFCFD staff regularly attended SMCWPPP Green Infrastructure Technical Advisory Committee meetings led by C/CAG. Please see the County’s FY 17-18 Annual Report for a summary of the County’s outreach and education efforts pertaining to Green Infrastructure planning and implementation. Please see the SMCWPPP FY 17-18 Annual Report for a summary of outreach efforts implemented at the countywide and/or regional level.

**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 of San Mateo 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 of San Mateo 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 17-18 review list.

**Summary of Planning or Implementation Status of Identified Projects:**

There are currently no SMCFCFCD identified projects.

**C.3.j.iii.(2) ▶ 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.

Please see the SMCWPPP FY 17-18 Annual Report for 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.

**C.3.j.iv.(2) ▶ 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.

Please see the SMCWPPP FY17-18 Annual Report for a summary of methods being developed to track and report implementation of green infrastructure measures.

**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 <sup>4</sup> , Street Address	Name of Developer	Project Phase No. <sup>5</sup>	Project Type & Description <sup>6</sup>	Project Watershed <sup>7</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>8</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>9</sup>	Total Pre- Project Impervious Surface Area <sup>10</sup> (ft <sup>2</sup> )	Total Post- Project Impervious Surface Area <sup>11</sup> (ft <sup>2</sup> )
No SMCFCD Regulated Projects.											

<sup>4</sup>Include cross streets

<sup>5</sup>If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

<sup>6</sup>Project 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.

<sup>7</sup>State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

<sup>8</sup>All impervious surfaces added to any area of the site that was previously existing pervious surface.

<sup>9</sup>All impervious surfaces added to any area of the site that was previously existing impervious surface.

<sup>10</sup>For redevelopment projects, state the pre-project impervious surface area.

<sup>11</sup>For redevelopment projects, state the post-project impervious surface area.

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  
(private projects)**

Project Name Project No.	Application Deemed Complete Date <sup>12</sup>	Application Final Approval Date <sup>13</sup>	Source Control Measures <sup>14</sup>	Site Design Measures <sup>15</sup>	Treatment Systems Approved <sup>16</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>17</sup>	Hydraulic Sizing Criteria <sup>18</sup>	Alternative Compliance Measures <sup>19/20</sup>	Alternative Certification <sup>21</sup>	HM Controls <sup>22/23</sup>
No SMCFCD Regulated Projects.										

<sup>12</sup>For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>13</sup>For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>14</sup>List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>15</sup>List 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.

<sup>16</sup>List 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.).

<sup>17</sup>List 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.

<sup>18</sup>See 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).

<sup>19</sup>For 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.

<sup>20</sup>For 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.

<sup>21</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>22</sup>If HM control is not required, state why not.

<sup>23</sup>If 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 <sup>24</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>25</sup>	Site Design Measures <sup>26</sup>	Treatment Systems Approved <sup>27</sup>	Operation & Maintenance Responsibility Mechanism <sup>28</sup>	Hydraulic Sizing Criteria <sup>29</sup>	Alternative Compliance Measures <sup>30/31</sup>	Alternative Certification <sup>32</sup>	HM Controls <sup>33/34</sup>
No SMCFCD Regulated Projects.										

<sup>24</sup>For public projects, enter the plans and specifications approval date.

<sup>25</sup>List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>26</sup>List 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.

<sup>27</sup>List 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.).

<sup>28</sup>List 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.

<sup>29</sup>See 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).

<sup>30</sup>For 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.

<sup>31</sup>For 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.

<sup>32</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>33</sup>If HM control is not required, state why not.

<sup>34</sup>If 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.h.v.(2). ► Table of Newly Installed<sup>35</sup> 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 <sup>36</sup> For Maintenance	Type of Treatment/HM Control(s)
No SMCFCD stormwater treatment systems.			

<sup>35</sup> "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

<sup>36</sup>State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2017 - June 30, 2018												
Project Name & No.	Permittee	Address	Application Submittal Date <sup>37</sup>	Status <sup>38</sup>	Description <sup>39</sup>	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category <sup>40</sup>	LID Treatment Reduction Credit Available <sup>41</sup>	List of LID Stormwater Treatment Systems <sup>42</sup>	List of Non-LID Stormwater Treatment Systems <sup>43</sup>
No SMCFCD Special Projects.												

<sup>37</sup>Date that a planning application for the Special Project was submitted.

<sup>38</sup> 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.

<sup>39</sup>Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

<sup>40</sup> For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

<sup>41</sup>For 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.

<sup>42</sup>: 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.

<sup>43</sup>List 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.

**Special Projects Narrative**  
N/A

**C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure**

Project Name and Location <sup>44</sup>	Project Description	Status <sup>45</sup>	GI Included? <sup>46</sup>	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement <sup>47</sup>
Please see County of San Mateo FY 17-18 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 Location <sup>48</sup>	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
No SMCFCFD planned or completed Green Infrastructure Projects.			

<sup>44</sup> List each public project that is going through your agency’s process for identifying projects with green infrastructure potential.

<sup>45</sup> Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

<sup>46</sup> 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.

<sup>47</sup> 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.

<sup>48</sup> 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

<b>Program Highlights and Evaluation</b> Highlight/summarize activities for reporting year:	N/A
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. 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.	

<b>C.4.b.iii ► Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)</b>	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.	

<b>C.4.d.iii.(2)(a) &amp; (c) ► Facility Inspections</b>	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 as one enforcement action.
<input type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.
	<b>Number</b>
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) <sup>49</sup>	Number of Enforcement Actions Taken
Level 1		
Level 2		
Level 3		
Level 4		
<b>Total</b>		

**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 <sup>50</sup>	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

Comments:

<sup>49</sup>Agencies to list specific enforcement actions as defined in their ERPs.

<sup>50</sup>List your Program's standard business categories.

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 SMCFCFD 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 SMCFCFD’s jurisdiction (i.e., flood control channels), SMCFCFD staff handles coordination of response, cleanup, and tracking. County Environmental Health (CEH) is notified when necessary. CEH operates an Emergency Response Haz Mat Team that works with local fire departments to ensure that all spills are investigated, monitored, and cleaned up appropriately. SMCFCFD staff did not receive any public calls or illicit discharge complaints related to direct discharges into SMCFCFD flood control facilities during this reporting period; however, SMCFCFD staff were involved in cleanup and response efforts (deployment of absorbent booms within the channel) related to an accidental oil spill that occurred in the unincorporated area of Broadmoor that ultimately entered the storm drain system and Colma Creek. The illicit discharge response (at the oil spill location), enforcement, tracking, and reporting were handled by CEH, DPW, and the Office of Sustainability. The discharge is reported in Section 5 of the County’s FY 17-18 Annual Report.

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

The SMCFCFD maintains a message board at Colma Creek just upstream from the confluence with the San Francisco Bay near the 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 SMCFCFD website - <https://publicworks.smcgov.org/flood-control-districts>

Please see the C.5 Illicit Discharge Detection and Elimination section of the SMCWPPP FY 17-18 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 17-18:

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)	
	<b>Number</b>
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: As mentioned above, SMCFCFD staff assisted with cleanup activities in response to an accidental oil spill in the unincorporated Broadmoor area. Reporting, enforcement, and tracking was handled by CEH, DPW, and OOS as detailed in the County's FY 17-18 Annual Report. There were no direct spill or discharge complaints <u>within</u> the SMCFCFD jurisdiction reported to the SMCFCFD.	

**Section 6 – Provision C.6 Construction Site Controls**

With the exception of SMCFCFCD flood control capital improvement projects involving construction, Section 6 is generally not applicable to the SMCFCFCD. During FY 17-18, there was no SMCFCFCD flood control capital improvement project construction.

C.6.e.iii.(3)(a), (b), (c), (d) ▶ Site/Inspection Totals			N/A
<b>Number of active Hillside Sites (sites disturbing &lt; 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.a)</b>	<b>Number of High Priority Sites (sites disturbing &lt; 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii. 3.c)</b>	<b>Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.3.b)</b>	<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)</b>
# N/A	# N/A	# N/A	# N/A
Comments:			

C.6.e.iii.(3)(e) ▶ Construction Related Storm Water Enforcement Actions		N/A
	<b>Enforcement Action (as listed in ERP)<sup>51</sup></b>	<b>Number Enforcement Actions Issued</b>
Level 1 <sup>52</sup>	N/A	
Level 2		
Level 3		
Level 4		
<b>Total</b>		

<sup>51</sup>Agencies should list the specific enforcement actions as defined in their ERPs.

<sup>52</sup>For example, Enforcement Level 1 may be Verbal Warning.

<b>C.6.e.iii.(3)(f), ► Illicit Discharges</b>		N/A
		<b>Number</b>
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

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

<b>C.6.e.iii.(4) ► Evaluation of Inspection Data</b>		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		

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

<b>C.6.f.iii ► Staff Training Summary</b>			
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
County of San Mateo Construction BMPs and Wildlife Avoidance Measures Training	Nov 1, 2017	<ul style="list-style-type: none"> <li>• Construction Stormwater BMPs</li> <li>• Sensitive Species and Avoidance Measures</li> <li>• Animex Wildlife Exclusion Fencing</li> </ul>	83 County staff 80 DPW/SMCFCD staff including 10

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**C.6 – Construction Site Controls**

		<ul style="list-style-type: none"> <li>BMPs and Erosion Control Supplies Display (Reed &amp; Graham)</li> </ul>	DPW/SMCFCD inspectors
Ertec Environmental Systems Presentation	Nov 16, 2017	<ul style="list-style-type: none"> <li>Presentation on Ertec erosion, sediment, and wildlife control systems</li> </ul>	11 DPW/SMCFCD staff including 3 DPW/SMCFCD inspectors
Qualified SWPPP Practitioner Training (WRECO)	Dec 12-14, 2017	<ul style="list-style-type: none"> <li>NPDES and CGP requirements</li> <li>Erosion and Sediment Processes and Control</li> <li>Mandated BMPs and Field Implementation</li> <li>Monitoring and Reporting</li> </ul>	3 DPW/SMCFCD inspectors
SMCWPPP Construction Site Stormwater Inspection Training for Municipal Inspectors	Mar 20, 2018	<ul style="list-style-type: none"> <li>Construction Site Regulations and BMPs</li> <li>Field demonstrations of inlet protection, sediment and erosion control</li> </ul>	18 County staff  13 DPW/SMCFCD staff including 8 DPW/SMCFCD inspectors
Roads Permit Training (Supervisors and Management)	May 15, 2018	<ul style="list-style-type: none"> <li>Environmental regulations (state and federal) and permit requirements</li> <li>Permitting workflow</li> <li>County maintenance standards</li> <li>Standard BMPs</li> <li>Lessons learned</li> </ul>	13 DPW/SMCFCD staff
Certified Inspector of Sediment and Erosion Control Training	May 17-18, 2018	<ul style="list-style-type: none"> <li>EPA Rules and Regulations</li> <li>Background of an Inspector</li> <li>Inspecting Best Management Practices</li> <li>Conducting Construction Site Inspections</li> </ul>	4 DPW/SMCFCD 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:

Please see Section 7 and Section 9 of the SMCWPPP FY 17-18 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

Please See Section 7 of the SMCWPPP FY 17-18 Annual Report for a description of public outreach and citizen involvement events activities conducted at the countywide level and the County's FY 17-18 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 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, 9/16/2017, 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.	66 volunteers removed approximately 6.7 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek.
Colma Creek Volunteer Day, 12/21/2017, 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.	8 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, 1/20/2018, 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.	27 volunteers (including students and parents from Buri Buri Elementary and Alta Loma Middle School), as well as SMCFCD staff and the County's restoration consultant planted approximately 1,000 native plants and removed approximately 0.8 cubic yards of trash

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**C.7 – Public Information and Outreach**

		and illegally dumped material along the banks of lower Colma Creek.
Colma Creek Earth Day Cleanup Event, 4/21/2018, Colma Creek in South San Francisco	Creek cleanup event coordinated by City of South San Francisco and County/SMCFCF staff. This event targeted the general public with focused messaging on litter reduction.	20 volunteers removed approximately 2.1 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek.
National River Cleanup Day, 5/19/2018, Colma Creek in South San Francisco	Creek cleanup event coordinated by City of South San Francisco and County/SMCFCF staff. This event targeted the general public with focused messaging on litter reduction.	15 volunteers removed approximately 2.4 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek.

**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:

Please see the C.7 Watershed Stewardship Collaborative Efforts section of SMCWPPP FY 17-18 Annual Report for a summary of activities conducted by SMCWPPP.

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 17-18 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 through the Colma Creek Flood Control Zone Citizens Advisory Committee and Technical Advisory Committee (TAC), including representatives from all municipalities located within the watershed, and also with the South San Francisco Community Preservation Task Force (CTPF). 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 17-18, new 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); and 2) Resilient by Design South San Francisco project - <http://www.resilientbayarea.org/resilient-south-city/>



SMCFCD is also involved with watershed collaborative efforts in the San Francisquito Creek watershed and Flood Control Zone. SMCFCD 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. SMCFCD staff attended monthly JPA meetings and provided input on watershed and flooding issues. SMCFCD 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 Flood Resilience Program (Program) was created in 2016 to address key areas that are outside of the County's active Flood Control zones but challenged by flood risks. The Program takes 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>

**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.

Please see the C.7 School-Age Children Outreach section of SMCWPPP FY 17-18 Annual Report for a summary of school-age children outreach conducted at the countywide Program level on behalf of the municipalities and SMCFCD.

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

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Colma Creek Volunteer Day, 1/20/2018, 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.	22 students, 1 teacher	27 volunteers (including students and parents from Buri Buri Elementary and Alta Loma Middle School), as well as SMCFCD staff and the County's restoration consultant planted approximately 1,000 native plants and removed approximately 0.8 cubic yards of

			<p>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 has requested that two events be scheduled for FY18-19.</p>
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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 Used <sup>53</sup>							
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount <sup>54</sup>						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	
<b>Organophosphates</b>	0	0	0	0	0	0	
Active Ingredient Chlorpyrifos	0	0	0	0	0	0	
Active Ingredient Diazinon	0	0	0	0	0	0	
Active Ingredient Malathion	0	0	0	0	0	0	
<b>Pyrethroids (see footnote #57 for list of active ingredients)</b>	0	0	0	0	0	0	
Active Ingredient Type X	0	0	0	0	0	0	
Active Ingredient Type Y	0	0	0	0	0	0	
<b>Carbamates</b>	0	0	0	0	0	0	
Active Ingredient Carbaryl	0	0	0	0	0	0	
Active Ingredient Aldicarb	0	0	0	0	0	0	
<b>Fipronil</b>	0	0	0	0	0	0	

<sup>53</sup>Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>54</sup>Weight 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.

<b>Indoxacarb</b>	Reporting not required in FY 15-16	0	0			
<b>Diuron</b>	Reporting not required in FY 15-16	0	0			
<b>Diamides</b>	Reporting not required in FY 15-16	0	0			
<b>Active Ingredient Chlorantraniliprole</b>		0	0			
<b>Active Ingredient Cyantraniliprole</b>		0	0			

**IPM Tactics and Strategies Used:**

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).

During FY 17 -18, the County continued to implement its IPM policy, as adopted July 24, 2012. The SMCFCD does not routinely apply pesticides at the County-maintained flood control facilities. The SMCFCD 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 17-18, no herbicide was used at the SMCFCD mitigation areas.

Additionally, as described above in Section C.2.c, the SMCFCD performed minor channel maintenance activities, including limited vegetation management during FY 17-18 as part of the Colma Creek Channel Maintenance Project. Vegetation management work included the removal of pampas grass in a targeted area adjacent to Colma Creek and removal of other weedy vegetation at pipe outlets and joints within the concrete-lined channel and banks in the upper reach of Colma Creek. Work was performed by a County contractor and the Town of Colma staff and contractor under the MOA with the SMCFCD for maintenance activities. The majority of vegetation maintenance involved the use of non-chemical strategies such as mechanical and hand removal. Small amounts of Roundup were used only where needed to treat invasive pampas grass root balls.

County and SMCFCD 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.

<b>C.9.b ▶ Train Municipal Employees</b>	
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	

<b>C.9.c ▶ Require Contractors to Implement IPM</b>			
Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	X	<b>Yes</b>	<b>No</b>
If yes, did your municipality evaluate the contractor’s list of pesticides and amounts of active ingredients used?	X	<b>Yes</b>	<b>No,</b>
<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 17-18 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.</p> <p>The SMCFCFD does not have any buildings or other facilities that require the use of structural pesticides.</p>			

<b>C.9.d ▶ Interface with County Agricultural Commissioners</b>			
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,	X	Yes	No

<p>If yes, summarize the communication. If no, explain.</p> <p>As mentioned above, County and SMCFCD 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 17-18 Annual Report for summary of SMCWPPP communication 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"/>	<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b>
<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); <b>OR</b> 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 17-18 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); <b>AND/OR</b> 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 17-18 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); <b>AND/OR</b> reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.</p>
<p>Summary:</p>

Please see the C.9 Pesticides Toxicity Controls section of SMCWPPP FY 17-18 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 17-18, 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.



**Section 10 - Provision C.10 Trash Load Reduction**

<b>C.10.a.i ► Trash Load Reduction Summary</b>	
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	
<b>Trash Load Reductions</b>	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to <b>Trash Full Capture Systems</b> (as reported C.10.b.i)	N/A
Percent Trash Reduction in all TMAs due to <b>Control Measures Other than Trash Full Capture Systems</b> (as reported in C.10.b.ii) <sup>55</sup>	N/A
Percent Trash Reduction due to <b>Jurisdictional-wide Source Control Actions</b> (as reported in C.10.b.iv)	N/A
<b>SubTotal for Above Actions</b>	N/A
<b>Trash Offsets (Optional)</b>	
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
<b>Total (Jurisdictional-wide) % Trash Load Reduction through FY 2017-18</b>	N/A
<b>Discussion of Trash Load Reduction Calculation:</b> N/A	

<sup>55</sup> See Appendix 10-1 for changes between 2009 and FY 17-18 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

**C.10.a.ii.b ► Trash Generation Area Management - Identification of Private Drainages >10,000 ft<sup>2</sup>**

State (Y/N) if your agency completed Permit Provision C.10.a.ii.b. If Yes, attach a map (or other record) or provide a website link to a map (or other record) of the location of lands >10,000 ft<sup>2</sup> (in Very High, High, and Moderate trash generation areas) that are plumbed directly to the Permittee's storm drain systems, including trash control status of these areas. If No, provide explanation of why the provision was not completed and the estimated date when the provision will be completed.

<b>Did your agency complete Permit Provision C.10.a.ii.b?</b>		Yes		No	X	NA
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**If No, provide explanation and estimated completion date:**  
  
N/A

**Description of the process used to identify applicable areas and their trash control status:**  
N/A

**URL link to Map:**  
N/A

**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 17-18, during FY 17-18, 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 17-18 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.

In March 2017 and April 2018, DPW authorized a consultant to begin work on Phase 1 and Phase 2 of a Trash Capture Feasibility Study (study) involving feasibility analysis and recommendations for a full trash capture device and upgrades to the Athlone Terrace Pump Station in the unincorporated North Fair Oak community (TMA 1) and feasibility and siting for additional full trash capture devices in TMAs 1, 2, 3, 4, and 5 in order to meet the remaining 11% reduction for the County by 2022. The draft report is currently in review, and the study will be finalized by November 2018. Proposed trash capture devices in TMA 3 would reduce trash loading in the Colma Creek watershed and Flood Control Zone.

Type of System	# of Systems	Areas Treated (Acres)
<b>Installed Prior to FY 17-18</b>		
Connector Pipe Screens (Public)	166	583.6*
<b>Installed in FY 17-18</b>		

None	-	-
<b>Total for all Systems Installed To-date</b>	<b>166</b>	<b>583.6*</b>
<b>Treatment Acreage Required by Permit (Population-based Permittees)</b>		<b>21</b>
<b>Total # of Systems Required by Permit (Non-population-based Permittees)</b>		<b>2</b>

\*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) Jurisdiction-wide trash reduction in FY 17-18 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 17-18 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 17-18	Summary of Maintenance Issues and Corrective Actions
All Applicable	N/A	166	0%	<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 17-18, 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&amp;M Program, DPW staff have been using the SMCWPPP field form template for logging inspection and maintenance, and the data are tracked electronically. During FY 17-18, DPW piloted use of an automated trash full capture device inspection process to allow for electronic field data collection using handheld devices and</p>

				<p>Collector for ArcGIS integrated with Survey 123. The program was successful and will be continued in FY 18-19.</p> <p>For FY 17-18, a total of 316 scheduled inspections were conducted at the 166 full trash capture device locations. Device maintenance was performed during 278 of the 316 inspections. None of the inspected devices (0%) were &gt;50% full or had plugged screens.</p> <p>In FY 15-16, it was reported that six devices located in TMA 5 were observed to be &gt;50% full primarily due to the accumulation of natural leaf litter and debris. The locations were flagged in the maintenance database and inspection and maintenance frequency was increased accordingly to ensure that accumulation levels did not exceed 50%.</p>
<p><b><i>Certification Statement:</i></b>          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>				

<b>C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART A)</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 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.		
<b>TMA</b>	<b>Summary of Trash Control Actions Other than Full Capture Systems</b>	
N/A		

**Summary of Trash Control Measures Other than Full Capture Devices:**

- **Street Sweeping:** Include a description of any enhancements or new actions implemented after the MRP 1.0 effective date (i.e., December 2009). Identify portions of the TMA where enhanced street sweeping (i.e., increased sweeping frequency) and parking enforcement above 2009 levels was implemented.
- **On-land Cleanup:** Include a description of on-land cleanup activities that began after the MRP 1.0 effective date (i.e., December 2009) and continued into FY 17-18, including any enhancements or new actions implemented in FY 17-18. Describe if these actions are Permittee or volunteer-led.
- **Partial Capture Devices:** Provide a description of devices installed after the MRP 1.0 effective date (i.e., December 2009). Describe the level of maintenance conducted per device types.
- **Storm Drain Inlet Cleaning:** Describe storm drain inlet maintenance activities implemented after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 17-18, including any enhancements or new maintenance activities implemented in FY 17-18. For new/enhanced actions, include the number of inlets where enhanced maintenance occurred, and the increased frequency of maintenance.
- **Uncovered Loads:** Describe activities designed to reduce trash from uncovered loads that began after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 17-18, including any enhancements or new actions implemented in FY 17-18. Describe the types of actions implemented including new or redirected enforcement efforts to increase the focus towards new or enhanced actions.
- **Anti-littering and illegal dumping enforcement activities:** Describe anti-littering and illegal dumping enforcement activities began after to the MRP 1.0 effective date (i.e., December 2009) and continued in FY 17-18, and any enhancements or new actions implemented in FY 17-18. Include any new or redirected enforcement efforts to increase the focus towards new or enhanced actions. Describe the number of citations or other correction actions accomplished this year, and compare with previous years. Indicate how anti-littering and illegal dumping enforcement records are kept, and how they may be retrieved for audit.
- **Improved Trash Bin/Container Management:** Describe activities designed to improve trash bin/container management that began after the MRP1.0 effective date (i.e., December 2009) and continued in FY 17-18, and any enhancements or new actions implemented in FY 17-18. Include any new or redirected efforts to increase the focus towards these new or enhanced actions.
- **Other Types of Actions:** Describe activities designed after the MRP effective date (i.e., December 2009) and continued in FY 17-18, and any enhancements or new (post December 2009 effective date) actions implemented in FY 17-18.

**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 17-18 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 <sup>56</sup> or Acres Available for Assessment	Summary of On-land Visual Assessments <sup>57</sup>			Jurisdictional-wide Reduction (%)
		Street Miles or Acres Assessed	% of Available Street Miles or Acres Assessed	Avg. # of Assessments Conducted at Each Site <sup>58, 59</sup>	
N/A					

<sup>56</sup> Street miles are defined as the street lengths and do not include curbs associated with medians.

<sup>57</sup> Assessments conducted between July 2016 and July 2018 are assumed to be representative of trash levels in FY 17-18 and were therefore used to calculate the jurisdictional-wide reductions reported in this section.

<sup>58</sup> Each assessment site is roughly 1,000 feet in length.

<sup>59</sup> Based on analyses conducted as part of the BASMAA *Tracking California's Trash* project (BASMAA 2017) funded by the State Water Resources Control Board, the optimal number of assessment events to detect an improvement from baseline trash levels at a site is between 4 and 6 per site.



**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"> <li>• 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 cleanup events utilizing work force from the Sherriff’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 47 cubic yards of trash and debris.</li> <li>• 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 13.6 cubic yards of trash and debris.</li> <li>• 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.</li> <li>• Conducted San Francisquito Creek Flood Control Zone annual creek walk with the JPA, identified priority locations for Coastal Cleanup Day, and assisted with coordination.</li> <li>• 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.</li> <li>• 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.</li> <li>• 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</li> </ul>				

**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.

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.

- SMCFCFD has been an active participant in the ReThink Disposable project, a non-regulatory research and outreach project aimed at identifying and implementing BMPs for reducing disposable products and packaging in take-out food businesses, since it began. During the grant-funded phases of the project, litter and business audits were conducted in areas of unincorporated San Mateo County and areas draining to SMCFCFD zones. Currently, the County (effort now led by the OOS) and Clean Water Action has partnered together for a one year pilot project to conduct outreach to businesses to identify and implement waste reduction practices. During this one-year pilot project, up to 50 food businesses and institutions will be reached with source reduction messaging, with the goal that seven to ten businesses will sign-up, and three to six businesses will complete certification with measurable impacts reported in final reports.
- 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 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 17-18, four locations within the lower reach of the Colma Creek Flood Control Channel 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 17-18 Annual Report for additional trash control measures that were implemented by the County and Sections 7 and 10 of the SMCWPPP FY 17-18 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.

In FY 17-18, the County began implementing the BASMAA regional 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 in San Mateo County. Implementation occurred through the County’s participation in the SMCWPPP. Additional information on accomplishments in FY 17-18 can be found in the Trash Receiving Water Monitoring Progress Report included in the SMCWPPP FY 17-18 Annual Report.

**C.10.c ► Trash Hot Spot Cleanups**

Provide the FY 17-18 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 17-18.

Trash Hot Spot	New Site in FY 17-18 (Y/N)	FY 17-18 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
SCF01	N	9/16/2017	0.3	0.5	0.2	0.5	0.6
SCF02	N	12/21/2017	1.3	2.7	0.6	2.5	2.2

**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 17-18. 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 17-18	Offset (% Jurisdiction-wide Reduction)
<b>Additional Creek and Shoreline Cleanups (Max 10% Offset)</b>	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 cleanups per year utilizing work force from the SWP. For FY17-18, 13 SWP cleanups were conducted resulting in removal of approximately 47 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 7 cubic yards of litter and illegally dumped material.	N/A	N/A
<b>Direct Trash Discharge Controls (Max 15% Offset)</b>	N/A	N/A	N/A

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 17-18. – N/A

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 17-18 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 17-18 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		
<b>Totals</b>																		

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 2017-18 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 Methodology<sup>60</sup> 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 2017-18 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 SMCFCFCD 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 2017-18 Annual Report.

<sup>60</sup>BASMAA 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 2017-18 Annual Report for:

- Documentation of PCBs 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 Methodology<sup>61</sup> was used to calculate the PCBs load reduced by each control measure implemented in our agency's jurisdictional area 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 2017-18 Annual Report for information on the quantitative relationship between green infrastructure implementation and PCBs 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.12.e ► Evaluate PCBs Presence in Caulks/Sealants Used in Storm Drain or Roadway Infrastructure in Public Rights-of-Way**

A summary of countywide and regional accomplishments for this sub-provision is included in the SMCWPPP FY 2017-18 Annual Report.

<sup>61</sup>BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.0. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2016.



**C.12.f ▶ Manage PCB-Containing Materials and Wastes During Building Demolition Activities So That PCBs Do Not Enter Municipal Storm Drains**

A summary of countywide and regional accomplishments for this sub-provision is included in the C.12 PCBs Controls section of the SMCWPPP FY 2017-18 Annual Report.

Does your agency plan to seek exemption from this requirement?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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**C.12.g. ▶ Fate and Transport Study of PCBs: Urban Runoff Impact on San Francisco Bay Margins**

A summary of countywide and regional accomplishments for this sub-provision are included in the SMCWPPP FY 2017-18 Annual Report.

**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 2017-18 Annual Report.

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 17-18 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 17-18 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 17-18 Annual Report.

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>.

Please see Sections C.3 New Development and Redevelopment, C.7. Public Information and Outreach, and C.9. Pesticide Toxicity Control sections of the SMCWPPP and County FY 2017-18 Annual Reports for more details on outreach efforts at the countywide and/or regional level to promote BMPs related to water conservation, less toxic pest control, and landscape management.