



August 17, 2011

Ms. Pamela Creedon, Executive Officer
California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive, #200
Rancho Cordova, California 95670-6114

Dear Ms. Creedon:

Enclosed is the 2010-2011 Annual Report for the Contra Costa County Flood Control & Water Conservation District, which is required by and in accordance with Provision C.16 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board and by Provision D.5 in NPDES Permit Number CA0083313 issued by the Central Valley Regional Water Quality Control Board. Please note that the provisions of the permit are numerated in the Annual Report in accordance with NPDES Permit Number CAS612008 (issued by the San Francisco Bay Regional Water Quality Control Board), which has more stringent requirements than NPDES Permit Number CA0083313 (issued by the Central Valley Regional Water Quality Control Board).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering 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 possibly of fine and imprisonment for knowing violations.

As a point of clarification, compliance for both the Contra Costa County (CCC) and Contra Costa County Flood Control and Water Conservation District (FCD) NPDES permits are administered by the CCC Public Works Department (PWD) and more specifically by the County Watershed Program (CWP) which is located in the PWD. Many other departments within CCC work on NPDES compliance issues, most notably the Department of Conservation and Development (DCD), and our Health Services Department which includes Environmental Health Division and Hazardous Materials Program.

Should you have any questions, please contact Rich Lierly, County Watershed Program Manager, at (925) 313-2348 or at rlier@pw.cccounty.us.

Sincerely,



Julia R. Bueren
Chief Engineer

JB:RL:lz

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Enclosure

C: Mitch Avalon, Administration
Rich Lierly, County Watershed Program
Paul Detjens, Flood Control

August 17, 2011

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

Dear Mr. Wolfe:

Enclosed is the 2010-2011 Annual Report for the Contra Costa County Flood Control & Water Conservation District, which is required by and in accordance with Provision C.16 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board and by Provision D.5 in NPDES Permit Number CA0083313 issued by the Central Valley Regional Water Quality Control Board.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering 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 possibly of fine and imprisonment for knowing violations.

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Should you have any questions, please contact Rich Lierly, County Watershed Program Manager, at (925) 313-2348 or at rlier@pw.cccounty.us.

Sincerely,



for
Julia R. Bueren
Chief Engineer

JB:RL:lz

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Enclosure

c: Mitch Avalon, Administration
Rich Lierly, County Watershed Program
Paul Detjens, Flood Control

PY 2010-2011 Annual Report

Permittee Name: Contra Costa County Flood Control & Water Conservation District

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Permittee Name: Contra Costa County Flood Control and Water Conservation District

Section 1 – Permittee Information

Background Information			
Permittee Name:	Contra Costa County Flood Control and Water Conservation District		
Population:	N/A		
NPDES Permit No.:	CAS612008 (San Francisco Bay RWQCB Permit) and/or CA00883313 (Central Valley RWQCB Permit)		
Order Number:	R2-2009-0074 (San Francisco Bay RWQCB) and/or R5-2010-0102 (Central Valley RWQCB)		
Reporting Time Period (month/year):	July / 2010 through June / 2011		
Name of the Responsible Authority:	Julia Bueren	Title:	Chief Engineer
Mailing Address:	255 Glacier Drive		
City:	Martinez	Zip Code:	94553
		County:	Contra Costa
Telephone Number:	(925) 313-2000	Fax Number:	(925) 313-2333
E-mail Address:	jbuer@pw.cccounty.us		
Name of the Designated Stormwater Management Program Contact (if different from above):	Rich Lierly	Title:	Senior Civil Engineer/ Stormwater Manager
Department:	Public Works		
Mailing Address:	Same as above		
City:		Zip Code:	
		County:	
Telephone Number:	925-313-2348	Fax Number:	(925) 313-2333
E-mail Address:	rlrier@pw.cccounty.us		

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

Refer to the C.2 Municipal Operations section of the countywide Program's PY 10-11 Annual Report for a description of activities implemented at the countywide and/or regional level.

Additionally, County Watershed Program (CWP) staff met with Public Works Department (PWD) Maintenance Division Flood Control Crews throughout PY 2010-11 to ensure implementation of stormwater protection during municipal maintenance activities within flood control facilities. Also this year, Contra Costa County (CCC) on behalf of the Flood Control District (FCD) negotiated a new Routine Maintenance Agreement (RMA) with the California Department of Fish and Game for flood control activities within waterways, including sediment removal, vegetation management, and bank stabilization. The RMA means that maintenance activities are exempt from CEQA, but still have specific management requirements, including preparation of semi-annual notification reports; limits on heavy equipment usage; measures to protect fish and wildlife resources; and minimize disruptions to habitat.

In general clean water activities related to FCD include drainage maintenance, ditch/basin cleaning, silt removal, concrete channel cleaning, flushing culverts, and graffiti removal. The RMA has a lot of control measures that will help protect water quality during vegetation management, when using cementitious materials, and when deploying erosion control BMPs. Note because the RMA was not approved until May 2010, crews were not able to perform many activities except for manual work and as a result volumes of removal being reported this year (also see C.10) are historically lower compared to previous reporting years.

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

Place an **X** in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of these BMPs were not adequately implemented during the reporting fiscal year then indicate so and provide explanation in the comments section below:

x	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
x	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.
x	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

Comments:

All clean-water BMPs are used, particularly when working in concrete-lined flood control facilities. Flood control only performs maintenance in drainage facilities, including grouted rock slope protection and concrete-lined channels.

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

Place an **X** in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of these BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:

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
<p>Comments: County Public Works Maintenance Flood Control crews use dry clean-up methods only, including street sweeping, manual sweeping and wiping with rags. No washing activities are carried out.</p>	

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

Place an **X** in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of these BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:

X	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
X	Control of discharges from graffiti removal activities
X	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
X	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
n/a	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
<p>Comments: All graffiti removal activities are conducted with paint from a spray truck when flows are within the low-flow channel to prevent any over-spray from entering the water. No surface cleaning is performed. All structural maintenance activities are conducted in-house by County Flood Control maintenance crews. Contracted work on bridge decks and structures is handled by Public Works Dept. Design Division. See CCC Annual Report for detail on contract specifications related to waste capture and disposal conforming to CalTrans Standard Specifications. All waste generated from these activities are taken to the County Central Waterbird Way Corp. Yard's hazardous waste storage area and properly disposed of by a</p>	

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C.2 – Municipal Operations

Permittee Name: Contra Costa County Flood Control and Water Conservation District

hazardous waste management contractor.

On March 21, 2011 PWD Maintenance staff including Flood Control Crews attended the First Responder Operations 4 hour Refresher training which included segments on hazardous substance handling and Corporation Yard Stormwater Pollution Prevention Plans (SWPPPs). The training was attended by 59 Maintenance workers including Flood Control crews.

C.2.d. ► Stormwater Pump Stations

Does your municipality own stormwater pump stations: **Yes** **No (See CCC report)**

If your answer is **No** then skip to **C.2.e.**

Complete the following table for dry weather DO monitoring and inspection data for pump stations¹ (add more rows for additional pump stations):

Pump Station Name and Location	First inspection Dry Weather DO Data		Second inspection Dry Weather DO Data	
	Date	mg/L	Date	mg/L

Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions:

Summary:

Attachments:

¹ Pump stations that pump stormwater into stormwater collection systems or infiltrate into a dry creek immediately downstream are exempt from DO monitoring.

Permittee Name: Contra Costa County Flood Control and Water Conservation District

Complete the following table for wet weather inspection data for pump stations (add more rows for additional pump stations):

Pump Station Name and Location	Date (2x/year required)	Presence of Trash (Cubic Yards)	Presence of Odor (Yes or No)	Presence of Color (Yes or No)	Presence of Turbidity (Yes or No)	Presence of Floating Hydrocarbons (Yes or No)

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.2.e. ► Rural Public Works Construction and Maintenance			
Does your municipality own/maintain rural ² roads:		<input type="checkbox"/>	Yes
		<input checked="" type="checkbox"/>	No
If your answer is No then skip to C.2.f.			
Place an X in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
<input type="checkbox"/>	Control of 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:			

² 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.

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.2.f. ► Corporation Yard BMP Implementation

Place an **X** in the boxes below that apply to your corporations yard(s):

<input checked="" type="checkbox"/>	We do not have a corporation yard
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
<input type="checkbox"/>	We have a current Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)

Place an **X** in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:

<input type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
<input type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
<input type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method
<input type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used
<input type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants

Comments:

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	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions

Section 3 - Provision C.3 Reporting New Development and Redevelopment

C.3.a. ► New Development and Redevelopment Performance Standard Implementation Summary Report

(For PY 10-11 Annual Report only) Provide a brief summary of the methods of implementation of Provisions C.3.a.i.(1)-(8).

Summary:

The legal authority of the Contra Costa County Flood Control and Water Conservation District (FCD) is limited to property owned by the FCD. Any development projects on property owned by the FCD would either be conducted by the FCD, or would be authorized by a permit issued by the FCD. The FCD would have the legal authority to ensure that projects comply with C.3 requirements in either of these situations.

Since the FCD is housed within and staffed by Contra Costa County (CCC), review procedures would be generally identical to those employed by the PWD. Requirements would be enshrined in the conditions of permits.

Environmental review documents for FCD projects include a Water Quality and Hydrology section, in which C.3 requirements are addressed.

Since FCD is staffed by CCC, FCD has access to the same training opportunities as CCC staff.

C.3.b. ► Green Streets Status Report

(All projects to be completed by December 1, 2014)

On an annual basis (if applicable), report on the status of any pilot green street projects within your jurisdiction. For each completed project, report the capital costs, operation and maintenance costs, legal and procedural arrangements in place to address operation and maintenance and its associated costs, and the sustainable landscape measures incorporated in the project including, if relevant, the score from the Bay-Friendly Landscape Scorecard.

Summary:

No green streets projects are being developed by the FCD.

C.3.b.v.(1) ► Regulated Projects Reporting Table

Fill in attached table **C.3.b.v.(1)** or attach your own table including the same information.

No C.3 Regulated Projects have been approved or undertaken by the FCD thus far.

C.3.c. Low Impact Development Reporting

FCD consider integrating Low Impact Development (LID) elements into its projects. Since these projects serve (i.e., provide flood control benefits to) property located within other Permittees' jurisdiction, there may exist opportunities for FCD projects to provide treatment for projects located within other Permittees' jurisdictions, subject to funding to construct, operate and maintain those LID facilities.

C.3.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

(1) Fill in attached table **C.3.h.iv.(1)** or attach your own table including the same information.

N/A

(2) On an annual basis, 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:

N/A

(3) On an annual basis, 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:

N/A

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

Project Name Project No.	Project Location ³ , Street Address	Name of Developer	Project Phase No. ⁴	Project Type & Description ⁵	Project Watershed ⁶	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²)	Total Replaced Impervious Surface Area (ft ²)	Total Pre- Project Impervious Surface Area ⁷ (ft ²)	Total Post- Project Impervious Surface Area ⁸ (ft ²)
Private Projects											
N/A											
Public Projects											
N/A											
Comments: No projects during PY2010-11.											

³ Include cross streets

⁴ 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".

⁵ 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.

⁶ State the watershed(s) in which the Regulated Project is located. Optional but recommended: Also state the downstream watershed(s)

⁷ For redevelopment projects, state the pre-project impervious surface area.

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

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

Project Name Project No.	Application Deemed Complete Date ⁹	Application Final Approval Date ⁹	Source Control Measures ¹⁰	Site Design Measures ¹¹	Treatment Systems Approved ¹²	Operation & Maintenance Responsibility Mechanism ¹³	Hydraulic Sizing Criteria ¹⁴	Alternative Compliance Measures ^{15/16}	Alternative Certification ¹⁷	HM Controls ^{18/19}
Private Projects										
N/A										
Comments: No projects during PY2010-11.										

⁹ For private projects, state project application deemed complete date and final discretionary approval date.

¹⁰ 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.

¹¹ 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.

¹² 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.).

¹³ 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.

¹⁴ 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).

¹⁵ 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.

¹⁶ 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.

¹⁷ Note whether a third party was used to certify the project design complies with Provision C.3.d.

¹⁸ If HM control is not required, state why not.

¹⁹ 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).

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

Project Name Project No.	Is Funding Committed? ²⁰	Date Construction Scheduled to Begin ²⁰	Source Control Measures ²¹	Site Design Measures ²²	Treatment Systems Approved ²³	Operation & Maintenance Responsibility Mechanism ²⁴	Hydraulic Sizing Criteria ²⁵	Alternative Compliance Measures ^{26/27}	Alternative Certification ²⁸	HM Controls ^{29/30}
Public Projects										
N/A										
Comments: No projects during PY2010-11.										

²⁰ For public projects, enter “Yes” or “No” under “Is Funding Committed?” and enter a date under “Date Construction Scheduled to Begin”.

²¹ 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.

²² 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.

²³ 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.).

²⁴ 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.

²⁵ 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).

²⁶ 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.

²⁷ 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.

²⁸ Note whether a third party was used to certify the project design complies with Provision C.3.d.

²⁹ If HM control is not required, state why not.

³⁰ 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).

C.3.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

Fill in table below or attach your own table including the same information.
 No projects have been developed on FCD-owned property that have been required to implement stormwater treatment systems pursuant to C.3 requirements.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³¹	Party Responsible ³² For Maintenance	Date of Inspection	Type of Inspection ³³	Type of Treatment/HM Control(s) Inspected ³⁴	Inspection Findings or Results ³⁵	Enforcement Action Taken ³⁶	Comments
N/A									

³¹ Indicate “YES” if the facility was installed within the reporting period, or “NO” if installed during a previous fiscal year.

³² State the responsible operator for installed stormwater treatment systems and HM controls.

³³ State the type of inspection (e.g., 45-day, routine, follow-up, etc.).

³⁴ State the type(s) of treatment systems inspected (e.g., bioretention facility, flow-through planter, infiltration basin, etc...) and the type(s) of HM controls inspected, and indicate whether the treatment system is an onsite, joint, or offsite system.

³⁵ State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

³⁶ State the enforcement action(s) taken, if any, as appropriate and consistent with your municipality’s Enforcement Response Plan.

Section 4 – Provision C.4 Industrial and Commercial Site Controls

Program Highlights

Provide background information, highlights, trends, etc.

As a non-population based entity, with no commercial or industrial facilities in its jurisdiction, the Flood Control and Water Conservation District (FCD) C.4 inspection program activities do not apply to the FCD. Refer to the C.4. Industrial and Commercial Site Controls section of the Program's PY 10-11 Annual Report for a description of activities of the countywide program and/or the BASMAA Municipal Operations Committee.

C.4.b.i. ► Business Inspection Plan

Do you have a Business Inspection Plan?

Yes

N/A

No

If No, explain:

C.4.b.iii.(1) ► Potential Facilities List

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.

N/A

C.4.b.iii.(2) ► Facilities Scheduled for Inspection

List below or attach your list of facilities scheduled for inspection during the current fiscal year.

N/A

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.4.c.iii.(1) ► Facility Inspections

Fill out the following table or attach a summary of the following information. Indicate your violation reporting methodology below.

	N/A	Permittee reports multiple violations on a site as one violation.
	N/A	Permittee reports the total number of discrete violations on each site.

	Number	Percent
Number of businesses inspected (if known)		
Total number of inspections conducted		
Number of violations (excluding verbal warnings)		
Sites inspected in violation		
Violations ³⁷ resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner		
Comments:		

C.4.c.iii.(2) ► Frequency and Types/Categories of Violations Observed

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

Type/Category of Violations Observed	Number of Violations
Actual discharge (e.g. active non-stormwater discharge or clear evidence of a recent discharge)	
Potential discharge and other	
Comments:	

³⁷ Total number of violations equals the number of initial enforcement actions (i.e. one violation issued for several problems during an inspection at a site). It does not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

C.4.c.iii.(2) ► Frequency and Type of Enforcement Conducted

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

	Enforcement Action (as listed in ERP) ³⁸	Number of Enforcement Actions Taken	% of Enforcement Actions Taken³⁹
Level 1			
Level 2			
Level 3			
Level 4			
Total			

C.4.c.iii.(3) ► Types of Violations Noted by Business Category

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

Business Category⁴⁰	Number of Actual Discharge Violations	Number of Potential Discharge Violations

³⁸ Agencies to list specific enforcement actions as defined in their ERPs.

³⁹ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁴⁰ List your Program's standard business categories.

C.4.c.iii.(4) ▶ Non-Filers

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.d.iii ▶ Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance

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

Program Highlights

Provide background information, highlights, trends, etc.

This PY 2010-11 County Watershed Program (CWP) continued to work with Flood Control Maintenance staff to better coordinate our response and referrals of illicit discharge complaints while further developing the County's Illicit Discharge Detection and Elimination (IDDE) program. The Flood Control District (FCD) continues to work towards resolution for several ongoing illicit discharge situations, many involving areas controlled by co-Permittees (i.e. cities) including:

- Illegal dumping incidents originating in adjacent Cities where source control has to come from the City enacting their municipal ordinances and Enforcement Response Plans (ERP) since as a non-population based entity the FCD has no legal recourse. (The exception to this is when discharges originate in the unincorporated County where the CWP can enforce their 1014 Stormwater Code on behalf of FCD.)
- Vandalism of flood control facilities including exclusionary fencing allowing trespassing of vagrants whom are often the source of illicit discharges directly to flood control waterways.
- Homeless encampments under bridges not being cleaned up in a timely manner due to resource limitations by Cities and their obstinacy in accepting the FCD's stance that jurisdiction under bridges is not the responsibility of the FCD but the owner of the overlying roadway.
- Lack of cooperation enclosing a portion of EBRPD's Wildcat trail at Verde Ave which is intended to keep trespassers from vandalizing the upstream fish ladder with graffiti and depositing spent spray cans directly into the Creek.
- Continued illicit discharges into flood control facilities by adjacent apartment residents particularly in Pine & Gallindo Creeks, Concord and Bay Point Carquinez Drainages, who use the concrete lined flood control channels as their dumping ground despite ongoing efforts at exclusionary devices, signage, outreach letters.
- Liability issues with unmaintained drainages in the County such as Willow Creek, Bay Point; this creek is owned to the center line by adjacent property owners but experiences illegal dumping into it over fences. Concerns with localized flooding and FCD being held responsible even though they have no ownership or maintenance authority with the creek; FCD is proactive in mailing a reminder to all residents on each side of the creek each Fall prior to the rainy season reminding them to remove debris and keep their creek free of non-stormwater illicit discharges to prevent flooding.
- Worked with CWP for enforcement of the County's Drainage Ordinance 1010 for large blocking issues or streambed alterations which often result in downstream scouring and erosion.

Refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program's PY 10-11 Annual Report for description of activities at the countywide or regional level.

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

List below or attach your complaint and spill response phone number and spill contact list.

Contact	Description	Phone Number
See Attachment C.5.c.iii 2010-11 Spill Contact List		

C.5.d.iii ► Evaluation of Mobile Business Program

Describe implementation of minimum standards and BMPs for mobile businesses and your enforcement strategy. This may include participation in the BASMAA Mobile Surface Cleaners regional program or local activities.

Description:
 Because the Contra Costa County Flood Control and Water Conservation District is a non-population-based entity they do not have a business community to outreach to. All maintenance is performed in-house by PWD Maintenance Division Flood Control Crews; no work is contracted out to mobile businesses. For unincorporated areas of the County that their flood control facilities run through, CWP's mobile business program applies.

County stormwater inspectors educate food service facility and other commercial business owners/operators in stormwater pollution prevention BMPs including hiring pressure washing companies that are BASMAA certified, or Central Contra Costa Sanitary District's (CCCSD) Mobile Surface Washing-Permitted, in order to ensure no wastewater from mobile cleaning operations is being discharged to the County's stormdrain system.

CWP continues to host a webpage dedicated to educating the public about hiring mobile surface washers that follow high environmental standards in their operations including proper permitting and disposal of wastewater. Businesses found to be out of compliance in protecting the County's stormwater system from illicit discharges are subject to the enforcement action of escalating severity as prescribed in the County's Enforcement Response Plan.

For drainage areas with FCD infrastructure located within Cities, please refer to their individual Annual Reports or refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program's PY 10-11 Annual Report for a description of efforts by countywide committees/work group and the BASMAA Municipal Operations Committee to address mobile businesses.

C.5.e.iii ► Evaluation of Collection System Screening Program

Provide a summary or attach a summary of your collection screening program, a summary of problems found during collection system screening and any changes to the screening program this PY.

Description:

Because this permit requirement is determined by suburban and urban land use, and the FCD's only land-use classification is ' 79' which applies to state, local, and public agencies, screening points defined under this requirement cannot be determined for FCD facilities. Additionally, as a non-population based entity the Contra Costa County Flood Control and Water Conservation District does not have a 'population' to enforce against towards source control. If IDs are found entering FCD property, referrals are made to the adjacent Cities or the County to activate their Illicit Discharge Detection and Elimination program, enforce their Stormwater Management and Discharge Control Ordinance and activate their Enforcement Response Plan. Refer to CCC's Annual Report for more detail of the County's MS4 collection screening program.

However, County Flood Control Maintenance crews continually inspect their flood control facilities for issues including illegal dumping from adjacent municipalities and homeless encampments. FCD routinely performs inspections of various stormdrain system screening points particularly prior to and during the rainy season. Flood Control crews survey and maintain over 70 miles of flood control facilities and record their inspection and maintenance activities while in the field on a County NPDES Drainage Screening form which was updated this PY 2010-11 to include separate fields for entering volumes of trash, sediment and vegetation removed. See Attachment C.5.e.iii FCD 2010-11. Information for each drainage areas' facilities being inspected/cleaned is compiled in the field and entered into the MaintStar work activity tracking system from which queries are run to acquire data for this Annual Report.

C.5.f.iii.(1), (2), (3) ► Spill and Discharge Complaint Tracking

Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)

	Number	Percentage
Discharges reported (C.5.f.iii.(1))	29	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	25	86.21%
Discharges resolved in a timely manner (C.5.f.iii.(3))	14	48.28%

Comments:

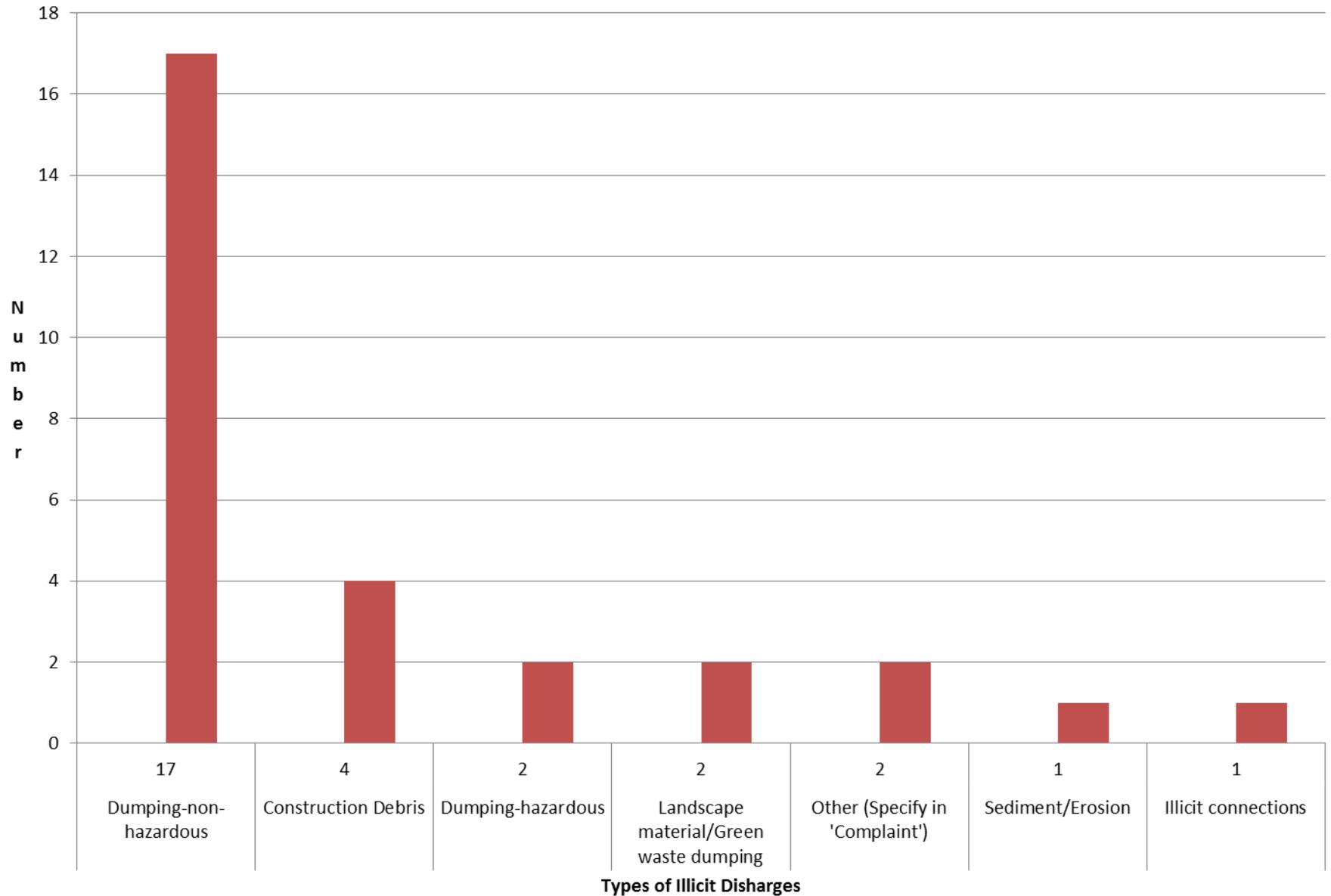
The high rate of discharge to storm drains/receiving waterways is due to the fact that the FCD owns facilities that convey surface water to protect urban areas from flood risk. As a result most of the discharges affecting FCD's jurisdiction will impact receiving waters. The low rate of resolution of discharges in a timely manner is largely due to the fact that the majority of flood control facilities are within Cities. This means FCD is at the mercy of the adjacent jurisdiction to follow-up on FCD's discharge referrals and enact their ordinance/ERP for source control. Also the types of discharges to FCD property involve large blocking items like appliances, cars, mattresses which cannot be manually removed. Flood Control Maintenance Crews periodically schedule heavy equipment including a boom truck to recover several months' worth of large debris dumps over several days.

C.5.f.iii.(4) ► Summary of major types of discharges and complaints

Provide a narrative or attach a table and/or graph.

Major Types of Discharges	#	%
Dumping-non-hazardous	17	59%
Construction Debris	4	14%
Dumping-hazardous	2	7%
Landscape material/ Green waste dumping	2	7%
Other (Specify in 'Complaint')	2	7%
Sediment/Erosion	1	3%
Illicit connections	1	3%
Total	29	100%

FCD Illicit Discharges in Permit Year 2010/11



Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals		
Number of sites disturbing < 1 acre of soil requiring storm water runoff quality inspection (i.e. High Priority) (C.6.e.iii.1.a)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)	Total number of storm water runoff quality inspections conducted (C.6.e.iii.1.c)
#	#	#
1	1	11
<p>Comments:</p> <p>The reason that the number of inspections above does not reflect a minimum of one inspection per month per project through the duration of the rainy season since projects is that one of the projects (the High Priority project) was completed and disturbed areas were adequately stabilized with established vegetation in November 2010.</p>		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations⁴¹	% of Total Violations⁴²
Erosion Control	0	N/A
Run-on and Run-off Control	0	N/A
Sediment Control	0	N/A
Active Treatment Systems	0	N/A
Good Site Management	0	N/A
Non Stormwater Management	0	N/A
Total	0	N/A

⁴¹ Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category.

⁴² Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.6.e.iii.1.e ► Construction Related Storm Water Enforcement Actions

	Enforcement Action (as listed in ERP) ⁴³	Number Enforcement Actions Taken	% Enforcement Actions Taken ⁴⁴
Level 1	Written Warning Notice	0	N/A
Level 2	Notice of Violation / Notice to Comply	0	N/A
Level 3	Administrative Penalties (fines, stop work order, etc.) / Cost Recovery	0	N/A
Level 4	Legal Action and/or Referral to State and Federal Agencies	0	N/A
Total		0	N/A

C.6.e.iii.1.f, g ► Illicit Discharges

	Number
Number of illicit discharges, actual and those inferred through evidence (C.6.e.iii.1.f)	0
Number of sites with discharges, actual and those inferred through evidence (C.6.e.iii.1.g)	0

C.6.e.iii.1.h, i ► Violation Correction Times

	Number	Percent
Violations fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	0	N/A ⁴⁵
Violations not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	N/A ⁴⁶
Total number of violations for the reporting year⁴⁷	0	N/A%

Comments:

No violations were observed or inferred in FCD projects.

⁴³ Agencies should list the specific enforcement actions as defined in their ERPs.

⁴⁴ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁴⁵ Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.

⁴⁶ Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.

⁴⁷ Total number of violations equals the number of initial enforcement actions (i.e. one violation issued for several problems during an inspection at a site). It does not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

C.6.e.iii.(2) ► Evaluation of Inspection Data

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:
 Since so few projects are undertaken on FCD property (with no projects during PY2009-10), it is difficult to attempt to discern trends. However, implementation of new electronic inspection forms and tracking (in conjunction with CCC's implementation of analogous programs) has improved the FCD's inspection and follow-up procedures.

C.6.e.iii.(2) ► Evaluation of Inspection Program Effectiveness

Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.

Description:

Very few projects are undertaken by the FCD or on FCD property by private parties; fortunately, FCD utilizes CCC's relatively-experienced inspectors, and benefits from training provided to those inspectors. In addition to training provided during PY 2010-11 (see C.6.f Training Table), it is anticipated that 100% inspectors (and many appurtenant staff) will receive training during PY 2011-12 (per training schedules).

Implementation of new electronic forms has improved both the inspection process (for construction site stormwater management) and the tracking/reporting procedure. Many lessons have been learned during the first year of implementing these forms, and further improvement is anticipated as the procedures are optimized in response to lessons learned. Overall procedures for ensuring that projects comply with C.6 (i.e. inspections, follow-up, etc.) were reviewed in association with deployment of the new forms, which assured that the new forms and related processes met and exceeded requirements.

It should be noted that a CCC/FCD staff member attends/represents CCC/FCD on both the Contra Costa Clean Water Program's and BASMAA's Development Committees (and related work groups), and that this helps to highlight and clarify issues related to C.6 compliance for flood control districts.

Due to the fact that FCD projects (conducted by the FCD or private parties) are located in areas where runoff (and any pollutants therein) readily enter storm drain infrastructure and creeks, the FCD is relatively likely to deem projects as High Priority even if they do not disturb an acre of land.

Please refer to the C.6 Construction Site Control section of the Contra Costa Clean Water Program's PY 2010-11 Annual Report for a description of activities at the countywide or regional level.

C.6.f ► Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Training to Become a Qualified SWPPP Practitioner (QSP)	February 28 – March 1, 2011	<ul style="list-style-type: none"> • Training Overview and Regulations • Erosion Processes and Sediment Control • SWPPP Implementation • Monitoring Reporting 	5 inspectors (also attended by 4 staff persons related to providing FCD with SWPPP preparation and review, and oversight of SWPPP implementation)	83%
Training to Become a Qualified SWPPP Developer (QSD) (additional day training in addition to above-noted QSP Training)	March 1 – March 2, 2011 (in addition to dates noted above)	<ul style="list-style-type: none"> • Training Overview and Regulations • Erosion Processes and Sediment Control • SWPPP Implementation • Monitoring Reporting • Project Planning and Site Assessment • SWPPP Development and PRDs Project Closeout 	0 inspectors (training was attended by 3 other staff persons related to providing FCD with SWPPP preparation and review, and oversight of SWPPP implementation)	0%

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C.6 – Construction Site Controls

Permittee Name: Contra Costa County Flood Control and Water Conservation District

<p>Stormwater C.3 Compliance: Planning, Design, and Construction of Low Impact Development (LID) Facilities</p>	<p>May 23, 2011</p>	<p>Primarily concerned with C.3 Compliance, but provided sections relevant to Provision C.6:</p> <ul style="list-style-type: none"> • Grading and Drainage Design • Preservation of Existing Vegetation and Grades 	<p>1 inspector</p> <p>(training was attended by 2 other staff persons related to providing FCD with SWPPP preparation and review, permitting of projects, and oversight of SWPPP implementation)</p>	<p>17%</p>
<p>Comments: It should be noted that the above-referenced staff training is partially duplicative of staff training reported in the CCC Annual Report. Since FCD utilizes CCC’s Public Works Department Inspectors, but not its Department of Conservation and Development (Building Inspection Division – Grading) Inspectors, the staff training described above accounts for training provided to Public Works Department Inspectors, but not Department of Conservation and Development Inspectors. The above-notes training is also included in CCC Annual Report.</p>				

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

C.7.b.ii.1 ▶ Advertising Campaign

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

Summary:

See the Fiscal Year 2010/11 Group Program Annual Report, Section C.7, for a summary of the Trash Campaign conducted by the Program on our behalf.

C.7.b.iii.1 ▶ Pre-Campaign Survey

(For the Annual Report following the precampaign survey) Summarize survey information such as sample size, type of survey (telephone survey, interviews etc.). Attach a survey report that includes the following information. If survey was done regionally, refer to a regional submittal that contains the following information:

- Summary of how the survey was implemented.
- Analysis of the survey results.
- Discussion of the outreach strategies based on the survey results.
- Discussion of planned or future advertising campaigns to influence awareness and behavior changes regarding trash/litter and pesticides.

Place an **X** in the appropriate box below:

<input checked="" type="checkbox"/>	Survey report attached See the Fiscal Year 2010/11 Group Program Annual Report, Section C.7, for a report summarizing the Pre-Campaign Trash Survey conducted by the Program on our behalf.
<input type="checkbox"/>	Reference to regional submittal:

C.7.c ▶ Media Relations

Summarize the media relations effort. Include the following details for each media pitch in the space below, AND/OR refer to a regional report that includes these details:

- Topic and content of pitch
- Medium (TV, radio, print, online)
- Date of publication/broadcast

Summary:

The following separate report developed by BASMAA summarizes media relations efforts conducted during PY 10-11:

- BASMAA Media Relations Final Report

This report and any other media relations efforts conducted countywide is included within the C.7 Public Information and Outreach section of Program's PY 10-11 Annual Report.

C.7.d ► Stormwater Point of Contact

Summary of Any Changes Made during PY 10-11:

Refer to countywide Program's C.7 Public Information and Outreach section of Program's PY 10-11 Annual Report for efforts conducted by the countywide program to publicize stormwater points of contact (e.g. program website, hotline, outreach materials, etc.).

C.7.e ► Public Outreach 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

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscene presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> • Estimated overall attendance at the event. • Number of people that visited the booth, comparison with previous years • Number of brochures and giveaways distributed • Results of any spot surveys conducted
Live Nation Anti-Litter Campaign, August 2010, Concord Pavilion	The message "Litter Travels But It Can Stop with You" was broadcast using a variety of means to concert goers. A booth with outreach information and education was provided where residents were encouraged to sign-up and participate in a creek clean-up event.	See the Fiscal Year 2010/11 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.
Brentwood Elementary Science Night, January 1, 2011	The County's model of a watershed was used to educate elementary school children and their parents about the stormdrain system and stormwater pollution.	Message reached an audience that varied widely in age. Encouraged children and parents to work together to pick up litter.

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C.7 – Public Information and Outreach

Permittee Name: Contra Costa County Flood Control and Water Conservation District

<p>Sacramento Boat Show, March 11 – March 13, 2011</p>	<p>Staff partnered with the California Department of Boating and Waterways to distribute information about pollution prevention information specifically tailored to the boating community. Boaters also completed a brief questionnaire; information from which will be used to inform future pollution prevention efforts.</p>	<p>Approximately 300 boater packets distributed to boaters. Approximately 8 volunteers worked during weekend.</p>
<p>Strictly Sail Boat Show, Jack London Square, April 15 – April 17, 2011</p>	<p>Staff partnered with the California Department of Boating and Waterways to distribute information about pollution prevention information specifically tailored to the boating community. Boaters also completed a brief questionnaire; information from which will be used to inform future pollution prevention efforts.</p>	<p>Approximately 250 boater packets distributed to boaters. Approximately 10 volunteers worked during weekend.</p>
<p>Bringing Back the Natives Garden Tour, May 2011, Countywide</p>	<p>Tour to encourage landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc... for countywide residents.</p>	<p>See the Fiscal Year 2010/11 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.</p>
<p>Creek Day at Creekside Park, Oakley, May 5, 2011</p>	<p>Partnered with Friends of Marsh Creek. Demonstrated the watershed model to children and their parents.</p>	<p>Approximately 75 children reached.</p>
<p>Ohlone Elementary Carnival</p>	<p>Demonstrated the watershed model to elementary school children and their parents.</p>	<p>Brought environmental awareness to the carnival. Approximately 100 children reached.</p>

C.7.f. ► Watershed Stewardship Collaborative Efforts

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

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

See the Fiscal Year 2010/11 Group Program Annual Report, Section C.7, for a detailed report on BASMAA and the Program's encouragement and support of various Watershed Stewardship Collaborative Efforts" on our behalf.

C.7.g. ► Citizen Involvement Events

List the types of events conducted (e.g., creek clean up, storm drain inlet marking, native gardening etc.). Use the following table for reporting and evaluating citizen involvement events.

Event Details	Description	Evaluation of effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional	Describe activity (e.g., creek clean-up, storm drain marking etc.)	Provide general staff feedback on the event. Provide other evaluation details such as: <ul style="list-style-type: none"> • Number of participants. Any change in participation from previous years. • Distance of creek or water body cleaned • Quantity of trash/recyclables collected (weight or volume). • Number of inlets marked. • Data trends
Volunteer Creek Monitoring Program, Spring 2011, Alhambra, Walnut, Kirker, Marsh, Mount Diablo, Pinole and San Pablo Creeks.	The Program's Volunteer Creek Monitoring Program involves interested citizens and creek advocates to assist with creek bioassessment monitoring.	See the Program's Fiscal Year 2010/11 Group Program Annual Report, Section C.8, for further details.

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C.7 – Public Information and Outreach

Permittee Name: Contra Costa County Flood Control and Water Conservation District

Volunteer Creek Monitoring Program, Spring 2011, Alhambra, Walnut, Kirker, Marsh, Mount Diablo, Pinole and San Pablo Creeks.	The Program's Volunteer Creek Monitoring Program involves interested citizens and creek advocates to assist with creek bioassessment monitoring.	See the Program's Fiscal Year 2010/11 Group Program Annual Report, Section C.8, for further details.
Wildcat Creek Cleanup, April 2011	Partnered with The Watershed Project, Making Waves, and Chevron to stage a cleanup of Wildcat Creek.	67 volunteers 100 yards of creek bank cleaned
Verde Elementary Creek Cleanup, April 2011	Partnered with The Watershed Project and The Autobahn Society to stage a creek cleanup at Verde Elementary in Richmond.	50 volunteers 100 yards of creek bank cleaned
El Sobrante Library Creek Cleanup, April 2011	Partnered with The Watershed Project to stage a creek cleanup at El Sobrante Library.	30 volunteers 100 yards of creek bank cleaned

C.7.h. ► 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.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.

Refer to the C.7 Section of the countywide program's PY 10-11 Annual Report for a description of School-age Children Outreach efforts conducted at the countywide level. In addition, add information on any local School-age Children Outreach efforts to this table.

Section 8 - Provision C.8 Water Quality Monitoring

C.8 ► Water Quality Monitoring

State below if information is reported in a separate regional report. Municipalities can also describe below any Water Quality Monitoring activities in which they participate directly, e.g. participation in RMP workgroups, fieldwork within their jurisdictions, etc.

Summary

During PY 10-11, we contributed through the countywide Program to the BASMAA Regional Monitoring Coalition (RMC). In addition, we contributed financially to the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP) and were represented at RMP committees and work groups. For additional information on monitoring activities conducted by the Program, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of the Program's PY 10-11 Annual Report and/or BASMAA's Regional Monitoring Report.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a ▶ Adopt an Integrated Pest Management (IPM) Policy or Ordinance

(Water Board staff requested resubmittal for PY 10-11) Attach a copy of your individual IPM ordinance or policy.

x	Attached	<input type="checkbox"/>	Not attached , explain below
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If **Not attached**, explain: See Attachment C.9.a

C.9.b ▶ Implement IPM Policy or Ordinance

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, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.

Trends in Quantities and Types of Pesticides Used⁴⁸

Pesticide Category and Specific Pesticide Used	Amount ⁴⁹				
	PY 09-10	PY 10-11	PY 11-12	PY 12-13	PY 13-14
Organophosphates	0	0			
Product or Pesticide Type A					
Product or Pesticide Type B					
Pyrethroids	0	0			
Product or Pesticide Type X					
Product or Pesticide Type Y					
Carbaryl	0	0			
Fipronil	0	0			

⁴⁸ Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁴⁹ Weight or volume of the product or preferably its active ingredient, using same units for the product each year.

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.9.c ▶ Train Municipal Employees	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	4
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	4
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within the last three years.	100%

C.9.d ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
If yes, attach one of the following:			
<input type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR		
<input type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR		
<input type="checkbox"/>	Equivalent documentation.		
If Not attached , explain:			

C.9.e ▶ Track and Participate in Relevant Regulatory Processes
Summarize participation efforts, information submitted, and how regulatory actions were affected OR reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.
<p>Summary:</p> <p>During PY 10-11, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the Regional Pollutants of Concern Report submitted by BASMAA on behalf of all MRP Permittees. Additionally, the FCD is covered by a separate "Aquatic Pesticide NPDES Permit" which has its own monitoring and reporting requirements separate from the MRP & East CCCounty Municipal Stormwater Permits.</p>

C.9.f ▶ Interface with County Agricultural Commissioners

Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?

Yes

No

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.

C.9.h.ii ▶ Public Outreach: Point of Purchase

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); **OR** reference a report of a regional effort for public outreach in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of Program's PY 10-11 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

C.9.h.vi ▶ Public Outreach: Pest Control Operators

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

Summary:

See the C.9 Pesticides Toxicity Control section of Program's PY 10-11 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use.

Section 10 - Provision C.10 Trash Load Reduction

C.10.a.i ▶ Short-Term Trash Loading Reduction Plan

Provide description of actions/tasks initiated/conducted/completed in developing a Short-Term Trash Loading Reduction Plan (due February 1, 2012).

Description:

See the C.10 Trash Load Reduction section of Program's PY 10-11 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees. In addition, FCD conducted the following C.10 related activities locally:

-Installation of signage around all hot spots and common illegal dumping sites reads: " _____ (e.g. Wildcat, Grayson) Creek/Watershed – Ours to Protect"

-Trash assessment in hot spots

-MS4 Pre-Creek Roadside Drainage trash clean ups

-Community Watershed Stewardship Grant and contract with the Watershed Project for 'Municipal Regional Permit Partnership for Pollution Prevention', funds several watershed coordinators who schedule routine Spring and Fall creek clean-ups as well as work days throughout the year focused on removing trash in flood control facilities such as San Pablo, Wildcat and Marsh Creeks.

-Continue aggressive street sweeping program which sweeps all unincorporated streets with curb and gutter once per month thus removing trash and pollutants from the County roadway before they can be discharged to flood control channels.

-Participate in outreach (public information and participation) programs intended to influence behaviors to reduce the potential for trash to enter waterways (and litter in general). (See C.7 Section).

C.10.a.ii ▶ Baseline Trash Load and Trash Load Reduction Tracking Method

(For PY 10-11 Annual Report only) Provide description of actions/tasks initiated/conducted/completed to gather trash loading data and in developing a Baseline Trash Load and Trash Load Reduction Tracking Method (due February 1, 2012).

Description:

See the C.10 Trash Load Reduction section of Program's PY 10-11 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

C.10.a.iii ► Minimum Full Trash Capture

(For PY 10-11 Annual Report and Each Annual Report Thereafter) Provide description of actions/tasks initiated/conducted/completed in implementing Minimum Full Trash Capture Devices (due July 1, 2014) within individual jurisdictions. Include information on Full Trash Capture Devices installed under Bay-area Wide Trash Capture Demonstration Project administered by San Francisco Estuary Partnership.

Description:

See the C.10 Trash Load Reduction section of Program's PY 10-11 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

FCD has engaged staff from several divisions in a series of field visits to scope potential sites for installation of Full Trash Capture Devices (FTCDs). A number of potential FTCD locations are being considered. FCD does not have any appropriate locations to stage floating booms, and concerns exist with regards to outfall devices within channels; therefore, equivalent-sized in-line FTCDs are being considered, as well as other types of FTCD projects. Among projects being considered are several types of retrofits to flood control basins that could provide full trash capture for large tributary areas; since these could potentially serve large areas (well in excess of full trash capture requirements for the FCD) within several municipalities, such projects might serve as multi-jurisdictional cooperative efforts (this might complicate funding for design, implementation, and operation and maintenance of such FTCDs).

C.10.b.iii ► Trash Hot Spot Assessment

Provide volume of material removed from each Trash Hot Spot cleanup, and the dominant types of trash (e.g., glass, plastics, paper) removed and their sources to the extent possible.

Fill out the following table or attach a summary of the following information: See Attachment C.10.b.iii for more detail

Trash Hot Spot	Cleanup Date	Volume of Material Removed	Dominant Type of Trash	Trash Sources (where possible)
FCD-SF01 Riverside Drainage, Bay Point	3/16/11	251 Pounds	Convenience/Fast Food Items 27.1% (by item)	Litter Outfall
FCD-SF02 Pine Creek @ Waterworld	5/11/11	667 Pounds	Glass Pieces 74.7% (by item)	Glass Pieces
FCD-SF03 Wildcat Creek @ EBRPD Staging Area	4/23/11	1190 Pounds	Styrofoam 56.4% (by item)	Trash Accumulation
FCD-SF04 San Pablo Creek @ Parr Blvd.	4/19/11	410 Pounds	Styrofoam 60.5% (by item)	Trash Accumulation
FCD-CV01 Line E of Marsh Creek (Part 1)	3/23/11	68 Pounds	Styrofoam 60.6% (by item)	Trash Accumulation
FCD-CV01 Line E of Marsh Creek (Part 2)	3/23/11	176 Pounds	Plastic Products 20.3% (by item)	Litter Trash Accumulation

C.10.d ► Summary of Trash Load Reduction Actions

Provide summary of new trash load reduction actions or increased levels of implementation of existing actions that were implemented after adoption of the MRP (control measures and best management practices) including the types of actions and levels of implementation, and the total trash loads and dominant types of trash removed from each type of action.

Suggested trash load reduction actions to track and report may include:

- Anti-litter Campaigns
- Anti-litter/Dumping Enforcement Activities
- Curbside Recycling Programs
- Education and Outreach Efforts
- Free Trash Pickup/Drop-off Days
- County HHW Program Activities
- Improved Trash Bin Management
- Inspection/Maintenance of Storm Drain Outfalls
- Litter Pickup and Control
- Removal of Homeless Encampments
- Solid Waste Recycling Efforts
- Source Controls/Bans/Prohibitions
- Storm Drain Operation and Maintenance
- Storm Drain Signage/Marking
- Street Sweeping Activities
- Trash Removal from Receptacles
- Volunteer Creek Cleanups

Permittee Name: Contra Costa County Flood Control and Water Conservation District

Type of Trash Load Reduction Action	Date of First Implementation	Level of Implementation (specify if level was increased after MRP adoption)	Total Trash Load Removed by Action	Dominant Types of Trash Removed by Action
			<p>“Trash loads removed” were not tracked for all trash load reduction actions this fiscal year. Once the Trash Load Reduction Tracking Method is developed (see Provision C.10.a.ii), trash loads removed will be documented for each load reduction action. See the Program’s FY10-11 Annual Report for schedule.</p>	
Removal of Homeless Encampments	1992/Annually	As needed.	353 cu yds	Solid Waste & Large Debris
Limiting Public Access to Flood Control Channels using Exclusionary Fencing	1960’s	Installed along sections of flood control property not appropriate for public access.	Not readily quantifiable.	Not readily discernible.
Trash Bin Management and Trash Removal from Receptacles	1993	Adjacent to trails, etc.	Information not provided.	Information not provided.
Litter Pickup and Control	1993	Adjacent to trails, etc.	Information not provided.	Information not provided.
Developed Poster Series: ‘Spotlight on Styrofoam’, ‘Spotlight on Plastic Bags’, ‘Spotlight on Plastic Water Bottles’, and ‘The	2010	Ongoing	Not readily quantifiable.	Styrofoam & plastics

PY 2010-2011 Annual Report

C.10 – Trash Load Reduction

Permittee Name: Contra Costa County Flood Control and Water Conservation District

Great Pacific Garbage Patch' for creek group Watershed Coordinators to display during Earth Day and CA Coastal Cleanup Day outreach events				
Flood Control Ditch Cleaning	Ongoing	Each Fall Prior to Rainy Season	476.9 cu yds	Garbage, litter, organic debris, sediment
Flood Control Concrete Channel Cleaning	Ongoing	Each Fall Prior to Rainy Season	846.6 cu yds	Debris
Trash Rack Maintenance	Ongoing	As Needed and Each Fall Prior to Rainy Season	199.1 cu yds	Litter & Debris
Creek Group Clean-up Support including rental/purchase of dumpsters, porta potties, supplies and permit assistance	Ongoing	As Requested	Data included in Trash Assessments and creek cleanups	Litter & Debris
MS4 Pre-Creek Drainage Trash Cleanups w/ 'Litter Travels but it Can Stop w/You' Banners & Buckets	2010	As discovered during MS4 screenings.	4479 Pounds	Litter & Debris
Trash Assessments	2010	Each Spring	2762 Pounds	Litter & Debris

Section 11 - Provision C.11 Mercury Controls

C.11.a.i ► Mercury Recycling Efforts

List below or attach lists of efforts to promote, facilitate, and/or participate in collection and recycling of mercury containing devices and equipment at the consumer level (e.g., thermometers, thermostats, switches, bulbs).

Refer to PY 10-11 Program Annual Report for a list of mercury collection and recycling efforts conducted countywide and regionally.

C.11.a.ii ► Mercury Collection

Provide an estimate of the mass of mercury collected through these efforts, or provide a reference to a report containing this estimate.

Amount collected:

Not all mercury and PCB load reduction actions were tracked using "loads removed" methods this fiscal year. In the Program's PY 09-10 Annual Report and/or the BASMAA Regional POC Report, an initial Mercury and PCB Load Reduction Tracking Method was presented (see Provision C.11.g). Based on Water Board staff comments, a revised method will be presented in the Program's PY 10-11 Annual Report and/or the BASMAA Regional POC Report. Based on this methodology, loads removed via the collection/recycling of mercury-containing products will be documented beginning in PY 11-12.

- C.11.b ▶ Monitor Methylmercury**
- C.11.c ▶ Pilot Projects to Investigate and Abate Mercury Sources in Drainages**
- C.11.d ▶ Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**
- C.11.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**
- C.11.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**
- C.11.g ▶ Monitor Stormwater Mercury Pollutant Loads and Loads Reduced**
- C.11.h ▶ Fate and Transport Study of Mercury In Urban Runoff**
- C.11.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**
- C.11.j ▶ Develop Allocation Sharing Scheme with Caltrans**

State below if information is reported in a separate regional report. Municipalities that participate directly in regional activities to can provide descriptions below.

Summary

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of Program's PY 10-11 Annual Report and/or the BASMAA Regional POC Report.

It is estimated that open water entities including flood control agencies and dredgers contribute approximately 17% of the methylmercury load to the Delta (in comparison to stormwater agencies which contribute <1%). Because of this contribution, CWP participated on behalf of the FCD in the Delta Tributaries Mercury Council (DTMC) Nonpoint Sources Workgroup this PY 2010-11. DTMC is a group of stakeholders working towards implementation of the methylmercury TMDL and the Mercury Control Program for the Delta.

Section 12 - Provision C.12 PCBs Controls

C.12.a.i.iii ► Municipal Inspectors Training

(For PY 09-10 Annual Report only) List below or attach description of results of training municipal industrial inspectors to identify, in the course of their existing inspections, PCBs or PCB-containing equipment.

Description:

In PY 09-10, inspector training materials were developed by BASMAA and provided in the PY 09-10 BASMAA Regional POC Report. A description of efforts to train municipal industrial inspectors was provided in PY 09-10 permittee and/or Program Annual Reports. As a non-population based entity the FCD does not have businesses in its jurisdiction to inspect.

C.12.a.ii.iii ► Ongoing Training

(For PY 10-11 Annual Report and Each Annual Report Thereafter) List below or attach description of ongoing training development and inspections for PCB identification, including documentation and referral to appropriate regulatory agencies (e.g. county health departments, Department of Toxic Substances Control, California Department of Public Health, and the Water Board) as necessary.

Description:

See the PY 10-11 Program Annual Report for a description of training provided countywide and/or regionally, and report on any local training efforts, if applicable.

- C.12.b ▶ Conduct Pilot Projects to Evaluate Managing PCB-Containing Materials and Wastes during Building Demolition and Renovation Activities**
- C.12.c ▶ Pilot Projects to Investigate and Abate On-land Locations with Elevated PCB Concentrations**
- C.12.d ▶ Conduct Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**
- C.12.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**
- C.12.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**
- C.12.g ▶ Monitor Stormwater PCB Pollutant Loads and Loads Reduced**
- C.12.h ▶ Fate and Transport Study of PCBs In Urban Runoff**
- C.12.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**

State below if information is reported in a separate regional report. Municipalities that participate directly in regional activities to can provide descriptions below.

Summary

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of Program's PY 10-11 Annual Report and/or the BASMAA Regional POC Report.

Section 13 - Provision C.13 Copper Controls

C.13.a.i and iii ► Legal Authority: Architectural Copper

Do you have adequate legal authority to prohibit discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of the surface of copper architectural features, including copper roofs to storm drains?	x	Yes		No
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If **No**, explain and provide schedule for obtaining authority within 1 year:

C.13.b.i and iii ► Legal Authority: Pools, Spas, and Fountains

Do you have adequate legal authority to prohibit discharges to storm drains from pools, spas, and fountains that contain copper-based chemicals?	x	Yes		No
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If **No**, explain and provide schedule for obtaining authority within 1 year:

C.13.c ► Vehicle Brake Pads

Reported in a separate regional report.
 A summary of the countywide Program's participation with the Brake Pad Partnership (BPP) is included within the C.13 Copper Controls section of Program's PY 10-11 Annual Report and/or the BASMAA Regional POC Report.

C.13.d.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

As a non-population based entity the FCD does not have businesses in its jurisdiction to inspect.

C.13.e ► Studies to Reduce Copper Pollutant Impact Uncertainties

Revised. Description reads "State below if information is reported in a separate regional report. Municipalities that participate directly in regional activities to can provide descriptions below."

Summary

A summary of the countywide Program and/or regional efforts to develop regional studies to reduce copper pollutant impact uncertainties is included within the C.13 Copper Controls section of Program's PY 10-11 Annual Report and/or BASMAA Regional POC Report.

Section 14 - Provision C.14 PBDE, Legacy Pesticides and Selenium Controls

C.14.a ► Control Programs for PBDEs, Legacy Pesticides and Selenium Controls

Revised. Description reads "State below if information is reported in a separate regional report. Municipalities that participate directly in regional activities can provide descriptions below."

Summary

A summary of the countywide Program and regional efforts related to the Control Program for PBDEs, Legacy Pesticides and Selenium is included within the C.14 PBDE, Legacy Pesticides and Selenium section of Program's PY 10-11 Annual Report and/or BASMAA Regional POC Report.

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

C.15.b.iii.(1), C.15.b.iii.(2) ► Planned and Unplanned Discharges of Potable Water

Is your agency a water purveyor?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If No , skip to C.15.b.vi.(2):				
If Yes , Complete the attached reporting tables or attach your own table with the same information. Provide any clarifying comments below.				
Comments:				

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:
 As a non-population based entity the FCD does not have businesses or private properties within its jurisdiction. FCD generally does not conduct irrigation/watering except in very limited circumstances (i.e., vegetation establishment).

Refer to CCC's Annual report for a description of activities conducted in unincorporated County or refer to C.3 New Development and Redevelopment, C.7. Public Information and Outreach and C.9. Pesticide Toxicity Control sections of Program's PY 10-11 Annual Report.

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System

Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ⁵⁰ (NTU)	Implemented BMPs & Corrective Actions
N/A										

⁵⁰ Monitor the receiving water for turbidity if necessary and feasible. Include data in this column if available.

**COUNTY WATERSHED PROGRAM NPDES STORMWATER COMPLIANCE
CLEAN WATER CONTACTS**
Updated July 2011

County Watershed Program

(925) 313-2030 Fax (925) 229-2333

Rich Lierly, Floodplain/Watershed Management	(925) 313-2348
David Swartz, C.3/New Construction Controls	(925) 313-2281
Charmaine Bernard, Muni Ops., Illicit Discharges	(925) 313-2236
Dan Jordan, Keep the Delta Clean	(925) 313-2023
Alex Anaya, Erosion, Inspections	(925) 313-2312
Catherine Windham, FCD Admin Support	(925) 313-2270

Contra Costa Clean Water Program

Tom Daziel	(925) 313-2392	Jamison Crosby	(925) 313-2364
Elisa Wilfong	(925) 313-2164	Michelle McCauley	(925) 313-2194
Valerie Wiley	(925) 313-2360		

Contra Costa Watershed Forum

John Kopchik	(925) 335-1227	Abby Fateman	(925) 335-1272
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Contra Costa Resource Conservation District

(925) 672-6522

Carol Arnold, Executive Director	carol.arnold@ca.nacdnet.net	ext. 106
Heidi Petty, Watershed Coordinator	heidi.petty@ca.nacdnet.net	ext. 108
Mary Grimm, Watershed Coordinator	mary.grim@ca.nacdnet.net	ext. 113

Blankinship & Associates

Mike Blankinship	(530) 757-0941	Steven Buckholdt	(530) 574-6316
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Cell

Bringing Back the Native Gardens

Kathy Kramer	(510) 236-9558	(510) 761-7048
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Finger Art & Design/Watershed Calendar

John Finger	(925) 945-0612	(925) 451-9505
JB Services	(925) 370-1775	

the Watershed Project

Juliana Gonzalez	(510) 224-4085	(510) 759-1203
Linda Hunter	(510) 457-1897	
Andy LaBar	(510) 214-3897	

SPAWNERS

Femke Oldham	(510) 665-3535	(206) 218-5318
	(510) 545-6398	

Friends of Marsh Creek

Diane Burgess	(925) 325-2908
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Partners for Rodeo Creek

Heidi Petty	(510) 478-7402
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Other County Departments

Agriculture	(925) 646-5250	
Animal Control	(925) 335-8300	
Application & Permit Center (APC)	(925) 335-1360	
Bob Hendry, PWD Permits	(925) 335-1375	
Assessor's Office	(925) 313-7400	
Building Inspection, Code Enforcement	(925) 335-1111	
Gary Faria, Grading	(925) 335-1123	
Cindy Stein, East Co.	(925) 335-1114	
Mimi Bridgeman	(925) 335-1183	
Joe Losado, West Co.	(925) 335-1141	Cell (925) 383-8303
Vincent Caballero, West Co.	(925) 335-1142	
Tyrone Ridgle, Central Co.	(925) 335-1147	
Lou Reinthaler, Central Co.	(925) 335-1146	
Conservation & Development	(925) 335-1290	
Current Planning, General Info, Tree Permits	(925) 335-1381	
Roberta Goulart, Delta/Water Issues	(925) 335-1226	
Deidra Dingman, Solid Waste	(925) 335-1224	
Lorna Thompson, Solid Waste	(925) 335-1231	
Matthew Kelly, Solid Waste	(925) 335-1238	
County Counsel	(925) 335-1800	
David Schmidt	(925) 335-1803	
Eric Gelston	(925) 335-1892	
District Attorney		
Stacey Grassini	(925) 957-8787	
Environmental Health	(925) 692-2500	Fax (925) 692-2502
Parna Kamyabfar, Accounting	(925) 957-5515	
Tim Ellsworth, Food Service Facilities	(925) 692-2537	
John Wiggins, Food Service Facilities	(925) 692-2570	
Jeff Tipton, West Co.	(925) 692-2568	Cell (925) 383-5417
Jose Avila, West Co., Used Tires	(925) 692-2525	Cell (925) 383-2655
Erik Anderson, Central Co.	(925) 692-2524	Cell (925) 525-5885
Jacob Conway, East Co.	(925) 692-2530	
Joel Reed, East Co.	(925) 692-2559	
Les Miyashiru, Storm Sewer Overflow	(925) 692-2552	
General Services		Emergency (925) 977-4316
Derrick West, Custodial & Recycling	(925) 313-7052	
Kevin LaChapelle, Grounds	(925) 646-4150	
Roland Hindsman, Facilities	(925) 313-7052	
Rick Ranger, SWPPP	(925) 313-7072	
Stan Burton, Fleet	(925) 313-7077	
Purchasing, Barbara Heinrich	(925) 313-7300	
Cindy Shehorn	(925) 313-7317	
John Buckholt	(925) 313-7315	
Print & Mail Center, Marie Estrada	(925) 646-5521	

Ron Russo	(925) 646-5520	
Hazardous Materials (HazMat)	(925) 335-3200	After Hrs (925) 335-3232
Devra Lewis, Stormwater Inspections	(925) 335-3222	Cell (925) 250-6467
Lacey Friedman, KDC Marinas	(925) 335-3211	Cell (925) 250-7898
Melissa Hagen	(925) 335-3236	
Adam Springer	(925) 335-3216	
Maria Duazo	(925) 335-3233	
Tanya Drlik, IPM Coordinator	(925) 335-3214	
Mosquito & Vector Control	(925) 685-9301	
Greg Howard	(925) 771-6169	
Public Works	(925) 313-2000	
Flood Control Counter Person	(925) 348-6810	
Maintenance, Kristen Hardeman	(925) 313-7000	Emergency (925) 646-2441
Joe Yee, R1	(925) 313-7002	
Pat Giles, R2 Field Ops.	(925) 313-7044	Cell (925) 260-4740
Allison Knapp, R3 Engineering	(925) 313-7008	
Marcelino Abundis	(925) 313-7009	
Tony Medina, R4 Area Foreman	(925) 313-7046	Cell (925) 260-3919
Fld Ctrl & West Co.		
Mike Giles, R51 Flood Control	(925) 313-7041	Cell (925) 260-5305
Rich Montoya, R21 West Co.	(925) 313-7042	Cell (925) 260-5081
Dan Camara, R81 Surface Treat. & Bridge	(925) 313-7011	Cell (925) 567-6675
Jeff Brimmer, R76 Sign & Paint	(925) 313-7038	Cell (925) 260-5064
Dave Harper, R31 Central/South Co.	(925) 313-7031	Cell (925) 567-6667
Mark Trump, R36 East Co.	(925) 427-8562	Cell (925) 260-5465
Ed Swan, R91 Vegetation	(925) 313-7047	
Construction Inspection	(925) 313-2320	
Edgar Gallo, Martinez & East Co.	(925) 595-6008	
Larry Cornelius, West Co.	(925) 595-6006	
Justin Ingram, PH & San Ramon	(925) 595-6010	
Sheriff's Office	(925) 646-2441	Dispatch (925) 646-2441
Emergency Services	(925) 646-4461	Or (925) 335-1500
Bay Station, Deputy Monroe	(510) 262-4203	
Muir Station, Lt. Mahoney	(925) 313-2520	

Contra Costa Clean Water Program City Contacts

Antioch	(925) 779-7000	Phil Hoffmeister	(925) 779-6169	phoffmeister@ci.antioch.ca.us
Brentwood	(925) 516-5400	Jagtar Dhaliwal	(925) 516-5128	jdhaliwal@ci.brentwood.ca.us
Clayton	(925) 673-7300	Laura Hoffmeister	(925) 673-7308	lhoffmeister@ci.clayton.ca.us
Concord	(925) 671-3425	Frank Kennedy	(925) 671-3186	fkennedy@ci.concord.ca.us
Danville	(925) 314-3300	Chris McCann	(925) 314-3342	cmccann@ci.danville.ca.us
El Cerrito	(925) 215-4300	Garth Schultz	(510) 559-7684	gschultz@ci.el-cerrito.ca.us
Hercules	(510) 799-8200	John McGuire	(510) 245-6525	jmcquire@ci.hercules.ca.us
Lafayette	(925) 284-1968	Donna Feehan	(925) 934-3908	dfeehan@ci.lafayette.ca.us
Martinez	(925) 372-3500	Tim Tucker	(925) 372-3562	ttucker@cityofmartinez.org
Moraga	(925) 888-7050	Jill Mercurio	(925) 888-7025	jmercurio@moraga.ca.us
Oakley	(925) 625-7000	Jason Vogan	(925) 625-7003	jvogan@ci.oakley.ca.us



Orinda	(925) 253-4200	Cathleen Terentieff	(925) 253-4251	cterentieff@ci.orinda.ca.us
Pinole	(510) 724-9000	Dean Allison	(510) 724-9010	dallison@ci.pinole.ca.us
Pittsburg	(925) 252-4920	Jolan Longway	(925) 252-4803	jlongway@ci.pittsburg.ca.us
Pleasant Hill	(925) 671-5270	Rod Wui	(925) 671-5261	rwui@ci.pleasant-hill.ca.us
Richmond	(510) 620-6500	Lynne Scarpa	(510) 307-8135	lynne_scarpa@ci.richmond.ca.us
San Pablo	(510) 215-3037	Karineh Samkian	(510) 215-3037	karinehs@ci.san-pablo.ca.us
San Ramon	(925) 973-2670	Steven Spedowfski	(925) 973-2653	spedowfski@sanramon.ca.gov
Walnut Creek	(925) 943-5899	Rinta Perkins	(925) 256-3511	perkins@walnut-creek.org

Wastewater Sanitary Districts

Byron Sanitary District	(925) 634-5560	
City of Brentwood	(925) 516-6060	
City of Hercules	(925) 724-8963	
City of Pinole	(510) 724-8963	
City of Richmond	(510) 412-2062	
Central Contra Costa Sanitary District	(925) 229-7288	Emergency (925) 933-0955/0990
Alamo, Clayton, Clyde, Concord, Danville/Blackhawk, Diablo, Lafayette, Martinez, Moraga, Orinda, Pacheco, Pleasant Hill, San Ramon, Walnut Creek		
Tim Potter	(925) 229-7380	
Jeff Skinner	(925) 229-7720	Cell (925) 337-7720
Crockett Sanitary Department	(510) 787-2992	Crockett, Port Costa
Delta Diablo Sanitation District	(925) 756-1900	Antioch, Bay Point, Pittsburg
Discovery Bay Community Services District	(925) 634-1131	
Dublin-San Ramon Services District	(925) 875-2336	
East Bay Municipal Utility District	(510) 287-1651	El Cerrito, Kensington, Richmond
Ironhouse Sanitary District	(925) 625-2279	Bethel Island, Knightsen
Mountain View Sanitary District	(925) 228-5635	Martinez
Rodeo Sanitary District	(510) 799-2970	
Stege Sanitary District	(510) 524-4667	El Cerrito, Kensington
Town of Discovery Bay CSD	(925) 634-1131	
West County Wastewater District	(510) 237-6603	El Sobrante, Pinole, Richmond, San Pablo

Potable Water Districts

Contra Costa Water District	(925) 688-8000
Dave Omoto	(925) 688-8023
Dublin-San Ramon Services District	(925) 828-0515
East Bay Municipal Utility District	(866) 403-2683
Virginia Northrup, Orinda Hq.	(510) 287-0459
Roger Hartwell, Biologist	(510) 843-2137
John Schroeter	(510) 287-0345
Martinez Water District	(925) 372-3580

Garbage/Recycling Haulers

Allied Waste Services of CC County	(925) 685-4711	Alamo, Bay Point, Blackhawk, Canyon, Clyde, Crockett, Danville, Diablo, Martinez, Morgan Territory, Pacheco, Pleasant Hill, Tassajara, Vine Hill, Walnut Creek
Valley Waste Management	(925) 935-8900	Alamo, Blackhawk, Danville, Diablo, Pleasant Hill BART, Tassajara, Walnut Creek
Richmond Sanitary Service/ Republic	(510) 262-1600	Bay View, E. Richmond Heights,

Services El Sobrante, Montalvin Manor, N. Richmond, Richmond, Rodeo, Rollingwood, Tara Hills

Pittsburg Disposal Service	(925) 432-6262	Bay Point
Oakley Disposal Service	(925) 757-7660	Bethel Island, Knightsen
Brentwood Disposal Service	(925) 634-1123	Byron
Crockett Garbage Service	(510) 262-1608	Crockett, Port Costa
Discovery Bay Disposal Service	(925) 634-3099	Discovery Bay
Bay View Refuse & Recycling	(510) 237-4614	Kensington

Permitted Disposal Facilities/Landfills

Contra Costa County

Acme Landfill (Construction Debris)		
950 Waterbird Way, Martinez, CA 94553		(925) 228-7099
Contra Costa Transfer & Recovery Station		
951 Waterbird Way, Martinez, CA 94553		(925) 313-8900
Recycling Center & Transfer Station - Contra Costa Waste Service		
1300 Loveridge Rd., Pittsburg, CA 94565		(925) 473-0180
Golden Bear Transfer Station		
1 Parr Blvd., Richmond, CA 94801		(510) 236-8451
West Contra Costa Sanitary Landfill (Concrete/Green Waste)		
Foot of Parr Blvd., 94801		(510) 233-4330

Alameda County

Vasco Road Landfill & Recycling Drop-off		
4001 N. Vasco Rd., Livermore, CA 94550		(925) 447-0491
Pleasanton Transfer Station		
3110 Busch Rd., Pleasanton, CA 94566		(925) 846-2042

Solano County

Potrero Hills Landfill		(707) 429-9600
3675 Potrero Hills Ln., Suisun City, CA 94585		

Household Hazardous Waste Facilities

Central Contra Costa Sanitation District HHW	(800) 646-1431	
4797 Imhoff Place, Martinez, CA 94553		
Delta-Diablo Sanitation District	(925) 756-1990	<u>Emergency</u>
2500 Pittsburg-Antioch Highway, Pittsburg, CA 94509		
West County HHW Collection Center	(888) 412-9277	(925) 372-3440
101 Pittsburg Avenue, Richmond, CA 94801		

Other Special Districts

Bethel Island Municipal Utilities District, Julie Hugel	(925) 684-2210	
Byron-Bethany Irrigation District	(209) 835-0375	
East Bay Regional Park District Hdqtrs.	(888) 327-2757	
East Bay Regional Park District Police & Fire	(510) 881-1833	(510) 881-1121
Davio Santos, Tilden Park	(510) 843-2137	
East County Irrigation District	(925) 634-3544	
Reclamation District 800	(925)634-2351	

Hotlines

1800-No Dumping (800) 663-8674
DCD – Recycling (925) 335-1225

Illegal Dumping

Bay Point/Keller Canyon Mitigation Funds
Kevin LaChapelle, GSD (925) 646-4150 (Anna Lisa)

CalTrans (510)286-6359

N. Richmond/RSS West Co. Mitigation Funds
CHDCNR Mitigation Staff, e-Waste & HHW (510) 237-2000
City of Richmond PWD, Terrance Johnson (510) 231-3011

Railroads
Burlington Northern (800) 832-5452
Union Pacific, Critical Call Center (888) 877-7267

Trash Assessments

Anka Behavioral Health, Adeel Ahmad	(925) 674-9610	aahmad@ankabhi.org
Civic Corp, Adam Cope	(510) 917-6979	
Debri Tech, Tiffani Wells	(925) 671- 8008	twells@rapidrecycle.net
Rapid Recycle, Charles Waldo	(925) 270-6278	

Homeless Encampment Outreach

Levona Martin (925) 313-6140

North Richmond Storm Drain Pump Station

Operations, Craig Gridley (510) 237-6603 ext. 3224
West Co. Waste Water District 2377 Garden Tract Road, Richmond, CA 94801

Diversion Grant, Jennifer Krebs (SFEP) (510) 622-2315
JKrebs@waterboards.ca.gov 1515 Clay Street, Suite 1400 Oakland, CA 94612

Monitoring, Jennifer Hunt (SFEI) (510) 746-7347
jhunt@sfei.org 7770 Pardee Lane, 2nd Floor Oakland, CA 94621

Oil Spill Reporting

US Coast Guard National Response Center (NRC) (800) 424-8802
CA Emergency Management (CALEMA) (800) OILS 911

Street Sweeping

Universal Building Services, Bill Godfrey	(510) 527-1078	(510) 715-0391
Terrance Johnson, Richmond	(510) 231-3011	
Mike Dixon, DDS D Bay Point miked@ddsd	(925) 756-1921	(925) 382-6291
DDS D Street Sweep Complaint Line	(925) 756-1900	
John Johnson, Walnut Creek	(925) 943-5899 x 444	
Martinez PWD	(925) 372-3580	

Local Fire Districts/Departments

Emergency

Bethel Island Fire Protection District	(925) 684-2211	
Contra Costa County Fire Protection District	(925) 930-5531	(925) 933-1311
Crockett-Carquinez Fire Protection District	(510) 787-2717	(510) 787-1313
East Diablo Fire Protection District	(925) 930-5531	(925) 933-1311
Kensington Fire Protection District	(510) 215-4450	
Moraga-Orinda Fire District	(925) 258-4599	
Pinole Fire Department	(510) 724-8970	
Richmond Fire Department	(510) 307-8031	
Rodeo-Hercules Fire District	(510) 799-4561	(925) 930-5531
San Ramon Fire Protection District	(925) 838-6640	(925) 838-6691

Regional Water Quality Control Boards

San Francisco RWQCB	(510) 622-2300	
Selina Louie	(510) 622-2383	slouie@waterboards.ca.gov
Central Valley RWQCB	(916) 464-3291	
Kim Schwab	(916) 464-4606	kschwab@waterboards.ca.gov

State and Federal Agencies

CA Coastal Commission & CA Dept. of Boating & Waterways		
Vivian Matuk	(415) 904-6905	(916) 798-0476
CA Dept. of Fish and Game, Region 3 (W. CA-160)	(707) 944-5500	
Dispatch	(831) 649-2801	
Warden Nicole Kozicki, Countywide	(925) 376-1274	nkozicki@dfg.ca.gov
P.O. Box 284, Moraga, CA 94556		
Warden Clint Garrett, East Co.	(925) 245-1997	cgarrett@dfg.ca.gov
P.O. Box 848, Livermore, CA 94550		
Warden Jason Rogers, West Co.		jrogers@dfg.ca.gov
CA Emergency Management Agency	(800) 852-7550	(800) OILS 911
CA Highway Patrol	(925) 646-4980	
Cal OSHA	(925) 602-6517	
Dept. of Toxic Substances Control (Region 2)	(510) 540-3856	
US Coast Guard, National Response Center	(800) 424-8802	
US Coast Guard, Marine Safety Office Alameda	(510) 437-3073	

County NPDES Drainage Cleaning Reporting Form PY2010-11

Date	Work Order #	Name of Waterway-Section Cleaned	Municipality	Length Cleaned (Ft.) Waterway Type			Sediment (Cubic Yds.) Land Use			Garbage (Cubic Yds.) Land Use			Misc. Large Items
				Roadside	Lined	Natural	Resident	Commer	Industrial	Resident	Commer	Industrial	
7/26/2010	9390	Pine Creek from San Miguel			150					15			
7/26/2010	9390	Pine Creek from San Miguel			150					7			2 tree stumps
7/28/2010	9790	Wildcat Creek				1300				33			Tree rounds = 2 CY
7/29/2010	9372, 9K90	DA128 D/S Whitman				500				10			
7/29/2010	9372, 9K90	Grayson Creek			30					0.56			
7/29/2010	9372, 9K90	Trampas Creek				30				1.5			
8/2/2010	9374	Pine Creek Lined Channel from Pine St to Willow Pass								10			Grocery carts and tires
8/3/2010	9394	Pine Creek Lined Channel from Lane Dr to Pine Street								8			Grocery carts and tires
8/4/2010	9374	Galindo Creek from Detroit to Pine Creek Channel			1260					12			Grocery carts and tires
8/4/2010	9374	Pine Creek lined channel from Clayton Rd to Waterworld			850					10			Grocery carts and tires
8/5/2010	9374	Galindo Creek from Systron Detroit			1500					25			
8/9/2010	9374	Galindo Creek walking bridge to Pine Creek			1500					3			
8/9/2010	9374	Pine Creek from Park & Ride to Monument Blvd			2500					10			
8/11/2010	9192	Marsh Creek Dam	Brentwood		100					10			trees cut, removed, chipped
8/11/2010	9374	Pine Creek Concrete Channel from San Miguel to end of Galindo Creek					48						
8/12/2010	9374	Pine Creek Channel from End of Galindo Creek to Waterworld			2500		136			1			
8/16/2010	9394	Grayson Creek lined Channel from Orchard Lane to Webb Lane			500					4			
8/17/2010	9394	Tice Creek from Web Lane D/S			300					2			
8/18/2010	9394	Tice Creek Channel	Walnut Creek		500					10			trees cut 7 chipped, pampas grass cut & removed
8/18/2010	9394	Tice Creek Channel	Walnut Creek		70								fencing removed and replaced
8/19/2010	9394	Tice Creek Channel	Walnut Creek		500					5			trees chipped and fencing
8/23/2010	9374	Grayson Creek Lined Channel			600								
8/24/2010	9374	Grayson Creek Lined Channel			400		20						No large items
8/25/2010	9374	Grayson Creek			2640					20			Green waste
8/25/2010	9374	Grayson Creek Lined Channel			3960		16						
8/26/2010	9374	Grayson Creek Lined Channel			2640		18						
8/26/2010	9374	Grayson Creek Lined Channel			1760					25			
8/30/2010	9374	Grayson Creek	Pleasant Hill		4000					10			Trees cut
8/31/2010	9374	Grayson Creek east leg			1000					15			
8/31/2010	9374	Grayson Creeklined channel west leg from Camille to "Y"			600		12						
9/1/2010	9374	Grayson Creek east leg			2640					20			
9/1/2010	9374	Grayson creek from 'Y' to end lined channel			1500					30			
9/2/2010	9374	Grayson Creek			500		35						

Date	Work Order #	Name of Waterway-Section Cleaned	Municipality	Length Cleaned (Ft.) Waterway Type		Sediment (Cubic Yds.) Land Use			Garbage (Cubic Yds.) Land Use			Misc. Large Items
9/2/2010	9374	Grayson Creek			800				15			
9/7/2010	9374	Grayson Creek from Triangle to end of lined channel			1500							
9/9/2010	9990	Grayson Creek							5			homeless cleanup
9/9/2010	9990	Pacheco Blvd Las Juntas		30						1		Guardrail, car accident debris
9/9/2010	9990	Rodeo Creek east side D/S Hwy 80 between Hawthorne & 7th St			5280				5			Grocery carts, tires
9/13/2010	9350	Walnut Creek @ Imhoff Dr.			300					16		
9/14/2010	9350	Walnut Creek Channel	Concord		1000					16		
9/15/2010	9350	Grayson Creek @ Imhoff	Concord		20					2		
9/15/2010	9350	Walnut Creek Channel	Concord		100					26		
9/16/2010	9650	San Pablo Creek from 3rd St to Richmond Parkway								7		homeless camp debris
9/16/2010	9650	San Pablo Creek from 3rd St to Richmond Parkway								15		green waste
9/16/2010	9650	San Pablo Creek from Railroad to 3rd St								30		green waste
9/16/2010	9650	San Pablo Creek from Railroad to 3rd St								7		homeless camp debris
9/20/2010	9890	Rodeo Creek east side D/S Hwy 80 between Hawthorne & 7th St	Rodeo							15		1/2 load of rounds
9/21/2010	9350	Grayson Creek @ Imhoff								0.74		
9/21/2010	9350	Pine Creek @ Willow Pass D/S to Waterworld	Concord		500					5		7 grocery carts
9/21/2010	9350	Walnut Creek @ Imhoff Dr.	Concord							2		
9/22/2010	9178	Marsh Creek Dam	Brentwood		100							100 yds rock removed
9/22/2010	9382	Walnut Creek Lined Channel	WC		45		1					Cleaned sub drains
9/22/2010	9383	Walnut Creek Lined Channel	WC		42		1					
9/22/2010	9384	Walnut Creek Lined Channel	WC		41		1					
9/27/2010	9373	San Ramon Creek	Danville		200			160				
9/27/2010	9382	Walnut Creek Lined Channel D/S of Arroyo			225			19.5				Cleaned flap gates
9/28/2010	9373	San Ramon Creek D/S Sycamore	Danville		100			30				Silt removed
9/28/2010	9382	Walnut Creek Lined Channel D/S of Arroyo			156			10				Pump out clean silt
9/29/2010	9374	Pine Creek Channel Drying Rack	Concord		100			50				Dirt removed and Hauled Away
9/29/2010	9382	Walnut Creek Lined Channel D/S from Arroyo			98			8				Clean 4 subdrains and service flap gates fenced removed & stored, trees cut & removed
9/30/2010	8545	Green Valley Creek Diablo Rd	Danville		90					2		
10/4/2010	8585	Green Valley Creek Diablo Rd			30					6		Wood removed & moved
10/5/2010	8545	Green Valley Creek D/S Diablo Rd			200					30		trees and brush removed and hauled, chain link reventment fence removed and hauled
10/5/2010	8189	Wildcat Creek D/S Richmond Parkway								14		
10/5/2010	8189	Wildcat Creek U/S Richmond Parkway								14		1/2 load of rounds

Date	Work Order #	Name of Waterway-Section Cleaned	Municipality	Length Cleaned (Ft.) Waterway Type		Sediment (Cubic Yds.) Land Use			Garbage (Cubic Yds.) Land Use			Misc. Large Items
10/6/2010	8545	Green Valley Creek Diablo Rd		60					25			trees and dirt removed & hauled
10/6/2010	9990	Pinole Creek D/S of I-80 to Henry Ave			10560				28			
10/7/2010	8545	Green Valley Rd D/S Diablo Rd		60		70						dirt removed & hauled
10/7/2010	9990	Pinole Creek East & Westside from I-80 to Pinole Valley			1056				20			
10/8/2010	8545	Green Valley Creek D/S Diablo Rd		60		40						Rock hauled & installed
10/12/2010	8545	Green Valley Rd			70	18						brush & trees
10/13/2010	9194	Deer creek D/S Fairview to Cherry Tree Ct			1620							Weeds abated
10/13/2010	8545	Green Valley Creek D/S Diablo Rd		60		10						Dirt hauled to Sycamore
10/14/2010	9190	Deer Creek D/S Fairview Ave			800							Small trees cut/brush
10/14/2010	8545	Green Valley Creek D/S Diablo Rd	Danville	100					10			filter fabric, spoils, used sandbags, silt material, dirt hauled away
10/14/2010	9190	Marsh Creek D/S Balfour Westside			30							Small trees cut/brush
10/25/2010	varies	#2255 Fruitstand				0.25						branches, debris
10/25/2010	9C76	Behind Anchor Apts		10					0.26			some long boards
10/25/2010	varies	Bettencourt Basin				0.5						
10/25/2010	varies	East Lane				1.5						branches, leaves
10/25/2010	9C76	Lindsey Basin		20					0.74			
10/25/2010	9C76	MaryAnne Lane		20					4			
10/25/2010	varies	Rassier Ranch				0.25						silt
10/25/2010	9C76	Riverside D/S		20					1.5			Limbs, mattress, refrigerator
10/25/2010	9C76	Shore Acres Ditch		10					0.19			
10/25/2010	9C76	Viano Basin		20								
10/25/2010	varies	West Alamo Creek				0.5						branches, debris
10/28/2010	9472	Canyon Lakes			170				26			
11/8/2010	9K76	DA128 David Ave	Concord	20					2			
11/8/2010	9K76	DA128 Whitman	Concord	20					2			
11/8/2010	9176	Deer Creek Basin			12				2			
11/8/2010	9C76	El Portal	Alamo	20								2 branches
11/8/2010	9C76	Garrity Creek @ Kavanaugh		4					0.15			
11/8/2010	9C76	La Serena	Alamo	20								5 branches
11/8/2010	9C76	Mary Anne Clearland		2					1			2 garbage bags full
11/9/2010	9890, 9690	Hemme IHC	Danville	30					6			1 large tree removed and hauled
11/9/2010	9890, 9690	Rodeo Creek Access Rd Vaqueros Ave		500					8			trees cut & chipped
11/9/2010	9390	San Ramon Creek D/S Festoria		1500								
11/10/2010	9390	San Ramon Creek U/S & D/S Camino Ramon		2000					10			trees cut & chipped
11/15/2010	9690	San Pablo Creek D/S Parr Blvd to 3rd		2000					12			trees cut & chipped
11/16/2010	9390	Walnut Creek Channel D/S Monument	Concord	50					56			tree cuts, chipped & hauled
11/17/2010	9390	San Ramon Creek @ Brookdale	Alamo	100					6			juniper bushes trimmed, oak tree removed, chaf removed from bridge pilings
11/17/2010	9390	San Ramon Creek D/S Stone Valley Access Rd Westside	Alamo	1000					8			trees cut & chipped
11/22/2010	9C76	Mary Anne lane @ Clearland		36					4	1		

Date	Work Order #	Name of Waterway-Section Cleaned	Municipality	Length Cleaned (Ft.)			Sediment (Cubic Yds.)			Garbage (Cubic Yds.)			Misc. Large Items
				Waterway Type			Land Use			Land Use			
11/22/2010	9472	Rheem Creek 11th to 20th @ Rivers	Richmond		5280					10			trash, tree branches, woods cut & removed
11/22/2010	9C76	Viano Basin @ Morello				18							
11/23/2010	9H76	Bettencourt Basin				45	0.5			1			silt, tules, hyacinth
11/23/2010	9172	Deer Creek Basin	Brentwood			10				1			cattails removed
11/23/2010	9172	Line E	Brentwood			20				3			weeds cut & removed
11/23/2010	9172	Marsh Creek Grant St @ Bosk				40				3			cattails & weeds removed
11/23/2010	9176	Neroly Basin Trash Rack	Oakley			20					1		cattails removed
11/23/2010	9R76	Rassier Ranch Basin				20				0.5			leaves, tule bits
11/30/2010	9350	Walnut Creek								13			garbage & debris
12/6/2010	9C76	Behind Anchor Apts				4	1						
12/6/2010	9-76	Bettencourt Basin				10							
12/6/2010	9-76	Canyon Lakes				20							
12/6/2010	9-76	Clayton Drain				30							
12/6/2010	9-76	Conijo Dr				10							
12/6/2010	9-76	DA128 6 Whitman				20							
12/6/2010	9-76	DA128 of David				20							
12/6/2010	9-76	Fruitstand	San Ramon			30							
12/6/2010	9-76	Hidden Oak				10							
12/6/2010	9-76	Holly Oak Dr				10							
12/6/2010	9176	Lindsey Basin				4			3			0.25	lumber, plastic crates, boxes, styrofoam
12/6/2010	9C76	Mary Anne Lane				4	1			0.25			boxes, toys, household items
12/6/2010	9-76	Mossy Oak Dr				10							
12/6/2010	9-76	Pine Creek Dam				20							
12/6/2010	9-76	Pine Creek Detention				20							
12/6/2010	9-76	Rassier Ranch				10							
12/6/2010	9C76	Riverside Ditch				4				0.25			chair, 3 boxes 2x4x6
12/6/2010	9-76	Rossmoor Basin				20							
12/6/2010	9-76	Shadow Creek Basin				20							
12/6/2010	9-76	Strenzel Basin				20							
12/6/2010	9-76	Viano Basin				20				1			
12/6/2010	9-76	West Alamo Creek				20							
12/7/2010	9C72	Anchor Apts.				150				2			large tree stump
12/7/2010	9C90	Mary Anne Lane				20				0.74			
12/7/2010	9390	Triangle				40				10			
12/8/2010	9C76	Mary Anne Lane					0.25						leaves, branches
12/9/2010	9-76	Pine creek Detention Basin								1			
12/13/2010	9390	Grayson Creek @ Triangle								18			brush clipped
12/13/2010	9672	San Pablo Creek								5			
12/14/2010	9390	Grayson Creek				1584					3		2 grocery carts, elevate trees
12/14/2010	9390	Grayson Creek @ Triangle								4			chipped 4 CY brush
12/16/2010	9-76	Bishop Lane	Walnut Creek			20				0.25			door, boards
12/16/2010	9C76	Laurenita Dr	Alamo			20				0.25			pallet, trash
12/16/2010	9C76	Mary Anne Lane	Bay Point			20					0.25		leaves, branches
12/16/2010	9876	Rossmoor Basin	Lafayette			20							metal
12/20/2010	9C76	1490 Laurenita Dr				5			0.5				
12/20/2010	9376	2255 Crow Canyon Rd @ Fruitstand				8							3 logs
12/20/2010	9H76	Bettencourt Basin	Danville			40				0.25			tules, twigs

Date	Work Order #	Name of Waterway-Section Cleaned	Municipality	Length Cleaned (Ft.) Waterway Type		Sediment (Cubic Yds.) Land Use			Garbage (Cubic Yds.) Land Use			Misc. Large Items
12/20/2010	9H76	Diablo Vista Park	Danville		60				0.5			tules, twigs
12/20/2010	9C76	Mary Anne Lane		15					1			2 PS Concrete
12/20/2010	9R76	Rassier Ranch			10				0.125			tules, twigs
12/20/2010	9376	Rossmore		5								5 ft log blocking inlet
12/20/2010	9C76	Viano Basin			15				1.5	1.5		some large logs
12/21/2010	9372	MaryAnne Lane			20				1.5			
12/21/2010	9372	San Ramon Creek D/S Brookdale Bridge			100				8			few rounds
12/21/2010	9372	Viano Basin			30				4			large logs
12/22/2010	9376	Clayton Drain							1			Christmas tree, saplings
12/22/2010	9C76	Garrity Creek Kavanaugh			10				0.5			tules, garbage, logs
12/22/2010	9350	Grayson Creek			100				10			homeless camp cleanup
12/22/2010	9K76	Oak Grove @ Whitman			8				0.5			plywood, branches, hyacinth
12/22/2010	9K76	San Pablo Creek 15 May			15				0.5			brush
12/22/2010	9350	Walnut Creek both sides			150				10			homeless camp cleanup
12/22/2010	9350	Walnut Creek eastside between Concord Ave and Marsh Dr			25				2			large pieces of wood
12/28/2010	9C76	Anchor Apts. @ Pacifica Ave						0.5				
12/28/2010	9176	Deer Creek Basin						3				
12/28/2010	9176	Lindsey Basin						3				
12/28/2010	9C76	Mary Anne @ Clearland Ditch						0.2				
12/29/2010	9376	2255 Crow Canyon Rd							8			lumber & debris
12/29/2010	9H76	Bettencourt Basin							1			
12/29/2010	9R76	Rassier Ranch Basin							0.2			debris
1/3/2011	9390	Behind 932 Brink Ct	Concord	20					5			in branches trimmed & hauled
1/3/2011	5575	IHC South of Jones Rd	Walnut Creek	50					5			branches trimmed and hauled away
1/3/2011	9K90	Pine Creek lined channel Lodge Dr	Concord	50					5			vines removed
1/5/2011	9390	Pine Creek D/S San Miguel Rd	Concord	1000					12			trees cut & chipped
1/6/2011	9372	Green Valley Creek U/S Diablo Rd	Danville	100					0.5			branches, boards
1/6/2011	9372	Pine Creek D/S San Miguel Rd	Concord	500					8			branches cut & chipped
1/10/2011	9372	Sycamore Creek D/S Camino Tassajara	Danville	200					12			branches cut & mulched, hauled
1/11/2011	9690	San Pablo Creek D/S 3rd St			100				3			large pieces of lumber
1/11/2011	9690	San Pablo Creek D/S Giant Rd back of Richmond Yard			50				4			large rounds
1/11/2011	9772	Wildcat Creek Pick & Pull		250					4			grocery carts, large logs
1/12/2011	9C76	Anchor Apts							0.1			scooter, bike
1/12/2011	9376	Bettencourt Basin	Danville	20					0.5			branches, cattails
1/12/2011	9C76	Clearland Ditch							0.2			battery, tree, limbs, debris
1/12/2011	9C76	Garrity Creek Brian Rd							0.1			computer, payphone, pipe
1/12/2011	9376	Green Valley V-Notch	Danville	50					2			branches, cattails
1/12/2011	9176	Lindsey Basin							2			leaves, christmas tree, branches
1/12/2011	9C76	Shamrock							0.5			4 bags household garbage
1/12/2011	9C76	Shoal Dr							0.1			leaves, debris
1/12/2011	9C76	Suisun Ave & RR Tracks							0.2			4 bags trash
1/13/2011	9C72	Las Trampas Creek U/S Olympic Blvd			2000				6			some large branches
1/13/2011	9390	Pine Creek Detroit Ave Access Rd	Concord	200						16		trees cut & chipped

Date	Work Order #	Name of Waterway-Section Cleaned	Municipality	Length Cleaned (Ft.) Waterway Type			Sediment (Cubic Yds.) Land Use			Garbage (Cubic Yds.) Land Use			Misc. Large Items
1/13/2011	9372	Pine Creek Waterworld Access Ramp	Concord		100					10		carts & pulled	
1/13/2011	9C72	Trib of San Ramon Creek from Austin Lane to Stone Valley Way & D/S 200'				1000							
1/13/2011	9C72	Trib of San Ramon Creek U/S & D/S Stone Valley Way				1500			1				
1/24/2011	9372	Green valley Creek U/S Diablo Rd	Danville		200				2			branches, trash removed and hauled	
1/24/2011	9372	Las Trampas Creek @ Boulevard Way	Walnut Creek		20				1			concrete plug & pipe removed and hauled	
1/24/2011	9372	San Ramon Creek D/S S.Jackson Way	Alamo		400				4			branches cut & hauled	
1/25/2011	9372	Triangle	Pleasant Hill		100		110					dirt removed and hauled	
1/25/2011	9790	Wildcat Creek				250						chipped brush, cut trimmed trees	
1/26/2011	9390	Triangle	Pleasant Hill		100		90					dirt loaded and hauled	
1/26/2011	9750	Wildcat Creek				150	16					chips	
1/27/2011	9390	Pine Creek @ Waterworld	Concord		200					160		dirt, trash hauled	
1/27/2011	9390	San Ramon Creek							10			logs, chips, aluminum boat	
1/31/2011	9C76	Clark Rd	El Sobrante		30				2			garbage	
1/31/2011	9176	Deer Creek Basin	Brentwood		20				0.25			cattails	
1/31/2011	9176	Lindsey Basin	Oakley		20					0.5		cattails	
1/31/2011	9C76	Mary Anne Lane	Bay Point		20				0.25			trash, branches	
1/31/2011	9C76	Professional Bldg	El Sobrante		10				0.25			brush	
1/31/2011	9C76	Viano Basin	Martinez		10				0.25			cattails	
2/1/2011	9372	Pine Creek Waterworld	Concord		100					130		dirt & trash	
2/1/2011	9750	Wildcat Creek							16			garbage homeless camp	
2/2/2011	9374	Pine Creek Waterworld Dr	Concord		100					110		dirt & trash	
2/2/2011	9371	San Ramon Creek 1244 Green Brook Dr	Danville			100			12				
2/2/2011	9371	San Ramon Creek 250 ft D/S of Paraiso Dr				30			4				
2/2/2011	9371	San Ramon Creek 300 ft U/S of El Capitan Dr				30			4				
2/3/2011	9390	Pine Creek D/S San Miguel Rd				100			15				
2/8/2011	9390	San Ramon Creek				300			6				
2/9/2011	9790	Wildcat Creek @ Richmond Parkway				100			16			branches, green waste	
2/10/2011	9372	San Ramon Creek D/S El Pintafo @ 20 Nadine Pl				250			25				
2/14/2011	9376	Clayton Drain	Concord		20							1 branch	
2/14/2011	9C76	Linsey Basin	Oakley		20				2			garbage, branches	
2/14/2011	9H76	West Alamo Creek	Danville		20				0.25			branches	
2/15/2011	9172	Marsh Creek to Delta Rd							16			green waste, tumble weeds, branches debris	
2/16/2011	9C76	Anchor Apts.							0.5			trash, branches, green waste	
2/16/2011	9C76	Garrity Creek							0.1			green waste, boards	
2/16/2011	9C76	Mary Anne			10				1.5			2 shopping carts, debris, garbage	
2/16/2011	9C76	Rodeo Creek							2.7				
2/16/2011	9C76	Shoal Dr & Marina Rd							0.2			green waste	

Date	Work Order #	Name of Waterway-Section Cleaned	Municipality	Length Cleaned (Ft.) Waterway Type			Sediment (Cubic Yds.) Land Use			Garbage (Cubic Yds.) Land Use			Misc. Large Items
2/16/2011	9C76	Shore rd								0.1			2 tires
2/16/2011	9C76	Suisun Ave & RR Tracks								0.2			
2/17/2011	9390	Green Valley Creek @ Highbridge	Danville		200					5			branches cut & chipped
2/23/2011	9H76	Bettencourt Basin								1			green waste, leaves, tumbleweeds
2/23/2011	9C76	Deer Creek								2			green waste, leaves, tumbleweeds
2/23/2011	9C76	Lindsey Basin								2			green waste, leaves, tumbleweeds
2/23/2011	9C76	Mary Anne								1			green waste, leaves, tumbleweeds
2/23/2011	9R76	Rassier Ranch								0.5			green waste, leaves, tumbleweeds
2/23/2011	9C76	Shore Rd								0.5			ironing board, satellite dish, misc
2/24/2011	9390	Las Trampas Creek @ Bridge Rd	Walnut Creek		100					8			trees cut & removed
2/28/2011	9390	Las Trampas Creek U/S Bridge Rd			100					16			trees cut & removed
2/28/2011	9390	Las Trampas Creek U/S Dewing			100					10			trees cut & removed
3/2/2011	9C76	Garrity Creek Brian Rd								0.3			tree branches, green debris, wood
3/2/2011	9C76	Mary Anne								0.3			tree branches, green debris
3/2/2011	9C76	Vianno Basin								1			
3/3/2011	9H76	Bettencourt Basin								1.5			
3/3/2011	9192, 9176	Deer Creek Basin								2			Green waste
3/3/2011	9376, 9H76	Fruitstand CC								3			trees, branches and green waste
3/3/2011	9176	Lindsey Basin								2			Green waste, trash, branches
3/3/2011	9H76, 9J76	West Alamo Creek								0.2			

GRAND TOTAL

35	63567	25974	879.45	53	3	1084.5	506.25	0.25
89576 ft total			935.45 cu yds			1591 cu yds		

17 mi

2526.5 cu yds

1 cu yd = 27 cu ft
1 mile = 5280 ft

UNINCORPORATED CONTRA COSTA COUNTY FLOOD CONTROL DISTRICT
ILLICIT DISCHARGE INVESTIGATIONS (IDIs) PY 2010-11

WorkOrder#/ Case #	WoType	Issued	Task Description	Location and Solution	Type	# Incidents/ Complaints	Stormdrain (SD)/Creek	# SD/Creek	Incident Date	Date Resolved	Days to Abate	Resolved Timely*
FCD												
0000014823	1010VA	08/03/2010	8/03/10 Investigate 1010 violation in a San Pablo Creek tributary at 33 Cavoretto Lane in El Sobrante. Jorge Hernandez advised that this be assigned to Tony Medina of Maintenance, as the customer, Mr. Gary Tucker, has already been in contact with Tony. CATHERINE WINDHAM	SITE INFORMATION Address: SAN PABLO CREEK TRIBUTARY AT 33 CAVORETTO LANE City/State/Zip: EL SOBRANTE X-Street: SAN PABLO DAM ROAD (CROSSES CAVORETTO LANE)	Other (Specify in 'Complaint')	1	1	1	8/3/2010	8/17/2010	14	1
0000014823	1010VA		CONTINUED	PAGE 2 OF 2								
0000016131	1010VA	04/27/2011	3/23/11 12:00pm While performing trash assessment of Line E (part 2) hotspot south of Grant Street in Brentwood, Friends of Marsh Creek Watershed Coordinator, Diane Burgis brought to our attention illicit discharges of construction debris, wood trim from shed painted blue and numerous rags discharged from backyard to FCD access road & Line E channel. C BERNARD	SITE LOCATION Name: JOSE & GUADALUPE AGUILERA Address: 57 DUNEDIN DRIVE City/State/Zip: BRENTWOOD, CA 94 X-Street: CUSTOMER INFORMATION Name: DIANE BURGIS, FRIENDS OF MARSH	Construction Debris	1	1	1	3/23/2011	4/6/2011	14	1
0000016321	1010VA	06/15/2011	6/9/11: Nicole Kozicki of the Dept. of Fish & Game reported that the property owner at 33 Cavoretto Lane, El Sobrante is building a concrete culvert and filling in the creek without permits. CATHERINE WINDHAM 6/15/11: This has been assigned to R51, Mike Giles, Maintenance. CATHERINE WINDHAM	SITE INFORMATION: Address: 33 CAVORETTO LANE City/State/Zip: EL SOBRANTE X-Street: SAN PABLO DAM ROAD CUSTOMER INFORMATION: Name: NICOLE KOZICKI Address: DEPT. OF FISH & GAME	Other (Specify in 'Complaint')	1	1	1	6/9/2011	6/23/2011	14	1
0000015778	EROSION	03/01/2011	Tim Jensen forwarded email received from Kathy Southern w/ the City of San Pablo referring a resident's (Jennifer) concern about erosion occurring on Rheem Crk near / behind her property. She has a retaining wall that is eroding and flooding during rain events. See attached email w/aerial photo. Please investigate and contact Kathy @ City of San Pablo -- (510) 315-3083; and, resident Jennifer -- (510) 367-7372. KRISTEN HARDEMAN	SITE INFORMATION: ADDRESS: RHEEM CREEK BEHIND 1474 MADRONE WAY (ADJACENT TO BAYVIEW ELEMENTARY) CITY/STATE/ZIP: SAN PABLO, CA X-STREET: LARCHMOUNT LANE CUSTOMER INFORMATION: Name: JENNIFER Address: 1474 MADRONE WAY	Sediment/Erosion	1	1	1	3/1/2011	ongoing	ongoing	0
0000014906	IDI	08/23/2010	8/23/10 Please investigate sewage smell coming from the Clearland Ditch. Odor may be from natural organic decay from improper disposal of cut vegetation, possible obstruction in the drainage facility, illicit connection, or illegal sewage dumping etc. C BERNARD	SITE LOCATION Name: STEADFAST HIDDEN COVE APTS. Address: 2901 MARY ANN LANE City/State/Zip: BAY POINT, CA Phone: 925-692-2552 X-Street:	Landscape material/Green waste	1	1	1	8/23/2011	9/20/2011	28	0
0000014906	IDI	08/23/2010	continued	From: Les.Miyashiro@hdsd.cccounty.us								
0000015057	IDI	09/27/2010	9/27/10 Rinta Perkins, Stormwater Manager w/City of Walnut Creek sent email w/photos to C. Bernard of illegal dump off Perada Dr. bridge on Pine Creek bank/FCD property. C BERNARD	SITE LOCATION Address: PINE CREEK BANK @ PERADA DR. City/State/Zip: WALNUT CREEK, CA X-Street: ROCK OAK RD	Dumping-non-hazardous	1	1	1	9/27/2010	11/2/2010	36	0
0000015145	IDI	10/18/2010	10/13/10 9:30am Anonymous caller via the 1-800 No-Dumping line reporting a mattress in the Riverside Drainage north of Riverside Drive behind the Riverside Elementary School. C BERNARD	SITE LOCATION Name: RIVERSIDE DITCH Address: RIVERSIDE DRIVE City/State/Zip: BAY POINT X-Street: SOUTH OF PACIFICA	Dumping-non-hazardous	1	1	1	10/13/2010	10/25/2010	12	1
0000015155	IDI	10/19/2010	10/18/10 Received message forwarded by Rinta Perkins, Stormwater Manager for City of Walnut Creek. Irate caller contacted her about illegal dumping behind his business, 7-Eleven, from a homeless encampment including mattresses. What is the status of the clean-up? C BERNARD	SITE LOCATION Name: Behind 7-Eleven Address: 1537 NEWELL BLVD (Address does not match up w/ccMaps; could be 1536) City/State/Zip: WALNUT CREEK, CA Phone: 510-697-7591	Dumping-non-hazardous	1	1	1	10/18/2010	10/25/2010	7	1
0000015941	IDI	03/25/2011	3/25/11 11:00am Following trash assessments at Line E, Friends of Marsh Creek Coordinator, D. Burgess showed us some issues at the Marsh Creek Fish Ladder that are beyond the agreed upon maintenance capabilities of the creek group/volunteers: tules and grasses collecting on the right bank flash board and run-away straw wattles. C BERNARD	SITE LOCATION Name: MARSH CREEK FISH LADDER Address: SOUTH OF DELTA ROAD City/State/Zip: BRENTWOOD CUSTOMER INFORMATION Name: CHARMAINE BERNARD (On behalf of Diane Burgess, Friends of Marsh Creek Coordinator)	Landscape material/Green waste	1	1	1	3/25/2011	ongoing	ongoing	0
0000014656	LD	07/07/2010	remove debris (trees and misc concrete) in front of column 1 (most upstream column).	SITE INFO: Address: BOULEVARD WAY BRIDGE BR # 28C0196 City/State/Zip: WALNUT CREEK, CA X-Street: OVER LAS TRAMPAS CREEK	Construction Debris	1	1	1	7/7/2010	1/24/2011	201	0
0000014697	LD	07/13/2010	There's a large pile of trash sitting in the access driveway, along 2845 Lane Drive in Concord. The access drive leads to the Pine Creek gate. Residents are afraid it will give someone the idea to start a fire.	SITE INFORMATION ADDRESS: ACCESS DRIVEWAY ALONG 2845 LANE DRIVE	Dumping-non-hazardous	1	0	0	7/13/2010	7/23/2010	10	1

UNINCORPORATED CONTRA COSTA COUNTY FLOOD CONTROL DISTRICT
ILLICIT DISCHARGE INVESTIGATIONS (IDIs) PY 2010-11

WorkOrder/ Case #	WoType	Issued	Task Description	Location and Solution	Type	# Incidents/ Complaints	Stormdrain (SD)/Creek	# SD/Creek	Incident Date	Date Resolved	Days to Abate	Resolved Timely*
0000014741	LD	07/21/2010	Chris Hentz from CCCWD has requested that a car be removed from a creek near Royal Oaks Dr. just before the beginning of the Clayton Regency pipeline Monica Sinz 7-22-10 Looks like the nearest creek is Tribe of San Ramon. ANGELA BELL	SITE INFORMATION: ADDRESS: TRIBE OF SAN RAMON CITY/STATE: ALAMO, CA X STREET: ROYAL OAKS DRIVE CUSTOMER INFORMATION	Dumping-hazardous	1	1	1	7/21/2010	7/27/2010	6	1
0000014898	LD	08/18/2010	Sheriff Dispatch- There's a mattress and box spring that has been dumped at the San Ramon Creek near 2 Lyman Lane & Jackson Way.	SITE INFORMATION ADDRESS: SAN RAMON CREEK CITY/STATE: ALAMO, CA X STREET: NEAR 2 LYMAN LANE & JACKSON WAY	Dumping-non-hazardous	1	1	1	8/18/2010	8/18/2010	0	1
0000014929	LD	08/25/2010	Illegal dumping in Rodeo Creek between Hawthorne and 7th Street.	SITE INFORMATION	Dumping-non-hazardous	1	1	1	8/25/2010	9/13/2010	19	0
0000015000	LD	09/13/2010	09/02/10 Received email from Venus - Special Districts requesting clean-up of illegal dumping at Tara Hills Road in San Pablo. Cross Street is San Pablo Avenue. Roadway is not obstructed. Illegal dumping reported by David Alvarado, Facilities Coordinator, of the MonTaraBay Community Center. NATALIE CHUHAK 9-13-10 Per an email from Venus, the mattress is now in the creek. ANGELA BELL	SITE INFORMATION: Address: 2250 TARA HILLS ROAD City/State/Zip: SAN PABLO, CA 94806 X-STREET: SAN PABLO AVENUE CUSTOMER INFORMATION: Name: GLACIER STAFF Address: 255 Glacier Drive City/State/Zip: Martinez, CA Phone: 925-313-2181 Fax: 925-313-2099 Contact: Venus Zayas - Special Districts	Dumping-non-hazardous	1	1	1	09/02/10	11/17/10	76	0
0000015102	LD	10/07/2010	9/27/10 Citizen called regarding trash accumulating as a result of homeless encampments / transients along Iron Horse Trail particularly under and around the 242 overpass. Citizen is concerned about the mounting trash and debris. KRISTEN HARDEMAN	SITE LOCATION: Address: UNDER 242 OVERPASS ALONG EB REGIONAL PARK TRAIL City/State/Zip: CONCORD, CA X-Street: CUSTOMER INFORMATION:	Dumping-non-hazardous	1	1	1	09/27/10	10/20/2010	23	0
0000015170	LD	10/21/2010	10/21/10 - Resident witnessed furniture tossed into Galindo Creek behind her property on Almendra Ct. Customer stated she was unable to identify perpetrator but believes he lives in nearby apartments. Contacted City of Concord; was referred to County. KRISTEN HARDEMAN	SITE INFORMATION: ADDRESS: PORTION OF GALINDO CREEK BEHIND / NEAR 1159 ALMENDRA CT CITY/STATE/ZIP: CONCORD, CA CUSTOMER INFORMATION:	Dumping-non-hazardous	1	1	1	10/21/10	11/8/10	18	0
0000015265	LD	11/03/2010	Citizen reported old 40" TV has been dumped in Pine Creek near Perada Dr. TV is visible as you walk along Perada Drive. KRISTEN HARDEMAN	SITE INFORMATION: ADDRESS: FLOOD CONTROL AREA NEAR PERADO DR & CITRUS AVE	Dumping-non-hazardous	1	1	1	11/03/10	11/23/10	20	0
0000015322	LD	11/15/2010	Citizen reports that drainage facility along/on Pine Creek where it intersects Perada Dr is full of litter/debris. Concerned about drainage issues. Please investigate. KRISTEN HARDEMAN	SITE INFORMATION: ADDRESS: PINE CREEK WHERE IT INTERSECTS PERADA DR CITY/STATE/ZIP: WALNUT CREEK	Dumping-non-hazardous	1	1	1	11/15/10	11/23/10	8	1
0000015541	LD	01/10/2011	Customer reports someone has dumped 4 large garbage bags in Garrity Creek behind her residence at 2848 Sargent Avenue. X-street is Fitzpatrick. She would like someone to remove them; she is concerned about impacts to creek water quality. Please contact customer regarding her request. KRISTEN HARDEMAN	SITE INFORMATION: ADDRESS: GARRITY CREEK BEHIND 2848 SARGENT AVE CITY/STATE/ZIP: SAN PABLO X-STREET: FITPATRICK CUSTOMER INFORMATION:	Dumping-non-hazardous	1	1	1	01/10/11	3/22/11	71	0
0000015709	LD	02/15/2011	Resident reports concrete and other debris has been dumped in Green Valley Crk behind her residence. She is also requesting that a sign be put up that says "No Dumping" or something similar. She indicated dumping occurs frequently in the creek. Please contact customer regarding her request / concern. KRISTEN HARDEMAN	SITE INFORMATION: ADDRESS: GREEN VALLEY CREEK BEHIND 24 BUENO COURT CITY/STATE/ZIP: DANVILLE, CA X-STREET: ALAMATOS DRIVE CUSTOMER INFORMATION:	Construction Debris	1	0	0	02/15/11	3/22/11	35	0
0000015763	LD	02/28/2011	Citizen reports shopping cart in Pine Creek behind 1916 Keswick Lane in Concord. Please investigate and schedule pick-up. KRISTEN HARDEMAN	SITE INFORMATION: ADDRESS: PINE CRK BEHIND 1916 KESWICK LANE CITY/STATE/ZIP: CONCORD, CA	Dumping-non-hazardous	1	1	1	02/28/11	3/22/11	22	0
0000016123	LD	04/25/2011	Citizen reports items have been dumped onto access path / road for Galindo Creek behind 1440 Detroit Ave. Individual believe dumping is being done by occupants in duplex facing creek. Please investigate and schedule pick-up. KRISTEN HARDEMAN	SITE INFORMATION: ADDRESS: 1441 DETROIT AVENUE CITY/STATE/ZIP: CONCORD, CA X-STREET: LAGUNA ST	Dumping-non-hazardous	1	0	0	04/25/11	ongoing	ongoing	0

UNINCORPORATED CONTRA COSTA COUNTY FLOOD CONTROL DISTRICT
ILLICIT DISCHARGE INVESTIGATIONS (IDIs) PY 2010-11

WorkOrder/ Case #	WoType	Issued	Task Description	Location and Solution	Type	# Incidents/ Complaints	Stormdrain (SD)/Creek	# SD/Creek	Incident Date	Date Resolved	Days to Abate	Resolved Timely*
0000016333	LD	06/17/2011	Customer called about a pile of wood/ debris dumped on the Flood Control access road behind her home on Savannah Circle. She asked if her gardener could access the road to pick up the items. I explained I did not know and would refer this to a supervisor. KRISTEN HARDEMAN	SITE INFORMATION: NAME: SANDRA SHERMAN ADDRESS: FLD CTRL ACCESS RD BEHIND 780 SAVANNAH CIRCLE (ADJACENT TO CONTRA COSTA CANAL) CITY/STATE/ZIP: WALNUT CREEK, CA X-STREET: WINTON DRIVE	Construction Debris	1	0	0	06/17/11	6/20/11	3	1
0000016362	LD	06/27/2011	Citizen reports there are several (approx 15) emergency batteries that have been dumped along Grayson Crk about 1/3 down between Chilpancingo and Center on the left side if facing south. KRISTEN HARDEMAN	SITE INFORMATION: ADDRESS: GRAYSON CRK BETWEEN CHILPANCINGO & CENTER, APPROX 1/3 WAY DOWN CITY/STATE/ZIP: PLEASANT HILL, CA	Dumping-hazardous	1	1	1	06/27/11	ongoing	ongoing	0
0000016318	IDI	06/14/2011	6/8/11 11:30am Mike Giles, Flood Control maintenance reporting another homeless encampment under the Monument Blvd. bridge including a fire. Fire Dept responded and spread out personal effects. Mike is concerned debris will wash downstream and is requesting CWP's assistance getting Pleasant Hill to clean up. C BERNARD	SITE LOCATION Address: WALNUT CREEK CHANNEL UNDER WEST SIDE MONUMENT BRIDGE City/State/Zip: PLEASANT HILL, CA CUSTOMER INFORMATION Name: MIKE GILES, MAINTENANCE STAFF Address: 2475 WATERBIRD WY	Dumping-non-hazardous	1	1	1	6/8/2011	6/13/2011	5	1
0000016318	IDI	06/14/2011	continued	From: Mike Moore [mailto:Mmoore@ci.pleasant-								
0000016371	IDI	06/29/2011	6/13/11 10:01am Received email notification w/photos of a potential illicit connection from backyard in City of Walnut Creek to San Ramon flood control facility. C BERNARD	SITE LOCATION Address: 54 BISHOP LANE City/State/Zip: WALNUT CREEK, CA X-Street: RUDGEAR RD	Illicit connections	1	1	1	6/13/2011	6/15/2011	2	1
0000015116	HMLS	10/12/2010	10/09/10 - HOMELESS CAMP (NOT SURE IF ABANDONED), THERE IS TRASH, SMALL FURNITURE AND OTHER DEBRIS LEFT ALONG THE CREEK BEHIND THE STORAGE PLACE. SREED	SITE INFORMATION Address: BEHIND 1597 MARKET STREET City/State/Zip: CONCORD, CUSTOMER INFORMATION	Dumping-non-hazardous	1	1	1	10/09/10	10/20/10	11	1
0000015834	HMLS	03/11/2011	Homeless encampment reported in FC zoned area -- under Monument Blvd. -- near the Footbridge.	SITE INFORMATION Address: MONUMENT BLVD. City/State/Zip: CONCORD, X-Street: FC ZONE--AT FOOTBRIDGE	Dumping-non-hazardous	1	1	1	03/11/11	3/15/11	4	1

Summary												
						Discharges Reported	29	Discharges to SD/Creek	25	86.21%	Resolved Timely*	14 48.28%
						Types	#	Major Types of Discharges	%	* Abated within 10 business days		
						Abandoned drums	0	Dumping-non-hazardous	17	59%		
						Accidental spills	0	Construction Debris	4	14%		
						Allowable discharge	0	Dumping-hazardous	2	7%		
						Carpet cleaning discharge	0	Landscape material	2	7%		
						Complaint not found	0	Other (Specify in 'Complaint')	2	7%		
						Construction Debris	4	Sediment/Erosion	1	3%		
						Cooling water discharge	0	Illicit connections	1	3%		
						Dewatering	0	Total	29	100%		
						Dumping-hazardous	2					
						Dumping-non-hazardous	17					
						Dumpster discharge	0					
						Equipment cleaning	0					
						Food Facility Oil & Grease discharge	0					
						Food Wastes	0					
						Grey water discharge	0					
						Illicit connections	1					
						Improper manure management	0					
						Landscape material/Green waste	2					
						Misc. incidents	0					
						Other (Specify in 'Complaint')	2					
						Other: Marine related	0					
						Paint discharge	0					
						Pools/Spas/Fountains discharge	0					
						RV waste discharge	0					
						Sanitary/sewage spill or leak	0					
						Saw cutting slurry discharge	0					
						Sediment/Erosion	1					
						Stormwater infiltration devices (SV)	0					
						Surface cleaning discharge	0					
						Un-hardened cement discharge	0					
						Used oil dumping	0					
						Vehicle & equipment leaking	0					

UNINCORPORATED CONTRA COSTA COUNTY FLOOD CONTROL DISTRICT
ILLICIT DISCHARGE INVESTIGATIONS (IDIs) PY 2010-11

WorkOrder/ Case #	WoType	Issued	Task Description	Location and Solution	Type	# Incidents/ Complaints	Stormdrain (SD)/Creek	# SD/Creek	Incident Date	Date Resolved	Days to Abate	Resolved Timely*
					Vehicle repair	0						
					Vehicle washing	0						
					Waterline breaks	0						
						29						

ATTACHMENT B

CONTRA COSTA COUNTY INTEGRATED PEST MANAGEMENT POLICY DECEMBER 2008

To protect public health, county resources and the environment it will be the policy of Contra Costa County to manage pests within county pest management programs in and on county maintained properties and facilities, using Integrated Pest Management (IPM) principles and techniques.

The mission is to promote the combined use of physical, cultural, biological and chemical control methods to effectively manage pests with minimal risk to humans and the environment.

For the purposes of this policy the County adopts the Integrated Pest Management definition provided by the University of California Statewide IPM Project: Integrated Pest Management is an ecosystem-based strategy that focuses on long-term prevention of pests or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties. Pesticides are used only after monitoring indicates that they are needed according to established guidelines, and treatments are made with the goal of removing only the target organisms. Pest control materials are selected and applied in a manner that minimizes risks to human health, to beneficial and non-target organisms, and to the environment.

The goals of this countywide policy are to:

1. Minimize risks to the general public, staff and the environment as a result of pest control activities conducted by County staff and contractors.
2. Require County departments to create, implement and periodically review written IPM programs specific to their operational needs and consistent with the U.C. definition above and this policy.
3. Promote availability, public awareness and public input into written county pest management programs and records.
4. Help create public awareness and education of IPM techniques.

To achieve these goals the County has established the following objectives:

1. Require County departments to use IPM programs.
2. Incorporate County IPM policies and practices into county pest control contracts.

3. Require annual reporting of development and implementation of IPM programs.
4. Create or designate a County IPM Coordinator to report to the County Administrator and Board of Supervisors.
5. Create an IPM Advisory Committee to assist Departments in reviewing pest control alternatives and related costs or impacts.
6. Provide annual IPM training and outreach programs to address the needs of County Departments and employees.

Require Departments to Use IPM Programs:

- The Agriculture, General Services, Health and Public Works Departments who use pest management techniques when providing services will be required to develop a written IPM Program and designate an IPM Coordinator responsible for implementation. These Departmental IPM Coordinators will be members of the County's IPM Advisory Committee.
- Departments who do not use pest management techniques when providing services to the public will designate Facilities Coordinators who will receive periodic training in the County IPM program and IPM concepts. Facilities Coordinators will be responsible for adherence with County IPM policies at their designated sites.

Incorporate County IPM Policies and Practices in County Pest Control Contracts

- General Services will work with the IPM Advisory Committee to develop Pest Control Contract Specifications that will insure the County's IPM Policy and Practices are adhered to by all licensed pest control contractors performing work on county maintained properties and facilities.

Require Annual Reporting of Development and Implementation of IPM Programs.

- It is understood that development and implementation of IPM programs will take time. Department IPM Coordinators will prepare annual reports on department pest control activities to the County Administrator. Facilities Coordinators will also annually report any pest control activities that have taken place at their site. The department annual reports will be reviewed by the IPM Advisory Committee. The IPM Advisory Committee shall compile the information into an annual report that will be submitted to the County Administrator and the Board of Supervisors.

Create or Designate a County IPM Coordinator to Report to the Board of Supervisors.

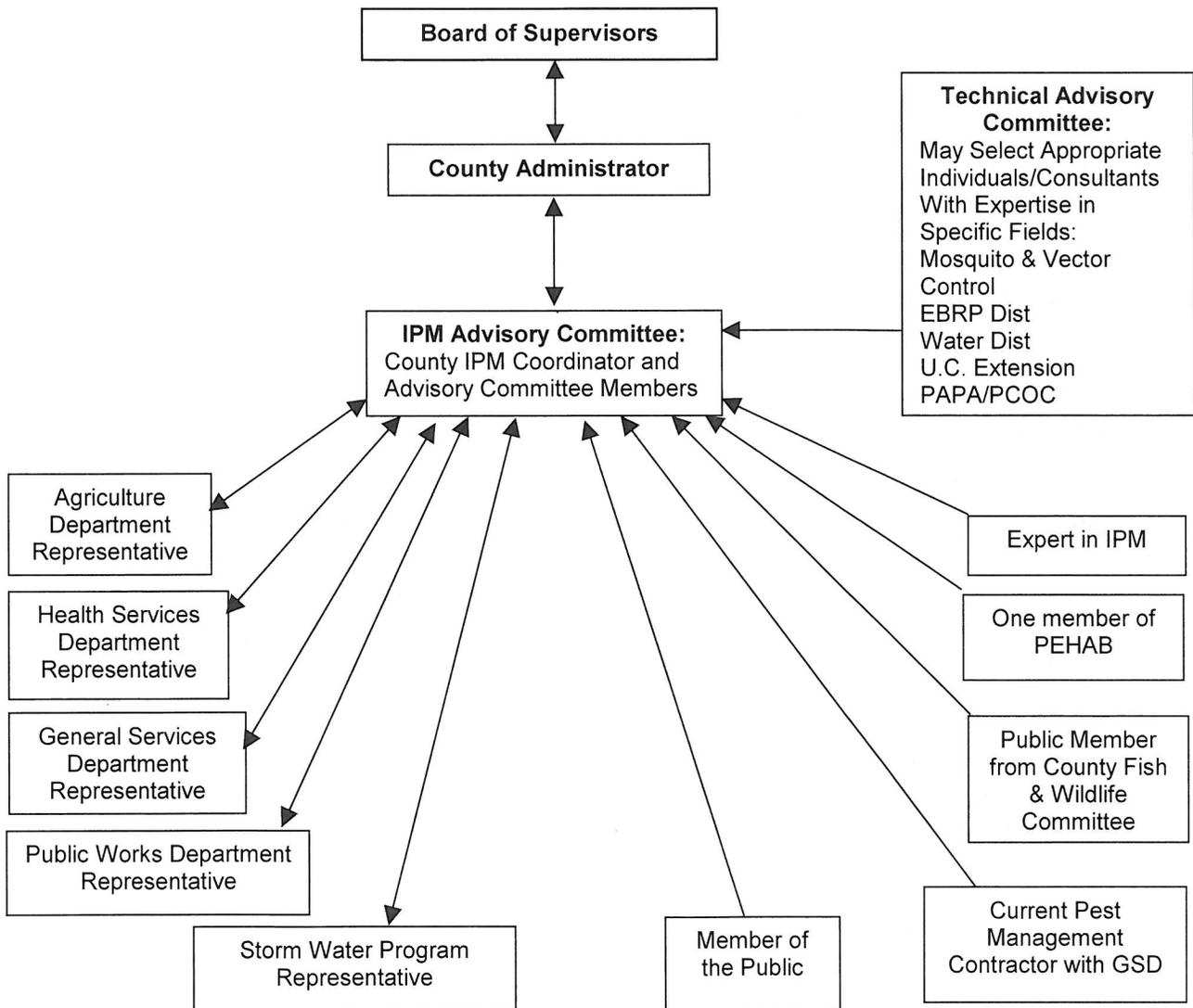
- In recognition that development, implementation and oversight of a County IPM Program requires allocation of resources, the position of County IPM Coordinator should be established and funded. The County IPM Coordinator will serve as a resource for Department Heads to insure compliance with the County IPM policy. The County IPM Coordinator is required to also work as part of the IPM Advisory Committee to assist Department Heads in identifying priorities and in acquiring data to properly evaluate pest control needs and appropriate solutions.
- The County IPM Coordinator will serve as chair of the IPM Advisory Committee.
- The County IPM Coordinator will provide two annual updates to the PEHAB and Fish and Wildlife Committees.

Create an IPM Advisory Committee to Assist Departments in Reviewing Pest Control Solutions and Related Costs or Impacts.

- An IPM Advisory Committee will be created consisting of the County IPM Coordinator, Department IPM Coordinators, a University of California technical and advisory member, one Public and Environmental Health Advisory Board member, a public member from the County Fish & Wildlife Committee and one representative selected to represent both the Pesticide Applicators Professional Association and the Pest Control Operators of California. The Advisory Committee will serve as a resource to help both Department Heads and the Board of Supervisors review and improve existing programs and the processes of making pest management decisions.
- The IPM Advisory Committee may use Technical Advisory Committees to develop information regarding pest control decisions. The IPM Technical Advisory Committee will include a representative from East Bay Regional Park District, Contra Costa Mosquito & Vector Control District, Contra Costa Water District, the University of California Cooperative Extension, Pesticide Applicators Professional Association and/or Pest Control Operators of California and other appropriate representatives with expertise in a specific field.
- Information regarding preferred pest control solutions must include data regarding comparative efficacy, cost, environmental impact and hazards to the public and applicator. Information and recommendations must be based on the best science available.
- The IPM Advisory Committee would also work with the County IPM Coordinator to develop IPM training programs for County Departments and their employees to assist in compliance with the county's IPM policy. Additional support could also be provided to County Departments who wish to develop public outreach programs to address environmental and public health concerns.

Provide Annual IPM Training and Outreach Programs to Address the Needs of County Departments and Employees.

- Training programs will be developed under the direction of County IPM Coordinator with the concurrence of the IPM Advisory Committee to ensure that Department Facilities Coordinators understand IPM techniques and County policy. Utilizing resources such as the U.C. Pest Management Guidelines that have been developed by the University of California Statewide IPM Program, training classes on integrated pest management techniques will be developed and made available for County employees.
- Public outreach programs to address environmental and health concerns will also be developed to compliment existing county programs.



**Contra Costa County Unincorporated Trash Hot Spot Submittal
2011**

Number of Hot Spots Required: 1
Water Board Region: Region 5: Central Valley

Hot Spot 01:

Site ID#: CCC-CV01
 Lat: N 37.96807
 Long: W 121.68301
 Watershed: Lower Marsh Creek
 Waterbody: Marsh Creek
 Ownership: FCD
 Jurisdiction(s): Unincorporated (Oakley)

Top 4 Types of Trash Removed:	(by Item) Percentage:
Glass Pieces	46.9%
Styrofoam (pieces or pellets)	14.8%
Other Plastic Products	13.8%
Convenience/Fast Food Items	10.5%

Potential Trash Pathways/Sources:
 Illegal Dumping
 Trash Accumulation
 Litter

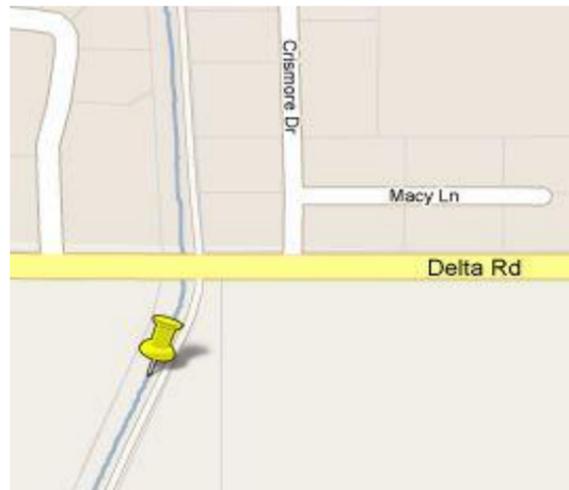
Photodocumentation (Before Cleanup)	
<u>CCC05_110414_AB_MID_1</u>	
<u>CCC05_110414_AB_LEFT_1</u>	
<u>CCC05_110414_BC_MID_1</u>	
<u>CCC05_110414_CD_MID_1</u>	
<u>CCC05_110414_DE_MID_1</u>	
<u>CCC05_110414_EF_MID_1</u>	
<u>CCC05_110414_FG_MID_1</u>	

Item:	(by Item) Percentage:
Plastic Bags	1.7%
Convenience/Fast Food Items	10.5%
Bottles (Plastic or Glass)	0.6%
Aluminum Cans	0.8%
Styrofoam (pieces or pellets)	14.8%
Other Plastic Products	13.8%
Paper and Cardboard	5.1%
Cigarette Butts	1.0%
Spray Paint Cans	0.0%
Metal products	1.8%
Biohazards	0.0%

Volume of Trash Removed During Cleanup:
 Size of trash bag (in gallons): 30
 Total # of bags: 1 = 27 lbs
 Plus car battery = 30 lbs
 Total debris removed = 57 lbs

Photodocumentation (After Cleanup)	
<u>CCC05_110416_AB_MID_2</u>	
<u>CCC05_110416_AB_LEFT_2</u>	
<u>CCC05_110416_BC_MID_2</u>	
<u>CCC05_110416_CD_MID_2</u>	
<u>CCC05_110416_DE_MID_2</u>	
<u>CCC05_110416_EF_MID_2</u>	
<u>CCC05_110416_FG_MID_2</u>	

Item:	(by Item) Percentage:
Construction Debris	0.6%
Toxic Substances	0.2%
Large Items	0.0%
Miscellaneous Items	0.9%
Fabric and Cloth	1.2%
Green Waste (inc. trees)	0.0%
Glass Pieces	46.9%
Golf or Tennis Balls	0.0%
Other	0.2%



Contra Costa County Unincorporated Trash Hot Spot Submittal

Number of Hot Spots Required: 4
Water Board Region: Region 2: San Francisco

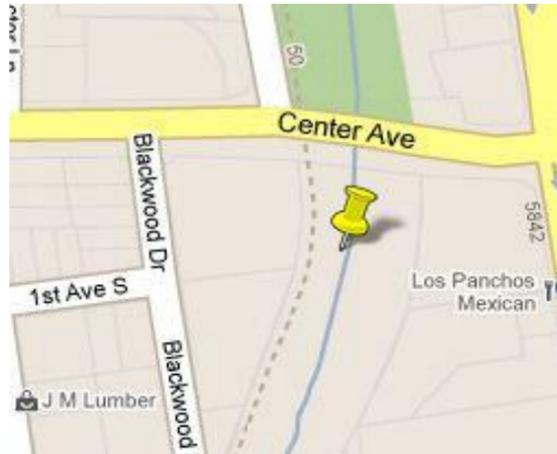
Hot Spot 01:

Site ID#: CCC-SF01
 Lat: N 37.98258
 Long: W 122.06876
 Watershed: Grayson Creek/Murderers
 Waterbody: Grayson Creek

Top 4 Types of Trash Removed:	(by Item) Percentage:
Plastic Products	29.7%
Convenience/Fast Food Items	16.6%
Paper and Cardboard	15.1%
Metal Products	10.6%

Volume of Trash Removed During Cleanup:
 Size of trash bag (in gallons): 30
 Total # of bags: 16 = 196 lbs.
 Plus 2 shopping carts = 85 lbs
 Total debris removed = 281 lbs.

Ownership: FCD
 Jurisdiction(s): Pacheco



Potential Trash Pathways/Sources:

- Illegal Dumping
- Trash Accumulation
- Litter
- Outfall
- Homeless Encampments

Photodocumentation (Before Cleanup)

- CCC01_110309_AB_mid_1
- CCC01_110309_AB_left_1
- CCC01_110309_BC_mid_1
- CCC01_110309_CD_mid_1
- CCC01_110309_DE_mid_1
- CCC01_110309_EF_mid_1
- CCC01_110309_FG_mid_1

Item:	(by Item)	Percentage:
Plastic Bags	6.9%	
Convenience/Fast Food Items	16.6%	
Bottles (Plastic or Glass)	2.5%	
Aluminum Cans	2.6%	
Styrofoam (pieces or pellets)	3.2%	
Other Plastic Products	29.7%	
Paper and Cardboard	15.1%	
Cigarette Butts	2.1%	
Spray Paint Cans	0.0%	
Metal products	10.6%	
Biohazards	0.1%	

Photodocumentation (After Cleanup)

- CCC01_110309_AB_mid_2
- CCC01_110309_AB_left_2
- CCC01_110309_BC_mid_2
- CCC01_110309_CD_mid_2
- CCC01_110309_DE_mid_2
- CCC01_110309_EF_mid_2
- CCC01_110309_FG_mid_2

Item:	(by Item)	Percentage:
Construction Debris	0.8%	
Toxic Substances	0.3%	
Large Items	0.4%	
Miscellaneous Items	3.0%	
Fabric and Cloth	1.8%	
Green Waste (inc. trees)	0.0%	
Glass Pieces	2.9%	
Balls ie. Golf, Tennis	0.8%	
Other	0.6%	

Hot Spot 02:

Site ID#: CCC-SF02
 Lat: N 38.02935
 Long: W 122.26482
 Watershed: Rodeo Creek
 Waterbody: Rodeo Creek
 Ownership: FCD
 Jurisdiction(s): Rodeo



Top 4 Types of Trash Removed:

	(by Item)	Percentage:
Paper and Cardboard	25.2%	
Other Plastic Products	21.3%	
Convenience/Fast Food Items	18.7%	
Bottles (Plastic or Glass)	4.9%	

Potential Trash Pathways/Sources:

- Illegal Dumping
- Trash Accumulation
- Litter

Photodocumentation (Before Cleanup)

- CCC02_110528_AB_MID_1
- CCC02_110528_BC_MID_1
- CCC02_110528_CD_MID_1
- CCC02_110528_DE_MID_1
- CCC02_110528_EF_MID_1
- CCC02_110528_FG_MID_1

Item:	(by Item)	Percentage:
Plastic Bags	4.6%	
Convenience/Fast Food Items	18.7%	

Volume of Trash Removed During Cleanup:

Size of trash bag (in gallons): 30
 Total # of bags: 17 = 149 lbs
 Plus shopping cart & large items = 358 lbs
 Total debris removed = 507 lbs

Photodocumentation (After Cleanup)

- CCC02_110528_AB_MID_2
- CCC02_110528_BC_MID_2
- CCC02_110528_CD_MID_2
- CCC02_110528_DE_MID_2
- CCC02_110528_EF_MID_2
- CCC02_110528_FG_MID_2

Item:	(by Item)	Percentage:
Construction Debris	0.9%	
Toxic Substances	0.9%	



Bottles (Plastic or Glass)	4.9%	Large Items	1.1%
Aluminum Cans	0.1%	Miscellaneous Items	3.7%
Styrofoam (pieces or pellets)	2.6%	Fabric and Cloth	1.8%
Other Plastic Products	21.3%	Green Waste (inc. trees)	0.2%
Paper and Cardboard	25.2%	Glass Pieces	2.8%
Cigarette Butts	4.5%	Golf or Tennis Balls	0.2%
Spray Paint Cans	0.0%	Other	1.8%
Metal products	2.9%		
Biohazards	1.8%		

Hot Spot 03:

Site ID#: CCC-SF03
 Lat: N 37.96122
 Long: W 122.36239
 Watershed: Wildcat Creek
 Waterbody: Wildcat Creek
 Ownership: FCD
 Jurisdiction(s): North Richmond @ Verde Ele

Top 4 Types of Trash Removed:

	(by Item)
Percentage:	
Other Plastic Products	29.8%
Convenience/Fast Food Items	21.1%
Plastic Bags	10.1%
Styrofoam (pieces or pellets)	9.0%

Volume of Trash Removed During Cleanup:

Size of trash bag (in gallons): 30
 Total # of bags: 27 = 205 lbs.
 Plus shopping cart, chairs, mattress = 345 lbs
 Total debris removed = 550 lbs.

Potential Trash Pathways/Sources:

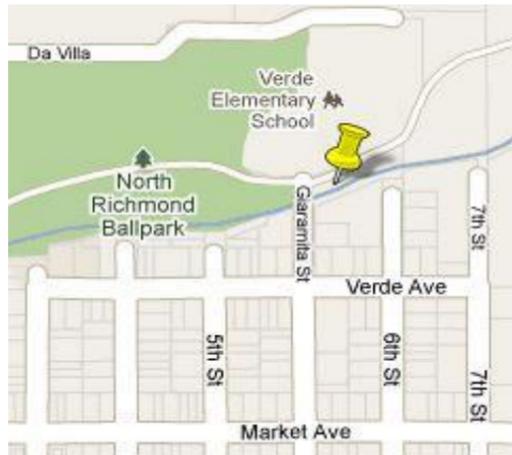
- Illegal Dumping
- Trash Accumulation
- Litter

Photodocumentation (Before Cleanup)

- CCC03_110419_AB_MID_1
- CCC03_110419_BC_MID_1
- CCC03_110419_CD_MID_1
- CCC03_110419_DE_MID_1
- CCC03_110419_EF_MID_1
- CCC03_110419_FG_MID_1
- CCC03_110419_FG_RIGHT_1

Photodocumentation (After Cleanup)

- CCC03_110423_AB_MID_2
- CCC03_110423_BC_MID_2
- CCC03_110423_CD_MID_2
- CCC03_110423_DE_MID_2
- CCC03_110423_EF_MID_2
- CCC03_110423_FG_MID_2
- CCC03_110423_FG_RIGHT_2



Item:

	(by Item)
Percentage:	
Plastic Bags	10.1%
Convenience/Fast Food Items	21.1%
Bottles (Plastic or Glass)	4.2%
Aluminum Cans	0.5%
Styrofoam (pieces or pellets)	9.0%
Other Plastic Products	29.8%
Paper and Cardboard	7.2%
Cigarette Butts	1.9%
Spray Paint Cans	1.2%
Metal products	2.0%
Biohazards	0.4%

Item:

	(by Item)
Percentage:	
Construction Debris	2.7%
Toxic Substances	0.4%
Large Items	2.7%
Miscellaneous Items	2.7%
Fabric and Cloth	2.7%
Green Waste (inc. trees)	0.0%
Glass Pieces	0.6%
Golf or Tennis Balls	0.1%
Other	0.8%

Hot Spot 04:

Site ID#: CCC-SF04
 Lat: N 37.96667
 Long: W 122.30943
 Watershed: San Pablo Creek

Top 4 Types of Trash Removed:

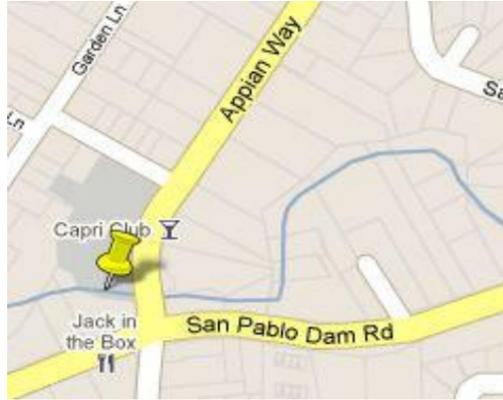
	(by Item)
Percentage:	
Convenience/Fast Food Items	22.7%
Cigarette Butts	13.6%
Other Plastic Products	13.1%
Paper and Cardboard	10.1%

Volume of Trash Removed During Cleanup:

Size of trash bag (in gallons): 30
 Total # of bags: 22 = 392 lbs.
 Plus safe, irrigation, pesticide sprayer = 139 lbs
 Total debris removed = 531 lbs.

Waterbody: San Pablo Creek
 Ownership: FCD
 Jurisdiction(s): El Sobrante

Potential Trash Pathways/Sources:
Illegal Dumping
Trash Accumulation
Litter
Homeless Encampments



Photodocumentation (Before Cleanup)
CCC04_110419_AB_MID_1
CCC04_110419_BC_MID_1
CCC04_110419_CD_MID_1
CCC04_110419_DE_MID_1
CCC04_110419_EF_MID_1
CCC04_110419_FG_MID_1

Photodocumentation (After Cleanup)
CCC04_110423_AB_MID_2
CCC04_110423_BC_MID_2
CCC04_110423_CD_MID_2
CCC04_110423_DE_MID_2
CCC04_110423_EF_MID_2
CCC04_110423_FG_MID_2

Item:	(by Item) Percentage:
Plastic Bags	9.7%
Convenience/Fast Food Items	22.7%
Bottles (Plastic or Glass)	5.3%
Aluminum Cans	1.4%
Styrofoam (pieces or pellets)	1.8%
Other Plastic Products	13.1%
Paper and Cardboard	10.1%
Cigarette Butts	13.6%
Spray Paint Cans	0.2%
Metal products	3.0%
Biohazards	0.2%

Item:	(by Item) Percentage:
Construction Debris	0.5%
Toxic Substances	1.1%
Large Items	0.7%
Miscellaneous Items	5.5%
Fabric and Cloth	6.2%
Green Waste (inc. trees)	0.4%
Glass Pieces	2.8%
Golf or Tennis Balls	0.0%
Other	1.8%

Contra Costa County Flood Control District Trash Hot Spot Submittal

Number of Hot Spots Required: 2
Water Board Region: Region 5: Central Valley

Hot Spot 01:

Site ID#: FCD-CV01
 Lat: N 37.95440
 Long: W 121.70036
 Watershed: Lower Marsh Creek
 Waterbody: Line E
 Ownership: FCD
 Jurisdiction(s): Brentwood

Top 4 Types of Trash Removed:
Styrofoam (pieces or pellets) 60.6%
Other Plastic Products 12.5%
Convenience/Fast Food Items 10.0%
Bottles (Plastic or Glass) 3.8%

Potential Trash Pathways/Sources:
Litter
Trash Accumulation

Volume of Trash Removed During Cleanup:
 Size of trash bag (in gallons): 30
 Total # of bags: 3 = 58 lbs
 Plus 1 piece wood = 10 lbs
 Total debris removed = 68 lbs



Photodocumentation (Before Cleanup)
FCD05_110323_AB_MID_1
FCD05_110323_BC_MID_1
FCD05_110323_CD_MID_1
FCD05_110323_DE_MID_1
FCD05_110323_EF_MID_1
FCD05_110323_FG_MID_1

Photodocumentation (After Cleanup)
FCD05_110323_AB_MID_2
FCD05_110323_BC_MID_2
FCD05_110323_CD_MID_2
FCD05_110323_DE_MID_2
FCD05_110323_EF_MID_2
FCD05_110323_FG_MID_2

(by Item)



Item:
Plastic Bags
Convenience/Fast Food Items
Bottles (Plastic or Glass)
Aluminum Cans
Styrofoam (pieces or pellets)
Other Plastic Products
Paper and Cardboard
Cigarette Butts
Spray Paint Cans
Metal products
Biohazards

Percentage:	Item:
2.9%	Construction Debris
10.0%	Toxic Substances
3.8%	Large Items
0.9%	Miscellaneous Items
60.6%	Fabric and Cloth
12.5%	Green Waste (inc. trees)
1.6%	Glass Pieces
0.0%	Golf or Tennis Balls
0.0%	Other
0.2%	
0.0%	

Percentage:
1.8%
0.5%
0.1%
0.7%
0.6%
0.0%
2.6%
1.1%
0.1%

Hot Spot 02:

Site ID#:	FCD-CV02
Lat:	FCD-CV02
Long:	N 37.95409
Watershed:	W 121.69789
Waterbody:	Lower Marsh Creek
Ownership:	Line E (Part 2)
Jurisdiction(s):	FCD Brentwood

Top 4 Types of Trash Removed:

Item:	Percentage:
Other Plastic Products	20.3%
Styrofoam (pieces or pellets)	20.0%
Convenience/Fast Food Items	18.4%
Glass Pieces	13.0%

Potential Trash Pathways/Sources:

Illegal Dumping
Trash Accumulation
Litter

(by Item)

Percentage:
20.3%
20.0%
18.4%
13.0%

Volume of Trash Removed During Cleanup:

Size of trash bag (in gallons): 30
 Total # of bags: 8 = 161 lbs
 Plus wood & piece shopping cart = 15 lbs
 Total debris removed = 176 lbs

Photodocumentation (Before Cleanup)

FCD06_110323_AB_MID_1
FCD06_110323_BC_MID_1
FCD06_110323_CD_MID_1
FCD06_110323_DE_MID_1
FCD06_110323_EF_MID_1
FCD06_110323_FG_MID_1

Photodocumentation (After Cleanup)

FCD06_110323_AB_MID_2
FCD06_110323_BC_MID_2
FCD06_110323_CD_MID_2
FCD06_110323_DE_MID_2
FCD06_110323_EF_MID_2
FCD06_110323_FG_MID_2



Item:
Plastic Bags
Convenience/Fast Food Items
Bottles (Plastic or Glass)
Aluminum Cans
Styrofoam (pieces or pellets)
Other Plastic Products
Paper and Cardboard
Cigarette Butts
Spray Paint Cans
Metal products
Biohazards

(by Item)

Percentage:
4.5%
18.4%
7.9%
1.3%
20.0%
20.3%
2.3%
2.0%
0.0%
2.7%
0.0%

Item:	Percentage:
Construction Debris	3.5%
Toxic Substances	0.9%
Large Items	0.4%
Miscellaneous Items	1.3%
Fabric and Cloth	0.2%
Green Waste (inc. trees)	0.0%
Glass Pieces	13.0%
Golf or Tennis Balls	0.9%
Other	0.3%

Contra Costa County Flood Control District Trash Hot Spot Submittal

Number of Hot Spots Required:

4

Water Board Region:

Region 2: San Francisco

Hot Spot 01:

Site ID#: FCD-SF01
 Lat: N 38.03332
 Long: W 121.96428
 Watershed: Willow Creek & Coastal Drain
 Waterbody: Riverside Ditch
 Ownership: FCD
 Jurisdiction(s): Bay Point



Top 4 Types of Trash Removed:	(by Item)
	Percentage:
Convenience/Fast Food Items	27.1%
Other Plastic Products	23.2%
Plastic Bags	11.0%
Metal products	10.7%

Potential Trash Pathways/Sources:

- Outfall
- Illegal Dumping
- Trash Accumulation
- Litter

Volume of Trash Removed During Cleanup:

Size of trash bag (in gallons): 30
 Total # of bags: 3 = 47 lbs.
 Plus carpet & large items = 204 lbs
 Total debris removed = 251 lbs.

Photodocumentation (Before Cleanup)

- FCD01_110316_AB_MID_1
- FCD01_110316_BC_MID_1
- FCD01_110316_CD_MID_1
- FCD01_110316_DE_MID_1
- FCD01_110316_EF_MID_1
- FCD01_110316_FG_MID_1

Item:	(by Item)
	Percentage:
Plastic Bags	11.0%
Convenience/Fast Food Items	27.1%
Bottles (Plastic or Glass)	5.4%
Aluminum Cans	1.5%
Styrofoam (pieces or pellets)	4.8%
Other Plastic Products	23.2%
Paper and Cardboard	9.8%
Cigarette Butts	0.3%
Spray Paint Cans	0.3%
Metal products	10.7%
Biohazards	0.3%

Photodocumentation (After Cleanup)

- FCD01_110316_AB_MID_2
- FCD01_110316_BC_MID_2
- FCD01_110316_CD_MID_2
- FCD01_110316_DE_MID_2
- FCD01_110316_EF_MID_2
- FCD01_110316_FG_MID_2

Item:	(by Item)
	Percentage:
Construction Debris	0.9%
Toxic Substances	0.0%
Large Items	0.0%
Miscellaneous Items	1.5%
Fabric and Cloth	1.8%
Green Waste (inc. trees)	0.0%
Glass Pieces	1.2%
Golf or Tennis Balls	0.0%
Other	0.3%

Hot Spot 02:

Site ID#: FCD-SF02
 Lat: N 37.97206
 Long: W 122.04797
 Watershed: Pine Creek/Gallindo Creek
 Waterbody: Pine Creek
 Ownership: FCD
 Jurisdiction(s): Concord



Top 4 Types of Trash Removed:	(by Item)
	Percentage:
Glass Pieces	74.7%
Metal products	3.8%
Miscellaneous Items	3.3%
Other Plastic Products	3.0%

Potential Trash Pathways/Sources:

- Illegal Dumping
- Trash Accumulation
- Litter

Volume of Trash Removed During Cleanup:

Size of trash bag (in gallons): 30
 Total # of bags: 14 = 223 lbs.
 Plus 2 shopping carts, bricks, appliances & large items = 444 lbs
 Total debris removed = 667 lbs.

Photodocumentation (Before Cleanup)

- FCD02_110511_AB_MID_1
- FCD02_110511_BC_MID_1
- FCD02_110511_CD_MID_1
- FCD02_110511_DE_MID_1

Photodocumentation (After Cleanup)

- FCD02_110511_AB_MID_2
- FCD02_110511_BC_MID_2
- FCD02_110511_CD_MID_2
- FCD02_110511_DE_MID_2



FCD02_110511_EF_MID_1	(by Item)
FCD02_110511_FG_MID_1	Percentage:
Item:	
Plastic Bags	1.8%
Convenience/Fast Food Items	2.5%
Bottles (Plastic or Glass)	1.3%
Aluminum Cans	1.0%
Styrofoam (pieces or pellets)	0.9%
Other Plastic Products	3.0%
Paper and Cardboard	2.4%
Cigarette Butts	1.4%
Spray Paint Cans	0.1%
Metal products	3.8%
Biohazards	0.2%

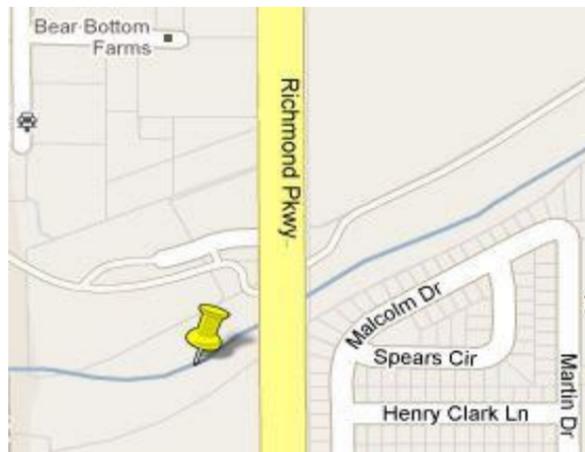
FCD02_110511_EF_MID_2	(by Item)
FCD02_110511_FG_MID_2	Percentage:
Item:	
Construction Debris	0.8%
Toxic Substances	1.2%
Large Items	0.9%
Miscellaneous Items	3.3%
Fabric and Cloth	0.5%
Green Waste (inc. trees)	0.0%
Glass Pieces	74.7%
Golf or Tennis Balls	0.1%
Other	0.0%

Hot Spot 03:

Site ID#: FCD-SF03
 Lat: N 37.95784
 Long: W 122.37455
 Watershed: Wildcat Creek
 Waterbody: Wildcat Creek
 Ownership: FCD
 Jurisdiction(s): North Richmond @EBRPD Sta

Top 4 Types of Trash Removed:	(by Item)
Styrofoam (pieces or pellets)	Percentage: 56.4%
Convenience/Fast Food Items	8.7%
Other Plastic Products	8.4%
Bottles (Plastic or Glass)	8.0%
Potential Trash Pathways/Sources:	
Illegal Dumping	
Trash Accumulation	
Litter	

Volume of Trash Removed During Cleanup:
 Size of trash bag (in gallons): 15 & 30
 Total # of bags: 20 small = 176 lbs.
 Total # of bags: 19 large = 359 lbs.
 Plus 10 tire, wood & large items = 655 lbs
 Total debris removed = 1190 lbs.



Photodocumentation (Before Cleanup)
FCD03_110419_AB_MID_1
FCD03_110419_BC_MID_1
FCD03_110419_CD_MID_1
FCD03_110419_DE_MID_1
FCD03_110419_EF_MID_1
FCD03_110419_FG_LEFT_1
FCD03_110419_FG_MID_1

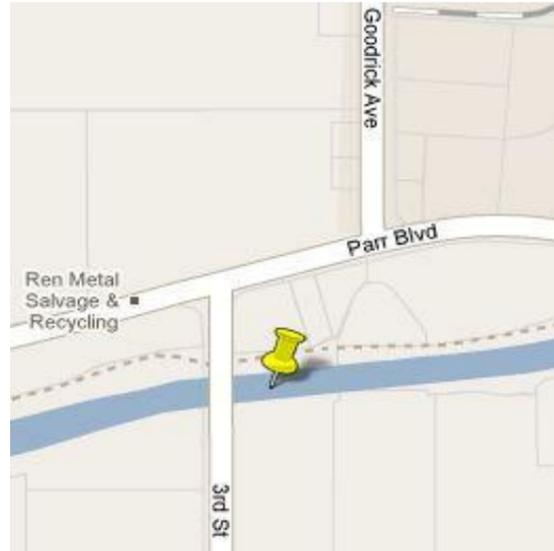
Photodocumentation (After Cleanup)
FCD03_110423_AB_MID_2
FCD03_110423_BC_MID_2
FCD03_110423_CD_MID_2
FCD03_110423_DE_MID_2
FCD03_110423_EF_MID_2
FCD03_110423_FG_LEFT_2
FCD03_110423_FG_MID_2

Item:	(by Item)
	Percentage:
Plastic Bags	1.4%
Convenience/Fast Food Items	8.7%
Bottles (Plastic or Glass)	8.0%
Aluminum Cans	0.5%
Styrofoam (pieces or pellets)	56.5%
Other Plastic Products	8.4%
Paper and Cardboard	0.7%
Cigarette Butts	0.9%
Spray Paint Cans	2.5%
Metal products	0.2%
Biohazards	0.1%

Item:	(by Item)
	Percentage:
Construction Debris	3.0%
Toxic Substances	3.2%
Large Items	0.6%
Miscellaneous Items	0.9%
Fabric and Cloth	1.1%
Yard Waste (inc. trees)	0.0%
Leaf Litter Piles	0.0%
Glass Pieces	1.9%
Golf or Tennis Balls	1.4%
Other	

Hot Spot 04:

Site ID#: FCD-SF04
 Lat: N 37.96754
 Long: W 122.36535
 Watershed: San Pablo Creek
 Waterbody: San Pablo Creek
 Ownership: FCD
 Jurisdiction(s): North Richmond



Top 4 Types of Trash Removed:

	(by Item)
Percentage:	
Styrofoam (pieces or pellets)	60.5%
Convenience/Fast Food Items	10.4%
Other Plastic Products	9.9%
Plastic Bags	6.8%

Potential Trash Pathways/Sources:
 Illegal Dumping
 Trash Accumulation

Volume of Trash Removed During Cleanup:
 Size of trash bag (in gallons): 30
 Total # of bags: 9 = 200 lbs.
 Plus shopping cart, wood pieces & large items = 210 lbs
 Total debris removed = 410 lbs.

Photodocumentation (Before Cleanup)

- FCD04_110419_AB_MID_1
- FCD04_110419_BC_MID_1
- FCD04_110419_CD_MID_1
- FCD04_110419_DE_MID_1
- FCD04_110419_EF_MID_1
- FCD04_110419_FG_MID_1

Item:	(by Item)
Percentage:	
Plastic Bags	6.8%
Convenience/Fast Food Items	10.4%
Bottles (Plastic or Glass)	4.2%
Aluminum Cans	0.8%
Styrofoam (pieces or pellets)	60.5%
Other Plastic Products	9.9%
Paper and Cardboard	1.0%
Cigarette Butts	0.4%
Spray Paint Cans	0.3%
Metal products	0.4%
Biohazards	0.1%

Photodocumentation (After Cleanup)

- FCD04_110419_AB_MID_2
- FCD04_110419_BC_MID_2
- FCD04_110419_CD_MID_2
- FCD04_110419_DE_MID_2
- FCD04_110419_EF_MID_2
- FCD04_110419_FG_MID_2

Item:	(by Item)
Percentage:	
Construction Debris	1.6%
Toxic Substances	0.5%
Large Items	0.3%
Miscellaneous Items	0.6%
Fabric and Cloth	0.9%
Green Waste (inc. trees)	0.0%
Glass Pieces	0.2%
Golf or Tennis Balls	0.9%
Other	0.4%