



City of Pleasant Hill

September 15, 2012

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

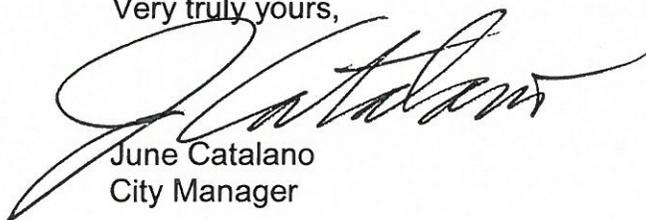
Ms. Pamela Creedon, Executive Officer
California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670-6114

Dear Mr. Wolfe and Ms. Creedon:

Enclosed is the 2011 - 2012 Annual Report for the City of Pleasant Hill, 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/or by Provision C.13 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.

Very truly yours,

A handwritten signature in black ink, appearing to read 'June Catalano', written over the typed name and title.

June Catalano
City Manager

Enclosure

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ATTACHMENT B

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Permittee Name: City of Pleasant Hill

Section 1 – Permittee Information

Background Information			
Permittee Name:	City of Pleasant Hill		
Population:	33,000		
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 / 2011 through June / 2012		
Name of the Responsible Authority:	June Catalano	Title:	City Manager
Mailing Address:	100 Gregory Lane		
City:	Pleasant Hill	Zip Code:	94523
		County:	Contra Costa
Telephone Number:	(925) 671-5267	Fax Number:	(925) 680-0294
E-mail Address:	jcatalano@ci.pleasant-hill.ca.us		
Name of the Designated Stormwater Management Program Contact (if different from above):	Roderick D. Wui, PE, CFM, QSD	Title:	Senior Civil Engineer
Department:	Public Works and Community Development		
Mailing Address:	100 Gregory Lane		
City:	Pleasant Hill	Zip Code:	94523
		County:	Contra Costa
Telephone Number:	(925) 671-5261	Fax Number:	(925) 676-1125
E-mail Address:	rwui@ci.pleasant-hill.ca.us		

Permittee Name: City of Pleasant Hill

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 CCCWP's FY 11-12 Annual Report for a description of activities implemented at the countywide and/or regional level.

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

Place 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:

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

Comments:

none

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:

<input checked="" type="checkbox"/>	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
<input checked="" type="checkbox"/>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:

none

Permittee Name: City of Pleasant Hill

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
X	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.
NA	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Comments: none	

C.2.d. ► Stormwater Pump Stations

Does your municipality own stormwater pump stations: Yes No

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). If a pump station is exempt from DO monitoring, explain why it is exempt.

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

¹ DO monitoring is exempted where all discharge from a pump station remains in a stormwater collection system or infiltrates into a dry creek immediately downstream.

Permittee Name: City of Pleasant Hill

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

Summary:
n/a

Attachments:
n/a

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)
n/a						

Permittee Name: City of Pleasant Hill

C.2.e. ► Rural Public Works Construction and Maintenance			
Does your municipality own/maintain rural ² roads:		<input type="checkbox"/>	<input checked="" type="checkbox"/> Yes
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: n/a			

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: City of Pleasant Hill

C.2.f. ► Corporation Yard BMP Implementation			
Place an X in the boxes below that apply to your corporations yard(s):			
<input 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 checked="" 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 checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment		
<input checked="" 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 checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method		
<input checked="" 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 checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants		
Comments: none			
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
Pleasant Hill Corpyard	October 12, 2011	Facilities operating OK	No modifications necessary

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

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:
 The C.3 New Development and Redevelopment section of the CCCWP's FY 11-12 Annual Report includes a description of activities conducted at the countywide and regional level.

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.

C.3.iii(3) Low Impact Development Reporting

(For FY 11-12 Annual Report only) Report the method(s) of implementation of Provision C.3.c.i in the 2012 Annual Report. For specific tasks listed in Provision C.3.c.i. that are reported using the reporting tables required for Provision C.3.b.v, a reference to those tables is adequate.

The City's stormwater ordinance requires every application for a development project to be accompanied by a stormwater control plan that meets the criteria in the most recent version of the CCCWP Program Stormwater C.3 Guidebook. The Guidebook has been updated to incorporate the requirements of Provision C.3.c.i. See the New Development and Redevelopment section of the CCCWP's FY 2011-2012 Annual Report for details.

Please see Table C.3.b.v. (1) for specific information on regulated projects approved during FY 11-12. Note that projects approved prior to December 1, 2011 were not required to fully implement the LID requirement in Provision C.3.c.i.

Permittee Name: City of Pleasant Hill

C.3.e.v. ▶ Alternative or In-Lieu Compliance with Provision C.3.c.

<i>(For FY 11-12 Annual Report only)</i> Did your agency make any ordinance/legal authority and procedural changes to implement Provision C.3.e.?	X	Yes.		No
<p>If yes, attach a copy of the ordinance/legal authority changes or provide a link to the document(s). Discuss any procedural changes made. The City's stormwater ordinance requires every application for a development project to be accompanied by a stormwater control plan that meets the criteria in the most recent version of the CCCWP Stormwater C.3 Guidebook. The Guidebook has been updated to incorporate the requirements of Provision C.3.e. See the New Development and Redevelopment section of the CCCWP's FY 2011-2012 Annual Report for details.</p>				
<i>(For FY 11-12 Annual Report and each Annual Report thereafter)</i> Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	X	Yes		No
<p>Comments (optional):</p>				

C.3.e.vi ▶ Special Projects Reporting

1. Has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?		Yes	X	No
2. Has your agency granted final discretionary approval of a project identified as a Special Project in the March 15, 2012 report? If yes, include the project in both the C.3.b.v.(1) Table, and the C.3.e.vi. Table.		Yes	X	No
<p>If you answered "Yes" to either question, 1) Complete Table C.3.e.vi . below. 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.</p>				

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.

(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:

The City has only one active C.3 site. The C.3 facilities are privately owned and maintained. During the annual inspection, the City inspector did not notice anything unusual or different from the previous year. The planter beds continued to be functional. A report is available for review at City Hall.

(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: The current program appears to be effective since there have been no reported or observed instances of problems. There were nor facilities that were found to be non-functional.

(4) During the reporting year, did your agency:

• Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?	X	Yes		No
• Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls?	X	Yes		No
• Inspect at least 20 percent of the total number of installed vault-based systems?	X	Yes		No

If you answered "No" to any of the questions above, please explain:

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 ⁹ , Street Address	Name of Developer	Project Phase No. ¹⁰	Project Type & Description ¹¹	Project Watershed ¹²	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹³	Total Replaced Impervious Surface Area (ft ²) ¹⁴	Total Pre- Project Impervious Surface Area ¹⁵ (ft ²)	Total Post- Project Impervious Surface Area ¹⁶ (ft ²)
Private Projects											
Community Center	320 Civic Drive	Pleasant Hill Recreation & Park District	n/a	Redevelopment – demolition of existing community center and construction of new center	Grayson Creek	2.3	2.3	0	21950	21950	21950
Oasis Christian Fellowship Church	2551 Pleasant Hill Road	Oasis Christian Fellowship	n/a	Redevelopment – demolition of existing church and construction of new facility and parking lot	Grayson Creek	2.4	2.4	7230	8800	32430	39660
Public Projects											
none											
Comments:											

⁹ Include cross streets

¹⁰ 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".

¹¹ 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.

¹² State the watershed(s) in which the Regulated Project is located. Optional but recommended: Also state the downstream watershed(s).

¹³ All impervious surfaces added to any area of the site that was previously existing pervious surface.

¹⁴ All impervious surfaces added to any area of the site that was previously existing impervious surface.

¹⁵ For redevelopment projects, state the pre-project impervious surface area.

¹⁶ 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 ¹⁷	Application Final Approval Date ¹⁷	Source Control Measures ¹⁸	Site Design Measures ¹⁹	Treatment Systems Approved ²⁰	Operation & Maintenance Responsibility Mechanism ²¹	Hydraulic Sizing Criteria ²²	Alternative Compliance Measures ^{23/24}	Alternative Certification ²⁵	HM Controls ^{26/27}
Private Projects										
Community Center	06/01/2011	07/26/2011	Storm drain stenciling, efficient irrigation	Minimize impervious areas	Bio-swale	O&M Agreement with private owner	2c	n/a	n/a	No HM controls since impervious area created or replaced is < 1ac
Oasis Christian Fellowship Church	05/06/2011	06/30/2011	Storm drain stenciling, efficient irrigation	Minimize impervious areas	Bio-swale	O&M Agreement with private owner	2c	n/a	n/a	No HM controls since impervious area created or replaced is < 1ac

Comments: none

¹⁷ For private projects, state project application deemed complete date and final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.
¹⁸ 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.
¹⁹ 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.
²⁰ 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.).
²¹ 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.
²² 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).
²³ 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.
²⁴ 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.
²⁵ Note whether a third party was used to certify the project design complies with Provision C.3.d.
²⁶ If HM control is not required, state why not.
²⁷ 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.	Approval Date ²⁸	Date Construction Scheduled to Begin	Source Control Measures ²⁹	Site Design Measures ³⁰	Treatment Systems Approved ³¹	Operation & Maintenance Responsibility Mechanism ³²	Hydraulic Sizing Criteria ³³	Alternative Compliance Measures ^{34/35}	Alternative Certification ³⁶	HM Controls ^{37/38}
Public Projects										
none										

Comments:
none

²⁸ For public projects, enter the plans and specifications approval date.

²⁹ 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.

³⁰ 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.

³¹ 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.).

³² 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.

³³ 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).

³⁴ 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.

³⁵ 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.

³⁶ Note whether a third party was used to certify the project design complies with Provision C.3.d.

³⁷ If HM control is not required, state why not.

³⁸ 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.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO)³⁹	Party Responsible⁴⁰ For Maintenance	Date of Inspection	Type of Inspection⁴¹	Type of Treatment/HM Control(s) Inspected⁴²	Inspection Findings or Results⁴³	Enforcement Action Taken⁴⁴	Comments/Follow-up
Hidden Creek Estates Subd	10,11, 20, 21, 31 Ava Lane	No	Private Property Owners	10/4/2011	Routine	Bio-retention	Proper O&M	None	Consultant & City staff inspection
Safeway	707 Contra Costa Blvd	Yes	Private Property Owner	2/16/2012	Initial	Bio-retention	Proper installation	None	None
In N Out Burger	570 Contra Costa Blvd	Yes	Private Property Owner	5/16/2012	Initial	Bio-retention	Proper installation	None	None

³⁹ Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.

⁴⁰ State the responsible operator for installed stormwater treatment systems and HM controls.

⁴¹ State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

⁴² 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.

⁴³ State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

⁴⁴ State the enforcement action(s) taken, if any, as appropriate and consistent with your municipality's Enforcement Response Plan.

C.3.e.vi.Special Projects Reporting Table

Reporting Period – December 1, 2011 – June 30, 2012

Project Name & No.	Permittee	Address	Application Submittal Date ⁴⁵	Status ⁴⁶	Description ⁴⁷	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category ⁴⁸	LID Treatment Reduction Credit Available ⁴⁹	List of LID Stormwater Treatment Systems ⁵⁰	List of Non-LID Stormwater Treatment Systems ⁵¹
none									Category A: Category B: Category C: Location: Density: Parking:	Category A: Category B: Category C: Location: Density: Parking:	Indicate each type of LID treatment system and the percentage of total runoff treated	Indicate each type of non-LID treatment system and the percentage of total runoff treated. Indicate whether minimum design criteria met or certification received

⁴⁵ Date that a planning application for the Special Project was submitted. If a planning application has not been submitted, include a projected application date.

⁴⁶ Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

⁴⁷ Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁴⁸ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁴⁹ For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

⁵⁰ List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

⁵¹ List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

Permittee Name: City of Pleasant Hill

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

Program Highlights

Provide background information, highlights, trends, etc.

Refer to the C.4. Industrial and Commercial Site Controls section of the CCCWP's FY 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** **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.

See attachment.

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.

See attachment.

Permittee Name: City of Pleasant Hill

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.

<input checked="" type="checkbox"/>	Permittee reports multiple discrete violations on a site as one violation.
<input type="checkbox"/>	Permittee reports the total number of discrete violations on each site.

	Number	Percent
Number of businesses inspected	54	
Total number of inspections conducted	59	
Number of violations (excluding verbal warnings)	6	
Sites inspected in violation	6	100%
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	6	100%
Comments: none		

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)	5
Potential discharge and other	1
Comments: none	

Permittee Name: City of Pleasant Hill

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) ⁴⁶	Number of Enforcement Actions Taken	% of Enforcement Actions Taken⁴⁷
Level 1	Warning Notice/Education	1	17%
Level 2	Notice of Violation	5	83%
Level 3	Formal Enforcement	0	0%
Level 4	Legal Action	0	0%
Total		6	100%

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 Category⁴⁸	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Assisted Living	1	0
Commercial	1	0
Contractor	1	0
Food Service	2	0
Property Management	0	1

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:

No industries were identified as non-filers during scheduled inspections during this fiscal year.

⁴⁶ Agencies to list specific enforcement actions as defined in their ERPs.

⁴⁷ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁴⁸ List your Program's standard business categories.

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C.4.d.iii ▶ Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Annual Stormwater Inspectors Workshop	6/7/2012	<ul style="list-style-type: none"> • Food Service Alternative Products; How to Enforce Local Ordinances for Food Ware (Lynne Scarpa, City of Richmond) • How to Identify Mercury and Copper during Stormwater Inspections (Colleen Henry, Central San) • Current Stormwater Enforcement Cases in Contra Costa County (Stacy Grassini, Contra Costa District Attorney) • How to Build Rapport with Businesses (Tim Potter, Central San) • Overview of Afternoon Field Trip: Richmond Pick N Pull (Elisa Wilfong, CCCWP) • Guided Tour and Mock Assessment of Richmond Pick N Pull 	1	50%
CWEA Pretreatment, Pollution Prevention, and Stormwater Annual Conference	2/27 -29/12	<ul style="list-style-type: none"> • Stormwater BMPs • Inspector training sessions • Outreach 	2	25%
Pacific Northwest CWA Annual Conference	9/18-19/11	<ul style="list-style-type: none"> • Stormwater BMPs • Inspector training sessions • Outreach 	1	13%
CWEA – NRTC	9/21-23/11	<ul style="list-style-type: none"> • Stormwater education and outreach • Controlling Mobile Washers • Overview of Draft General Industrial Permit • Spill Estimation Methods 	1	13%
Introduction to Criminal Environmental Investigations	9/27-29/11	<ul style="list-style-type: none"> • Investigation • Evidence • Case Development • Witness Training 	1	13%
CWEA Annual Conference	4/19-20/12	<ul style="list-style-type: none"> • Inspector Training • Stormwater BMPs • Outreach 	2	25%

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Hazardous Materials Investigator Training	6/25-29/12	<ul style="list-style-type: none">• Investigation• Evidence• Case Development• Interagency Coordination	1	13%
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Section 5 – Provision C.5 Illicit Discharge Detection and Elimination

Program Highlights

Provide background information, highlights, trends, etc.

Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 11-12 Annual Report for a description of activities conducted 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
Rod Wui	Senior Engineer	(925) 671-5261
Mike Lange	Code Enforcement Officer	(925) 671-5207
Mike Moore	Senior Maintenance Worker	(925) 671-5244

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:
 City staff responds to complaints of illicit discharges, and require the BMPs recommended by the BASMAA Mobile Surface Cleaners Program. Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 11-12 Annual Report for a description of efforts by CCCWP 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 FY.

Description:
 The City mapped its storm drain facilities in 1993 and maintains a City wide-drain system map book. Staff continuously improves this map by correcting errors and adding supplemental information (especially drains smaller than 36 inches). Each engineering staff member has this book, and it is also available at the counter. City staff still desires to map every junction, inlet, manhole, trash rack, and other appurtenant to improve the precision of our records. The City has also recently converted the map book into GIS, which will be implemented Citywide in the near future.

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))	1	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	0	0%
Discharges resolved in a timely manner (C.5.f.iii.(3))	0	0%
Comments: none		

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

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

There was one incident reported directly to the City. It was reported that there was a milky brown discharge underneath the bridge at Astrid Drive. However, staff investigation revealed that it was high turbidity of flow that was causing soil to disperse in the creek.

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)
2	1	12
<p>Comments: There was one site that disturbed >1 ac of soil (Pleasant Hill Recreation and Park District Senior and Teen Center Project) that is currently in construction. It is anticipated to be completed in Fall 2012. The other project (In N Out Burger) did not exceed 1 ac, but was determined to be high priority due to its proximity to Grayson Creek. That project was completed during the reporting period.</p>		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations⁴⁹	% of Total Violations⁵⁰
Erosion Control	0	0%
Run-on and Run-off Control	0	0%
Sediment Control	0	0%
Active Treatment Systems	0	0%
Good Site Management	0	0%
Non Stormwater Management	0	0%
Total		0%

⁴⁹ Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category.

⁵⁰ Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

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

	Enforcement Action (as listed in ERP) ⁵¹	Number Enforcement Actions Taken	% Enforcement Actions Taken ⁵²
Level 1		0	0%
Level 2		0	0%
Level 3		0	0%
Level 4		0	0%
Total		0	100%

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	0% ⁵³
Violations not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	0% ⁵⁴
Total number of violations for the reporting year ⁵⁵	0	0%
Comments: n/a		

⁵¹ Agencies should list the specific enforcement actions as defined in their ERPs.

⁵² Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁵³ 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.

⁵⁴ 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.

⁵⁵ 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.

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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:

There are no known issues to report.

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:

The program is effective. Staff informs applicants and contractors beforehand, and works with site staff daily on these requirements. This year the City also revised its tabular data form to comply with the requirements set forth by the RWQCB staff.

Refer to the C.6 Construction Site Control section of the CCCWP's FY 11-12 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
"How to Ensure Compliance with NPDES Construction Inspection Requirements (MRP Provision C.6)"	May 2, 2012	<ul style="list-style-type: none"> • MRP Provision C.6 Requirements • Construction General Permit Requirements • Construction BMPs • Construction Pollution Prevention for Small Sites • Compiling and Reporting Inspection Data 	1	50%

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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:

City staff participated in the CCCWP's Public Information & Participation Committee this year. Refer to the CCCWP's Annual Report, Section C.7, for reporting on all public information and outreach activities conducted countywide and/or regionally.

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:

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

	Survey report attached
X	Reference to regional submittal: Refer to the CCCWP's Program's Annual Report, Section C.7.

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 City regularly prints articles and advertisements on clean water program information in its bi-monthly Outlook newsletter. This newsletter is sent to all residents and businesses in Pleasant Hill (approximately 64,000) each year. The July/August 2011 newsletter had an advertisement for the City's free worm composting workshops held in July. The City also subsidizes the cost for compost bins for residents (\$50, retail \$130). The November/ December 2011 issue had the annual article on how to keep leaves and debris out of storm drains, as well as an article on how to reduce waste. The March/April 2012 and May/June 2012 issues had articles on the composting workshops held those months also.

"The following separate report developed by BASMAA summarizes media relations efforts conducted during FY 11-12:

- BASMAA Media Relations Final Report FY 11-12

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This report and any other media relations efforts conducted countywide or regionally are included within the C.7 Public Information and Outreach section of CCCWP's FY 11-12 Annual Report."

C.7.d ► Stormwater Point of Contact

Summary of any changes made during FY 10-11:
No change.

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
Art, Jazz and Wine Festival (Oct 8-9, 2011) Downtown Pleasant Hill	Festival for all ages, and families. Staff has a booth which has clean water promotional items which are provided to attendants. Promo items are related to used oil recycling, keeping our creeks clean, recycling, and how to use less pesticides.	Staff estimates that approx. 3,000 people attend over the 2 day period. About 200 brochures and promotional items are distributed.

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20 community events	Bicycle signage advertising	Very effective, the mobile sign covers large areas of the festivals, and attracts attention.
Our Water Our World	Tables with information at events and stores	OWOW program provides information on how to manage home and garden pests in a less toxic manner. Appears effective by diverting customers to less toxic products.

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:

The City supports the Friends of Pleasant Hill Creeks group by providing staff support and equipment when requested, and free advertising in the City's Outlook newsletter, and free refuse collection. The City and CCCWP also support the Green Business Program and provide staff support for the CC Watershed Forum.

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.

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		<ul style="list-style-type: none"> Data trends
Support Community Watershed Stewardship Grant Program	See CCCWP's Annual Report	See CCCWP's Annual Report

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 CCCWP's FY 11-12 Annual Report	Refer to the C.7 Section of the CCCWP's FY 11-12 Annual Report	Refer to the C.7 Section of the CCCWP's FY 11-12 Annual Report	Refer to the C.7 Section of the CCCWP's FY 11-12 Annual Report
Kids for the Bay	See attachment	2 teachers, 60 kids	See attachment

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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 FY 11-12, we contributed through the CCCWP 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 CCCWP, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of the CCCWP's FY 11-12 Annual Report.

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Section 9 – Provision C.9 Pesticides Toxicity Controls

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 Used⁵⁶

Pesticide Category and Specific Pesticide Used	Amount ⁵⁷				
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14
Organophosphates	See attachment	See attachment	See attachment		
Product or Pesticide Type A					
Product or Pesticide Type B					
Pyrethroids					
Product or Pesticide Type X					
Product or Pesticide Type Y					
Carbaryl					
Fipronil					

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.	12
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	12
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%

⁵⁶ Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁵⁷ Weight or volume of the product or preferably its active ingredient, using same units for the product each year.

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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: n/a			

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.
Summary: During FY 11-12, we participated in regulatory processes related to pesticides through contributions to the CCCWP, BASMAA and CASQA. For additional information, see the Regional Pollutants of Concern Report submitted by BASMAA on behalf of all MRP Permittees.

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?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> 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. n/a			

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 CCCWP's FY 11-12 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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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 CCCWP's FY 11-12 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.

Response to Water Board Staff Comments on Section 9, Provision C.9, of FY 10-11 Annual Report

Use this area to respond to any Water Board staff comments on Section 9 of your FY 10-11 Annual Report, and refer to any required submittals that are attached.

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Section 10 - Provision C.10 Trash Load Reduction

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

(For FY 10-11 Annual Report only) Provide description of actions/tasks initiated/conducted/completed in developing a Short-Term Trash Loading Reduction Plan (due February 1, 2012).

Description:

Our Short Term Trash Loading Reduction Plan was submitted to the Water Board on February 1, 2012. See the C.10 Trash Load Reduction section of CCCWP's FY 11-12 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

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

(For FY 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:

The Baseline Trash Load and Trash Load Reduction Tracking Method was submitted to the Water Board on February 1, 2012. See the C.10 Trash Load Reduction section of CCCWP's FY 11-12 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

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

(For FY 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 the Bay-area Wide Trash Capture Demonstration Project administered by San Francisco Estuary Partnership and an estimate of the total land area that is planned for treatment by July 1, 2014.

Description:

See the C.10 Trash Load Reduction section of the CCCWP's FY 11-12 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

The City installed 63 REM TRITON filters (under the Bay-area Wide Trash Capture Demonstration Project) in Jun 2012 in the downtown area, along Contra Costa Blvd., and around select neighborhood schools this year.

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

(For FY 10-11 Annual Report and Each Annual Report Thereafter) 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.

Trash Hot Spot	Cleanup Date	Volume of Material Removed	Dominant Type of Trash	Trash Sources (where possible)
Chilpancingo Parkway Bridge	April 30, 2012	2 CY	Yard waste	n/a
Cleveland & Astrid Bridge	May 21, 2012	2 CY	Miscellaneous items	n/a

C.10.d ► Summary of Trash Reduction Actions and Loads Reduced

Provide a summary of trash load reduction actions (i.e., control measures and best management practices) implemented within your jurisdictional boundaries during the reporting period to achieve a 40% trash load reduction goal by July 1, 2014. For those actions implemented in FY 2011-12, include brief descriptions of levels of implementation and the total trash loads and dominant types of trash removed from each action.

Trash Load Reduction Action	Summary Description of Action Implemented in FY 11-12	Estimated Trash Load Removed in FY 11-12 (Gallons) ⁵⁸	Estimated Percent Reduction as of FY 11-12 ⁵⁸	Estimated Dominant Types of Trash Removed in FY 11-12
Existing Enhanced Street Sweeping	Street Sweeping	179	1.6%	Leaves

⁵⁸The estimated load removed and percent reduction in FY 11-12 is consistent with assumptions described in the Trash Load Reduction Tracking Method Technical Report (version 1.0) submitted to the Water Board on February 1, 2012. In the future, load reductions reported in Annual Reports may be adjusted based on revisions to the tracking methodology.

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C.10.d ► Summary of Trash Reduction Actions and Loads Reduced

Provide a summary of trash load reduction actions (i.e., control measures and best management practices) implemented within your jurisdictional boundaries during the reporting period to achieve a 40% trash load reduction goal by July 1, 2014. For those actions implemented in FY 2011-12, include brief descriptions of levels of implementation and the total trash loads and dominant types of trash removed from each action.

Trash Load Reduction Action	Summary Description of Action Implemented in FY 11-12	Estimated Trash Load Removed in FY 11-12 (Gallons) ⁵⁸	Estimated Percent Reduction as of FY 11-12 ⁵⁸	Estimated Dominant Types of Trash Removed in FY 11-12
Public Education and Outreach Programs	Booths at city events, Kids for the Bay	437	3.9%	unknown
Activities to Reduce Trash from Uncovered Loads	Ordinance requirement	109	1.0%	soil
Anti-littering and Illegal Dumping Enforcement Activities	Standard maintenance activities	656	5.9%	unknown
Full-Capture Treatment Devices	Installed Triton filters in downtown, heavy commercial, and residential neat schools	2901	26.1%	unknown
Creek/Channel/Shoreline Cleanups	Volunteer creek group	500	4.5%	landscape
Total Estimated Trash Load Removed (Gallons) in FY 2011-12		4782		
Baseline Trash Load Estimate (Gallons)		11104		
Total Percentage Reduction in FY 2011-12 (Compared to Baseline Trash Load)		43.1%		

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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 the Countywide Program's Annual Report.

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.

Please refer to the FY 11-12 Countywide Program Annual Report for an estimate of the mass of mercury collected through collection and recycling efforts in the Countywide Program area.

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- 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 and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of CCCWP's FY 11-12 Annual Report and/or the BASMAA Regional POC Report.

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Section 12 - Provision C.12 PCBs Controls

C.12.a.ii,iii ▶ Ongoing Training

(For FY 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 FY 11-12 CCCWP 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 and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of CCCWP's FY 11-12 Annual Report and/or the BASMAA Regional POC Report.

Permittee Name: City of Pleasant Hill

Section 13 - Provision C.13 Copper Controls

C.13.a. iii.(1) ► Legal Authority: Architectural Copper

(For FY 10-11 Annual Report only) 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.
n/a

C.13.a.iii.(2) ► Training, Permitting and Enforcement Activities

(FY 11-12 Annual Report and each Annual Report thereafter) Provide summaries of activities implemented to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction including. :

- Development of BMPs on how to manage the water during and post construction
- Requiring the use of appropriate BMPs when issuing building permits
- Educating installers and operators on appropriate BMPs
- Enforcement actions taken again noncompliance

County developed materials are provided at the counter at City Hall.

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

(For FY10-11 Annual Report only) 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:

Permittee Name: City of Pleasant Hill

C.13.c ▶ Vehicle Brake Pads

Reported in a separate regional report.

A summary of the CCCWP's participation with the Brake Pad Partnership (BPP) is included within the C.13 Copper Controls section of CCCWP's FY 11-12 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
none

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

Report on progress of studies being conducted countywide or regionally to reduce copper pollutant impact uncertainties. State below if information is reported in a separate regional report.

Summary
A summary of the countywide and/or regional efforts to develop regional studies to reduce copper pollutant impact uncertainties is included within the C.13 Copper Controls section of the CCCWP's FY 11-12 Annual Report and/or BASMAA Regional POC Report.

Permittee Name: City of Pleasant Hill

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

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

Report on progress of studies being conducted countywide or regionally to characterize the distribution and pathways of PBDEs, legacy pesticides, and selenium. State below if information is reported in a separate regional report.

Summary

A summary of countywide 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 the CCCWP's FY 11-12 Annual Report and/or BASMAA Regional POC Report.

Permittee Name: City of Pleasant Hill

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: n/a				

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

<p>Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:</p> <ul style="list-style-type: none"> • 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.
<p>Summary: Refer to the C.3 New Development and Redevelopment C.7. Public Information and Outreach and C.9. Pesticide Toxicity Control sections of the CCCWP's FY 11-12 Annual Report for additional information on BMPs promoted countywide.</p> <p>The City requires implementation of source control measures for landscaping and outdoor pesticide use in development projects through conditions of approval.</p> <p>The City strongly encourages water conservation and reduced pesticide use through drought tolerant landscaping in development projects through conditions of approval.</p>

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 ⁵⁹ (NTU)	Implemented BMPs & Corrective Actions
n/a										

⁵⁹ Monitor the receiving water for turbidity if necessary and feasible. Include data in this column if available.

C.15.b.iii.(2) ► Unplanned Discharges of the Potable Water System ⁶⁰														
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L) ⁶¹	pH (standard units) ⁵²	Discharge Turbidity (Visual) ⁵²	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁶²	Inspector arrival time	Responding crew arrival time
n/a														

⁶⁰ This table contains all of the unplanned discharges that occurred in this FY.

⁶¹ Monitoring data is only required for 10% of the unplanned discharges. If you monitored more than 10% of your unplanned discharges, report all of the data collected.

⁶² Notification to Water Board staff is required for unplanned discharges where the chlorine residual is >0.05 mg/L and total volume is ≥ 50,000 gallons. Notification to State Office of Emergency Services is required after becoming aware of aquatic impacts as a result of unplanned discharge or when the discharge might endanger or compromise public health and safety.

Name	Address	City	Program Category
Aegis Living	1660 OAK PARK Blvd	Pleasant Hill	Assisted Living
Chateau I	2770 PLEASANT HILL Road	Pleasant Hill	Assisted Living
Chateau II	2726 PLEASANT HILL Road	Pleasant Hill	Assisted Living
Chateau III	175 CLEVELAND Road	Pleasant Hill	Assisted Living
Crestwood Healing Center	550 PATTERSON Blvd	Pleasant Hill	Assisted Living
Pleasant Hill Manor	40 BOYD Blvd	Pleasant Hill	Assisted Living
The Chateau at Poet's Corner	540 PATTERSON Blvd	Pleasant Hill	Assisted Living
C J's Saloon	548 CONTRA COSTA Blvd	Pleasant Hill	Bar Only
Farrington's Bar	1938 CONTRA COSTA Blvd	Pleasant Hill	Bar Only
Jack's Auto Body & Repair	199 MAYHEW Way B	Walnut Creek	Body Shop
Pleasant Hill Collision	1581 OAK PARK Blvd	Pleasant Hill	Body Shop
Kirby Carpet Cleaning	3330 VINCENT Road L	Pleasant Hill	Carpet Cleaner
Pinch Catering, Inc.	1941 OAK PARK Blvd 10	Pleasant Hill	Catering-Bus.
Van Noy Catering	131 LONGFELLOW Drive	Pleasant Hill	Catering-Bus.
All About The Fish	102 S 2nd Ave	Pleasant Hill	Commercial
All Seasons Insulation Company	3381 VINCENT Road D	Pleasant Hill	Commercial
Concord Feed	228 HOOKSTON Road	Pleasant Hill	Commercial
Cresco Xpress	2098 MONUMENT	Pleasant Hill	Commercial
Kelly Moore Paint Co.	1725 CONTRA COSTA Blvd	Pleasant Hill	Commercial
Sunshine Spa	1948 CONTRA COSTA Blvd	Pleasant Hill	Commercial
Target #330	560 CONTRA COSTA Blvd	Pleasant Hill	Commercial
Dynasty Roofing, Inc.	3330 VINCENT Road E	Pleasant Hill	Contractor
California Dental Ceramics	1825 CONTRA COSTA Blvd	Pleasant Hill	Dental Lab
Cosmetic Dental Ceramics	70 DORAY Drive 14B	Pleasant Hill	Dental Lab
Creative Dental Laboratory	2100 MONUMENT Blvd 15	Pleasant Hill	Dental Lab
Gold West Dental Laboratory	401 GREGORY Lane 246	Pleasant Hill	Dental Lab
Santos Dental Laboratory	1226 CONTRA COSTA Blvd	Pleasant Hill	Dental Lab
Custom Care Cleaners	2685 PLEASANT HILL Road	Pleasant Hill	Dry Cleaner
Grace Cleaners	690 GREGORY Lane	Pleasant Hill	Dry Cleaner
Hosanna Cleaners	1946 CONTRA COSTA Blvd	Pleasant Hill	Dry Cleaner
Norge Village Cleaners	220 GOLF CLUB Road	Pleasant Hill	Dry Cleaner
Oak Park Cleaners	1906 OAK PARK Blvd	Pleasant Hill	Dry Cleaner
One Hour Cleaners	508 CONTRA COSTA Blvd B	Pleasant Hill	Dry Cleaner
Paris Cleaners	2393 PLEASANT HILL Road	Pleasant Hill	Dry Cleaner
Park Avenue Cleaners	1643 CONTRA COSTA Blvd	Pleasant Hill	Dry Cleaner
PH Bargain Cleaners	2001 CONTRA COSTA Blvd A30	Pleasant Hill	Dry Cleaner
Pleasant Cleaners	2626 PLEASANT HILL Road	Pleasant Hill	Dry Cleaner
Royale Cleaners	704 CONTRA COSTA Blvd	Pleasant Hill	Dry Cleaner
Sisters Cleaners	2215 MORELLO Ave	Pleasant Hill	Dry Cleaner
Vogue Cleaners	100 LONGBROOK Way 6	Pleasant Hill	Dry Cleaner
Pacific States Petroleum	220 HOOKSTON Road	Pleasant Hill	Fleet Operations
Pleasant Hill Public Works Center	310 CIVIC Drive	Pleasant Hill	Fleet Operations
7-Eleven	601 PATTERSON Blvd	Pleasant Hill	Food Service
Back Forty Texas BBQ	100 COGGINS Drive	Pleasant Hill	Food Service
Bangkok Restaurant	1910 OAK PARK Blvd	Pleasant Hill	Food Service
Barnes & Noble Café #2644	552 CONTRA COSTA Blvd 90	Pleasant Hill	Food Service

Black Angus Restaurant	3195 N MAIN Street	Pleasant Hill	Food Service
Boston Market #1961	2180 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Burger King #1864	677 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Cafe Milano	716 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Carrow's Restaurant Inc.	624 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Casper Hot Dogs	6 VIVIAN Drive	Pleasant Hill	Food Service
Century Theaters	125 CRESCENT Drive	Pleasant Hill	Food Service
Chef Choy Chinese Restaurant	548 CONTRA COSTA Blvd W	Pleasant Hill	Food Service
Chevy's Mexican Restaurant	650 ELLINWOOD way	Pleasant Hill	Food Service
China Garden	2223 MORELLO Ave	Pleasant Hill	Food Service
Chipotle	60 CRESCENT Drive G	Pleasant Hill	Food Service
Chop Chop Korean BBQ	1428 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Cine Arts	2314 MONUMENT Blvd	Pleasant Hill	Food Service
Classic Catering	2653 PLEASANT HILL Road A	Pleasant Hill	Food Service
Coco Swirl	35 CRESCENT Drive E	Pleasant Hill	Food Service
Cold Stone Creamery	60 CRESCENT Drive J	Pleasant Hill	Food Service
Contra Costa Country Club	801 GOLF CLUB Road	Pleasant Hill	Food Service
Country Waffles	2390 MONUMENT Blvd A	Pleasant Hill	Food Service
Dallimonti's Italian Restaurant	1932 OAK PARK Blvd	Pleasant Hill	Food Service
Damo Sushi	508 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Daphne's Greek Café	55 CRESCENT Drive	Pleasant Hill	Food Service
Denny's	612 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Devino's Pizza & Pasta	2221 MORELLO Ave	Pleasant Hill	Food Service
Dickey's BBQ Pit	2634 PLEASANT HILL Road	Pleasant Hill	Food Service
Donut King	1607 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Donut's Delight	706 CONTRA COSTA Blvd	Pleasant Hill	Food Service
El Aguila Taqueria	1300 CONTRA COSTA Blvd 12	Pleasant Hill	Food Service
El Morocco	2203 MORELLO Ave	Pleasant Hill	Food Service
El Tapatio Mexican Restaurant	40 GOLF CLUB Road	Pleasant Hill	Food Service
Escape From Fisherman's Wharf	1661 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Flora's Gyros & Hot Dogs	240 GOLF CLUB Road	Pleasant Hill	Food Service
Giant Chef Burger Inc.	10 GOLF CLUB Road	Pleasant Hill	Food Service
Green Garden	1675 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Hookstone Cafe	3478 BUSKIRK Ave 130	Pleasant Hill	Food Service
In-N-Out Burger	570 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Jack in the Box	1817 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Jack's Restaurant & Bar	60 CRESCENT Drive 15A	Pleasant Hill	Food Service
Jamba Juice	65 CRESCENT Drive C	Pleasant Hill	Food Service
Jo's Sushi Bar	2217 MORELLO Ave	Pleasant Hill	Food Service
Kentucky Fried Chicken	635 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Kinder's Custom Meats	2227 MORELLO Ave	Pleasant Hill	Food Service
Kobe Japan	1918 OAK PARK Blvd	Pleasant Hill	Food Service
L&L Hawaiian Barbeque	60 CRESCENT Drive D	Pleasant Hill	Food Service
La Mordida	607 GREGORY Lane 140	Pleasant Hill	Food Service
Latte Da Espresso & More	1902 OAK PARK Blvd	Pleasant Hill	Food Service
Little Dragon Restaurant	270 GOLF CLUB Road	Pleasant Hill	Food Service
Little Red Bistro	690 GREGORY Lane 4	Pleasant Hill	Food Service

Magoo's Grill and Bar	1250 CONTRA COSTA Blvd 101	Pleasant Hill	Food Service
Matsu Sushi	1914 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Mazza Grill	35 CRESCENT Drive F	Pleasant Hill	Food Service
McDonald's	1690 CONTRA COSTA Blvd	Pleasant Hill	Food Service
McDonald's	65 CHILPANCINGO Parkway	Pleasant Hill	Food Service
Melo's Pizza	1660 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Meson Azteca	2237 MORELLO Ave	Pleasant Hill	Food Service
Mings	2653 PLEASANT HILL Road	Pleasant Hill	Food Service
MOA Korean BBQ	508 CONTRA COSTA Blvd Q	Pleasant Hill	Food Service
Molino's Raviolis	2150 PLEASANT HILL Road	Pleasant Hill	Food Service
Mr. Lucky's	2618 PLEASANT HILL Road	Pleasant Hill	Food Service
Nama Sushi	2375 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Nation's Giant Hamburger	1900 CONTRA COSTA Blvd A	Pleasant Hill	Food Service
New York Pizza	1649 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Ohana Hawaiian BBQ	2370 MONUMENT Blvd 2A	Pleasant Hill	Food Service
Original Pancake House	2059 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Outback Steakhouse	150 LONGBROOK Way	Pleasant Hill	Food Service
Panda Express	2380 MONUMENT Blvd A	Pleasant Hill	Food Service
Pasta Pomodoro	45 CRESCENT PLAZA C	Pleasant Hill	Food Service
Peet's Coffee & Tea #237	65 CRESCENT Drive A	Pleasant Hill	Food Service
Peking Boy	2290 MONUMENT Blvd	Pleasant Hill	Food Service
Pho Hoa An	1617 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Pho Lee Hoa Phat I	508 CONTRA COSTA Blvd P	Pleasant Hill	Food Service
Pizza Hut	1749 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Plaza Cafe	1912 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Pleasant Hill Senior Center	233 GREGORY Lane	Pleasant Hill	Food Service
Pleasant Hill Teen Center	147 GREGORY Lane	Pleasant Hill	Food Service
Posh Bagel	1420 CONTRA COSTA Blvd A	Pleasant Hill	Food Service
Quickly	60 GOLF CLUB Road A	Pleasant Hill	Food Service
Quiznos	55 CRESCENT Drive A	Pleasant Hill	Food Service
Round Table Pizza	1938 OAK PARK Blvd	Pleasant Hill	Food Service
Round Table Pizza	85 CHILPANCINGO Parkway	Pleasant Hill	Food Service
Rubio's	2390 MONUMENT Blvd D	Pleasant Hill	Food Service
See's Candies	1005 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Shaadzee Bakery & Café	60 CRESCENT Drive	Pleasant Hill	Food Service
Sichuan Fortune House	41 WOODSWORTH Lane	Pleasant Hill	Food Service
Sinful Bliss	35 CRESCENT Drive	Pleasant Hill	Food Service
Slow Hand BBQ	1941 OAK PARK Blvd	Pleasant Hill	Food Service
Starbucks	2370 MONUMENT Blvd B	Pleasant Hill	Food Service
Starbucks Coffee #5559	1900 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Subway	2360 MONUMENT Blvd C	Pleasant Hill	Food Service
Subway Sandwiches & Salads	1300 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Sunshine Cafe	1908 OAK PARK Blvd	Pleasant Hill	Food Service
Sweet Tomatoes	40 CRESCENT Drive A	Pleasant Hill	Food Service
Taco Bell	500 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Taco Bell #3003	1700 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Tahoe Joe's	999 CONTRA COSTA Blvd	Pleasant Hill	Food Service

Taqueria Los Gallos Express	1974 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Thai Osha	1968 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Thai Village Restaurant	670 GREGORY Lane F	Pleasant Hill	Food Service
The Fig Tree	1922 OAK PARK Blvd	Pleasant Hill	Food Service
The Spot Coffee & Beyond	60 GOLF CLUB Road	Pleasant Hill	Food Service
Three Brothers From China	2001 CONTRA COSTA Blvd A50	Pleasant Hill	Food Service
Three Thai Restaurant	1600 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Tugboat Fish & Chips #20	150 LONGBROOK Way F	Pleasant Hill	Food Service
Wing Stop	2380 MONUMENT Blvd C1	Pleasant Hill	Food Service
Yokoso Sushi	2380 MONUMENT Blvd D	Pleasant Hill	Food Service
Zachary's Pizza	140 CRESCENT Drive	Pleasant Hill	Food Service
Zen Restaurant	2642 PLEASANT HILL Road	Pleasant Hill	Food Service
Zio Fraedo's	611 GREGORY Lane	Pleasant Hill	Food Service
Buskirk Gas, Mart & Carwash	3210 BUSKIRK Ave	Pleasant Hill	Gas Station
Grayson Shell	2401 PLEASANT HILL Road	Pleasant Hill	Gas Station
Monument 76 (Valero)	2300 MONUMENT Blvd	Pleasant Hill	Gas Station
Pleasant Hill Chevron	1705 CONTRA COSTA Blvd	Pleasant Hill	Gas Station
Safeway Gas Station	701 CONTRA COSTA Blvd	Pleasant Hill	Gas Station
Shell Station & Car Wash	606 CONTRA COSTA Blvd	Pleasant Hill	Gas Station
Sun Valley Chevron	698 CONTRA COSTA Blvd	Pleasant Hill	Gas Station
USA Gasoline	1616 OAK PARK Blvd	Pleasant Hill	Gas Station
Grayson Woods	400 IRON HILL Street	Pleasant Hill	Golf Course
County Square Market	510 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Grocery Outlet	1671 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Lucky's	155 CRESCENT Plaza	Pleasant Hill	Grocery Store
Safeway	1978 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Safeway	600 PATTERSON Blvd	Pleasant Hill	Grocery Store
Safeway #2941	707 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Smart & Final	2100 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Marriot Courtyard	2250 CONTRA COSTA	Pleasant Hill	Hotel
Residence Inn (Marriott)	700 ELLINWOOD way	Pleasant Hill	Hotel
Summerfield Suites	2611 CONTRA COSTA Blvd	Pleasant Hill	Hotel
Block Environmental Services	2451 ESTAND Way	Pleasant Hill	Laboratory
Cal Trans Materials Testing Laboratory	3451 VINCENT Road B	Pleasant Hill	Laboratory
URS Corporation	3440 VINCENT Road C	Pleasant Hill	Laboratory
Plant Décor	3330 VINCENT Road G	Pleasant Hill	Landscape
Reid Racing	1917 OAK PARK Blvd	Pleasant Hill	Machine Shop
Applied Optics, Inc.	3349 VINCENT Road	Pleasant Hill	Manufacturing
Sensor Sciences	3333 VINCENT Road #103	Pleasant Hill	Manufacturing
APTwater Inc. - formerly Applied Process Technology Inc.	2495 ESTAND Way	Pleasant Hill	Permitted IU
Diablo Valley College	321 GOLF CLUB Road	Pleasant Hill	Permitted IU
Leading Edge Termite Treatment	1250 CONTRA COSTA Blvd 201	Pleasant Hill	Pest Control
Pleasant Hill Aquatics Pool	468 BOYD Road	Pleasant Hill	Pool
Pleasant Hill Recreation and Park District	147 GREGORY Lane	Pleasant Hill	Pool

Central Building, LLC	508 CONTRA COSTA Blvd	Pleasant Hill	Property Mngt
Ellinwood Center	1300 CONTRA COSTA Blvd	Pleasant Hill	Property Mngt
Hillcrest Shopping Center	2239 MORELLO Ave	Pleasant Hill	Property Mngt
Regency Plaza Shopping Center	548 CONTRA COSTA Blvd	Pleasant Hill	Property Mngt
Two-Worlds Property Management	101 GREGORY Lane	Pleasant Hill	Property Mngt
PHSC	1855 CONTRA COSTA Blvd	Pleasant Hill	Property Owner
YMCA	350 CIVIC Drive	Pleasant Hill	Property Owner
Best Buy	3260 BUSKIRK Ave	Pleasant Hill	Retail
Diablo Stereo & Video	1934 OAK PARK Blvd	Pleasant Hill	Retail
Kmart	77 CHILPANCINGO Parkway	Pleasant Hill	Retail
Kragen Auto Parts	505 CONTRA COSTA Blvd	Pleasant Hill	Retail
Mark's Paints	44 GOLF CLUB Road	Pleasant Hill	Retail
Rite Aid	2140 CONTRA COSTA Blvd	Pleasant Hill	Retail
Toy's R Us #5803	568 CONTRA COSTA Blvd	Pleasant Hill	Retail
Walgreens	721 GREGORY Lane	Pleasant Hill	Retail
Christ the King Catholic School	195 BRANDON Road	Pleasant Hill	School/College
JFK University	100 ELLINWOOD Way	Pleasant Hill	School/College
Pleasant Hill Adventist Academy	796 GRAYSON Road	Pleasant Hill	School/College
Save On Smogs	1250 CONTRA COSTA Blvd 107	Pleasant Hill	Smog Test Center
AT&T Mary Glen Operations Center (Formally Pacific Bell)	100 MAYHEW Way	Pleasant Hill	Utility
AVH Auto Repair	1250 CONTRA COSTA Blvd 104	Pleasant Hill	Vehicle Sales
Automotive Maintenance Machine	199 MAYHEW Way J	Walnut Creek	Vehicle Service
Big O Tires #10	1845 CONTRA COSTA Blvd	Pleasant Hill	Vehicle Service
Cliff's Auto Pro Shop	1855 CONTRA COSTA Blvd E	Pleasant Hill	Vehicle Service
Contra Costa Cycles	1855 CONTRA COSTA Blvd	Pleasant Hill	Vehicle Service
Diablo Import Service	15 VIVIAN Drive E	Pleasant Hill	Vehicle Service
Expert Auto Care	2686 PLEASANT HILL Road	Pleasant Hill	Vehicle Service
Joseph's Lawnmower & Lock Shop, Inc	1551 OAK PARK Blvd	Pleasant Hill	Vehicle Service
Kunio's Automotive Repair	1855 CONTRA COSTA Blvd A	Pleasant Hill	Vehicle Service
Mike's Automotive Service	1855 CONTRA COSTA Blvd C	Pleasant Hill	Vehicle Service
Oak Park Auto Repair	1901 OAK PARK Blvd	Pleasant Hill	Vehicle Service
P & T Valero	2295 MORELLO Ave	Pleasant Hill	Vehicle Service
Pep Boys #968	520 CONTRA COSTA Blvd	Pleasant Hill	Vehicle Service
The Barn	199 MAYHEW Way D	Pleasant Hill	Vehicle Service
Timmons Auto & Truck Repair	2855 CONTRA COSTA Blvd D	Pleasant Hill	Vehicle Service
VIP Smog Center, Inc.	2049 CONTRA COSTA Blvd	Pleasant Hill	Vehicle Service

Planned Inspections for Pleasant Hill

(7/1/2012 to 6/30/2013)

Name	Address	Facility Type
Pinch Catering, Inc.	1941 OAK PARK Blvd 10	Catering-Bus.
Park Avenue Cleaners	1643 CONTRA COSTA Blvd	Dry Cleaner
La Mordida	607 GREGORY Lane 140	Food Service
Pleasant Hill Senior Center	233 GREGORY Lane	Food Service
Pleasant Hill Teen Center	147 GREGORY Lane	Food Service
The Fig Tree	1922 OAK PARK Blvd	Food Service
Safeway Gas Station	701 CONTRA COSTA Blvd	Gas Station
Safeway #2941	707 CONTRA COSTA Blvd	Grocery Store
Pleasant Hill Recreation and Park District	147 GREGORY Lane	Pool
Oak Park Auto Repair	1901 OAK PARK Blvd	Vehicle Service
Mr. Lucky's	2618 PLEASANT HILL Road	Food Service
Shaadzee Bakery & Café	60 CRESCENT Drive	Food Service
Jetalon Solutions, Inc.	3343 VINCENT Road B	Commercial
Original Pancake House	2059 CONTRA COSTA Blvd	Food Service
Zen Restaurant	2642 PLEASANT HILL Road	Food Service
Chop Chop Korean BBQ	1428 CONTRA COSTA Blvd	Food Service
Dickey's BBQ Pit	2634 PLEASANT HILL Road	Food Service
In-N-Out Burger	570 CONTRA COSTA Blvd	Food Service
Slow Hand BBQ	1941 OAK PARK Blvd	Food Service
Nama Sushi	2375 CONTRA COSTA Blvd	Food Service
Zachary's Pizza	140 CRESCENT Drive	Food Service
Giant Chef Burger Inc.	10 GOLF CLUB Road	Food Service
Summerfield Suites	2611 CONTRA COSTA Blvd	Hotel
Grayson Woods	400 IRON HILL Street	Golf Course
Pasta Pomodoro	45 CRESCENT PLAZA C	Food Service
Kelly Moore Paint Co.	1725 CONTRA COSTA Blvd	Commercial
Grace Cleaners	690 GREGORY Lane	Dry Cleaner
Hosanna Cleaners	1946 CONTRA COSTA Blvd	Dry Cleaner
One Hour Cleaners	508 CONTRA COSTA Blvd B	Dry Cleaner
Royale Cleaners	704 CONTRA COSTA Blvd	Dry Cleaner
Sisters Cleaners	2215 MORELLO Ave	Dry Cleaner
Custom Care Cleaners	2685 PLEASANT HILL Road	Dry Cleaner
Oak Park Cleaners	1906 OAK PARK Blvd	Dry Cleaner
Paris Cleaners	2393 PLEASANT HILL Road	Dry Cleaner
Pleasant Cleaners	2626 PLEASANT HILL Road	Dry Cleaner
Dallimonti's Italian Restaurant	1932 OAK PARK Blvd	Food Service
Mings	2653 PLEASANT HILL Road	Food Service
URS Corporation	3440 VINCENT Road C	Laboratory
Vogue Cleaners	100 LONGBROOK Way 6	Dry Cleaner
Hillcrest Shopping Center	2239 MORELLO Ave	Property Mngt
Norge Village Cleaners	220 GOLF CLUB Road	Dry Cleaner
Van Noy Catering	131 LONGFELLOW Drive	Catering-Bus.
Three Brothers From China	2001 CONTRA COSTA Blvd A50	Food Service
PH Bargain Cleaners	2001 CONTRA COSTA Blvd A30	Dry Cleaner
Mark's Paints	44 GOLF CLUB Road	Retail
Sunshine Cafe	1908 OAK PARK Blvd	Food Service
Kragen Auto Parts	505 CONTRA COSTA Blvd	Retail
7-Eleven	601 PATTERSON Blvd	Food Service
Hookstone Cafe	3478 BUSKIRK Ave 130	Food Service

Monument 76 (Valero)
Pleasant Hill Chevron
Shell Station & Car Wash
Subtotal: 52

2300 MONUMENT Blvd
1705 CONTRA COSTA Blvd
606 CONTRA COSTA Blvd

Gas Station
Gas Station
Gas Station

Enforcement Reinspections

Central Building, LLC
Crestwood Healing Center
Chipotle
Jack's Restaurant & Bar
Toy's R Us #5803

508 CONTRA COSTA Blvd
550 PATTERSON Blvd
60 CRESCENT Drive G
60 CRESCENT Drive 15A
568 CONTRA COSTA Blvd

Property Mngt
Assisted Living
Food Service
Food Service
Retail

Subtotal: 5

Permitted IUs

APTwater Inc. - formerly Applied Process
Technology Inc.
Diablo Valley College

2495 ESTAND Way
321 GOLF CLUB Road

Permitted IU
Permitted IU

Subtotal: 2

Total Planned Inspections: 59

Total Annual Goal= 54



WATERSHED ACTION PROGRAM INTERIM REPORT

PREPARED FOR
THE CITY OF PLEASANT HILL

KIDS for the BAY
1771 Alcatraz Avenue
Berkeley, CA 94703

INTRODUCTION

KIDS for the BAY is providing the Watershed Action Program (WAP) to two classes in the City of Pleasant Hill during the 2011-12 school year, reaching fifty-eight students, their families, and two teachers. We are thrilled to report that students and teachers are embracing hands-on science activities and experiments which engage them with their local watershed and inspire them to take action as environmental stewards.

Classroom lessons are complete in Ms. Sondra Runyan's fifth grade class at Pleasant Hill Elementary School and Ms. Julie Romero's third grade class at Fair Oaks Elementary School. Each class is currently planning for their action project and field trips for the two classes will take place at the Martinez Shoreline in April 2012. Highlights from the action projects and field trips will be included in the final report.

SUMMARY OF 2011-2012 CLASSROOM LESSONS

Students Understand how Local Bodies of Water are Connected

Learning about the local watershed and how water moves through it is an important component of the WAP. Because Murderer's Creek flows alongside the school campus at Pleasant Hill Elementary, all students in Ms. Runyan's fifth grade class were familiar with it. However, before the WAP, they did not realize how their local creek is connected with other bodies of water. During the first classroom lesson students completed hands-on activities which demonstrated this process. Said, a student who recently emigrated from Uzbekistan quickly understood this fundamental process. At the end of the lesson he proudly explained, "When it rains the water goes to Murderer's Creek, to the San Francisco Bay, then to the ocean." This knowledge stayed with the class throughout the program. For example, during the following lesson KftB Instructor Jonah Yamagata asked the class to describe the pathway of water through their watershed. The entire class shouted in unison, "From the creek, to the bay, to the ocean!"

Satellite Map Investigation

Students at Fair Oaks Elementary were fascinated by the various geographical features of the San Francisco Bay Area. During the satellite map investigation activity they searched a poster-sized map of the Bay Area for both familiar and unfamiliar landmarks. Students were especially curious to find places that they had heard of, or visited in the past. "I found the city of Pleasant Hill," reported a student, Carlos, pointing out his hometown on the map. "I went to San Francisco with my family," said one student, Kiliyah, "We crossed the Bay Bridge to get there and I found it on my map." This activity, and the hands-on focus of the WAP, totally engaged students in Ms. Romero's class including those who are not typically active learners. After the lesson she observed, "The program is going really great, my students are soaking it in. I am amazed how many landmarks they found during the satellite map activity. Even students that are not usually engaged

are really excited. Jeremiah, for instance, is often pretty apathetic in class but during the lesson he was enthusiastically participating.”

Storm Drains and Sewers

At the beginning of Lesson Two, two students, Carlos and Eriksoon, had questions about storm drains. “Does water that goes down the storm drains go into Grayson Creek?” asked Carlos, a student at Fair Oaks Elementary. Another student, Yelena, was curious about the sewer system. “That’s where water from our sink goes, right?” she asked. During the lesson the classes learned about both the storm drain and the sewer system, and the differences between them. “Garbage that goes down storm drains then goes to a nearby creek,” explained a student, Miguel. “Then the garbage could go to the Ocean,” added Samara.

Ms. Runyan’s students were especially intrigued to learn how sewer water is treated. “So what happens to all the ‘stuff’ in the sewer water after it’s taken out at the treatment plant?” asked a student named David. Mr. Yamagata explained various ways that the left-over solid waste is disposed of. At the end of the lesson a student, Said, expertly reiterated the pathway of water through the sewer system, illustrating his clear understanding of the concept: “Water goes down sinks and toilets, then goes through pipes to a place where it is cleaned, then the cleaned water goes into the bay,” he explained.

Marine Debris

The class understood that pollution can have harmful effects on wildlife. During Lesson Two students studied photographs of marine animals harmed by garbage and learned about the negative effects of marine debris. In Ms. Romero’s class a student, Josue, was surprised to learn that birds can mistake garbage for food. “In the picture there are all kinds of things from the bird’s stomach, like erasers and lighters,” he explained. “I didn’t know birds would eat those things.” A student in Ms. Runyan’s class, Bella, sadly observed, “The garbage taken from the bird’s stomach looks like candy, no wonder they eat it.” Another student, Anthony, shared, “I learned that turtles can eat plastic bags, and that can kill them.”

Neighborhood Clean-Up

After learning about the negative effects of pollution, both classes were eager to take action during the neighborhood clean-up activity and remove garbage from around their schools. On their way off campus, Ms. Runyan’s class crossed Murderer’s Creek over a small bridge. Looking down at the creek, one student, Kyle, observed, “There’s some garbage in the creek. Can we pick it up?” Unfortunately, it was not safe to collect this trash but the students were able to remove many plastic wrappers and other types of trash along the creek banks. The class continued through a residential neighborhood near the school and saw many storm drains which they recorded, along with trash collected, on their worksheets. Students found a lot of small pieces of trash. “This could have gone down a storm drain into the creek,” Ms. Runyan reminded them. Back in the classroom the class discussed how people could make good choices to protect their watershed from pollution. Students’ ideas included: recycling, fixing oil leaks, and throwing trash in the

garbage can. A student, Lily, even took the conversation one step further. “Even if we throw things away, it will still go to a landfill. It’s best to reduce the amount of garbage we make in the first place.” The class agreed.

Ms. Romero’s and Follow-Up WAP Teacher Ms. O’Connor’s classes conducted the neighborhood clean-up together. Their students were really excited to clean up a nearby park. On the way to the park students saw a number of storm drains, especially on the school grounds. The classes scoured the bushes and grounds of the park picking up plastic, paper, and other types of pollution. “We found a lot of cigarettes,” reported one student, Destinae. They even collected an empty cigarette package right before it went down a storm drain! Afterward, the students were very proud that they cleaned up their environment and gave themselves a round of applause for the work they did. The two classes collected fourteen pounds of trash! Back in class, Ms. O’Connor led her students in a math graphing exercise where they graphed the total amount of trash in each category. They worked together to make bar graphs of the information.

Food Chains and Biomagnification of Pollution

The classes learned how pollution can biomagnify through a food chain in Lesson Three. During the food chain game the students acted the role of animals in a bay food chain. After the activity students sat down to observe what was in each animals’ “stomach”. It was clear that the amount of energy, or food, increased with each animal traveling up the food chain. Mr. Yamagata explained that one of the two colors of plastic “plankton” was in fact pollution, and the class observed that the people, who were at the top of the food chain, received the most pollution in their bodies. “The anchovy only had five pieces of pollution and the person had twenty,” noticed a student, David. Another student Ivan observed, “The people get more pollution because each animal in the food chain eats pollution and then passes it on to the people.”

Dangers of Harmful Pesticides

Students at Fair Oaks Elementary were curious to learn about pesticides, which were not immediately familiar to many of them. Mr. Yamagata led the class in a discussion to define pests. Student offered many examples including flies, rats, and the kind of “worms” found in apples. Mr. Yamagata explained how pesticides are used to kill these types of pests, for instance, in gardens and farms. He asked the class, “But what might happen if the pesticides get into Grayson Creek?” A thoughtful student, Ericksoon, answered, “Fish in the creek might die.” Another student, Mayra, took the idea a step further. “If a bird eats a fish that has been poisoned then the bird could get poisoned too,” she said.

Students at Pleasant Hill Elementary were engaged in making a model landscape and completing an experiment that showed how pesticides can travel into nearby bodies of water. Students made predictions about what would happen when it rained on their model landscapes. “I think the pesticides will go into the bay,” predicted a student, Manuela. Once they completed the experiment a student, Kyle observed, “The pesticide went down through the rocks then into the bay.” Students completed a worksheet by describing and illustrating their observations of the experiment.

Bay Organism Investigations

After learning about pollution in the bay the students investigated marine algae and bay animals. During the seaweed investigation, many students at Fair Oaks Elementary were surprised to learn that seaweed derivatives are in many common products. “I eat Twinkies and I didn’t know they have seaweed in them,” exclaimed a student, Destinae. Students loved studying the marine algae using their senses and although some were nervous to taste it, many overcame their fears and tried it. “It tasted pretty watery,” reported a student, Melina. Another student, Carlos, observed, “It’s slimy and smooth.” They compared two types of seaweed: re-hydrated kombu with dried nori. Student teacher Ms. Carroll encouraged them to compare and contrast the two. “How are they different?” she asked. Students held both of them up to the light, crinkled the dry nori and touched the slippery kombu, comparing their flavors.

The students enjoyed learning about the interesting anatomies of the Dungeness crab and striped bass fish. “I found the first dorsal fin on my fish and I think it is sharp to keep predators from attacking it,” explained a student, Claire. Another student, Manuela, touched the claws of the crab, “These are used for taking apart food, and for protecting itself,” she said. Students completed a worksheet with detailed observations of their chosen organism. Many students measured the width or length of their animal with a ruler to include in their organism descriptions. “My crab is twelve inches wide and it feels hard and bumpy,” observed a student, Jeremiah. Another student, Hugo, explained to Mr. Yamagata, “The word ‘camouflage’ is in our vocabulary list this week. The crab camouflages with its surroundings.”

A group of three girls decided to compare the different crab specimens. One of the students, Xintli, was especially curious about the animals. “Mr. Yamagata, do crabs have gills?” she asked. She observed differences between the three specimens: “Two of the crabs are small, and one is much larger,” she observed. Xintli said that she wanted to be a veterinarian when she grows up. “I love all animals,” she explained.

Environmental Justice

All students agreed that everyone has a right to live in a healthy environment and they also understood that some places can be more polluted than others. Ms. Runyan’s class studied a map which showed how polluting facilities are concentrated in specific areas near the San Francisco Bay. “I didn’t know that the City of Richmond has so much pollution,” stated a student, Kylie. In partners, students researched Environmental Justice Leaders from around the world. They learned how these people took action to address environmental problems in their communities. Students then gave presentations about their specific leaders to the entire class.

Program Impacts on Students and Teachers

Teachers recognized the positive impact of the WAP, and appreciated the exposure to science that the program provided. “The lessons helped students become more familiar with the area where we live. They are now aware of the impact of their actions and how they can help make the environment better,” wrote Ms. Romero following the classroom

lessons. A student teacher in Ms. Romero's class, Ms. Carroll, was especially excited about the possibilities of cross-discipline education through science instruction. "You can really tie so many different subjects into these science lessons like such as Math and English. So often students do not have opportunities for this type of education," she said. Ms. Carroll explained that at the previous school where she worked the students did not have science for the first four months of school. At Pleasant Hill Elementary, Ms. Runyan used the WAP to inspire and supplement her fifth graders' science education experiences.

ACTION PROJECTS

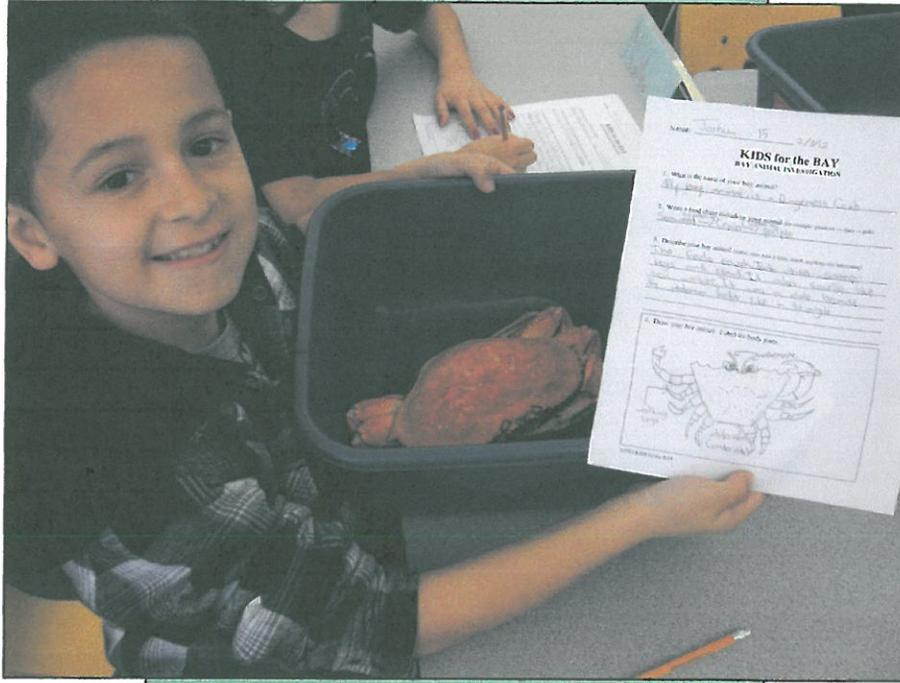
KftB Instructor Jonah Yamagata is currently working with Ms. Romero and Ms. Runyan's classes to select and implement their action projects. Details and highlights from the projects will be included in the final report.

FIELD TRIPS

Mr. Yamagata will lead a field trip with both classes to the Martinez Shoreline in April, 2012. There, students will investigate the bay shoreline habitat and use scientific equipment to study local organisms and ecological processes. Highlights from the field trips will be included in the final report.

FOLLOW-UP PROGRAM

Ms. Terri O'Connor, third grade teacher at Fair Oaks Elementary, received training on the Watershed Action Program in her classroom during the 2009-10 school year. This school year she continues to teach the WAP during her second year of participation in the program. Ms. O'Connor received an equipment kit and Mr. Yamagata is supporting her as she successfully continues to teach the program to her new class of students. Details from the Follow-Up Program will be included in the final report.



KIDS for the BAY Watershed Action Program

City of Pleasant Hill
Classroom Lesson Highlights
2011-2012 School Year



Lesson One: Our Watershed



Students in Pleasant Hill studied local geography and identified Bay Area landmarks during a satellite map study activity.



Groups worked together to build a clay model of the San Francisco Bay, filled it with salt (blue) water and fresh (clear) water to create an estuary, then observed how pollution can spread through the waters.

Lesson Two: Taking Action for a Healthy Watershed



The classes cleaned-up their school's neighborhood and prevented garbage from going down storm drains. They recorded the types of pollution they found on a note-taking sheet.



These students from Fair Oaks Elementary collected fourteen pounds of garbage!

Lesson Three: Watershed Environmental Health and Food Chains



Students conducted an experiment showing how pesticides travel through a watershed. Students predicted what would happen when it “rained” on their models.



These groups observed how pesticides can travel through groundwater into a nearby creek.



The third and fifth grade students played the food chain game illustrating how pollution can biomagnify through a food chain.

Lesson Four: Bay Food Chains and Water Conservation



Students learned about bay organisms including seaweed, Dungeness crab and striped bass by conducting scientific investigations of real organisms.



Lesson Five: Environmental Justice and Taking Action



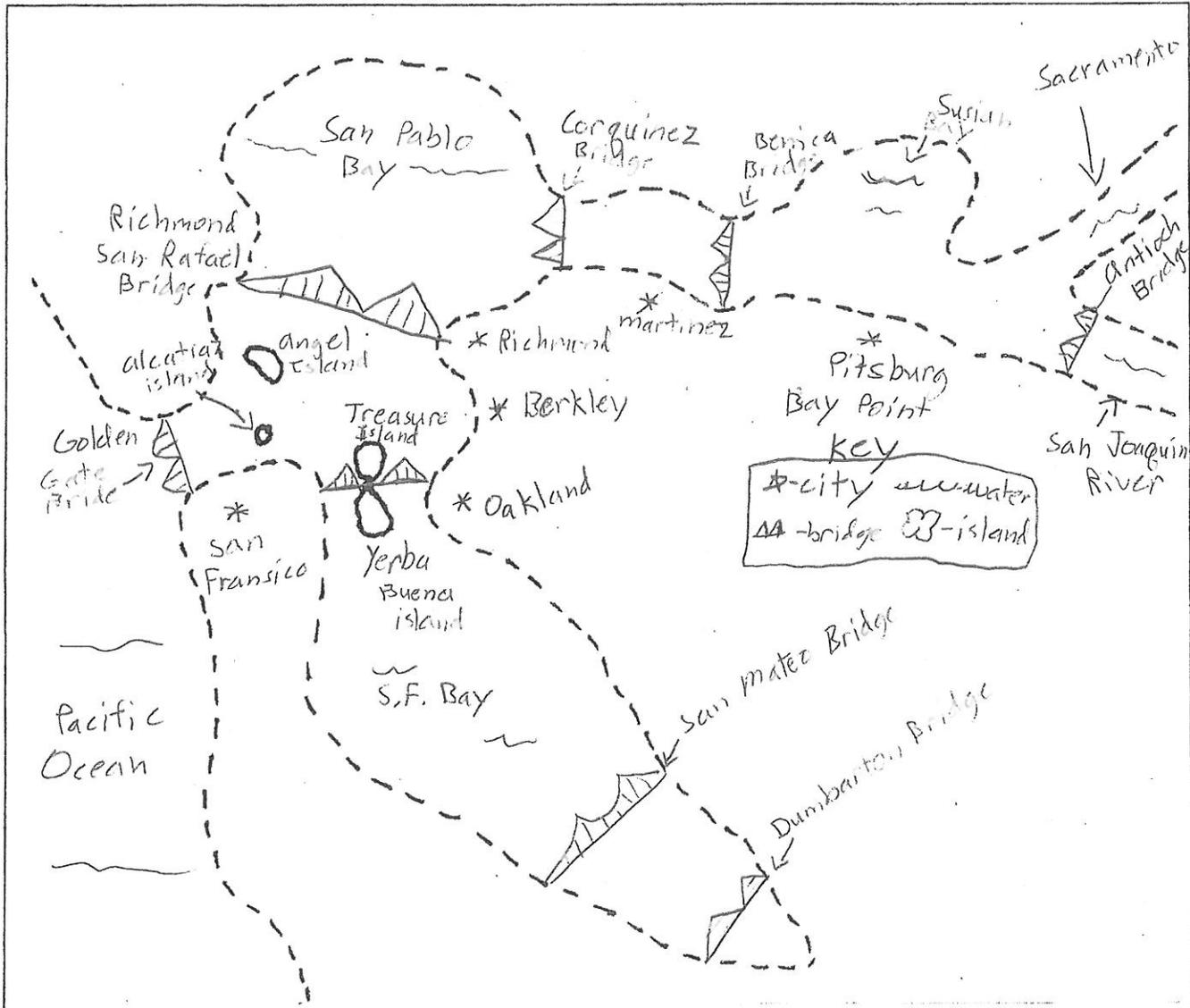
Students drew their own depictions of a “healthy environment” and an “unhealthy environment” and posted them on class collages.



Fifth graders at Pleasant Hill Elementary researched Environmental Justice Leaders from around the world then gave a group presentation about them to their classmates.

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1. Draw your Bay model by connecting the dotted lines.
2. Label the features (bodies of water, bridges, islands, cities, etc.).



2. Explain how the San Francisco Bay is an estuary.

It's a place where salt water and fresh water mix. Salt water comes from the Pacific Ocean and fresh water comes from the Sacramento and San Joaquin rivers. Then this water mixes in the San Francisco Bay.

Name of student:

BEN THARFA

Name of family member:

Carlos Ibarra

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Storm Drain Pollution Interview

Introduction: Ask a member of your family to sit down and talk with you about something important you have been learning in school.

Show your family member the picture on the back of this sheet. Explain what the picture shows. Let your family member know that you will be writing down their answers to some questions you are about to ask them.

1. What is a storm drain?

It's a drain that leads water to the bay and ocean.

2. Where does water from the storm drain go? Does storm drain water get cleaned?

The water of the storm drain goes to the bay and the ocean.
No it does not.

3. What is the difference between the storm drain system and the sewer system?

The sewer goes to a location where it is cleaned.

4. What types of pollution could get into the storm drain? Please list three.

a) Oil.

b) garbage.

c) paint.

5. How can you stop these types of pollution getting into the storm drains?

a) Do not litter.

b) Dispose of chemicals properly.

c) Do not use pesticides.

6. Why is this important?

Because it can kill animals and destroy our eco systems.

7. Make a pledge with your family member to prevent pollution from getting into storm drains. Write your pledge below.

I promise not to litter and to always dispose of harmful substances properly.

Parent/Guardian Signature: _____

CIbarra

Thank your family member for talking with you.

Nombre del estudiante: Galilea Vidales Nombre del miembro de familia: Aurora (Mama)
Joaquín (Papa)

KIDS for the BAY

Entrevista sobre la contaminación en las cuencas/vertientes

Introducción: Pídele a un miembro de tu familia que se siente contigo para discutir algo importante que has estado aprendiendo en la escuela.

Enséñale al miembro de tu familia el dibujo detrás de esta hoja. Déjale saber al miembro de tu familia que vas a escribir sus respuestas a las preguntas que le vas a preguntar.

1. ¿Qué es un desaguadero?

Donde baja la agua de las lluvias.

2. ¿A dónde se va el agua que entra al desaguadero? ¿Es limpiada el agua que entra al desaguadero?

A rios o lagos. No.

3. ¿Cuál es la diferencia entre un desaguadero y el sistema de alcantarilla?

la agua del desaguadero no la puedes limpiar y la de alcantarilla si.

4. ¿Qué tipos de contaminación podrían entrar al desaguadero? Mencione 3 tipos.

- basura
- aceite
- pesticidas

5. ¿Cómo puede uno evitar que estos tipos de contaminación entren a los desaguaderos?

- No tirar nada en el agua.
- Enseñando a la gente a limpiar.
- Recoger la basura que otros dejan.

6. ¿Porqué es esto importante?

Para mantener el lagos y rios limpios y proteger a los animales.

7. Haz una promesa junto con el miembro de tu familia para evitar que la contaminación entre en los desaguaderos. Escribe la promesa aquí.

NO tirar basura.

Firma del padre/guardián Aurora Torres Joaquin Vidales

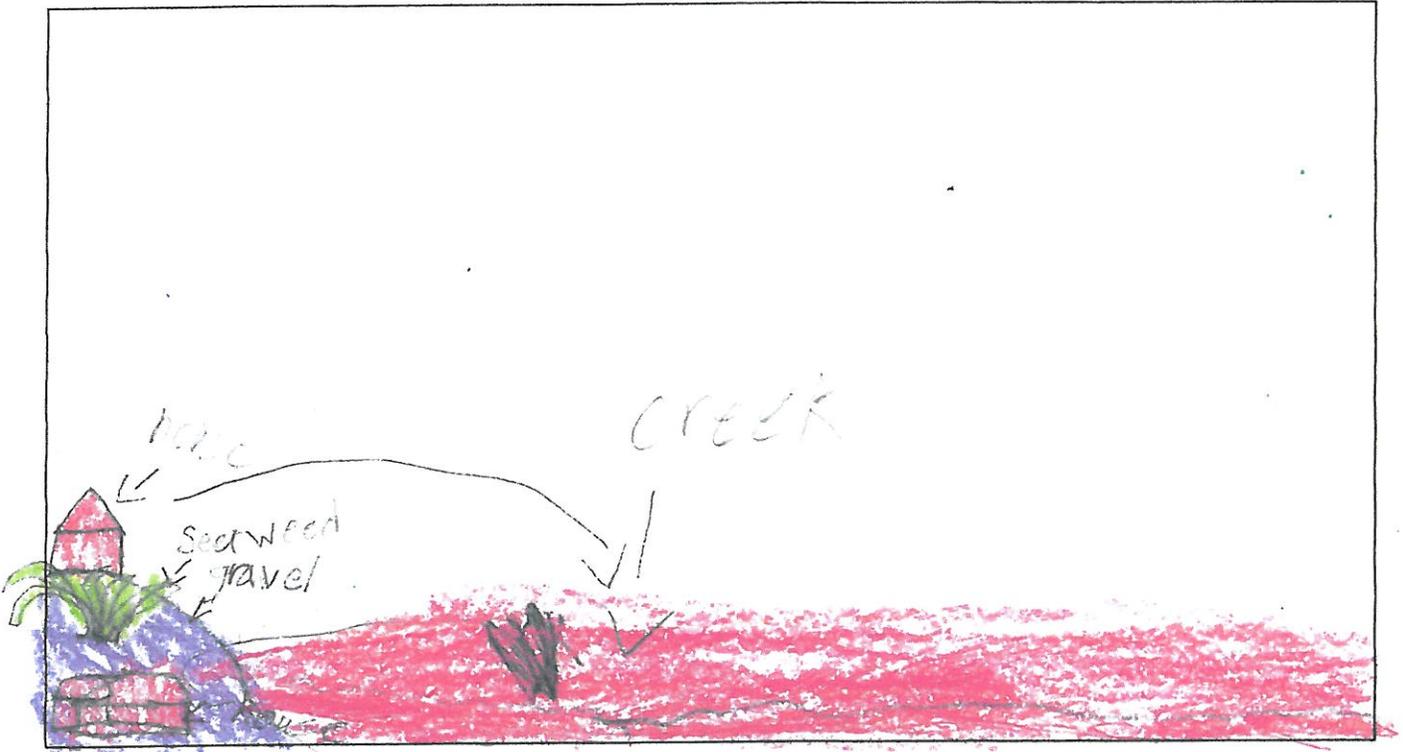
Dale las gracias al miembro de tu familia por hablar contigo.

Name: Cindy Garcia #7

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Pesticide Model Observations

1) Draw and label your Pesticide Model. Include the **gravel**, **house**, **plants**, and the **creek**.



2) Pesticides/herbicides have been sprayed on the plants in your Pesticide Model.

Predict what will happen when it "rains" in your Pesticide Model.

I predict when it rains the pesticide will go to the creek.

3) In your picture above, draw what you observed when it "rained" in your Pesticide Model.

4) Write what you observed when it "rained" in your Pesticide Model.

Vocabulary to include: **pesticide, herbicide, leach, toxic, pollution**

When it rained, the pesticides went to the creek and became toxic pollution, the houses went to the water.

NAME: Kayla Nguyen

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BAY ANIMAL INVESTIGATION

1. What is the name of your bay animal?

My bay animal is striped Bass.

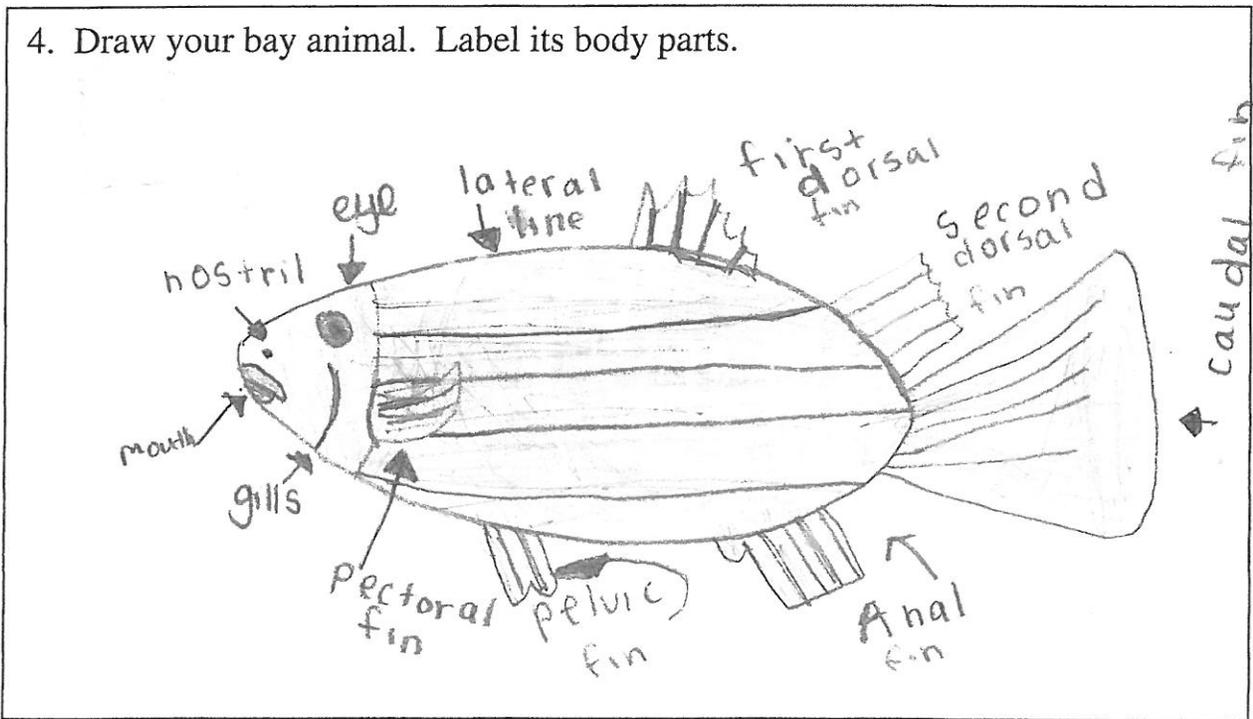
2. Write a food chain including your animal (for example: plankton → clam → gull).

platon → clam → striped Bass - person.

3. Describe your bay animal (color, size, how it feels, smell, anything else interesting).

My bay animal is gray and white. It also has 8 fins. The teeth are sharp. The nostril do not help them breathe. the gills does. It has lateral lines on the striped Bass.

4. Draw your bay animal. Label its body parts.



NAME: Maddie #

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BAY ANIMAL INVESTIGATION

1. What is the name of your bay animal?

The name of my bay animal is the Dungeness Crab.

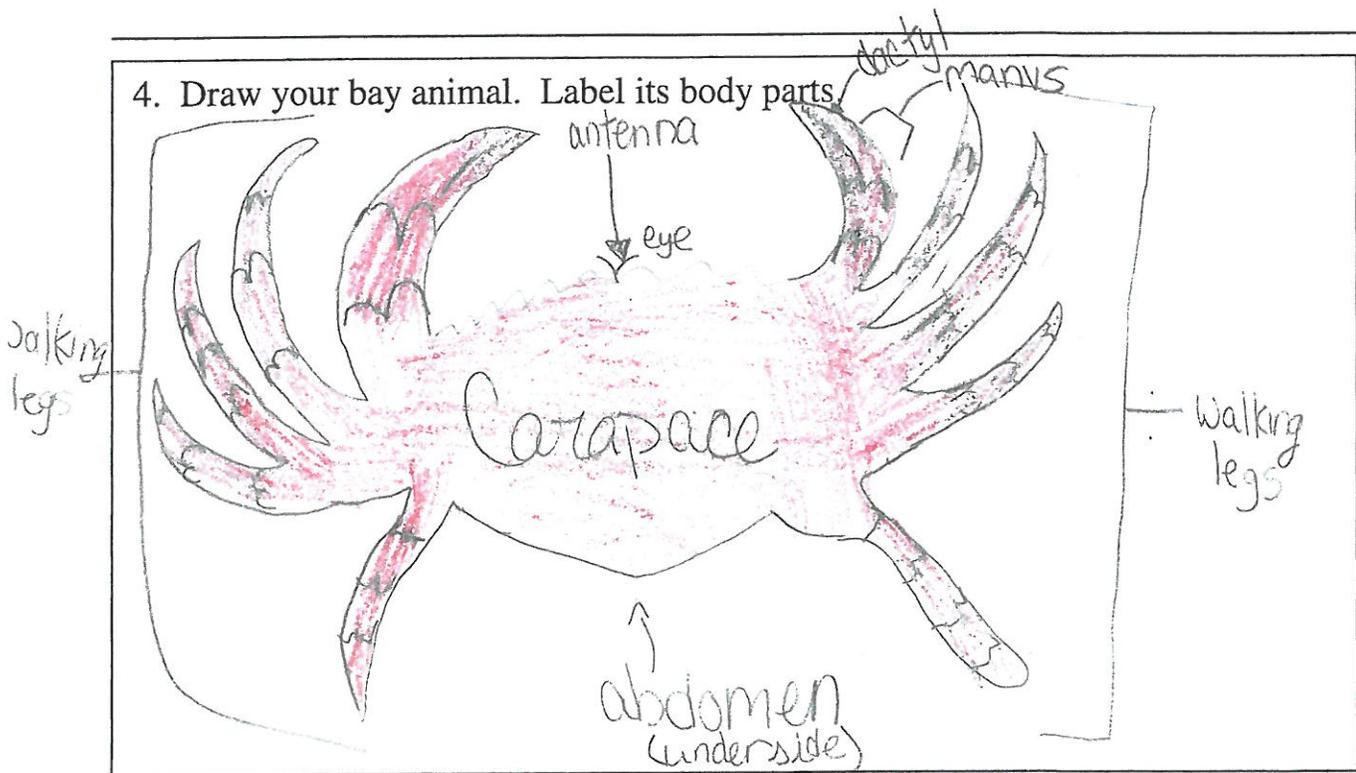
2. Write a food chain including your animal (for example: plankton → clam → gull).

plankton → shrimp → Crab → seal → shark → person

3. Describe your bay animal (color, size, how it feels, smell, anything else interesting).

The crab is different shades of red. It is about ten inches long. In some places the crab is tough. In other places it is very soft.

4. Draw your bay animal. Label its body parts.

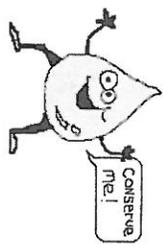


INSTRUCTIONS:

KIDS for the BAY Water Conservation Log

Name: Nadav 4

1. Choose ONE FULL DAY (from when you wake up to when you go to bed) to complete your water log. Write the date here: 12/7/11
2. I predict that I will use 100 gallons of water in one day.
3. Column A describes daily activities that use water.
4. Record the amount of water you use throughout the day in Column B (number of times, minutes, etc.).
5. After ONE FULL DAY, take the total for each activity in Column B and multiply it by the number in Column C.
6. Follow the directions in Column D to get the total number of gallons used for each activity.
7. Place each total in Column E. This is the number of gallons of water you used for each activity.
8. Add up all the numbers in Column E and write it below. This is the total gallons of water you used in one day.



A	B	C	D	E
Water-using activity	Record your water usage	Gallon conversion	Number of people in your house	Total gallons of water used for each activity
Flushed the toilet	Number of times: (use tally marks) <u> 1</u>	<u>X 4</u>	\div by <u>1</u>	<u>24 gallons</u>
<u>Minutes used the sink</u> (washing hands, brushing teeth, washing dishes, etc)	Number of minutes: (use tally marks) <u> 1</u>	<u>X 3</u>	\div by <u>1</u>	<u>21 gallons</u>
<u>Minutes you spent in the shower</u>	<u>8</u> minutes	<u>X 5</u>	\div by <u>1</u>	<u>40 gallons</u>
Did you take a bath? Circle YES or NO	YES = 50 NO = 0 (circle one)	<u>X 1</u>	\div by <u>1</u>	<u>0</u>
How many leaking faucets do you have?	Number of leaking faucets <u>0</u>	<u>X 20</u>	\div by _____ (# of people in your house)	<u>0</u>
How many leaking toilets do you have?	Number of leaking toilets <u>0</u>	<u>X 60</u>	\div by _____ (# of people in your house)	<u>0</u>
Did your family do laundry? How many loads?	Number of loads of laundry <u>1</u>	<u>X 55</u>	\div by _____ (# of people in your house)	<u>0</u>



The total gallons of water I used today: 85 gallons.

