



## City of Pleasant Hill

September 11, 2014

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

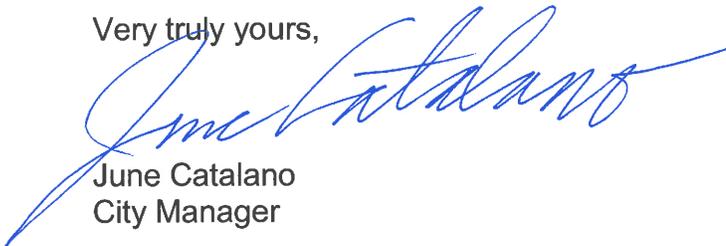
Ms. Pamela Creedon, Executive Officer  
California Regional Water Quality Control Board  
Central Valley Region  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Dear Mr. Wolfe and Ms. Creedon:

Enclosed is the 2013-14 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 possibility of fines and imprisonment for knowing violations.

Very truly yours,



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			
<b>Permittee Name:</b>	City of Pleasant Hill		
<b>Population:</b>	33,000		
<b>NPDES Permit No.:</b>	CAS612008 (San Francisco Bay RWQCB Permit)		
<b>Order Number:</b>	R2-2009-0074 (San Francisco Bay RWQCB Permit)		
<b>Reporting Time Period (month/year):</b>	July 2013 through June 2014		
<b>Name of the Responsible Authority:</b>	June Catalano	<b>Title:</b>	City Manager
<b>Mailing Address:</b>	100 Gregory Lane		
<b>City:</b>	Pleasant Hill	<b>Zip Code:</b>	94523
		<b>County:</b>	Contra Costa
<b>Telephone Number:</b>	925-671-5267	<b>Fax Number:</b>	925-680-0294
<b>E-mail Address:</b>	<a href="mailto:jcatalano@ci.pleasant-hill.ca.us">jcatalano@ci.pleasant-hill.ca.us</a>		
<b>Name of the Designated Stormwater Management Program Contact (if different from above):</b>	Roderick Wui, PE, CFM, QSD	<b>Title:</b>	Senior Civil Engineer
<b>Department:</b>	Public Works and Community Development		
<b>Mailing Address:</b>	100 Gregory Lane		
<b>City:</b>	Pleasant Hill	<b>Zip Code:</b>	94523
		<b>County:</b>	Contra Costa
<b>Telephone Number:</b>	925-671-5261	<b>Fax Number:</b>	925-676-1125
<b>E-mail Address:</b>	<a href="mailto:rwui@ci.pleasant-hill.ca.us">rwui@ci.pleasant-hill.ca.us</a>		

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 Program's FY 13-14 Annual Report for a description of activities implemented at the countywide and/or regional level.

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

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

Y	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
Y	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.
Y	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 a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of 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
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments: none

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

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

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

Comments: These activities were not performed by contract services during the reporting period.

**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 stations<sup>1</sup> (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
NA	NA	NA	NA	NA

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

Summary: NA

<sup>1</sup> 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

Attachments:

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)
NA	NA	NA	NA	NA	NA	NA

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

<sup>2</sup> Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

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<b>C.2.f. ► Corporation Yard BMP Implementation</b>			
Place an <b>X</b> 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 <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)		
Place an <b>X</b> in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type <b>NA</b> in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
<input 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:			
<b>Corporation Yard Name</b>	<b>Inspection Date</b> (1x/year required)	<b>Inspection Findings/Results</b>	<b>Follow-up Actions</b>
Pleasant Hill Corpyard	October 7, 2014	Facilities operating ok	No modifications necessary

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

**C.3.b.v.(2)(a) ► 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 13-14 Annual Report includes a description of activities conducted at the countywide or regional level.

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

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

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

(For FY 11-12 Annual Report and each Annual Report thereafter)

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	<b>Yes</b>		<b>No</b>
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Comments (optional):

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**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)?		<b>Yes</b>	X	<b>No</b>
2. Has your agency granted final discretionary approval of a project identified as a Special Project in the March 15, 2014 report? If yes, include the project in both the C.3.b.v.(1) Table, and the C.3.e.vi. Table.		<b>Yes</b>	X	<b>No</b>
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.				

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

(1) Fill in attached table <b>C.3.h.iv.(1)</b> 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 did not inspect any the existing commercial facilities this year, as they were all inspected after construction was completed within the last few years (In N Out, Safeway). The City did inspect newly constructed facilities(Pleasant Hill Community Center, Teen/Senior Center, Pleasant Oaks Park) to meet its 20% requirement for this reporting year. The City did not inspect the Rainbow Estates residential subdivision this year, as it is a low priority site, and was inspected last year.
(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 O&M program appears to be effective. There have been no reported incidents or problems in the newly constructed facilities. Since these facilities are professionally maintained by business owners, staff intends to conduct an inspection on a 3-5 year basis.
(4) During the reporting year, did your agency:

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<ul style="list-style-type: none"> <li>Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?</li> </ul>	X	<b>Yes</b>		<b>No</b>		<b>Not applicable. No new facilities were installed.</b>
<ul style="list-style-type: none"> <li>Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls?<sup>3</sup></li> </ul>	X	<b>Yes</b>		<b>No</b>		<b>Not applicable. No treatment measures</b>
<ul style="list-style-type: none"> <li>Inspect at least 20 percent of the total number of installed vault-based systems?</li> </ul>	x	<b>Yes</b>		<b>No</b>		<b>Not applicable. No vault systems.</b>
If you answered "No" to any of the questions above, please explain: NA						

**C.3.i. ► Required Site Design Measures for Small Projects and Detached Single Family Home Projects**

On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.

Summary:  
 The Contra Costa Clean Water Program adopted a December 1, 2012 addendum to the Stormwater C.3 Guidebook, 6<sup>th</sup> Edition. The addendum, "Preparing a Stormwater Control Plan for a Small Land Development Project," includes step-by-step instructions, a project data form, and standard specifications for runoff reduction measures. The City's stormwater ordinance requires that applications for development approvals for projects subject to the permit's new development requirements include a Stormwater Control Plan meeting the criteria in the most recent version of the Stormwater C.3 Guidebook.

<sup>3</sup> If there is only 1 treatment measure in the jurisdiction, the agency must inspect it every year.

**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 <sup>10</sup> , Street Address	Name of Developer	Project Phase No. <sup>11</sup>	Project Type & Description <sup>12</sup>	Project Watershed <sup>13</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>14</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>15</sup>	Total Pre- Project Impervious Surface Area <sup>16</sup> (ft <sup>2</sup> )	Total Post- Project Impervious Surface Area <sup>17</sup> (ft <sup>2</sup> )
<b>Private Projects</b>											
Tuscany Apartments	1460 Contra Costa Boulevard	Tuscany Apartments	NA	Exterior modification, demo/rebuild courtyard	Grayson Creek	1.44	0.30	0	13,000	30,500	28,200
<b>Public Projects</b>											
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: none											

<sup>10</sup> Include cross streets

<sup>11</sup> If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

<sup>12</sup> Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

<sup>13</sup> State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

<sup>14</sup> All impervious surfaces added to any area of the site that was previously existing pervious surface.

<sup>15</sup> All impervious surfaces added to any area of the site that was previously existing impervious surface.

<sup>16</sup> For redevelopment projects, state the pre-project impervious surface area.

<sup>17</sup> For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Application Deemed Complete Date <sup>18</sup>	Application Final Approval Date <sup>19</sup>	Source Control Measures <sup>20</sup>	Site Design Measures <sup>21</sup>	Treatment Systems Approved <sup>22</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>23</sup>	Hydraulic Sizing Criteria <sup>24</sup>	Alternative Compliance Measures <sup>25/26</sup>	Alternative Certification <sup>27</sup>	HM Controls <sup>28/29</sup>
<b>Private Projects</b>										
Tuscany Apartments	02/13/14	05/02/14	Storm drain stenciling, efficient irrigation	Minimize impervious surface areas	Bio-swale	O&M Agreement with private property owner	2c	NA	NA	No HM controls since no increase in impervious surface area
Comments: none										

<sup>18</sup> For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>19</sup> For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>20</sup> List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>21</sup> List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>22</sup> List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>23</sup> List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>24</sup> See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>25</sup> For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>26</sup> For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>27</sup> Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>28</sup> If HM control is not required, state why not.

<sup>29</sup> If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

Project Name Project No.	Approval Date <sup>30</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>31</sup>	Site Design Measures <sup>32</sup>	Treatment Systems Approved <sup>33</sup>	Operation & Maintenance Responsibility Mechanism <sup>34</sup>	Hydraulic Sizing Criteria <sup>35</sup>	Alternative Compliance Measures <sup>36/37</sup>	Alternative Certification <sup>38</sup>	HM Controls <sup>39/40</sup>
<b>Public Projects</b>										
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: none										

<sup>30</sup> For public projects, enter the plans and specifications approval date.

<sup>31</sup> List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>32</sup> List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>33</sup> List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>34</sup> List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>35</sup> See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>36</sup> For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>37</sup> For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>38</sup> Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>39</sup> If HM control is not required, state why not.

<sup>40</sup> If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

**C.3.h.iv. ► Table of 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) <sup>41</sup>	Party Responsible <sup>42</sup> For Maintenance	Date of Inspection	Type of Inspection <sup>43</sup>	Type of Treatment/HM Control(s) Inspected <sup>44</sup>	Inspection Findings or Results <sup>45</sup>	Enforcement Action Taken <sup>46</sup>	Comments/Follow-up
Hidden Creek Estates	10, 11, 20, 21, 31 Ava Lane	No	Private Property Owners	09/30/13	Routine	Bio-retention	Proper O&M	None	Priority site (every 1-2 yrs) Consultant and City staff inspection
Safeway	707 Contra Costa Blvd	No	Lessee	02/16/12	Initial	Bio-retention	Proper installation	None	Not inspected this year, Low Priority (every 3-5 yrs)
In N Out Burger	570 Contra Costa Blvd	No	Lessee	05/16/12	Initial	Bio-retention	Proper installation	None	Not inspected this year, Low Priority (every 3-5 yrs)
PH Recreation & Park District Senior & Teen Center	233 Gregory Lane	No	Private Property Owner	10/16/12	Initial	Bio-retention	Proper installation	None	Not inspected this year, Low Priority (every 3-5 yrs)
PH Recreation & Park District Community Center	320 Civic Drive	Yes	Private Property Owner	01/22/14	Initial	Bio-retention	Proper installation	None	City staff
PH Recreation & Park District Pleasant Oaks Park	Hawthorne Drive	Yes	Private Property Owner	01/09/14	Initial	Bio-retention	Proper installation	None	City staff

<sup>41</sup> Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.

<sup>42</sup> State the responsible operator for installed stormwater treatment systems and HM controls.

<sup>43</sup> State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

<sup>44</sup> 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.

<sup>45</sup> State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

<sup>46</sup> State the enforcement action(s) taken, if any.

C.3.e.vi.Special Projects Reporting Table												
Reporting Period – January 1 – June 30, 2013												
Project Name & No.	Permittee	Address	Application Submittal Date <sup>47</sup>	Status <sup>48</sup>	Description <sup>49</sup>	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category <sup>50</sup>	LID Treatment Reduction Credit Available <sup>51</sup>	List of LID Stormwater Treatment Systems <sup>52</sup>	List of Non-LID Stormwater Treatment Systems <sup>53</sup>
NA	NA	NA	NA	NA	NA	NA	NA	NA	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

<sup>47</sup> Date that a planning application for the Special Project was submitted.

<sup>48</sup> Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

<sup>49</sup> Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

<sup>50</sup> For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

<sup>51</sup> For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

<sup>52</sup> List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area (assume % of total runoff = % of total equivalent impervious area).

<sup>53</sup> List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification. (Contra Costa's criteria were adopted March 20, 2013.)

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 CCCWPs FY 13-14 Annual Report for a description of activities of the CCCWP's Municipal Operations Committee 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.

**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	72	
Total number of inspections conducted	80	
Number of violations (excluding verbal warnings)	5	
Sites inspected in violation	5	100%
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	5	100%

Permittee Name: City of Pleasant Hill

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)	1
Potential discharge and other	4
Comments: none	

**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) <sup>48</sup>	Number of Enforcement Actions Taken	% of Enforcement Actions Taken <sup>49</sup>
Level 1	Warning Notice/Education	4	80%
Level 2	Notice of Violation	1	20%
Level 3	Formal Enforcement	0	0%
Level 4	Legal Action	0	0%
<b>Total</b>		5	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 Category <sup>50</sup>	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Food Service	0	4
Vehicle Service	1	0

<sup>48</sup> Agencies to list specific enforcement actions as defined in their ERPs.

<sup>49</sup> Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

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

Permittee Name: City of Pleasant Hill

**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 the scheduled inspections during the reporting period.

**C.4.d.iii ► Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Commercial/Industrial Stormwater Inspection Training Workshop – Brentwood Community Center	5/8/14	<ul style="list-style-type: none"> <li>• What Constitutes a Stormwater Violation?</li> <li>• Overview of Site Visit and Mock Inspection</li> <li>• Guided Tour % Mock Inspect of St. of Brentwood</li> <li>• Building a Strong Enforcement Case</li> <li>• Mapping the Storm Sewer Systems: An Important Component to Your Municipality's Illicit Discharge Detection and Elimination Sys.</li> </ul>	6	67%
CCCSD Sampling Training	4/30/14	<ul style="list-style-type: none"> <li>• Proper sampling methods</li> <li>• Sample preservation and holding times</li> </ul>	8	89%
CCCSD Customer Service Training	6/17/14	<ul style="list-style-type: none"> <li>• Communication skills</li> <li>• Non-verbal queues</li> </ul>	1	11%
CWEA – NRTC	9/11-12/13	<ul style="list-style-type: none"> <li>• Stormwater education and outreach</li> <li>• Trash management</li> </ul>	1	11%
CWEA Annual Conference	4/29/14	<ul style="list-style-type: none"> <li>• Inspector Training</li> <li>• Stormwater BMPs</li> <li>• Outreach</li> </ul>	1	11%
CalEPA Basic Inspector Academy	3/11-14/14	<ul style="list-style-type: none"> <li>• Investigation</li> <li>• Evidence</li> <li>• Witness testimony</li> <li>• Case Development</li> <li>• Interagency Coordination</li> </ul>	1	11%
Regulatory Investigative Techniques	1/24-27/14	<ul style="list-style-type: none"> <li>• Interview skills</li> <li>• Gathering and preserving evidence</li> </ul>	1	11%
Environmental Enforcement Training	6/11/14	<ul style="list-style-type: none"> <li>• Report writing</li> <li>• Evidence</li> <li>• Developing a case</li> </ul>	2	22%

**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 13-14 Annual Report for description of activities at the countywide or regional level.

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

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

Contact	Description	Phone Number
Rod Wui	Senior Civil Engineer	925-671-5261
Jay Lewis	Code Enforcement Officer	925-671-5207
Mike Moore	Maintenance Supervisor	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 requires 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 13-14 Annual Report for description of efforts by the CCCWP's Municipal Operations Committee 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 the map book by correcting errors and adding new information (especially drains smaller than 36"). Each engineering staff member has this book, and it is also available at the counter and in each city vehicle. City staff desires to map every junction, inlet, manhole, trash rack and other facilities to improve the precision of our records. The map book was recently converted to GIS, however, lack of funding has prevented further development of GIS products.

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**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))	0	
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:  
There were no incidents of discharge received by the City during the reporting period.

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

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

NA

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

<b>C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals</b>		
<b>Number of High Priority Sites (sites disturbing &lt; 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.1.a)</b>	<b>Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)</b>	<b>Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more) (C.6.e.iii.1.c)</b>
0	3	7
<p>Comments:                      There were 3 active sites that disturbed &gt; 1 acre of soil. Pleasant Hill Recreation and Park District Community Center and Pleasant Oaks Park Project, and the Dick's Sporting Goods at the Crossroads Shopping Center. The</p>		

<b>C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations</b>		
<b>BMP Category</b>	<b>Number of Violations<sup>51</sup> excluding Verbal Warnings</b>	<b>% of Total Violations<sup>52</sup></b>
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%
<b>Total<sup>53</sup></b>		<b>0%</b>

<sup>51</sup> Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category. For example, if during one inspection at a site, there are 2 erosion control violations, only 1 violation would be counted for this table.

<sup>52</sup> Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

<sup>53</sup> The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.

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

	<b>Enforcement Action</b> (as listed in ERP) <sup>54</sup>	<b>Number Enforcement Actions Issued</b>	<b>% Enforcement Actions Issued</b> <sup>55</sup>
Level 1 <sup>56</sup>	Warning Notice	0	0%
Level 2	Notice of Violation	0	0%
Level 3	Formal Enforcement	0	0%
Level 4	Legal Action	0	0%
<b>Total</b>		<b>0</b>	<b>0%</b>

**C.6.e.iii.1.f, g ▶ Illicit Discharges**

	<b>Number</b>
Number of illicit discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.f)	0
Number of sites with discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.g)	0

<sup>54</sup> Agencies should list the specific enforcement actions as defined in their ERPs.

<sup>55</sup> Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

<sup>56</sup> For example, Enforcement Level 1 may be Verbal Warning.

Permittee Name: City of Pleasant Hill

<b>C.6.e.iii.1.h, i ► Violation Correction Times</b>		
	<b>Number</b>	<b>Percent</b>
<b>Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)</b>	0	% <sup>57</sup>
<b>Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)</b>	0	% <sup>58</sup>
<b>Total number of violations (excluding verbal warnings) for the reporting year<sup>59</sup></b>	0	0%
<b>Comments:</b> none		

<b>C.6.e.iii.(2) ► Evaluation of Inspection Data</b>
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 new issues to report.

<b>C.6.e.iii.(2) ► Evaluation of Inspection Program Effectiveness</b>
Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.
Description: Staff has evaluated the program for the reporting period, and believes the program to be effective and efficient. The City recently hired a new construction inspector, so we were able to evaluate our internal staff training program during the reporting period. The new inspector also brought new ideas to the City, which we hope to implement in the future to make the program more efficient. Staff continues to educate homeowners, applicants and contractors early on in the development process to avoid any potential issues during construction. Staff also continues to implement the new tabular format for inspection forms.
Refer to the C.6 Construction Site Control section of the CCCWP's FY 13-14 Annual Report for a description of activities at the countywide or regional level.

<sup>57</sup> 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.

<sup>58</sup> 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.

<sup>59</sup> The total number of violations reported in the table of Violation Correction Times equals the number of initial enforcement actions. I.e., This assumes one violation is issued for several problems during an inspection at a site. The total number of violations in the table of Violation Correction Times may 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.

Permittee Name: City of Pleasant Hill

<b>C.6.f ▶ Staff Training Summary</b>				
<b>Training Name</b>	<b>Training Dates</b>	<b>Topics Covered</b>	<b>No. of Inspectors in Attendance</b>	<b>Percent of Inspectors in Attendance</b>
Construction Site Stormwater Controls Workshop – Walnut Creek Civic Arts Education Center	April 10, 2014	<ul style="list-style-type: none"> <li>• C.6 Requirements Overview</li> <li>• Recognizing C.6 BMPs – Inspector's Eye</li> <li>• Relating C.6 to the Construction General Permit</li> <li>• Inspections, Documentation, and Reporting</li> <li>• Enforcement – Using the ERP</li> <li>• Using Inspection Tools Exercise and Discussion</li> </ul>	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:  
Refer to the CCCWP's Annual Report for a complete review of advertising efforts conducted on behalf of all Permittees.

**C.7.b.iii.1 ▶ Pre-Campaign Survey**

*(For the Annual Report following the pre-campaign 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:

Refer to Section C.7 in the CCCWP's FY 13-14 Annual Report for complete details on the pre-campaign survey conducted for the CCCWP's Pesticide Campaign.

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

<input type="checkbox"/>	Survey report attached
<input checked="" type="checkbox"/>	Reference to regional submittal:

**C.7.b.iii.2 ▶ Post-Campaign Survey**

*(For the Annual Report following the post-campaign survey)* Discuss the campaigns and the measureable changes in awareness and behavior achieved. Provide an update of outreach strategies based on the survey results. If survey was done regionally, refer to a regional submittal that contains the following information:

Refer to Section C.7 in the CCCWP's FY 13-14 Annual Report for complete details on the post-campaign survey conducted for the CCCWP's Pesticide Campaign.

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

<input type="checkbox"/>	Survey report attached
<input checked="" type="checkbox"/>	Reference to regional submittal:

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**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 activities and information in its bi-monthly Outlook newsletter. This newsletter is available at the counter, and is sent to all residents and businesses in Pleasant Hill (approx. 64,000) each year. Some highlights include the following:

- Jul/Aug 2013 – Articles on recycling and e-waste, and an advertisement for the City sponsored free composting workshop. Compost bins are sold at the workshop at a reduced price. There was also an advertisement on the “Bringing Back the Natives” garden tour.
- Sep/Oct 2013 – Article highlighting the City's Community Service Day, where volunteers cleaned up the City's creeks. There was also an article on the Pleasant Hill Instructional Garden, which promotes native, drought tolerant plants.
- Nov/Dec 2013 – Articles on recycling batteries and on the City's composting workshop.
- Jan/Feb 2014 – Articles on recycling, e-waste, and the garden tour.
- Mar/Apr 2014 – Articles on the native garden tour, and gardening during a drought.
- May/Jun 2014 – Articles on the compost workshop, and bike to work day, as well as a full page article on the proposed plastic bag ban

The following separate report developed by BASMAA summarizes media relations efforts conducted during FY 13-14:

- BASMAA Media Relations Final Report FY 13-14

This report and any other media relations efforts conducted countywide is included within the C.7 Public Information and Outreach section of the Countywide Program's FY 13-14 Annual Report.

**C.7.d ► Stormwater Point of Contact**

Summary of any changes made during FY 13-14:

No change.

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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"> <li>• Estimated overall attendance at the event.</li> <li>• Number of people that visited the booth, comparison with previous years</li> <li>• Number of brochures and giveaways distributed</li> <li>• Results of any spot surveys conducted</li> </ul>
Art, Jazz and Wine Festival (Oct. 5-6, 2013)	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 creeks clean, e-waste, and using less pesticides.	Staff estimates that approx. 3000 people attend the 2 day event. About 100 promo items and brochures were distributed.
Bringing Back the Natives Garden Tour May 2014	Residents tour other people's native gardens and share ideas and concepts.	Appears effective, as it allows residents to share knowledge and experiences.
Our Water Our World	Tables with information at events and stores	OWOW program provided information on how to manage home and garden pests in a less toxic manner. Appears effective by diverting customers to less toxic products.

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**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 local friends of creeks group by providing staff support and equipment when requested. The City and CCCWP also support the Contra Costa Watershed Forum and Green Business Program.

Refer to the CCCWP's C.7 Public Information and Outreach section for a full description of the event/activity and an evaluation of effectiveness.

**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"> <li>• Number of participants. Any change in participation from previous years.</li> <li>• Distance of creek or water body cleaned</li> <li>• Quantity of trash/recyclables collected (weight or volume).</li> <li>• Number of inlets marked.</li> <li>• Data trends</li> </ul>
Support Community Watershed Stewardship Grant Program	See CCCWP's report	See CCCWP's report
CCCleanWater.org	See CCCWP's report	See CCCWP's report
MyGreenGarden.org	See CCCWP's report	See CCCWP's report

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**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.
Be Classy Not Trashy Campaign	Youth Outreach Newsletter	See CCCWP's report	See CCCWP's report
Mr. Funnelhead School events and advertisements	Youth Outreach	See CCCWP's report	See CCCWP's report
Kids for the Bay	See attachment	See attachment	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 13-14, 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. Monitoring efforts and results are documented in a separate report submitted March 15 of each year, as required in Provision C.8. 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 Program's FY 13-14 Annual Report and the Integrated Monitoring 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 Used<sup>60</sup>**

Pesticide Category and Specific Pesticide Used	Amount <sup>61</sup>				
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14
<b>Organophosphates</b>					
<b>Glyphosate</b>	5305	6554	4578	5024	4594
<b>Oryzalin</b>	3608	3421	3720	2611	2037
<b>Triclopyr</b>	37	589	196	0	0
<b>Animopyralid</b>	0	707	0	10	0
<b>Carfentrazone</b>	0	96	0	772	136
<b>Oxadiazon</b>	0	0	40	0	0
<b>Note: all quantities in oz.</b>					

**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%

<sup>60</sup> Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>61</sup> Weight or volume of the product or preferably its active ingredient, using same units for the product each year. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: allethrin, bifenthrin, beta-cyfluthrin, bioallethrin, cyfluthrin, cypermethrin, cyphenothrin, deltamethrin, esfenvalerate, etofenprox, fenpropathrin, gamma-cyhalothrin, imiprothrin, lambda-cyhalothrin, metofluthrin, permethrin, phenothrin, prallethrin, resmethrin, sumithrin (d-phenothrin), tau-fluvalinate, tefluthrin, tetramethrin, tralomethrin, cis-permethrin, and zeta-cypermethrin.

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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?  Yes  No

If yes, attach one of the following:

- Contract specifications that require adherence to your IPM policy and standard operating procedures, OR
- Copy(ies) of the contractors' IPM certification(s) or equivalent, OR
- Equivalent documentation.

If **Not attached**, explain:

NA

**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 13-14, we participated in regulatory processes related to pesticides through contributions to the CCCWP, BASMAA and CASQA. For additional information, see the Regional 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?  Yes  No

If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.

NA

**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:

Permittee Name: City of Pleasant Hill

See the C.9 Pesticides Toxicity Control section of the CCCWP's FY 13-14 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

**C.9.h.vi ► Public Outreach: Pest Control Operators**

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

Summary:

See the C.9 Pesticides Toxicity Control section of CCCWP's FY 13-14 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.

Permittee Name: City of Pleasant Hill

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

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

Provide the following:

- 1) Descriptions of actions/tasks completed towards achieving the Minimum Full Trash Capture requirement in provision C.10.a.iii. Include the:
  - Total number and types of full capture devices (publicly and privately-owned) installed to-date;
  - Total land area (acres) and land areas within each trash generation category (i.e., very high, high, moderate and low) treated by full capture devices (or other types of devices for non-population based Permittees), in comparison to the MRP-required full capture requirements in Attachment J to the MRP; and,
  - Percentage of jurisdictional land areas with very high, high, moderate and low trash generation rates treated by full capture devices.
- 2) A narrative summary of maintenance activities implemented for each device, group of devices, or device type, including descriptions of typical maintenance frequencies and issues associated with maintaining these devices.

**Descriptions of Actions/Tasks (Conducted or Planned):**

The City of Pleasant Hill participated in the San Francisco Estuary project/Association of Bay Area Governments Full Trash Capture Pilot Project. Through the grant program, the City installed 61 full trash capture devices (Revel Environmental Manufacturing Inc. (REM) Triton Bioflex Trash Guard) on existing inlets. These devices were strategically placed to test their effectiveness in various generating areas (including schools, parks, and the downtown area). Total land area coverage for City facilities is approximately 271 acres.

Additionally, the City installed a CDS unit at Linda Drive in 2000. The treatment area is approximately 55 acres. Inspection and maintenance occurs on an annual basis by City staff, and since that time there have been no reported problems.

The City also required developers to install the full trash capture devices on private development projects. The new Safeway project and new In N Out restaurant project both installed KriStar FloGard Plus devices on their projects. A total of 4 units were installed in the existing inlets at the Safeway project, treating an area of 8.1 acres, and a total of 7 units were installed in new storm drain inlets at the In N Out project, treating an area of 1.1 ac. Total land coverage for private development facilities is approximately 9.2 acres.

Total land coverage for both public and private development projects is 335 acres.

The City plans to continue to require new development projects to install full trash capture devices as part of the project conditions of approval. The latest project to be approved with this requirement is the Dick’s Sporting Goods shopping center, which is in a high trash generating area.

**Descriptions of Maintenance Activities:**

All devices installed in public streets are inspected and maintained annually by the manufacturer at least once per a year, prior to the rainy season, per manufacturer recommendations. All devices installed on private property are required to be maintained as part of their Stormwater Treatment requirements, either through the Landscape Maintenance Agreement or C.3 Operation and Maintenance Agreement, recorded at the County. The City’s CDS unit is inspected and maintained annually prior to the rainy season. Records can be obtained from the maintenance division as needed.

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

Provide the volume of material removed during each MRP-required Trash Hot Spot cleanup during each fiscal year, and the dominant types of trash (e.g., glass, plastics, paper) removed and their sources in FY 2013-14 to the extent possible.

**FY 2013-2014 Annual Report**

**C.10 – Trash Load Reduction**

Permittee Name: City of Pleasant Hill

Trash Hot Spot	FY 13-14 Cleanup Date	Volume of Trash Removed (cubic yards)				Dominant Type(s) of Trash in FY 2013-14	Trash Sources in FY 2013-14 (where possible)
		FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14		
PLH-01 Chilpancingo Parkway Bridge	06/23/14	2	2	2	2	Yard waste	NA
PLH-02 Cleaveland & Astrid Bridge	06/23/14	2	2	2	2	Miscellaneous	NA

Permittee Name: City of Pleasant Hill

<b>C.10.c ► Long-Term Trash Load Reduction Plan</b>	
Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), trash generation maps, control measures, or time schedules identified in your plan.	
Description of Significant Revision	Associated TMA
NA	NA

<b>C.10.d ► PART A - Trash Control Measure Implementation and Assessment (Jurisdictional-wide Actions)</b>				
Provide a description of each jurisdictional-wide trash control measure implemented to-date. Identify the dominant trash source(s) and dominant type(s) of trash addressed by each control measure. For each jurisdictional-wide measure, identify the trash assessment method(s) used to demonstrate on-going reductions, summarize the results of the assessment(s), and estimate the associated reduction of trash within your jurisdictional area.				
Control Measure	Summary Description of Control Measure & Dominant Trash Sources and Types	Assessment Method(s)	Summary of Assessment Results To-date	Estimated % Trash Reduced
Single-use Plastic Bag Ordinance or Policy	The City began working on a plastic bag ban late in the reporting period. The first public hearing on the ordinance was held on July 7, 2014, and the ordinance was adopted by Council on August 8, 2014. The ordinance will go into effect starting February 2, 2015. Information on this ordinance can be found at <a href="http://www.ci.pleasant-hill.ca.us/index.aspx?NID=982">http://www.ci.pleasant-hill.ca.us/index.aspx?NID=982</a>	NA	NA	0%
Expanded Polystyrene Food Service Ware Ordinance or Policy	NA	NA	NA	0%

Permittee Name: City of Pleasant Hill

**C.10.d ► PART A - Trash Control Measure Implementation and Assessment (Jurisdictional-wide Actions)**

Provide a description of each jurisdictional-wide trash control measure implemented to-date. Identify the dominant trash source(s) and dominant type(s) of trash addressed by each control measure. For each jurisdictional-wide measure, identify the trash assessment method(s) used to demonstrate on-going reductions, summarize the results of the assessment(s), and estimate the associated reduction of trash within your jurisdictional area.

<p>Public Education and Outreach Programs Targeted at Trash Reduction and Implemented post-MRP Adoption</p>	<p>Through the CCCWP, the Permittees conducted a "Litter Travels, But It Can Stop with You" multi-year campaign that started in FY 2009-2010 and ran through FY 2011-2012. The multi-media campaign was designed to educate citizens about the impacts of trash and litter in the County's waterways and how they can help address this problem. The campaign included TV spots, billboards, and posters at BART stations, placards on transit buses, print ads, and updates to the CCCWP website. Other outreach included more than 10,000 letters to County residents, contact with youth sport leagues, outreach to 17 school districts in the County, and distribution of flyers to students in 5 of those districts. Pre and post-campaign surveys were conducted.</p> <p>In addition, as per MRP requirement Provision C.3.a i (7) and C.3.c.i (1) (f), municipalities stencil all new stormdrains with the No Dumping - Drains to the Bay signage (or equivalent) and maintain stencils on all stormdrains.</p> <p>Both Litter Travels and stormdrain stenciling are aimed at reducing all trash types and sources.</p>	<p>Survey results conducted from the multi-year "Litter Travels" advertising campaign.</p>	<p>Surveys were conducted to measure the effectiveness of the "Litter Travels" campaign that ran from 2009 to 2012. As stated in the May 2010, Topline Report, there was 18% increase between 2009 and 2010 in the "very willing" response to the question of "How willing are you to participate in a community event to help cleanup trash." As shown in the June 2011 Topline report, there was an 21% increase from 2009 to 2011 in the "very high" response to the question of "How high would you rate your own concern about litter polluting water?"</p> <p>While metrics are not currently available to gauge the effectiveness of storm drain stenciling, both the US EPA and the State Water Board recognize the value of stenciling in raising awareness of the connection between storm drains and receiving waters. The US EPA includes storm drain stenciling as a BMP for NPDES permits under Public Outreach and Participation. The State Water Board in its release of Draft Amendments to the Statewide Water Quality Control Plans to Control Trash includes storm drain stenciling as one means of educating the public about the direct discharge of storm water to receiving waters and the effects of littering and dumping on receiving water quality.</p> <p>While both the "Litter Travels" campaign and storm drain stenciling cannot be assigned specific trash reduction percentages, a 2% reduction has been assigned based on best professional judgment.</p>	<p>2%</p>
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Permittee Name: City of Pleasant Hill

**C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)**

Complete the following trash control measure implementation and assessment summary for each primary trash management area (TMA) identified in your Long-term Plan. Include the following information:

- Identify the total jurisdictional area and the % of that area that generates very high (VH), high (H), moderate (M), or low (L) levels of trash;
- Identify the dominant trash source(s) and dominant type(s) of trash addressed or to-be addressed in the TMA;
- Include the area currently treated by full capture devices, the quantity and type of devices installed to-date, and the % of jurisdictional area that generates very high (VH), high (H), moderate (M), and low (L) levels of trash after accounting for reductions via full capture devices;
- Summarize control measures other than full capture devices implemented to-date, distinguishing between implementation that began pre- and post-MRP effective date. If not implemented in the entire TMA, describe generation category targeted and % of TMA addressed;
- Provide the % of the jurisdictional area that generates very VH, H, M or L levels of trash after accounting for all control measures implemented to-date;
- Describe the methods used to evaluate the effectiveness of control measures other than full capture devices, and any assessment results to-date. If the method was not implemented in the entire TMA, describe generation category targeted and %of TMA addressed; and
- Provide an estimate of the % of trash reduced in the TMA and jurisdiction-wide.

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
1	149	Retail and commercial	Food containers, paper	Baseline Generation (Pre-MRP)	0	49	41	10
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account Full Capture Devices	0	29	31	40
Total Area (Acres)	45	REM Triton filter inserts located in downtown area (private and public maintenance)						
% of TMA	33							
% of VH/H/M	30							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account all New or Enhanced (post-MRP) Control Measures	0	29	31	40
none								
Assessment Methods for Control Measures Other than Full Capture Devices								
NA								
Summary of Assessment Results To-date								
NA								
Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions					38			
Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions					7			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
2	156	Retail and commercial	Food containers, paper	Baseline Generation (Pre-MRP)	0	45	47	7	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	37	47	16
Total Area (Acres)	13	FloGuard+ filters and bioswales installed in new development projects (In N Out Burger, new Safeway fuel center and Nordstrom rack parking lot), private maintenance							
% of TMA	9								
% of VH/H/M	8								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	37	47	16
none									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date					Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions	34			
Na									

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
3	22	Retail	Food containers, paper, debris	Baseline Generation (Pre-MRP)	0	100	0	0
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account <u>Full Capture Devices</u>	0	71	0	29
Total Area (Acres)	6	REM filters and C.3 bioswales installed with new Dick's sporting goods store, private maintenance						
% of TMA	29							
% of VH/H/M	29							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	71	0	29
None								
Assessment Methods for Control Measures Other than Full Capture Devices								
NA								
Summary of Assessment Results To-date				Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions	29			
NA					Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions	1		

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
4	723	Residential and School	Leaves, food trash	Baseline Generation (Pre-MRP)	0	0	13	87	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	0	13	87
Total Area (Acres)	29	5 REM filters installed adjacent to school (public maintenance); C.3 bioswales installed with new PH Senior and Teen Center projects (private maintenance)							
% of TMA	0								
% of VH/H/M	4								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	0	13	87
none									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date					Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions	0			
NA						Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions	0		

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
5	635	Residential and school	Leaves, food trash	Baseline Generation (Pre-MRP)	0	1	19	80	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	1	18	81
Total Area (Acres)	15	4 REM filters installed (public maintenance)							
% of TMA	2								
% of VH/H/M	2								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	1	18	81
none									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date					Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions	2			
NA						Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions	0		

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
6	223	Residential and commercial	Debris, food trash	Baseline Generation (Pre-MRP)	0	0	61	39
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account <u>Full Capture Devices</u>	0	0	61	39
Total Area (Acres)	2	C.3 bioswale installed per Buskirk project (public maintenance)						
% of TMA	0							
% of VH/H/M	1							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	0	61	39
none								
Assessment Methods for Control Measures Other than Full Capture Devices								
NA								
Summary of Assessment Results To-date				Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions	0			
NA					Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions	0		

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
7	213	Residential and commercial	Debris, food trash	Baseline Generation (Pre-MRP)	0	0	67	33	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	0	63	37
Total Area (Acres)	27	CDS unit installed in 2000 (public maintenance)							
% of TMA	6								
% of VH/H/M	13								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	0	63	37
none									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date					Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions	6			
NA									

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
8	243	Residential	Leaves, food trash	Baseline Generation (Pre-MRP)	0	0	93	6	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	0	92	8
Total Area (Acres)	4	C.3 bioswales installed with new development projects (Rainbow Estates, private maintenance, Geary Road, public maintenance)							
% of TMA	2								
% of VH/H/M	2								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	0	92	8
none									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date									
NA									
					Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions		2		
					Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions		0		

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
9	677	Residential and school	Leaves, food trash	Baseline Generation (Pre-MRP)	0	0	34	66	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	0	32	68
Total Area (Acres)	14	REM devices installed (public maintenance), C.3 bioswales installed with Pleasant Oaks Park project (private maintenance)							
% of TMA	4								
% of VH/H/M	2								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	0	32	68
none									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date					Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions	4			
NA									

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
10	613	Residential and golf course	Leaves	Baseline Generation (Pre-MRP)	0	0	9	91	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account Full Capture Devices	0	0	9	91
Total Area (Acres)	50	9 REM filters installed (public maintenance)							
% of TMA	0								
% of VH/H/M	8								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account all New or Enhanced (post-MRP) Control Measures	0	0	9	91
none									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date					Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions	0			
NA									

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
11	296	Residential and open space	Leaves	Baseline Generation (Pre-MRP)	0	0	0	100	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	0	0	100
Total Area (Acres)	0	REM filter installed (public maintenance)							
% of TMA	0								
% of VH/H/M	0								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	0	0	100
none									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date					Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions	0			
NA						Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions	0		

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
12	397	Residential and open space	Leaves	Baseline Generation (Pre-MRP)	0	0	0	100	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	0	0	100
Total Area (Acres)	14	REM filter installed (public maintenance)							
% of TMA	0								
% of VH/H/M	4								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	0	0	100
none									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date					Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions	0			
NA						Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions	0		

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
13	4346	Citywide	Leaves, debris	Baseline Generation (Pre-MRP)	NA	NA	NA	NA	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	NA	NA	NA	NA
Total Area (Acres)	NA	NA							
% of TMA	NA								
% of VH/H/M	NA								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	NA	NA	NA	NA
NA									
Assessment Methods for Control Measures Other than Full Capture Devices									
NA									
Summary of Assessment Results To-date									
NA									
					Estimated % Trash Reduction in <u>TMA</u> due to New or Enhanced Post-MRP actions		NA		
					Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions		NA		

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
14	0	Freeway (Caltrans ROW)	Debris	Baseline Generation (Pre-MRP)	NA	NA	NA	NA
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account Full Capture Devices	NA	NA	NA
Total Area (Acres)	NA	NA						
% of TMA	NA							
% of VH/H/M	NA							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account all New or Enhanced (post-MRP) Control Measures	NA	NA	NA
NA								
Assessment Methods for Control Measures Other than Full Capture Devices								
NA								
Summary of Assessment Results To-date								
NA								
					Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions		NA	
					Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions		NA	

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**Permittee Name: City of Pleasant Hill**

**C.10 – Trash Load Reduction**

Permittee Name: City of Pleasant Hill

**C.10.d ► PART C – Estimated Overall Trash Load Reduction**

For Population-based Permittees, provide an estimate of the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the estimate on the information presented in C.10.d – Parts A and B and creek/shoreline cleanups not reported in C.10.b.iii. Provide a statement regarding the confidence in the estimate and challenges and/or successes in measuring progress towards the 40% trash reduction target described in provision C.10.

Based on the City's consultant data, the estimated trash reduction in very high, high, and medium trash generating areas is approx. 22% overall. Staff believes this number to be relatively low, based on visual assessments. Staff intends to fine tune its trash generation maps this upcoming fiscal year. Staff will evaluate locations where trash inserts can be installed in the public right of way order to address high trash generating (commercial) areas that are not planned for new redevelopment any time soon. These inserts will be installed prior to the next rainy season.

The Contra Costa County Flood Control and Water Conservation District (Flood Control) performed homeless abatement activities along Grayson Creek, east branch, this reporting period, spanning across multiple TMAs. This creek channel is owned by Flood Control, who is responsible for maintaining these areas, but it is located within the City of Pleasant Hill limits. Approx. 59 cubic yards of trash was removed from these encampments (about 10,241 gallons, by dry weight method). Staff has not completed a thorough analysis of this data, but based on the overall volume of debris removed, staff estimates the trash reduction for this activity to be approx. 5% conservatively. Staff intends to fine tune this estimate during the next reporting year.

**Discussion of Trash Reduction Estimate:**

Trash generation and reduction rates were calculated by CCCWP's consultant based on GIS data (provided by the City), land use, and visual assessments. Full trash capture devices were mapped on the City's parcel data. Parcels were assigned trash generation rates based on land use, and categorized into low, medium, high, and very high areas. These areas were visually verified by staff. Trash reduction rates were calculated based on the square footage of each full trash capture device's catchment area. The City's existing CDS unit, and C.3 bioswales were also considered full trash capture devices for this report.

Estimated % Trash Reduction due to Jurisdictional-wide Actions	2%
Estimated % Trash Reduction due to Trash Full Capture Devices (All TMAs)	17%
Estimated % Trash Reduction due to Other Control Measures (All TMAs)	0%
<b>SubTotal for Above Actions</b>	<b>19%</b>
Estimated % Trash Reduction due to Creek/Shoreline Cleanups (All TMAs)	5%
<b>Total Estimated % Trash Reduction in FY 13-14</b>	<b>24%</b>

Permittee Name: City of Pleasant Hill

**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).

The City of Pleasant Hill promotes its Household Hazardous Waste (HHW) program through the City's website. The Central Contra Costa Sanitary District has a drop off facility located locally, and accepts HHW items at no charge to residents. The CCCWP's website also promotes and provides information to residents for the collection and recycling of thermometers, thermostats, switches and bulbs at their nearest household hazardous waste facility.

**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 13-14 CCCWP Annual Report for an estimate of the mass of mercury collected through collection and recycling efforts in the Countywide Program area.

Permittee Name: City of Pleasant Hill

- 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 CCCWP and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of Program's FY 13-14 Annual Report, Integrated Monitoring Report

Permittee Name: City of Pleasant Hill

**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 12-13 CCCWP Annual Report for a description of training provided countywide and/or regionally.

- 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 CCCWP and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of Program's FY 13-14 Annual Report, Integrated Monitoring Report.

Permittee Name: City of Pleasant Hill

**Section 13 - Provision C.13 Copper Controls**

**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

Materials and information developed at the countywide program level are provided and distributed at City hall.

**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

Projects brought before the Architectural Review Commission are required, through implementation of Conditions of Approval, to conform to the City's Design Guidelines, which promote use of alternate building materials.

Permittee Name: City of Pleasant Hill

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

Note: There are no reporting requirements in the FY 13-14 Annual Report for Section C.14.

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 <b>No</b> , skip to C.15.b.vi.(2):				
If <b>Yes</b> , Complete the attached reporting tables or attach your own table with the same information. Provide any clarifying comments below.				
Comments:				

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

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

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

<b>C.15.b.iii.(1) ► Planned Discharges of the Potable Water System</b>										
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 <sup>62</sup> (NTU)	Implemented BMPs & Corrective Actions
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

<sup>62</sup> 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 <sup>63</sup>														
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) <sup>64</sup>	pH (standard units) <sup>52</sup>	Discharge Turbidity (Visual) <sup>52</sup>	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time <sup>65</sup>	Inspector arrival time	Responding crew arrival time
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

<sup>63</sup> This table contains all of the unplanned discharges that occurred in this FY.

<sup>64</sup> 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.

<sup>65</sup> 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 CLEAVELAND 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
Windsor Rosewood Care Center	1911 OAK PARK 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
Jetalon Solutions, Inc.	3343 VINCENT Road B	Pleasant Hill	Commercial
Kelly Moore Paint Co.	1725 CONTRA COSTA Blvd	Pleasant Hill	Commercial
Sunshine Spa	1948 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 E	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
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
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
Cresco Xpress	2098 MONUMENT	Pleasant Hill	Fleet Operations
Pacific States Petroleum	220 HOOKSTON Road	Pleasant Hill	Fleet Operations
Pleasant Hill Public Works Center	310 CIVIC Drive	Pleasant Hill	Fleet Operations
Protransport-1	2450 ESTAND Way	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
Blondies Pizza	1035 CONTRA COSTA Blvd	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
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
City of Pleasant Hill Community Center	320 CIVIC Drive	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
Corner Bakery Café	35 CRESCENT Drive A,B	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 Barbecue 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
Five Guys	100 CRESCENT Drive	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
Gotta Eatta Pita	35 CRESCENT Drive F	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
La Botana	2290 MONUMENT Blvd	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
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
Mountain Mikes Pizza	1962 CONTRA COSTA Blvd	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
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
Pieology	2380 MONUMENT Blvd, B	Pleasant Hill	Food Service
Pizza Hut	1749 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Pizza My Way	1300 CONTRA COSTA Blvd 20	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
Pollo Pollo Korean Restaurant	508 CONTRA COSTA Blvd	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	716 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Rubio's	2390 MONUMENT Blvd D	Pleasant Hill	Food Service
Savanh Thai	1910 OAK PARK Blvd	Pleasant Hill	Food Service
See's Candies	1005 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Sichuan Fortune House	41 WOODSWORTH Lane	Pleasant Hill	Food Service
Sinful Bliss	35 CRESCENT Drive	Pleasant Hill	Food Service
Sirens	2391 PLEASANT HILL Road	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	707 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Starbucks Coffee #5559	1900 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Subway	1966 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
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
Wences Wine & Bar	1922 OAK PARK Blvd	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
ARCO #06059	2686 PLEASANT HILL Road	Pleasant Hill	Gas Station
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
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
Diablo Valley Oncology Hematology	400 TAYLOR Blvd 202	Pleasant Hill	Healthcare
Epic Care Pleasant Hill Care Center	400 TAYLOR Blvd 102	Pleasant Hill	Healthcare
Hyatt House (Formerly Summerfield Suites)	2611 CONTRA COSTA Blvd	Pleasant Hill	Hotel
Marriot Courtyard	2250 CONTRA COSTA	Pleasant Hill	Hotel
Residence Inn (Marriott)	700 ELLINWOOD way	Pleasant Hill	Hotel
Block Environmental Services	2451 ESTAND Way	Pleasant Hill	Laboratory
Cal Trans Materials Testing Laboratory	3451 VINCENT Road B	Pleasant Hill	Laboratory
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
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
PHSC	1855 CONTRA COSTA Blvd	Pleasant Hill	Property Owner
YMCA	350 CIVIC Drive	Pleasant Hill	Property Owner
Navlet's Garden Center	2875 CONTRA COSTA Blvd	Pleasant Hill	Retail
O'Reilly Auto Parts	505 CONTRA COSTA Blvd	Pleasant Hill	Retail
Rite Aid	2140 CONTRA COSTA Blvd	Pleasant Hill	Retail
Target #330	560 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
JFK University	100 ELLINWOOD Way	Pleasant Hill	School/College
Expert Auto Care	2686 PLEASANT HILL Road	Pleasant Hill	Smog Test Center
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
Diablo Import Service	15 VIVIAN Drive #E	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 (7/1/2014 to 6/30/2015)

7/30/2014

Name	Address	City	Facility Type
<b>Enforcement Reinspections</b>			
Diablo Import Service	15 VIVIAN Drive #E	Pleasant Hill	Vehicle Service
Devino's Pizza & Pasta	2221 MORELLO Ave	Pleasant Hill	Food Service
Matsu Sushi	1914 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Plaza Cafe	1912 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Starbucks Coffee #5559	1900 CONTRA COSTA Blvd	Pleasant Hill	Food Service
<b>Subtotal: 5</b>			
<b>Permitted IUs</b>			
Diablo Valley College	321 GOLF CLUB Road	Pleasant Hill	Permitted IU
<b>Subtotal: 1</b>			
<b>Inspection Cycle</b>			
ARCO #06059	2686 PLEASANT HILL Road	Pleasant Hill	Gas Station
Blondies Pizza	1035 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Five Guys	100 CRESCENT Drive	Pleasant Hill	Food Service
Gotta Eatta Pita	35 CRESCENT Drive F	Pleasant Hill	Food Service
La Botana	2290 MONUMENT Blvd	Pleasant Hill	Food Service
Mountain Mikes Pizza	1962 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Pieology	2380 MONUMENT Blvd B	Pleasant Hill	Food Service
Pollo Pollo Korean Restaurant	508 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Protransport-1	2450 ESTAND Way	Pleasant Hill	Fleet Operations
Sirens	2391 PLEASANT HILL Road	Pleasant Hill	Food Service
Subway	1966 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Norge Village Cleaners	220 GOLF CLUB Road	Pleasant Hill	Dry Cleaner
Magoo's Grill and Bar	1250 CONTRA COSTA Blvd 101	Pleasant Hill	Food Service
Safeway	600 PATTERSON Blvd	Pleasant Hill	Grocery Store
El Tapatio Mexican Restaurant	40 GOLF CLUB Road	Pleasant Hill	Food Service
Quickly	60 GOLF CLUB Road A	Pleasant Hill	Food Service
Pleasant Hill Chevron	1705 CONTRA COSTA Blvd	Pleasant Hill	Gas Station
Round Table Pizza	1938 OAK PARK Blvd	Pleasant Hill	Food Service
Cafe Milano	716 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Cold Stone Creamery	60 CRESCENT Drive J	Pleasant Hill	Food Service
Peet's Coffee & Tea #237	65 CRESCENT Drive A	Pleasant Hill	Food Service
See's Candies	1005 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Starbucks	2370 MONUMENT Blvd B	Pleasant Hill	Food Service
Subway	2360 MONUMENT Blvd C	Pleasant Hill	Food Service
P & T Valero	2295 MORELLO Ave	Pleasant Hill	Vehicle Service
Jack in the Box	1817 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Donut King	1607 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Zio Fraedo's	611 GREGORY Lane	Pleasant Hill	Food Service
Burger King #1864	677 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Sunshine Spa	1948 CONTRA COSTA Blvd	Pleasant Hill	Commercial
Chateau III	175 CLEVELAND Road	Pleasant Hill	Assisted Living
Posh Bagel	1420 CONTRA COSTA Blvd A	Pleasant Hill	Food Service
Applied Optics, Inc.	3349 VINCENT Road	Pleasant Hill	Manufacturing
Smart & Final	2100 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store

Rite Aid	2140 CONTRA COSTA Blvd	Pleasant Hill	Retail
Pep Boys #968	520 CONTRA COSTA Blvd	Pleasant Hill	Vehicle Service
Block Environmental Services	2451 ESTAND Way	Pleasant Hill	Laboratory
Pizza Hut	1749 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Pho Hoa An	1617 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Cliff's Auto Pro Shop	1855 CONTRA COSTA Blvd E	Pleasant Hill	Vehicle Service
Mike's Automotive Service	1855 CONTRA COSTA Blvd C	Pleasant Hill	Vehicle Service
California Dental Ceramics	1825 CONTRA COSTA Blvd	Pleasant Hill	Dental Lab
Cresco Xpress	2098 MONUMENT	Pleasant Hill	Fleet Operations
Kunio's Automotive Repair	1855 CONTRA COSTA Blvd A	Pleasant Hill	Vehicle Service
Latte Da Espresso & More	1902 OAK PARK Blvd	Pleasant Hill	Food Service
PHSC	1855 CONTRA COSTA Blvd	Pleasant Hill	Property Owner
AVH Auto Repair	1250 CONTRA COSTA Blvd 104	Pleasant Hill	Vehicle Sales
Save On Smogs	1250 CONTRA COSTA Blvd 107	Pleasant Hill	Smog Test Center
Buskirk Gas, Mart & Carwash	3210 BUSKIRK Ave	Pleasant Hill	Gas Station
Grayson Shell	2401 PLEASANT HILL Road	Pleasant Hill	Gas Station
Pleasant Hill Collision	1581 OAK PARK Blvd	Pleasant Hill	Body Shop
Outback Steakhouse	150 LONGBROOK Way	Pleasant Hill	Food Service
Tugboat Fish & Chips #20	150 LONGBROOK Way F	Pleasant Hill	Food Service

**Subtotal: 53**

TOAL INSPECTION GOAL (110%)=59

Annual Goal = 54



# WATERSHED ACTION PROGRAM INTERIM REPORT

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PREPARED FOR  
THE CITY OF PLEASANT HILL

KIDS for the BAY  
1771 Alcatraz Avenue  
Berkeley, CA 94703

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## INTRODUCTION

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KIDS for the BAY (KftB) is providing the Watershed Action Program (WAP) to two classes in the City of Pleasant Hill during the 2013-14 school year, reaching sixty two students, their families, and two teachers. We are thrilled to report that the students and teachers are learning a lot about the watershed, aquatic life and pollutants that affect the environment and human health.

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## SUMMARY OF 2013-2014 CLASSROOM LESSONS

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### What is a Watershed?

Gregory Gardens Elementary School students live in and around the Grayson Creek Watershed. The students were eager to learn more about the creek and how it is connected to their lives in the Watershed Action Program. During the first lesson, students learned that a watershed is an area of land that water flows over or through on its way to a river, creek, bay or ocean. The third graders were excited to learn the name of their local creek, bay and ocean.

### Satellite Map Investigation

Students had the opportunity to study a large satellite map of the San Francisco Bay watershed. This map illustrates where the ocean and the rivers enter the bay and mix to form an estuary. Students were absorbed in the satellite map investigation. They were fascinated by the geography of the Bay Area and took pleasure in problem-solving with the maps. A student named Hillary took pride in her ability to locate the Carquinez Strait portion of the bay, "The Carquinez Strait is here! I found it because it is under the Carquinez Bridge!"

### Estuary Studies and Bay Models

The students learned important vocabulary and concepts, including *estuary*. KIDS for the BAY instructor Eugenia Clark described how salt water from the Pacific Ocean combines with fresh water from the creeks and rivers, and asked the students where the water mixes together. To simulate this, the students participated in an activity to recreate the bay out of clay. Students added fresh water (clear) and salt water (blue) to their models.

After the students finished making their clay models, Mr. Rall's third grade class showed great concern for the San Francisco Bay as Ms. Clark announced that an oil spill had occurred. Zahmer, one of the third graders, pleaded with her not to spill the "oil" represented by red food dye in his model "No, we love the bay. Please don't hurt it."

Through this activity students realized how quickly pollutants travel throughout the watershed.

### The Storm Drain System

At the start of lesson two, third grade teacher Mr. Ralls commented, "The kids love this, they are so excited by all the hands on activities." During Lesson Two, students learned about the storm drain system and how it is different from the sewer system. They learned that water and pollution that enters storm drains is not cleaned before entering the bay. The students studied various forms of storm drain pollution, including trash, oil from leaking cars, car wash soap, paint, and pesticides. Students shared great ideas with Ms. Clark on how to prevent storm drain pollution from entering the watershed environment.

### Marine Debris

After learning how pollution can travel through the storm drain system, students looked at photographs of marine animals harmed by garbage and learned about the negative effects of marine debris. Students were very upset when looking at the pictures of animals hurt by marine debris. Just hearing about it a student was hesitant to even look at the pictures. "This is so sad!" the students said.

After discussing what they had learned, the students gave suggestions to prevent the debris from entering the watershed. They all agreed that a good place to start was the school. "Let's clean the school!" they all suggested.

### Campus and Neighborhood Clean-Up

Grayson Creek is only one block from the school entrance, so students in both classes were able to visit the creek while doing their litter clean-up. This allowed students to see first-hand how litter impacts the creek, and also gave them the opportunity to directly protect their creek.

When Ms. Covello's third grade class first arrived to the creek, students immediately spotted two storm drains and excitedly pointed them out. "Look! Here are two storm drains that go straight into the creek!" said a student named Dave. All the students gathered around the storm drains and peered into the creek by looking straight down through the storm drain holes on the sidewalk. "The litter we picked up at the school could go through these and into the creek," remarked Miles, a student in Ms. Covello's class.

During the clean-up with Mr. Ralls' class, the mother of a student named Leilani came to help. At the end of the clean-up she said to Ms. Clark, "Who knew kids love to pick up litter so much? It was really great that they got to walk to Grayson Creek and see the storm drain leading into it."

The students recorded data during the litter pick-up activity. At the end, they were excited to see they had collected almost 400 pieces of trash and realized how much they were helping the local creek.

### Dangers of Harmful Pesticides

During lesson three students learned about the dangers of pesticides, and how they can affect food chains. Ms. Clark explained how pesticides can enter the watershed through

ground water and storm drains. Then “pesticide” represented by red food coloring was added to the model.

Students were surprised to see how pesticides could affect their health as they traveled through the watershed and made great connections to the previous lessons.

#### Bay Organism Investigations

Students used their five senses to describe bay organisms. Investigating the fish and crab was an exciting opportunity for the third grade students of Gregory Gardens. “I can’t believe that crabs have hairs! Who would have thought?” said Sabine, a student in Ms. Covello’s class. In Mr. Rall’s class, third grader Natalie told Ms. Clark, “I’ve never looked at a fish so closely before. This is fun.”

Students were really engaged during this activity and they made great observations. A student named Waylon was very interested in the lateral line of the striped bass. “The fish uses this line to feel movements in the water. It looks like another stripe, but it’s not.”

#### Bay Food Chains and Biomagnification of Pollution

Students learned about aquatic food chains, and how pollution biomagnifies as it travels through organisms up a food chain. Ms. Clark did a demonstration using food chain cards, cloth “bellies,” and “polluted plankton” links. Students could be either an anchovy, salmon, or human. The anchovies collected plankton into their cloth “bellies.” The anchovies then were tagged by the salmon students who “ate” them and acquired their bellies. The salmon were then “eaten” by the human students.

At the end of the demonstration one human student shared what she had accumulated in her cloth belly. Students were in awe when they saw how much pollution had been built up through the food chain. This demonstration inspired the students to ask more questions about the pollutants that reach our oceans and whether or not eating fish is safe. A student made important connections as she asserted, “It would not be safe for people to eat fish, crabs, and other animals if they are living in polluted waters.”

#### Environmental Health and Taking Action

During the fifth classroom lesson, all the students compared and contrasted what it would be like to live in a healthy watershed with living in an unhealthy one. What they had learned in the past four lessons was very useful for this activity. The students shared that a healthy watershed consists of clean air and water, as well as abundant wildlife. When the students had the opportunity to illustrate a healthy watershed, they included clean storm drains, clean creeks, trees, and animals. In their unhealthy watershed, they drew polluting factories, leaking car oil, pesticides and dead fish.

During the community role-play activity, students realized how different areas have healthy and unhealthy environments. They were able to compare cities to rural areas and make conclusions about where they would prefer to live based on the health of the area and its characteristics.

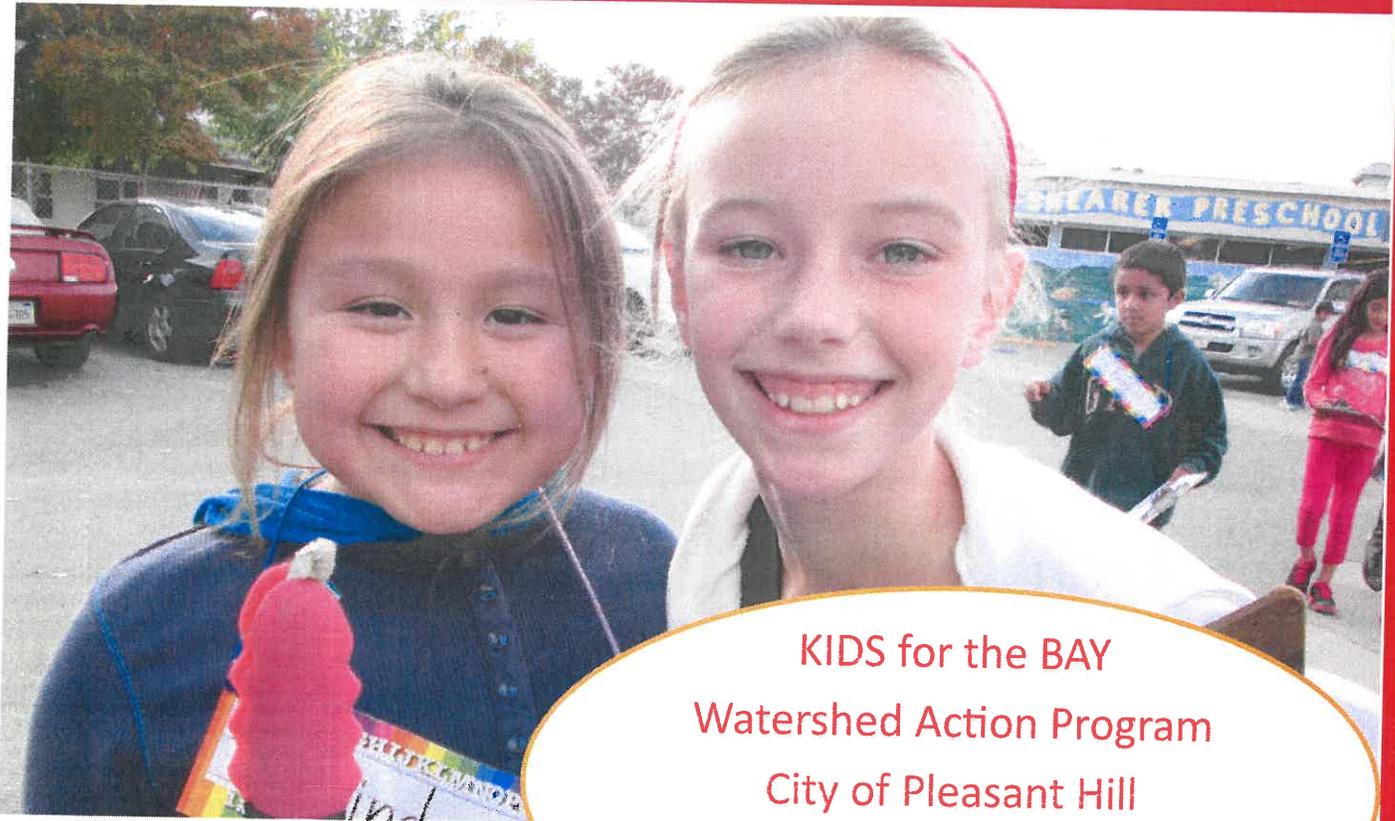
Gregory Gardens Elementary students in the Watershed Action Program are very motivated to take personal responsibility and become activists in the community to help make their local watershed clean and healthy.

At the end of the classroom lessons students shared what they had taught their families to prevent pollution. Erick, a student in Mr. Ralls' class shared, "I was able to teach my uncle that litter goes into the storm drain and then into the creek. He didn't know that!" In Ms. Covello's class, a student named Matthew shared the storm drain pledge he made with his Mom. Reading from his interview, he said, "We promise to recycle household waste and to never litter."

Teacher Anthony Ralls was an enthusiastic participant in the CSUEB academic credit program. He already taught his additional lesson and focused it on the Five Gyres of litter in the global ocean. This lesson expands on the topic of storm drains and litter pollution in our oceans. He assigned homework to his students in order to connect parents with this lesson and collected the student work.

#### Field Trip to Martinez Shoreline

Both Gregory Gardens classes will have the opportunity to visit the bay-delta during their field trip to the Martinez Shoreline. During the field trip, students will experience the diversity of organisms that are part of a healthy watershed and also participate in clean-up activities. Highlights from the Action Projects and field trips will be included in the final report.



KIDS for the BAY  
Watershed Action Program  
City of Pleasant Hill  
Classroom Lesson Highlights  
2013-2014 School Year



# LESSON 1

Getting to know the watershed.



Students learned how to use satellite maps to find where estuaries are formed in the San Francisco Bay



# LESSON 2

## Taking Action for a Healthy Watershed



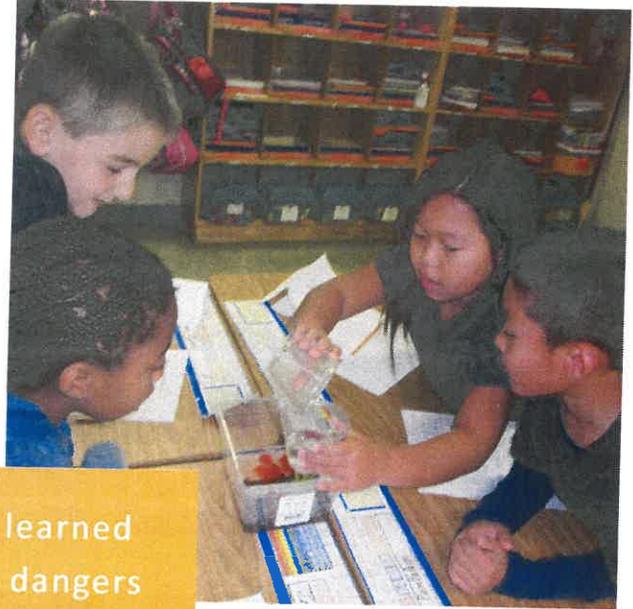
Students saw pictures of the effects of marine debris on different species and they wanted to do something to help.



Students were excited to document data like real scientists do. They felt great about helping to prevent debris from polluting the watershed by picking up

# LESSON 3

## Watershed Environmental Health and Food Chains



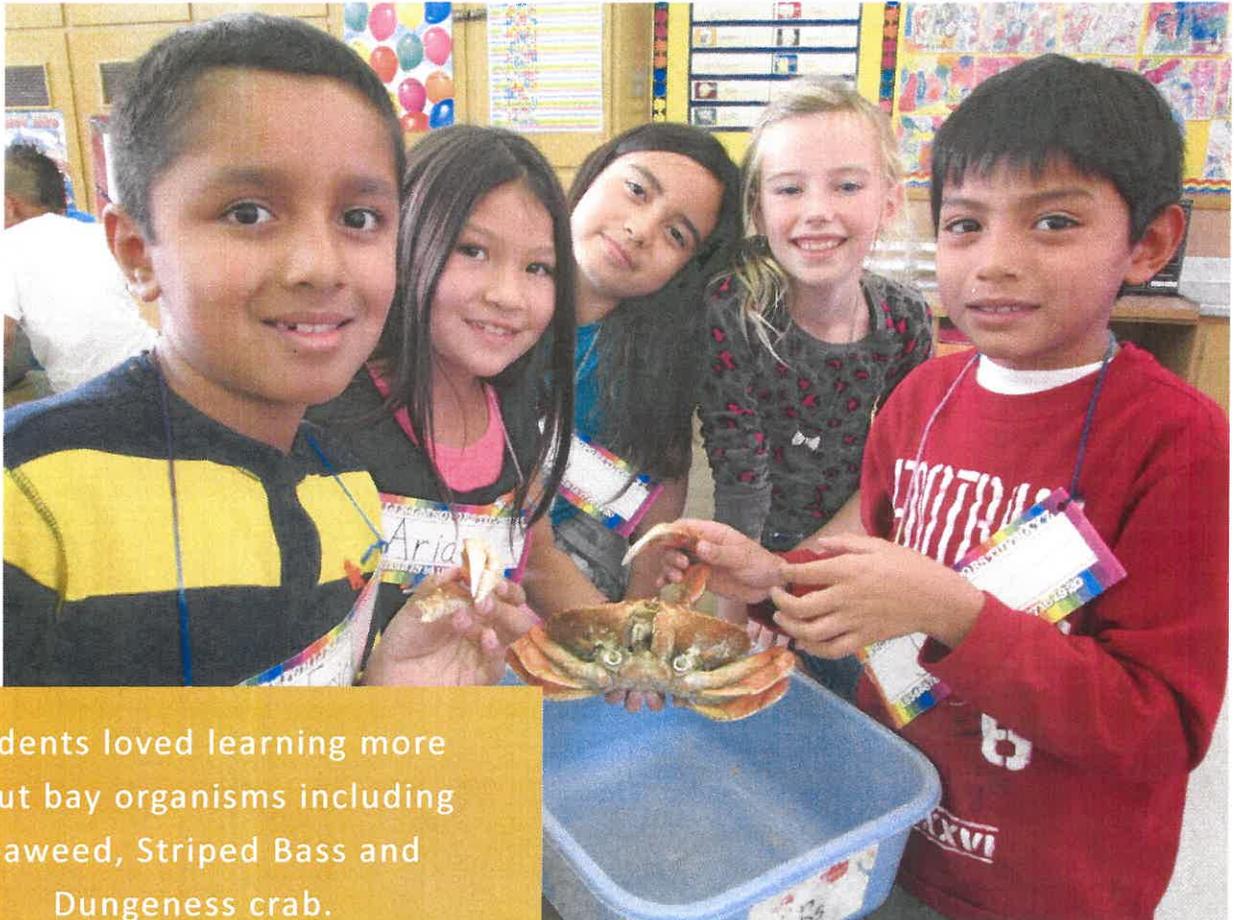
Students learned about the dangers of harmful pesticides in the watershed.



Students investigated bay organisms.

# LESSON 4

## Investigating Bay Organisms



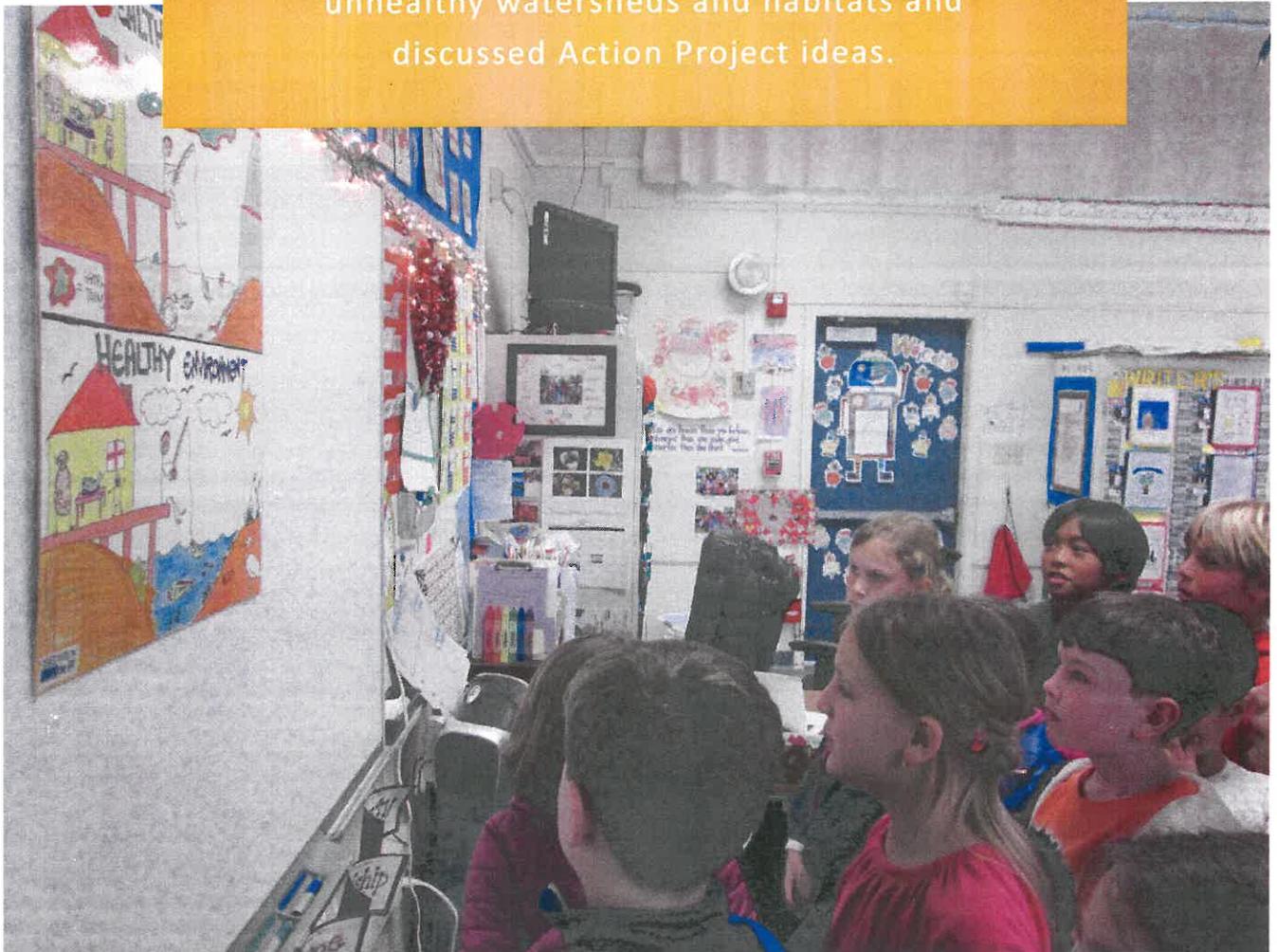
Students loved learning more about bay organisms including seaweed, Striped Bass and Dungeness crab.

# LESSON 5

## Environmental Justice and Taking Action



Students compared and contrasted healthy and unhealthy watersheds and habitats and discussed Action Project ideas.



# San Francisco Bay Area

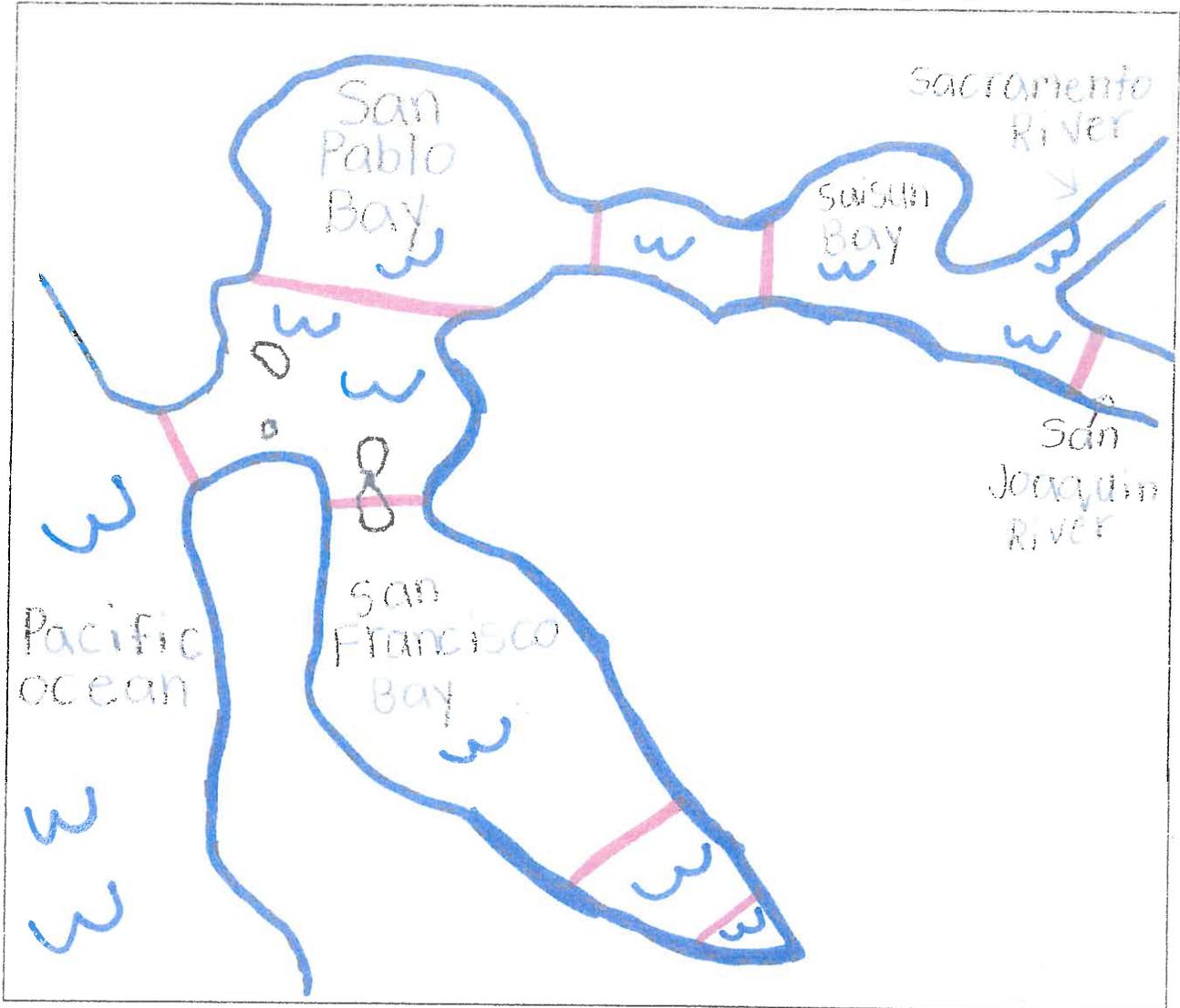
Name: Eliana L. Orma

## KIDS for the BAY

10/22/13

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

#9



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

Fresh water from the rivers mixes with salt water from the ocean to make an estuary.

Name of student: Tshepo

Name of family member: Pete

## KIDS for the BAY

### 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?

A storm drain is a structure that collects water off streets,

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

It goes to the local creek and does not get cleaned.

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

The sewer system cleans the water, but the storm drain just flows into the creek.

4. What types of <sup>pollutants</sup> pollution could get into the storm drain? Please list three.

a) oil

b) chemicals

c) trash

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

a) stop pouring them down the drain and into

b) the sewer system.

c) \_\_\_\_\_

6. Why is this important?

If you pollute you can kill the animals that produce food

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

We promise to stop pouring chemicals like oil and recycle it

Parent/Guardian Signature: \_\_\_\_\_

Thank your family member for talking with you.

# KIDS for the BAY

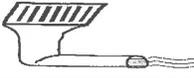
## NEIGHBORHOOD SURVEY

Name Rylio

Date \_\_\_\_\_

How many storm drains can you find in the neighborhood?

Storm Drains



|||

3

How many oil spills?

Oil spills



||

2

How many pieces of trash?

Plastic



|||||

10

Aluminum



|

1

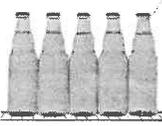
Paper



|||||

8

Glass



|

1

Other types of pollution (for example: cigarettes, food, pencils)

? |||

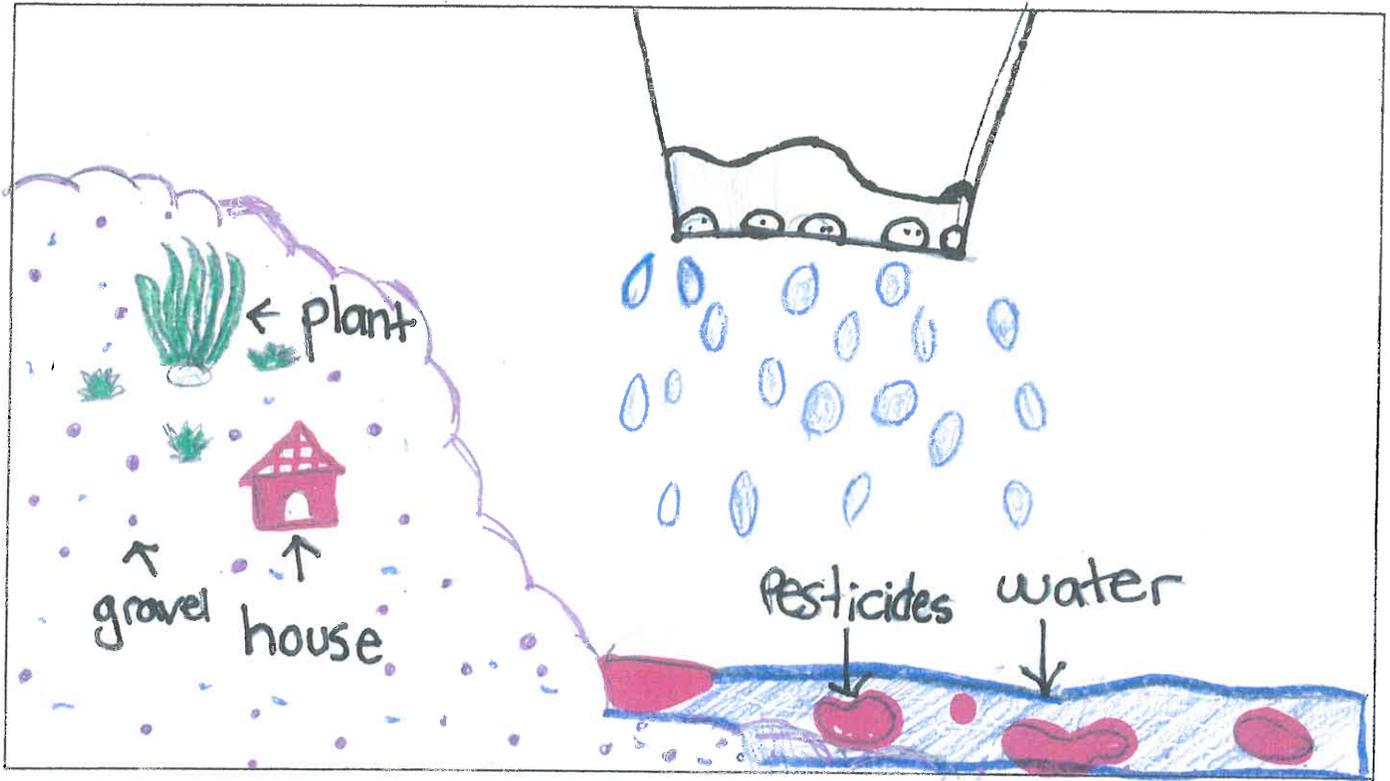
26

Name:     Claire    

## KIDS for the BAY

### 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.

The pesticides will mix with the creek and pollute the water, ground water, ocean...

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**

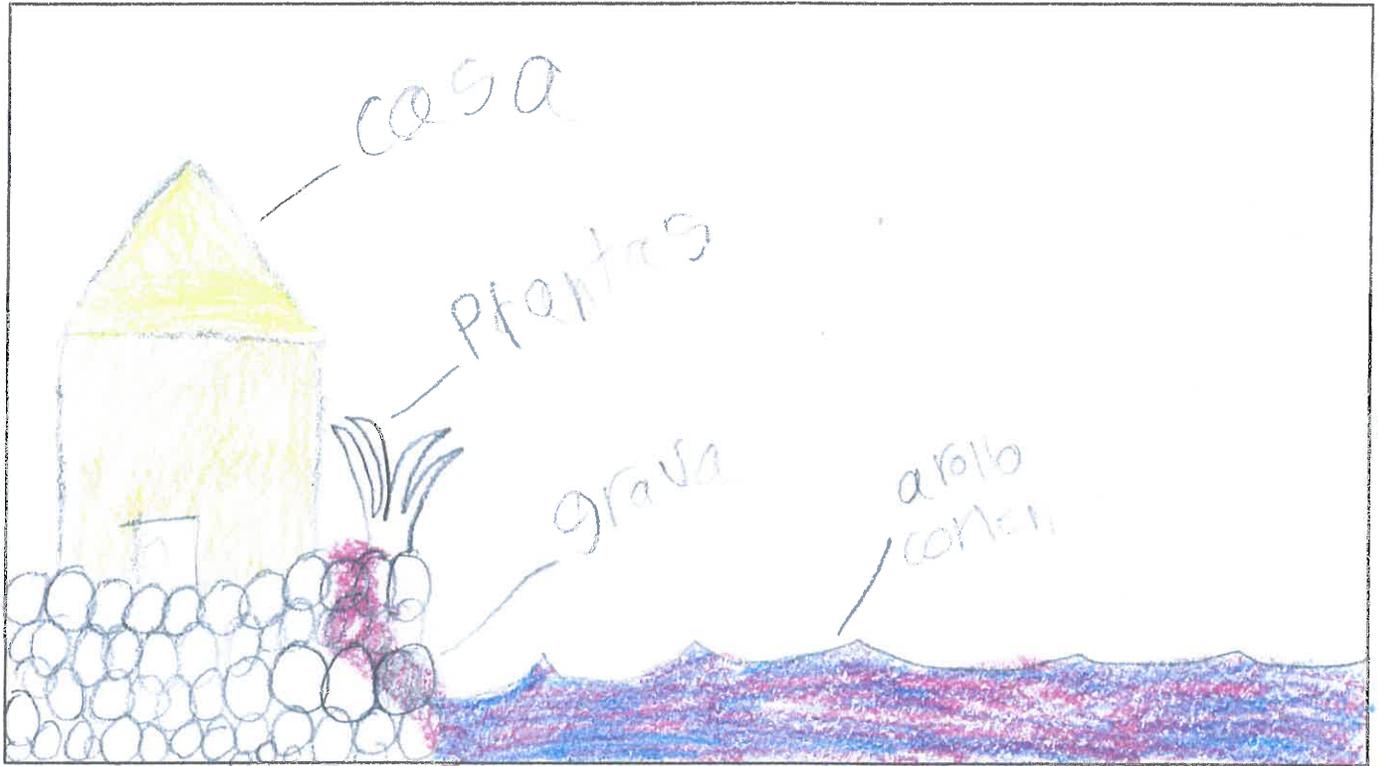
When it rained, the pesticides <sup>and herbicides</sup> mixed in with the water and is toxic to plants and waters. That is called pollution! This will then leach into the ground, in the ground water and is non eda in drink

Nombre: Tafet

## KIDS for the BAY

### Observaciones de los Modelos de Pesticidas

- 1) Dibuja y etiqueta tu Modelo de Pesticidas. Incluye la grava, el hogar, las plantas, y el arroyo.



- 2) Han puesto un aerosol de pesticidas/herbicidas en las plantas de tu Modelo de Pesticidas.  
Predice que va pasar cuando "llueve" en tu Modelo de Pesticidas.

Va a contaminar todo

- 3) En tu dibujo de arriba, dibuja lo que observaste cuando "llovió" en tu Modelo de Pesticidas.

- 4) Escribe lo que observaste cuando "llovió" en tu Modelo de Pesticidas.  
Incluye el vocabulario: **pesticida, toxico, contaminación**

Todo se iso rojo por que algien  
puso pesticida y cotamino el rio  
con toxico.

NAME: Ynes

## KIDS for the BAY

### BAY ANIMAL INVESTIGATION

1. What is the name of your bay animal?

My bay animal is the striped bass (a.k.a. stripy)

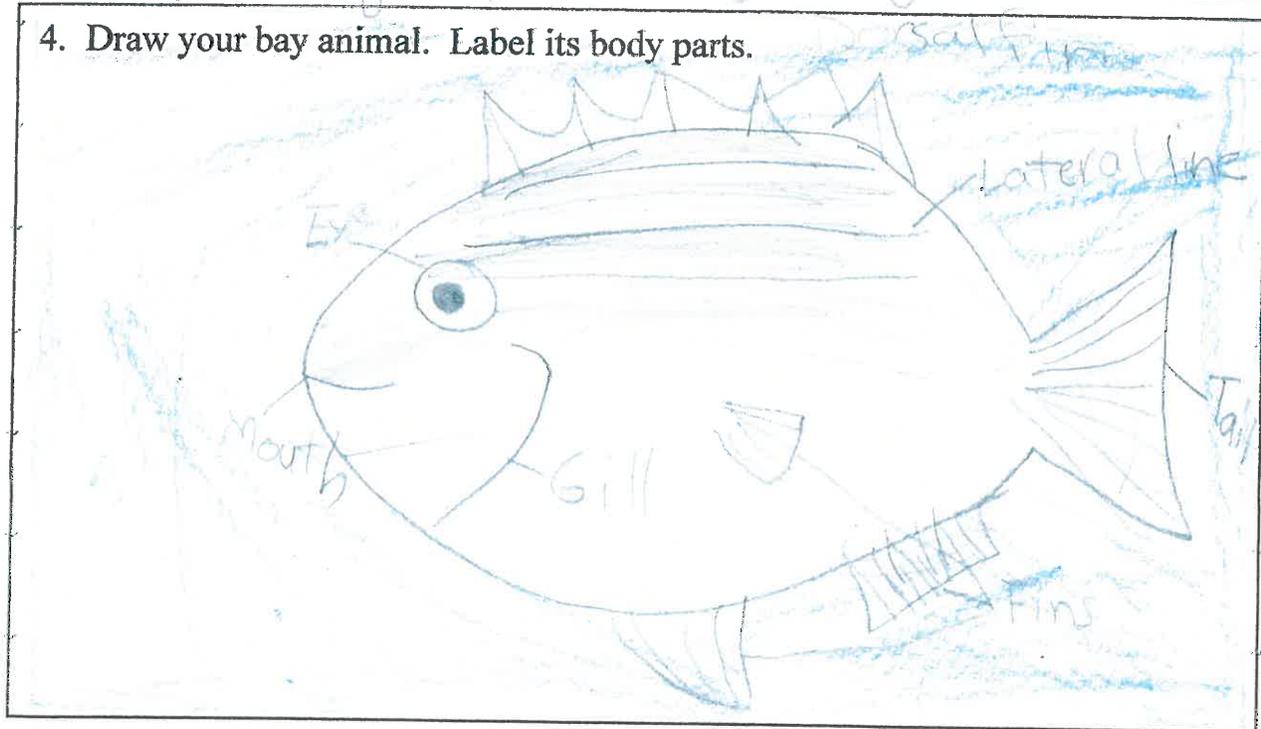
2. Write a food chain including your animal (for example: plankton → clam → gull).

sun → plankton → clam → striped bass

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

Stripy is silvery gray/darker on the top and lighter on the bottom. It has big round eyes. It feels slippery and wet, and it smells like fish after do like the ocean. Its dorsal fins are spiny and sharp. In fact, all its fins feel somewhat like that.

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



NAME: #117 Jan

# KIDS for the BAY

## BAY ANIMAL INVESTIGATION

1. What is the name of your bay animal?

Dangerous crab - Mr. Krab

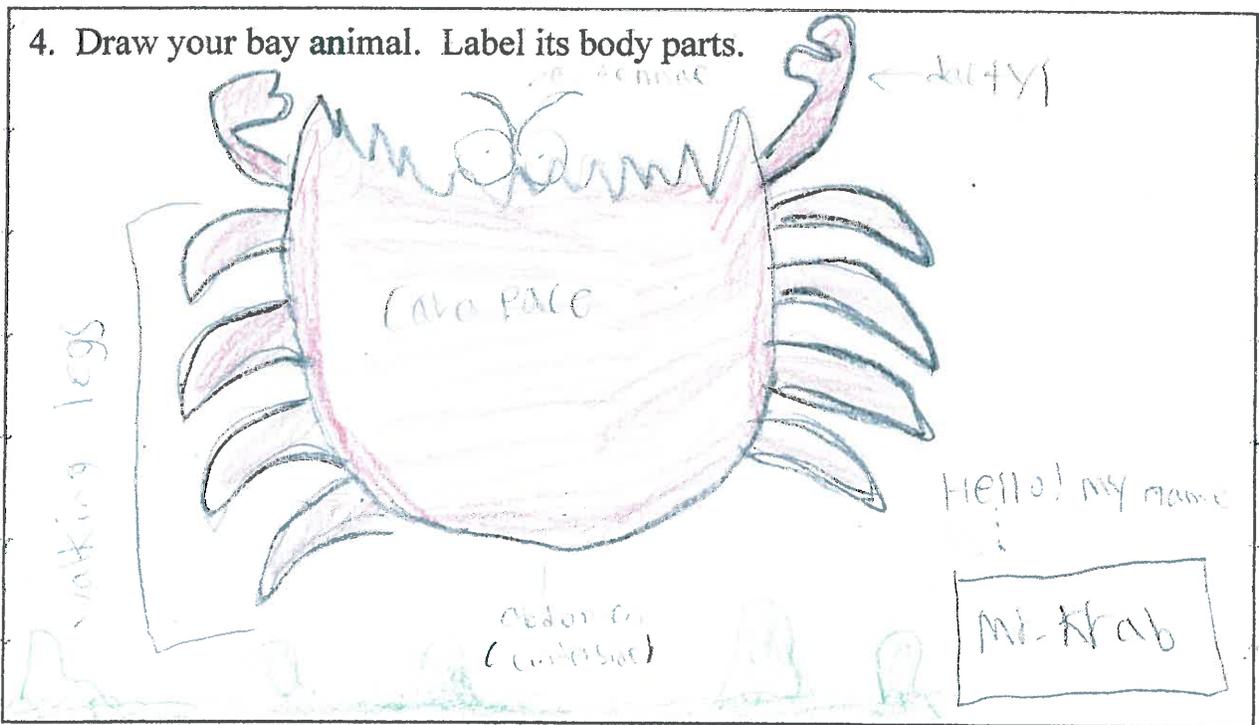
2. Write a food chain including your animal (for example: plankton → clam → gull).

sun → plankton → crab → person  
☀ → 🌊 → 🦀 → 😊

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

This crab has a triangle shaped tail if it's a male. It's red and looks orange with spots. The crab feels very cold and have spiky claws. It smells very strong and has a lot of legs.

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



# KIDS for the BAY

## Environmental Justice Leaders

Use this worksheet to take notes on your environmental justice leader. Write in complete sentences to prepare for your presentation.

(1) Who is your environmental justice leader and where does he/she live?

Constance Shaloid lives in the bayview-Hunters point  
Neighborhood in San Francisco.

(2) What are some of the problems in the community?

bayview-Hunters point has been the site for most of  
San Francisco's toxic waste and factories. There are  
over 375 toxic sites within the six miles of her neighborhood

(3) What is he/she fighting for or against? How is he/she doing it?

by regrowing the natural wetlands, the plants will take  
in many of the toxins in the water and  
improve the air quality.

# KIDS for the BAY

## Environmental Justice Leaders

Use this worksheet to take notes on your environmental justice leader. Write in complete sentences to prepare for your presentation.

(1) Who is your environmental justice leader and where does he/she live?

Aurora Castillo  
East Los Angeles

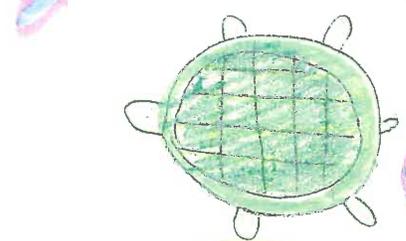
(2) What are some of the problems in the community?

In the past the government has allowed  
many companies to build toxic factories  
in this community.

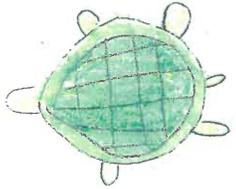
(3) What is he/she fighting for or against? How is he/she doing it?

Aurora demanded that all of the meetings  
with the companies and government were held  
in Spanish and English.

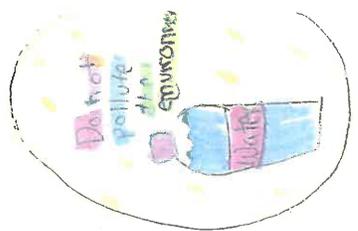
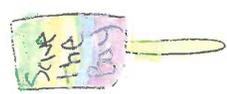
Don't



be bitter Please



don't litter!



They need your help!

Be a Child

**DO NOT**

**Litter!**

Great



Not Great!



**What Did The Environment Do To You.**

By: Alisha Higgins

# Don't M+ Pollute

Don't litter, one class picked up 577 pieces of trash in 30 minutes. Over one billion pounds of trash ends up in the ocean every year.

Don't be bitter  
Please don't litter

