



## City of Pleasant Hill

September 15, 2015

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

Dear Mr. Wolfe:

Enclosed is the 2014-15 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,

A handwritten signature in blue ink, appearing to read "June W. Catalano".

June W. Catalano  
City Manager

Enclosure

**ATTACHMENT B**

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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 1, 2014 through June 30, 2015		
<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>	jcatalano@ci.pleasant-hill.ca.us		
<b>Name of the Designated Stormwater Management Program Contact (if different from above):</b>	Mario Moreno	<b>Title:</b>	City Engineer
<b>Department:</b>	Engineering Division		
<b>Mailing Address:</b>	100 Gregory Lane		
<b>City:</b>	City of Pleasant Hill	<b>Zip Code:</b>	94523
		<b>County:</b>	Contra Costa
<b>Telephone Number:</b>	925-671-5252	<b>Fax Number:</b>	925-676-1125
<b>E-mail Address:</b>	mmoreno@ci.pleasant-hill.ca.us		

Section 2 - Provision C.2 Reporting Municipal Operations

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:  
**Refer to the C.2 Municipal Operations section of the CCCWP's Program's FY 14-15 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.

<b>Y</b>	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
<b>Y</b>	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.
<b>Y</b>	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.

<b>Y</b>	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
<b>Y</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments: **None**

**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.

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

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

<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.

C.2.e. ► Rural Public Works Construction and Maintenance			
Does your municipality own/maintain rural <sup>2</sup> roads:		<input type="checkbox"/>	<input checked="" type="checkbox"/> Yes
If your answer is <b>No</b> then skip to <b>C.2.f.</b>		<input checked="" type="checkbox"/> No	
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.			
<b>NA</b>	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas		
<b>NA</b>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources		
<b>NA</b>	No impact to creek functions including migratory fish passage during construction of roads and culverts		
<b>NA</b>	Inspection of rural roads for structural integrity and prevention of impact on water quality		
<b>NA</b>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion		
<b>NA</b>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate		
<b>NA</b>	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: <b>NA</b>			

<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.

<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: <b>None</b>			
If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:			
Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
Pleasant Hill Corp Yard	8/21/14	No issues noted.	None

**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 14-15 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.**

<i>(For FY 11-12 Annual Report and each Annual Report thereafter)</i> Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	<b>X</b>	<b>Yes</b>	<input type="checkbox"/>	<b>No</b>
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Comments (optional):  
**None**

**C.3.e.vi ► Special Projects Reporting**

1. Has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?		Yes	X	No
2. Has your agency granted final discretionary approval of a project identified as a Special Project in the March 15, 2015 report? If yes, include the project in both the C.3.b.v.(1) Table, and the C.3.e.vi. Table.		Yes	X	No
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. <b>N/A</b>				

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

(1) Fill in attached table C.3.h.iv.(1) or attach your own table including the same information.
(2) On an annual basis, provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.
Summary: <b>The City did not inspect any the existing facilities this year, as they were all inspected after construction was completed within the last couple years (In N Out, Safeway, and Senior &amp; Teen Center in FY12-13; Community Center and Pleasant Oaks Park in FY 13-14) or were inspected last year (Hidden Creek Estates). The City did inspect newly constructed facilities at Buskirk Avenue and Dick's Sporting Goods to meet its 20% requirement for this reporting year.</b>
(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: <b>The O&amp;M Program appears to be effective. There have been no reported incidents or problems with the newly constructed facilities or requests to modify or alter installed facilities. Since these facilities are professionally maintained by business owners, staff intends to conduct inspection on a 3- to 5-year basis.</b>

<b>(4)</b> During the reporting year, did your agency:					
• Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?	X	Yes		No	Not applicable. No new facilities were installed.
• Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls? <sup>3</sup>	X	Yes		No	Not applicable. No treatment measures
• Inspect at least 20 percent of the total number of installed vault-based systems?		Yes	X	No	Not applicable. No vault systems.
If you answered "No" to any of the questions above, please explain: <b>Two installed projects feature Filterra units (In N Out Burger and the Pleasant Hill Recreation and Park District Senior and Teen Center); neither facility was inspected this year. Both are planned for inspection FY 15-16.</b>					

**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 of Pleasant Hill'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>											
Homewood Suites (PLN 14-0429)	550 Ellinwood Way, Pleasant Hill, CA	Bill Herrick	NA	Hotel, One building with parking lot	Ellinwood Creek, tributary of Walnut Creek	2.43	2.45	11,054	73,028	73,028	84,082
Pleasant Hill Shopping Center Pad – NE Corner (PLN 14-0457)	552-572 Contra Costa Boulevard, Pleasant Hill, CA	Regency Centers	NA	Construction of a commercial building and parking lot in an existing parking area within existing shopping center	Grayson Creek	18.4	0.61	0	26,681	18.29 acres	18.29 acres
Sun Valley Apartments Site Improvement Project (PLN 14-0338)	1382 -1400 Contra Costa Boulevard, Pleasant Hill, CA APN 127-050-069	Bundy Family Trust	NA	Site Improvements at existing apartment complex including parking lot and creek bank stabilization	Ellinwood Creek, tributary of Walnut Creek	3.4	0.65	7,085	0	14,236	21,321
Pleasant Hill Animal Clinic (PLN 14-0429)	2805 Contra Costa Boulevard, Pleasant Hill, CA	Fjeld Family LP	NA	Construction of a new 2-story animal clinic at site of former similar facility	Grayson Creek	0.22	0.22	TBD	TBD	4,558	7,281
Price Lane Subdivision (PLN 15-0024)	118 Price Lane Pleasant Hill, CA	Castle Companies	NA	Five-lot Subdivision and construction of five single-family residences	Grayson Creek	1.02	1.02	23,086	45	4,998	23,131

<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.

**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>Public Projects</b>											
None	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: <b>None</b>											

**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>										
Homewood Suites	3/1/15	3/10/15 (Planning Commission approval)	Storm drain inlet marking; landscaping to minimize irrigation, fertilizers, pesticides.	Incorporate as much landscape as possible	nine bio-retention facilities or flow-through planters	O&M agreement with private landowner	2.c	NA	NA	Bio-retention basins sized for treatment and flow control per the CCCWP C.3 Guidebook
Pleasant Hill Shopping Center Pad – NE Corner	2/17/15	3/10/15 (Planning Commission approval)	Storm drain inlet marking; landscaping to minimize irrigation, fertilizers, pesticides; trash enclosure	Landscaping and bioretention for treatment of impervious surface runoff	three bio-retention facilities	O&M agreement with private landowner	2.c	NA	NA	Not required (less than 1 acre new/replaced impervious area)

<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).

**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>
Sun Valley Apartments Site Improvement Project (PLN 14-0338)	12/1/14	1/15/15 (Architectural Review Commission approval)	Storm drain inlet marking; landscaping to minimize irrigation, fertilizers, pesticides.	Preservation of and addition of trees, maintain natural drainage pattern	One Bioretention facility	O&M Agreement with private property owner	2c	NA	NA	Not required (less than 1 acre new/replaced impervious area)
Pleasant Hill Animal Clinic	4/15/15	5/12/15 (Planning Commission approval)	Storm drain inlet marking; landscaping minimize irrigation, pesticides; properly designed trash storage area	Minimize impervious surfaces; conserve existing trees;	Three Bioretention facilities	O&M Agreement with private property owner	2c	NA	NA	Not required (less than 1 acre new/replaced impervious area)
Price Lane Subdivision	~3/06 for original submittal; ~4/15 for recent Architectural Review Commission (ARC) approval	6/15/06 original ARC approval; 5/7/15 recent ARC approval (previous approval expired)	Storm drain inlet marking; landscaping to minimize irrigation, fertilizers, pesticides.	Minimize impervious surfaces; conserve existing trees; pervious surfacing	Bioretention facilities	O&M Agreement with private property owner	2c	NA	NA	Not required (less than 1 acre new/replaced impervious area)

Comments:

For the Price Lane Subdivision, the original application including the Tentative Map, was approved in 2006. In the interim, ownership of the property changed. The Tentative Map approval has not expired and remains valid until 2017; the Architectural Review Commission approval expired and the applicant was required to re-submit for approval this year in order to proceed with the project.

**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>										
None	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: <b>None</b>										

<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
Dick's Sporting Goods	2314 Monument Boulevard	YES	Private Property Owner	7/22/14	Initial	Bio-retention facilities (16)	Proper installation of bio-retention facilities.	NA	NA
Buskirk Avenue	Buskirk Avenue	YES	City of Pleasant Hill	10/27/14	Initial	Bio-retention	Proper installation of bio-retention facilities.	NA	NA

<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 –January1 – June 30, 2015												
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>
None	City of Pleasant Hill	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

<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.

<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.)

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

<b>Program Highlights</b>
Provide background information, highlights, trends, etc.
<b>Refer to the C.4. Industrial and Commercial Site Controls section of the CCCWPs FY 14-15 Annual Report for a description of activities of the CCCWP's Municipal Operations Committee and/or the BASMAA Municipal Operations Committee.</b>

<b>C.4.b.i. ► Business Inspection Plan</b>
Do you have a Business Inspection Plan? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If No, explain:

<b>C.4.b.iii.(1) ► Potential Facilities List</b>
List below or attach your list of industrial and commercial facilities in your Inspection Plan to inspect that could reasonably be considered to cause or contribute to pollution of stormwater runoff.
<b>See attachment.</b>

<b>C.4.b.iii.(2) ► Facilities Scheduled for Inspection</b>
List below or attach your list of facilities scheduled for inspection during the current fiscal year.
<b>See attachment.</b>

<b>C.4.c.iii.(1) ► Facility Inspections</b>		
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.		
	<b>Number</b>	<b>Percent</b>
Number of businesses inspected	<b>69</b>	
Total number of inspections conducted	<b>87</b>	
Number of violations (excluding verbal warnings)	<b>8</b>	
Sites inspected in violation	<b>7</b>	<b>10%</b>
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	<b>8</b>	<b>100%</b>
Comments: <b>None</b>		

**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)	6
Potential discharge and other	2
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	2	25%
Level 2	Notice of Violation	6	75%
Level 3	Formal Enforcement	0	0%
Level 4	Legal Action	0	0%
<b>Total</b>		<b>8</b>	<b>100%</b>

<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.

**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
Assisted Living	0	0
Commercial	0	1
Contractor	2	0
Dental Lab	0	0
Dry Cleaner	0	0
Fleet Operations	0	0
Food Service	4	0
Gas Station	0	0
Grocery Store	0	0
Laboratory	0	0
Manufacturing	0	0
Permitted IU	0	0
Property Management	0	0
Residential	0	0
Retail	0	1
Vehicle Service	0	0

**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:

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

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

<b>C.4.d.iii ▶ 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>
Workshop on the New Industrial General Permit – Central Contra Costa Sanitary District (Martinez)	December 16, 2014	<ul style="list-style-type: none"> <li>• The New Industrial General Permit (IGP): Overview and Key Features</li> <li>• Who's In and Who's Out: Businesses That Must File a Notice of Intent (NOI)</li> <li>• The Ins and Outs of Inspecting a NOI Facility</li> <li>• When to Make Facility Referrals and Other Questions about the IGP</li> </ul>	9	100%
Commercial/Industrial Stormwater Inspection Training Workshop San Ramon Community Center (San Ramon)	April 30, 2015	<ul style="list-style-type: none"> <li>• What to Expect in C.4, C.5, C.12, and C.13 from MRP 2.0</li> <li>• Inspecting the San Ramon Valley Unified School (SRVUSD) Service Center</li> <li>• Conduct Mock Inspection at SRVUSD</li> <li>• The ABCs of PCBs – PCB Investigations, Cleanups, and Inspections Under TSCA</li> <li>• Screening Properties for Potential PCB Source Areas</li> <li>• PCB Source Area Identification through Industrial Inspections</li> </ul>	9	100%
CCCSD Customer Service Training	July 8 or 17, 2014	<ul style="list-style-type: none"> <li>• Communication skills</li> <li>• Non-verbal queues</li> </ul>	7	78%
CWEA – P3S Conference	February 2-3, 2015	<ul style="list-style-type: none"> <li>• Stormwater education and outreach</li> <li>• Trash management</li> </ul>	3	33%
Environmental Enforcement Training	January 21-23, 2015	<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 14-15 Annual Report (if applicable) 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
Contra Costa Clean Water Program	Non-emergency illegal dumping hotline	1-800-NO-DUMPING
Ann Page	Assistant Engineer	925-671-5260
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 Cleaner Program. Refer to the C.5 Illicit Discharge Detection and Elimination section of CCCWP's FY 14-15 Annual Report for a description of efforts by 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 storm 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.**

**During this year's collection screening program, no evidence of illicit discharge was noted.**

**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))	3	
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))	3	100%

Comments:  
**Discharge reports that are unsubstantiated in the field are including reporting above as are discharges that were prevented from reaching the storm drain/receiving waters.**

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

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

**One incident involved the disposal of cases of butane gas in a dumpster behind an apartment complex; canisters were determined to be empty by Contra Costa Health Services.**  
**Second incident raised concern over a gasoline station underground tank that was determined be unsubstantiated by the Contra Costa Health Services.**  
**Third incident involved spillage of 5-gallon bucket of oil-based primer to the ground at a paint store. Spill was cleaned up and no impact to storm drain or waterways.**

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>
<b>1</b>	<b>3</b>	<b>2</b>
<p>Comments:</p> <p><b>Three sites disturbed more than 1 acre of soil during the reporting period but none were inspected during the rainy season. Dick’s Sporting Goods (SyWest Development): final building inspection performed in August 2014. City of Pleasant Hill – Buskirk Widening: the Notice of Termination was filed in November 2014 and the project was buttoned up prior to the 2014 rainy season; Contra Costa County Club: this project was completed in summer 2014 and completed prior to the rainy season.</b></p> <p><b>The single high priority site – remedial grading at the Sancerre Development – was completed included hydroseeding in November 2014 with hydroseeding completed.</b></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>	<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.

<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>	<b>0</b>	<b>0%<sup>57</sup></b>
<b>Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)</b>	<b>0</b>	<b>0%<sup>58</sup></b>
<b>Total number of violations (excluding verbal warnings) for the reporting year<sup>59</sup></b>	<b>0</b>	<b>0%</b>
<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: <b>There are no issues to report.</b>

<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: <b>Staff has evaluated the program for the reporting period, and believes the program to be effective and efficient. During the previous fiscal year, the City hired a new construction inspector, and at that time, the City evaluated its internal staff training program. 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.</b>
<b>Refer to the C.6 Construction Site Control section of CCCWP's FY 14-15 Annual Report for a description of activities at the countywide or regional level.</b>

<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. 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.

**C.6.f ▶ Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
NA – No training this year	NA	NA	NA	NA

**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:

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

<input type="checkbox"/>	Survey report attached
<input checked="" type="checkbox"/>	Reference to regional submittal: <b>Refer to Section C.7 in the CCCWP's FY 14/15 Annual Report for complete details on the pre-campaign survey conducted for the CCCWP's Pesticides Campaign</b>

**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:

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

<input type="checkbox"/>	Survey report attached
<input checked="" type="checkbox"/>	Reference to regional submittal: <b>Refer to Section C.7 in the CCCWP's FY 14/15 Annual Report for complete details on the post-campaign survey conducted for the CCCWP's Pesticides Campaign.</b>

**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. The newsletter is available at the counter, and is sent to all residents and businesses in Pleasant Hill each year. Some highlights include the following:**

**July/August 2014: Articles on the plastic bag ordinance update, electronic waste recycling, recycling, and a garden project at a local school featuring compost bins.**

**September/October 2014: Articles on plastic bag ordinance adoption, backyard composting workshops, electronic waste recycling, fall events at the Pleasant Hill Instruction Garden, and water conservation tips.**

**November/December 2014: Articles about flooding, drainage system maintenance; green tips for the holiday season, electronic recycling events; and a description of community service day events including clean up of Ellinwood Creek.**

**January 2015: Articles about effective date of plastic bag ban; community service award contest including a Green Business Award and a Green Award for an individual or organization showing outstanding leadership in sustainability; sustainable living workshop information; electronic recycling events; and lawn conversion rebate programs.**

**March/April 2015: Articles on Earth Day activities including a creek cleanup of Grayson Creek, electronic waste recycling, GREEN community awards, water conservation recommendations, backyard composting workshops,**

**May/June 2015: Articles on drought restriction being imposed by the two local water districts, street sweeping schedule changes, electronic waste recycling events, bike to work day, sustainable living workshops, lawn conversion workshops, composting workshops, and a citywide garage sale.**

The following separate report developed by BASMAA summarizes media relations efforts conducted during FY 14-15:

- BASMAA Media Relations Final Report FY 14-15

This report and any other media relations efforts conducted countywide is included within Section C.7 of the CCCWP's FY 14-15 Annual Report.

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

Summary of any changes made during FY 14-15:

**During FY14-15 the stormwater point of contact remained unchanged (Rod Wui, Senior Civil Engineer). In FY15-16, the stormwater point of contact will be changed due to staff turnover. During the transition period, the stormwater point of contact will be Mario Moreno, City Engineer, as indicated on page 1-1.**

<b>C.7.e ► Public Outreach Events</b>		
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		
<b>Event Details</b>	<b>Description</b> (messages, audience)	<b>Evaluation of Effectiveness</b>
<b>Bringing Back the Natives Garden Tour May 2015</b>	<b>Residents tour other people's native gardens and share concepts and ideas. One of the gardens on the tour was located in Pleasant Hill.</b>	<b>Refer to the CCCWP's C.7 section of the FY 14-15 Annual Report for a full description of the event/activity and an evaluation of effectiveness.</b>
<b>Caring for Our Creeks Event hosted by the Walnut Creek Watershed Council and Contra Costa Resource Conservation District (CCRCD) March 19, 2015</b>	<b>This event was held at the Pleasant Hill Community Center and educational information about stormwater protection was distributed.</b>	<b>The program began with a virtual tour of Walnut Creek Watershed, followed by an invitation from local creek groups to take part in one of a dozen volunteer activities planned for 2015, including those in Pleasant Hill (Grayson and Ellinwood Creek cleanups)</b>
<b>Our Water Our World</b>	<b>OWOW program provided information on how to manage home and garden pests in a less toxic manner. Tables with information at events and stores (Bill's Ace Hardware and Navlet's in Pleasant Hill and also in neighboring communities where Pleasant Hill residents may frequent).</b>	<b>Appears effective by steering customers towards less toxic products. Refer to the CCCWP's C.7 section of the FY 14-15 Annual Report for a full description of the event/activity and an evaluation of effectiveness.</b>

**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. During the City’s Community Service Day event on September 27, 2014, a major cleanup operation at Ellinwood Creek was conducted by community volunteers with approximately one ton of trash picked up in the creek. Approximately 25 volunteers worked on this project.**

**The City and CCCWP also support the Contra Costa Watershed Forum and Green Business Program.**

**Refer to the CCCWP’s C.7 section of the FY 14-15 Annual Report 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
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.
Earth Day, April 19, 2015	A cleanup of Grayson Creek - between Chilpancingo and Second Ave bridge was conducted.	Approximately 4 cubic yards of trash was picked up from community volunteers.
Community Service Day, September 27, 2014	A major cleanup operation at Ellinwood Creek was conducted by approximately 25 community volunteers	Approximately 8 cubic yards of trash was picked up in the creek.

**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
<b>Be Classy Not Trashy Campaign</b>	Youth Outreach Newsletter	See CCCWP's report	See CCCWP's report
<b>Mr. Funnelhead School Events and advertisements</b>	Youth Outreach	See CCCWP's report	See CCCWP's report
<b>Kids for the Bay</b>	See Attachment C.7.h	See Attachment C.7.h.	See Attachment C.7.h.

**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 14-15, 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 14-15 Annual Report and the Urban Creeks Monitoring Report submitted on March 15, 2015.**

Section 9 – Provision C.9 Pesticides Toxicity Controls

<b>C.9.b ► Implement IPM Policy or Ordinance</b>						
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.						
<b>Trends in Quantities and Types of Pesticides Used<sup>60</sup></b>						
<b>Pesticide Category and Specific Pesticide Used</b>	<b>Amount<sup>61</sup></b>					
	<b>FY 09-10</b>	<b>FY 10-11</b>	<b>FY 11-12</b>	<b>FY 12-13</b>	<b>FY 13-14</b>	<b>FY 14-15</b>
<b>Organophosphates</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Pyrethroids</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Carbaryl</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Fipronil</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>C.9.c ► Train Municipal Employees</b>	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	<b>12</b>
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	<b>12</b>
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.	<b>100%</b>

<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.

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

<b>C.9.e <input type="checkbox"/> Track and Participate in Relevant Regulatory Processes</b>	
Summarize participation efforts, information submitted, and how regulatory actions were affected <b>OR</b> reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.	
Summary: <b>During FY 14-15, 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.</b>	

<b>C.9.f <input type="checkbox"/> Interface with County Agricultural Commissioners</b>				
Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?		<input type="checkbox"/>	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.				

<b>C.9.h.ii <input type="checkbox"/> Public Outreach: Point of Purchase</b>	
Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); <b>OR</b> reference a report of a regional effort for public outreach in which your agency participates.	
Summary: <b>See the C.9 Pesticides Toxicity Control section of the CCCWP's FY 14-15 Annual Report for information on point of purchase public outreach conducted countywide and regionally.</b>	

**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 14-15 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use.**

Section 10 - Provision C.10 Trash Load Reduction

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

Provide the following:

- 1) Total number and types of full capture devices (publicly and privately-owned) installed to-date;
- 2) 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); and, compare with the total required in the permit.
- 3) 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. Describe, in particular, any devices that have trash or debris overflowed, bypassed or are not functioning properly in any other manner. Describe corrective actions.

Type of Device	# of Devices	Acres Treated in FY 14-15 by Trash Generation Category				
		Low	Moderate	High	Very High	Total
Connector Pipe Screens/Filters	61	110	16	27	0	153
Hydrodynamic Separator Units (HDS)	1	19	8	3	0	31
Low Impact Development (LID)	8	5	11	12	7	35
<b>Total for all Types</b>	<b>70</b>	<b>134</b>	<b>36</b>	<b>42</b>	<b>7</b>	<b>219</b>
<b>Required by Permit</b>						<b>66</b>

**Maintenance Summary** (Describe, in particular, any devices that have trash or debris overflowed, bypassed or are not functioning properly in any other manner. Describe corrective actions).

All devices installed in public streets (REM Triton Bioflex Trash Guard) are inspected and maintained annually by the manufacturer at least once per year, prior to the rainy season, per manufacturer recommendations (3xs/year). 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 2014-15 to the extent possible. Also, provide additional information on creek cleanups conducted beyond those required that are .

Trash Hot Spot	FY 14-15 Cleanup Date(s)	Volume of Trash Removed (cubic yards)					Dominant Type(s) of Trash in FY 2014-15	Trash Sources in FY 2014-15 (where possible)
		FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15		
PLH-01 Chilpancingo Parkway Bridge	06/23/14	2	2	2	2	7	Yard waste	NA
PLH-02 Cleaveland & Astrid Bridge	06/23/14	2	2	2	2	3	Miscellaneous	NA

**Additional Receiving Water Cleanups-** Additional Receiving Water Cleanups were conducted and are listed below. These cleanups have been used to give the City an additional reduction of 6%. The City of Pleasant Hill used the formula provided by the Contra Costa Clean Water Program via EOA, Inc. to calculate the percent reduction. Please see the calculation below.

9/27/2014 Ellinwood Creek; Volunteer Cleanup. 8 cubic yards of dry trash collected

4/19/2015 Grayson Creek; Volunteer Cleanup. 4 cubic yards of dry trash collected.

**Formula**

$$1\% = ((12*22)+(4*152)+805)*.225$$

$$1\% = 377 \text{ Gallons}$$

$$12 \text{ cubic yards} = 2424 \text{ Gallons}$$

$$2424/377 = 6.42\%$$

$$\text{Percent Reduction} = 6\%$$

<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.	
<b>Description of Significant Revision</b>	<b>Associated TMA</b>
<b>Changes to baseline trash generation rate.</b>	<b>TMA 2, 6, 8, and 9</b>
<b>TMA removed from Long-term Plan.</b>	<b>13 and 14</b>

**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.

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	<p>The City passed a plastic bag ban during this reporting period. The first public hearing on the ordinance was held on July 7, 2014, and Council adopted the ordinance on August 8, 2014. The ordinance went into effect on 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></p>	<p>The City of Pleasant has not conducted any assessments prior to June 30, 2015. The City used an average percentage based on surrounding communities with bag bans (Martinez, Pittsburg and Walnut Creek) as well as a neighboring community within the clean water program (Richmond) to average all of the assessment data collected and calculate a 6% reductions. The City is planning to implement assessments to collect data regarding the success of the ban.</p>	<p>No assessments were conducted this reporting year.</p>	<p>6%</p>

**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 generated very high (VH), high (H), moderate (M), or low (L) levels of trash in 2009, as depicted on trash generation maps;
- Identify the dominant trash source(s) and dominant type(s) of trash addressed or to-be addressed in the TMA;
- Provide the area currently treated by full capture devices, the quantity and type of devices installed to-date, and the % and acres of jurisdictional area in very high (VH), high (H), moderate (M), and low (L) generation categories that are currently treated by full capture devices in the TMA;
- 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 acres of jurisdictional area in very high (VH), high (H), moderate (M), and low (L) generation categories in areas associated with actions other than full capture devices in the TMA;
- 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.
- Provide the acres in VH, H, M or L generation categories after accounting for reduction associated with control measures other than full capture devices;
- Provide the acres in VH, H, M or L generation categories after accounting for reductions associated with ALL control measures (i.e., full capture and other actions) implemented to-date in the TMA
- Provide an estimate of the % of trash reduced in the TMA as a result of ALL control measures implemented to-date in the TMA. using the following formula:

$$\% \text{ Reduction} = 100 [(12A_{VH(2009)} + 4A_{H(2009)} + A_{M(2009)}) - (12A_{VH} + 4A_H + A_M)] / (12A_{VH2009} + 4A_{H2009} + A_{M2009})$$

where:

- $A_{VH(2009)}$  = total amount of the 2009 very high trash generation category in jurisdictional area
- $A_{H(2009)}$  = total amount of the 2009 high trash generation category in jurisdictional area
- $A_{M(2009)}$  = total amount of the 2009 moderate trash generation category in jurisdictional area
- $A_{VH}$  = total amount of very high trash generation category in jurisdictional area in the reporting year
- $A_H$  = total amount of high trash generation category in jurisdictional area in the reporting year
- $A_M$  = total amount of moderate trash generation category in jurisdictional area in the reporting year
- 12 = Very High to Moderate weighing ratio
- 4 = High to Moderate weighing ratio
- 100 = fraction to percentage conversion factor

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
1	149	Retail and commercial	Food containers, paper	Baseline Generation Areas (2009)	0	73	62	14
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	30	15	0
	45	This TMA has: 36 Connector Pipe Screens/Filters; 1 Hydrodynamic Separator.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	42	47	14
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	0	42	47	14
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
	Area After Taking into Account Full Capture Devices AND Other Actions					0	42	47
Estimated % Trash Reduction in this TMA					38% (59%)			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
2	156	Retail and commercial	Food containers, paper	Baseline Generation Areas (2009)	22	42	46	47
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	7	5	0	0
	13	This TMA has: 2 LID Facilities.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	14	36	46	47
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	14	36	46	47
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
	Area After Taking into Account Full Capture Devices AND Other Actions					14	36	46
Estimated % Trash Reduction in this TMA					23% (88%)			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
3	22	Retail	Food containers, paper, debris	Baseline Generation Areas (2009)	0	22	0	0
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	6	0	0
	6	This TMA has: 1 LID Facility.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	0	16	0	0
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	0	16	0	0
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
	Area After Taking into Account Full Capture Devices AND Other Actions					0	16	0
Estimated % Trash Reduction in this TMA					29% (40%)			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
4	723	Residential and School	Leaves, food trash	Baseline Generation Areas (2009)	0	0	94	629
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	0	29
	29	This TMA has: 5 Connector Pipe Screens/Filters.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	0	94	601
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	0	0	94	601
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
	Area After Taking into Account Full Capture Devices AND Other Actions					0	0	94
Estimated % Trash Reduction in this TMA					0% (2%)			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
5	635	Residential and school	Leaves, food trash	Baseline Generation Areas (2009)	0	7	120	509
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	3	12
	15	This TMA has: 4 Connector Pipe Screens/Filters; 1 LID Facility.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	0	7	117	497
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	0	7	117	497
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
Area After Taking into Account Full Capture Devices AND Other Actions					0	7	117	512
Estimated % Trash Reduction in this TMA					2% (26%)			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
6	223	Residential and commercial	Debris, food trash	Baseline Generation Areas (2009)	0	8	82	133
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	0	2
	2	This TMA has: 1 LID Facility.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	8	82	131
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	0	8	82	131
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
Area After Taking into Account Full Capture Devices AND Other Actions					0	8	82	133
Estimated % Trash Reduction in this TMA					0% (14%)			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
7	213	Residential and commercial	Debris, food trash	Baseline Generation Areas (2009)	0	0	143	70
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	8	19
	27	This TMA is partially treated by devices within neighboring TMAs.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	0	135	50
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	0	0	135	50
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
	Area After Taking into Account Full Capture Devices AND Other Actions					0	0	135
Estimated % Trash Reduction in this TMA					6% (9%)			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
8	243	Residential	Debris, food trash	Baseline Generation Areas (2009)	0	0	16	227
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	0	4
	4	This TMA has: 2 LID Facilities.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	0	16	223
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	0	0	16	223
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
Area After Taking into Account Full Capture Devices AND Other Actions					0	0	16	227
Estimated % Trash Reduction in this TMA					2%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
9	677	Residential and school	Leaves, food trash	Baseline Generation Areas (2009)	0	1	185	491
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	10	3
	14	This TMA has: 5 Connector Pipe Screens/Filters; 1 LID Facility.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	1	175	487
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	0	1	175	487
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
	Area After Taking into Account Full Capture Devices AND Other Actions					0	1	175
Estimated % Trash Reduction in this TMA					5%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
10	613	Residential and golf course	Leaves	Baseline Generation Areas (2009)	0	0	58	555
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	0	50
	50	This TMA has: 9 Connector Pipe Screens/Filters.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	0	58	505
	Assessment Methods for Control Measures Other than Full Capture Devices							
	Area after Accounting for Other Actions (based on assessment results)			Area after Accounting for Other Actions (based on assessment results)	0	0	58	505
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
	Area After Taking into Account Full Capture Devices AND Other Actions							
Estimated % Trash Reduction in this TMA					0%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
11	296	Residential and open space	Leaves	Baseline Generation Areas (2009)	0	0	0	295
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	0	0
	0	There are no full capture devices installed in this TMA.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	0	0	295
	Assessment Methods for Control Measures Other than Full Capture Devices			Area after Accounting for Other Actions (based on assessment results)	0	0	0	295
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
	Area After Taking into Account Full Capture Devices AND Other Actions					0	0	0
Estimated % Trash Reduction in this TMA					0%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)												
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category							
					VH	H	M	L				
12	397	Residential and open space	Leaves	Baseline Generation Areas (2009)	0	0	0	397				
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	0	14				
	14	This TMA has: 2 Connector Pipe Screens/Filters.										
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	0	0	0	383				
	Assessment Methods for Control Measures Other than Full Capture Devices											
	Summary of Assessment Results			Area after Accounting for Other Actions (based on assessment results)	0	0	0	383				
	No assessments were conducted in this TMA											
	Area After Taking into Account Full Capture Devices AND Other Actions								0	0	0	397
	Estimated % Trash Reduction in this TMA								--			

**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 receiving water cleanups not reported in C.10.b.iii.

**Discussion of Trash Reduction Estimate (including Receiving Water Cleanups):**

**Additional Receiving Water Cleanups:** Additional Receiving Water Cleanups were conducted and are listed below. These cleanups have been used to give the City an additional reduction of 6%. The City of Pleasant Hill used the formula provided by the Contra Costa Clean Water Program via EOA, Inc. to calculate the percent reduction. Please see the calculation below. 9/27/2014 Ellinwood Creek; Volunteer Cleanup. 8 cubic yards of dry trash collected. 4/19/2015 Grayson Creek; Volunteer Cleanup. 4 cubic yards of dry trash collected.

**Formula:**

$1\% = ((12*22)+(4*152)+805)*.225$ ; 1% = 377 Gallons; 12 cubic yards = 2424 Gallons;  $2424/377 = 6.42\%$

Percent Reduction = 6%

**Additional Full-Trash Capture Devices:** The City has provided adjusted trash reduction estimates in parentheses below and in the C.10.d Part B Tables for TMAs 1 through 7 to present the trash reduction estimates after installation of 43 new devices. The locations of the new devices have been identified, the City has entered into a contract with and paid the vendor for the project, and installation will occur by October 2015.

Estimated % Trash Reduction due to Jurisdictional-wide Actions (as Reported in C.10.d – Part A)	6%
Estimated % Trash Reduction in All TMAs due to Trash Full Capture Devices (as Reported in C.10.d. – Part B)	18% (44%)
Estimated % Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Devices in All TMAs) (as Reported in C.10.d. – Part B)	24% (50%)
<b>Subtotal for Above Actions</b>	<b>24%</b>
Estimated % Trash Reduction due to Receiving Water Cleanups (All TMAs)	6%
<b>Total Estimated % Trash Reduction FY 14-15</b>	<b>30%</b>

**Section 11 - Provision C.11 Mercury Controls**

**C.11.a.i ► Mercury Recycling Efforts**

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

**Refer to FY 14-15 CCCWP Annual Report for a list of mercury collection and recycling efforts conducted county-wide and regionally.**

**C.11.a.ii ► Mercury Collection**

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

**Please refer to the FY 14-15 CCCWP Annual Report for an estimate of the mass of mercury collected through collection and recycling efforts in the Countywide Program area.**

- 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 14-15 Annual Report, the Integrated Monitoring Report submitted on March 15, 2014, and the Urban Creeks Monitoring Report submitted on March 15, 2015.**

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 14-15 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 14-15 Annual Report, the Integrated Monitoring Report submitted March 15, 2014, and the Urban Creeks Monitoring Report submitted on March 15, 2015.**

### 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. 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.**

#### 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

**No facilities were identified as users or sources of copper. Please refer to BASMAA POC inspector training materials.**

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

Note: There are no reporting requirements in the FY 14-15 Annual Report for Section C.14.

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: <b>None</b>				

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

<p>Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:</p> <ul style="list-style-type: none"> <li>• Promote conservation programs</li> <li>• Promote outreach for less toxic pest control and landscape management</li> <li>• Promote use of drought tolerant and native vegetation</li> <li>• Promote outreach messages to encourage appropriate watering/irrigation practices</li> <li>• Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.</li> </ul>
<p>Summary:  <b>The City requires implementation of source control measures for landscaping and outdoor pesticide use in development projects through conditions of approval. The City strongly encourages water conservation and reduced pesticide use through drought tolerant landscaping in new projects conditions of approval. The City, through the CCCWP, promotes several programs and measures to minimize pollutant loading from excess irrigation including, but not limited to:</b></p> <ul style="list-style-type: none"> <li>• 6th Edition Stormwater C.3 Guidebook adopted by ordinance, which promotes to land development professionals landscaping designed to: 1) minimize irrigation and runoff; 2) promote infiltration of runoff where appropriate; and, 3) minimize use of fertilizers and pesticides using pest-resistant plants that are suited to site conditions (e.g., soil and climate).</li> <li>• Green Business Program, which promotes to businesses a variety of measures such as using drought tolerant plantings, mulching, carefully monitoring irrigation schedules and needs, and implementing Integrated Pest Management.</li> <li>• Our Water Our World (OWOW) Program, which promotes to consumers and the point of purchase less toxic alternatives to combating lawn and garden pests.</li> <li>• Bay Friendly Landscaping and Gardening Training and Certification Program, which promotes to landscapers a variety of measures designed to reduce waste and prevent stormwater pollution.</li> </ul>

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

Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity <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.

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

Name	Address	City	Program Category
Chateau II	2726 PLEASANT HILL 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
Chateau III	175 CLEVELAND Road	Pleasant Hill	Assisted Living
Chateau I	2770 PLEASANT HILL Road	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
Aegis Living	1660 OAK PARK Blvd	Pleasant Hill	Assisted Living
Farrington's Bar	1938 CONTRA COSTA Blvd	Pleasant Hill	Bar Only
C J's Saloon	548 CONTRA COSTA Blvd	Pleasant Hill	Bar Only
Pleasant Hill Collision	1581 OAK PARK Blvd	Pleasant Hill	Body Shop
Jack's Auto Body & Repair	199 MAYHEW Way B	Walnut Creek	Body Shop
Kirby Carpet Cleaning	3330 VINCENT Road L	Pleasant Hill	Carpet Cleaner
Van Noy Catering	131 LONGFELLOW Drive	Pleasant Hill	Catering-Bus.
Faiche Catering	131 LONGFELLOW Drive	Pleasant Hill	Catering-Bus.
Pinch Catering, Inc.	1941 OAK PARK Blvd 10	Pleasant Hill	Catering-Bus.
Latern Catering	1941 OAK PARK Blvd 10	Pleasant Hill	Catering-Bus.
Hair Secrets & More	548 CONTRA COSTA Blvd F	Pleasant Hill	Commercial
Concord Feed	228 HOOKSTON Road	Pleasant Hill	Commercial
Pleasant Hill Food Truck Event (Off The Grid)	0000 TRELANY Road	Pleasant Hill	Commercial
Sunshine Spa	1948 CONTRA COSTA Blvd	Pleasant Hill	Commercial
All About The Fish	102 S 2nd Ave	Pleasant Hill	Commercial
All Seasons Insulation Company	3381 VINCENT Road D	Pleasant Hill	Commercial
Kelly Moore Paint Co.	1725 CONTRA COSTA Blvd	Pleasant Hill	Commercial
Jetalon Solutions, Inc.	3343 VINCENT Road B	Pleasant Hill	Commercial
DPS performing work at	625 CONTRA COSTA Blvd	Pleasant Hill	Contractor
R&D Compliance Testing performing work at	3210 BUSKIRK Ave	Pleasant Hill	Contractor
Topete Trucking	157 CRESCENT PLAZA	Pleasant Hill	Contractor
Dynasty Roofing, Inc.	3330 VINCENT Road E	Pleasant Hill	Contractor
Gold West Dental Laboratory	401 GREGORY Lane 246	Pleasant Hill	Dental Lab
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
Santos Dental Laboratory	1226 CONTRA COSTA Blvd	Pleasant Hill	Dental Lab
Grace Cleaners	690 GREGORY Lane	Pleasant Hill	Dry Cleaner
Oak Park Cleaners	1906 OAK PARK 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
Custom Care Cleaners	2685 PLEASANT HILL Road E	Pleasant Hill	Dry Cleaner
Park Avenue Cleaners	1643 CONTRA COSTA Blvd	Pleasant Hill	Dry Cleaner
Paris Cleaners	2393 PLEASANT HILL Road	Pleasant Hill	Dry Cleaner
Hosanna Cleaners	1946 CONTRA COSTA Blvd	Pleasant Hill	Dry Cleaner
Vogue Cleaners	100 LONGBROOK Way 6	Pleasant Hill	Dry Cleaner
Sisters Cleaners	2215 MORELLO Ave	Pleasant Hill	Dry Cleaner
Pacific States Petroleum	220 HOOKSTON Road	Pleasant Hill	Fleet Operations
Protransport-1	2450 ESTAND Way	Pleasant Hill	Fleet Operations
Cresco Xpress	2098 MONUMENT	Pleasant Hill	Fleet Operations
Pleasant Hill Public Works Center	310 CIVIC Drive	Pleasant Hill	Fleet Operations
7-Eleven	601 PATTERSON Blvd	Pleasant Hill	Food Service
Magoo's Grill and Bar	1250 CONTRA COSTA Blvd 101	Pleasant Hill	Food Service
Little Red Bistro	690 GREGORY Lane 4	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
Little Dragon Restaurant	270 GOLF CLUB Road	Pleasant Hill	Food Service
Jack's Restaurant & Bar	60 CRESCENT Drive 15A	Pleasant Hill	Food Service
Latte Da Espresso & More	1902 OAK PARK Blvd	Pleasant Hill	Food Service
Jamba Juice	65 CRESCENT Drive C	Pleasant Hill	Food Service
Kentucky Fried Chicken	635 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Bangkok Restaurant	1910 OAK PARK Blvd	Pleasant Hill	Food Service
Burger King #1864	677 CONTRA COSTA Blvd	Pleasant Hill	Food Service

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

Name	Address	City	Program Category
Boston Market #1961	2180 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Boba Hut	260 GOLF CLUB Road A	Pleasant Hill	Food Service
Jo's Honda Sushi	150 LONGBROOK Way C	Pleasant Hill	Food Service
Jo's Sushi Bar	2217 MORELLO Ave	Pleasant Hill	Food Service
La Mordida	607 GREGORY Lane 140	Pleasant Hill	Food Service
La Botana	2290 MONUMENT Blvd	Pleasant Hill	Food Service
Blondies Pizza	1035 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Kobe Japan	1918 OAK PARK Blvd	Pleasant Hill	Food Service
Black Angus Restaurant	3195 N MAIN Street	Pleasant Hill	Food Service
Kinder's Custom Meats	2227 MORELLO Ave	Pleasant Hill	Food Service
Back Forty Texas BBQ	100 COGGINS Drive	Pleasant Hill	Food Service
City of Pleasant Hill Community Center	320 CIVIC 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
Dallimonti's Italian Restaurant	1932 OAK PARK Blvd	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
Country Waffles	2390 MONUMENT Blvd A	Pleasant Hill	Food Service
Corner Bakery Café	35 CRESCENT Drive A,B	Pleasant Hill	Food Service
Contra Costa Country Club	801 GOLF CLUB Road	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
Cold Stone Creamery	60 CRESCENT Drive J	Pleasant Hill	Food Service
Coco Swirl	35 CRESCENT Drive E	Pleasant Hill	Food Service
Green Garden	1675 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Giant Chef Burger Inc.	10 GOLF CLUB Road	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
Donut's Delight	706 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Gotta Eatta Pita	35 CRESCENT Drive F	Pleasant Hill	Food Service
Escape From Fisherman's Wharf	1661 CONTRA COSTA Blvd	Pleasant Hill	Food Service
China Garden	2223 MORELLO Ave	Pleasant Hill	Food Service
Classic Catering	2653 PLEASANT HILL Road A	Pleasant Hill	Food Service
Flora's Gyros & Hot Dogs	240 GOLF CLUB Road	Pleasant Hill	Food Service
Five Guys Burgers	100 CRESCENT Drive	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
Hookstone Cafe	3478 BUSKIRK Ave 130	Pleasant Hill	Food Service
Damo Sushi	508 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Three Brothers From China	2001 CONTRA COSTA Blvd A50	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
Starbucks	707 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Thai Village Restaurant	670 GREGORY Lane F	Pleasant Hill	Food Service
Plaza Cafe	1912 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Pizza My Way	1300 CONTRA COSTA Blvd 20	Pleasant Hill	Food Service
Peet's Coffee & Tea #237	65 CRESCENT Drive A	Pleasant Hill	Food Service
Pieology	2380 MONUMENT Blvd B	Pleasant Hill	Food Service
Pleasant Hill Senior Center	233 GREGORY Lane	Pleasant Hill	Food Service
Pho Lee Hoa Phat I	508 CONTRA COSTA Blvd P	Pleasant Hill	Food Service
Slow Hand BBQ	1941 OAK PARK Blvd	Pleasant Hill	Food Service
Starbucks	2370 MONUMENT Blvd B	Pleasant Hill	Food Service
Rubio's	2390 MONUMENT Blvd D	Pleasant Hill	Food Service
Togo's	55 CRESCENT Drive A	Pleasant Hill	Food Service
Starbucks Coffee #5559	1900 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Pizza Hut	1749 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Sunshine Cafe	1908 OAK PARK Blvd	Pleasant Hill	Food Service

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

Name	Address	City	Program Category
Subway	1966 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Subway	2360 MONUMENT Blvd C	Pleasant Hill	Food Service
Subway	46 GOLF CLUB Road	Pleasant Hill	Food Service
McDonald's	65 CHILPANCINGO Parkway	Pleasant Hill	Food Service
Subway Sandwiches & Salads	1300 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Savanh Thai	1910 OAK PARK Blvd	Pleasant Hill	Food Service
Tahoe Joe's	999 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Round Table Pizza	1938 OAK PARK Blvd	Pleasant Hill	Food Service
Taco Bell #3003	1700 CONTRA COSTA 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
Quickly	60 GOLF CLUB Road A	Pleasant Hill	Food Service
Posh Bagel	1420 CONTRA COSTA Blvd A	Pleasant Hill	Food Service
Pollo Pollo Korean Restaurant	508 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Pleasant Hill Teen Center	147 GREGORY Lane	Pleasant Hill	Food Service
Pasta Pomodoro	45 CRESCENT PLAZA #C	Pleasant Hill	Food Service
Round Table Pizza	716 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Meson Azteca	2237 MORELLO Ave	Pleasant Hill	Food Service
Mountain Mikes Pizza	1962 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Yogurtland	2390 MONUMENT Blvd C	Pleasant Hill	Food Service
Sirens	2391 PLEASANT HILL Road	Pleasant Hill	Food Service
Molino's Raviolis	2150 PLEASANT HILL Road	Pleasant Hill	Food Service
MOA Korean BBQ	508 CONTRA COSTA Blvd Q	Pleasant Hill	Food Service
Yokoso Sushi	2380 MONUMENT Blvd D	Pleasant Hill	Food Service
Mr. Lucky's	2618 PLEASANT HILL Road	Pleasant Hill	Food Service
Yopop	1926 CONTRA COSTA Blvd	Pleasant Hill	Food Service
My Thai	1600 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Zio Fraedo's	611 GREGORY Lane	Pleasant Hill	Food Service
Zachary's Pizza	140 CRESCENT Drive	Pleasant Hill	Food Service
Melo's Pizza	1660 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Zen Restaurant	2642 PLEASANT HILL Road	Pleasant Hill	Food Service
McDonald's	1690 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Matsu Sushi	1914 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Mings	2653 PLEASANT HILL Road	Pleasant Hill	Food Service
Nine Games Zone	548 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Panda Express	2380 MONUMENT Blvd A	Pleasant Hill	Food Service
Tugboat Fish & Chips #20	150 LONGBROOK Way F	Pleasant Hill	Food Service
Outback Steakhouse	150 LONGBROOK Way	Pleasant Hill	Food Service
Original Pancake House	2059 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Sichuan Fortune House	41 WOODSWORTH Lane	Pleasant Hill	Food Service
Ohana Hawaiian BBQ	2370 MONUMENT Blvd 2A	Pleasant Hill	Food Service
Mountain Mike's Pizza & Yogurt	30 GOLF CLUB Road A&B	Pleasant Hill	Food Service
Wences Wine & Bar	1922 OAK PARK Blvd	Pleasant Hill	Food Service
Pho Hoa An	1617 CONTRA COSTA Blvd	Pleasant Hill	Food Service
New York Pizza	1649 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Wing Stop	2380 MONUMENT Blvd C1	Pleasant Hill	Food Service
Yalla Mediterranean	55 CRESCENT Drive F	Pleasant Hill	Food Service
Nation's Giant Hamburger	1900 CONTRA COSTA Blvd A	Pleasant Hill	Food Service
Nama Sushi	2375 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Sinful Bliss	35 CRESCENT Drive	Pleasant Hill	Food Service
Vitality Bowl	100 CRESCENT Drive 7	Pleasant Hill	Food Service
Shell Station & Car Wash	606 CONTRA COSTA Blvd	Pleasant Hill	Gas Station
Safeway Gas Station	701 CONTRA COSTA Blvd	Pleasant Hill	Gas Station
Sun Valley Chevron	698 CONTRA COSTA Blvd	Pleasant Hill	Gas Station
Pleasant Hill Chevron	1705 CONTRA COSTA Blvd	Pleasant Hill	Gas Station
Grayson Shell	2401 PLEASANT HILL Road	Pleasant Hill	Gas Station
Buskirk Chevron	3210 BUSKIRK Ave	Pleasant Hill	Gas Station
USA Gasoline	1616 OAK PARK Blvd	Pleasant Hill	Gas Station
ARCO #06059	2686 PLEASANT HILL Road	Pleasant Hill	Gas Station
Monument 76 (Valero)	2300 MONUMENT Blvd	Pleasant Hill	Gas Station

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

Name	Address	City	Program Category
Grayson Woods	400 IRON HILL Street	Pleasant Hill	Golf Course
Smart & Final	2100 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Safeway #2941	707 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Safeway	600 PATTERSON Blvd	Pleasant Hill	Grocery Store
Grocery Outlet	1671 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Safeway	1978 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Epic Care Pleasant Hill Care Center	400 TAYLOR Blvd 102	Pleasant Hill	Healthcare
Diablo Valley Oncology Hematology	400 TAYLOR Blvd 202	Pleasant Hill	Healthcare
Pleasant Hill Inn	1432 CONTRA COSTA Blvd	Pleasant Hill	Hotel
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
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
7-Eleven	17 GOLF CLUB Road	Pleasant Hill	Mini-Market
7-Eleven	2396 PLEASANT HILL Road	Pleasant Hill	Mini-Market
7-Eleven	2298 MORELLO Ave	Pleasant Hill	Mini-Market
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
Oak Park Properties	1918 OAK PARK Blvd	Pleasant Hill	Property Mngt
YMCA	350 CIVIC Drive	Pleasant Hill	Property Owner
PHSC	1855 CONTRA COSTA Blvd	Pleasant Hill	Property Owner
Navlet's Garden Center	2875 CONTRA COSTA Blvd	Pleasant Hill	Retail
Walgreens	721 GREGORY Lane	Pleasant Hill	Retail
Toy's R Us #5803	568 CONTRA COSTA Blvd	Pleasant Hill	Retail
Rite Aid	2140 CONTRA COSTA Blvd	Pleasant Hill	Retail
Target #330	560 CONTRA COSTA Blvd	Pleasant Hill	Retail
O'Reilly Auto Parts	505 CONTRA COSTA Blvd	Pleasant Hill	Retail
JFK University	100 ELLINWOOD Way	Pleasant Hill	School/College
Save On Smogs	1250 CONTRA COSTA Blvd 107	Pleasant Hill	Smog Test Center
Expert Auto Care	2686 PLEASANT HILL Road	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
Diablo Import Service	15 VIVIAN Drive #E	Pleasant Hill	Vehicle 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
Kunio's Automotive Repair	1855 CONTRA COSTA Blvd A	Pleasant Hill	Vehicle Service
Morello Chevron	2295 MORELLO Ave	Pleasant Hill	Vehicle Service
Pep Boys #968	520 CONTRA COSTA Blvd	Pleasant Hill	Vehicle Service
Automotive Maintenance Machine	199 MAYHEW Way #J	Walnut Creek	Vehicle Service
The Barn	199 MAYHEW Way #D	Pleasant Hill	Vehicle Service
Oak Park Auto Repair	1901 OAK PARK Blvd	Pleasant Hill	Vehicle Service
Big O Tires #10	1845 CONTRA COSTA Blvd	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
Joseph's Lawnmower & Lock Shop, Inc	1551 OAK PARK Blvd	Pleasant Hill	Vehicle Service

C.4.b.iii (2) Planned Inspections for Pleasant Hill (7/1/2015 to 6/30/2016)  
7/24/15

Name	Address	City	Facility Type
<b>Enforcement Reinspections</b>			
Pho Lee Hoa Phat I	508 CONTRA COSTA Blvd P	Pleasant Hill	Food Service
Hair Secrets & More	548 CONTRA COSTA Blvd F	Pleasant Hill	Commercial
Kobe Japan	1918 OAK PARK Blvd	Pleasant Hill	Food Service
Target #330	560 CONTRA COSTA Blvd	Pleasant Hill	Retail
Tahoe Joe's	999 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>			
Faiche Catering	131 LONGFELLOW Drive	Pleasant Hill	Catering-Bus.
Latern Catering	1941 OAK PARK Blvd 10	Pleasant Hill	Catering-Bus.
Blondies Pizza	1035 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Boba Hut	260 GOLF CLUB Road A	Pleasant Hill	Food Service
Jo's Honda Sushi	150 LONGBROOK Way C	Pleasant Hill	Food Service
Mountain Mike's Pizza & Yogurt	30 GOLF CLUB Road A&B	Pleasant Hill	Food Service
My Thai	1600 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Nine Games Zone	548 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Sirens	2391 PLEASANT HILL Road	Pleasant Hill	Food Service
Subway	46 GOLF CLUB Road	Pleasant Hill	Food Service
Togo's	55 CRESCENT Drive A	Pleasant Hill	Food Service
Vitality Bowl	100 CRESCENT Drive 7	Pleasant Hill	Food Service
Yalla Mediterranean	55 CRESCENT Drive F	Pleasant Hill	Food Service
Yogurtland	2390 MONUMENT Blvd C	Pleasant Hill	Food Service
Yopop	1926 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Pleasant Hill Inn	1432 CONTRA COSTA Blvd	Pleasant Hill	Hotel
7-Eleven	17 GOLF CLUB Road	Pleasant Hill	Mini-Market
7-Eleven	2298 MORELLO Ave	Pleasant Hill	Mini-Market
7-Eleven	2396 PLEASANT HILL Road	Pleasant Hill	Mini-Market
Peet's Coffee & Tea #237	65 CRESCENT Drive A	Pleasant Hill	Food Service
Pho Hoa An	1617 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Cresco Xpress	2098 MONUMENT	Pleasant Hill	Fleet Operations
Latte Da Espresso & More	1902 OAK PARK Blvd	Pleasant Hill	Food Service
Kunio's Automotive Repair	1855 CONTRA COSTA Blvd A	Pleasant Hill	Vehicle Service
PHSC	1855 CONTRA COSTA Blvd	Pleasant Hill	Property Owner
Save On Smogs	1250 CONTRA COSTA Blvd 107	Pleasant Hill	Smog Test Center
AVH Auto Repair	1250 CONTRA COSTA Blvd 104	Pleasant Hill	Vehicle Sales
Farrington's Bar	1938 CONTRA COSTA Blvd	Pleasant Hill	Bar Only
Pleasant Hill Collision	1581 OAK PARK Blvd	Pleasant Hill	Body Shop
Buskirk Chevron	3210 BUSKIRK Ave	Pleasant Hill	Gas Station
Grayson Shell	2401 PLEASANT HILL Road	Pleasant Hill	Gas Station
Thai Village Restaurant	670 GREGORY Lane F	Pleasant Hill	Food Service
Walgreens	721 GREGORY Lane	Pleasant Hill	Retail
Marriot Courtyard	2250 CONTRA COSTA	Pleasant Hill	Hotel
Kentucky Fried Chicken	635 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Panda Express	2380 MONUMENT Blvd A	Pleasant Hill	Food Service
China Garden	2223 MORELLO Ave	Pleasant Hill	Food Service
Jo's Sushi Bar	2217 MORELLO Ave	Pleasant Hill	Food Service
Green Garden	1675 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Automotive Maintenance Machine	199 MAYHEW Way #J	Walnut Creek	Vehicle Service
Grocery Outlet	1671 CONTRA COSTA Blvd	Pleasant Hill	Grocery Store
Taco Bell	500 CONTRA COSTA Blvd	Pleasant Hill	Food Service
All About The Fish	102 S 2nd Ave	Pleasant Hill	Commercial
Concord Feed	228 HOOKSTON Road	Pleasant Hill	Commercial

**Attachment C.4.b.iii (2)**  
**Planned Inspections**

<b>Name</b>	<b>Address</b>	<b>City</b>	<b>Facility Type</b>
Casper Hot Dogs	6 VIVIAN Drive	Pleasant Hill	Food Service
Escape From Fisherman's Wharf	1661 CONTRA COSTA Blvd	Pleasant Hill	Food Service
New York Pizza	1649 CONTRA COSTA Blvd	Pleasant Hill	Food Service
C J's Saloon	548 CONTRA COSTA Blvd	Pleasant Hill	Bar Only
Cine Arts	2314 MONUMENT Blvd	Pleasant Hill	Food Service
Taco Bell #3003	1700 CONTRA COSTA Blvd	Pleasant Hill	Food Service
Bangkok Restaurant	1910 OAK PARK Blvd	Pleasant Hill	Food Service
McDonald's	65 CHILPANCINGO Parkway	Pleasant Hill	Food Service
The Chateau at Poet's Corner	540 PATTERSON Blvd	Pleasant Hill	Assisted Living

**Subtotal: 53**

TOTAL INSPECTION GOAL (110%)=59

Target: 59

Annual Goal = 54



# WATERSHED ACTION PROGRAM INTERIM REPORT

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PREPARED FOR  
THE CITY OF PLEASANT HILL

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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 2014-15 school year, reaching fifty-nine students, their families, and two teachers. We are thrilled to report that the students and teachers are very engaged in learning about the watershed, aquatic life and pollutants that affect the environment and human health.

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## SUMMARY OF 2014-2015 CLASSROOM LESSONS

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### What is a Watershed?

Strandwood Elementary School is located just south of the Suisun Bay, and directly east of the San Pablo and Briones Reservoirs, all integral parts of our local watershed. The third grade students in both classes were eager to learn about their local watershed, and use hands-on activities to engage with their environment. During the first lesson, students learned about the Bay in which they live, why it is important to them, as well as it's connectedness to the rest of California. "A watershed means water from clouds shedding on rivers and going to bodies of water," stated Sophia after being taught the concept by KIDS for the BAY. "Yes, and it is when water flows from the rain, to river, to bay, to ocean!" added Ariane in excitement.

### 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.

KIDS for the BAY Instructor Aislinn Sterling demonstrated to students how to identify various locations on a satellite map of the Bay Area, and how, when seen from above, the bay is in the shape of a mermaid. Students were able to use this "mermaid's" anatomy to find their own city, various bodies of water, bridges, and many other landmarks. The third graders were especially excited to locate features on the map they were familiar with, including the City of Pleasant Hill, the Golden Gate Bridge, and the Sacramento and San Joaquin Rivers. "Look, we live here! Right below the mermaid's ponytail!" exclaimed Eli.

### Estuary Studies and Bay Models

By creating working models of the bay, the third graders observed how fresh water and salt water combine in the bay to create an estuary. Groups of students fashioned their models with clay and added bridges, islands, and cities in the correct locations. Everyone worked together to pour the fresh (clear) and salt (blue) water into their model and watch it swirl together. As they watched the water slowly combine in the bay, the entire class erupted with scientific observations. "When the fresh water and salt water combine it is called brackish water," Billie explained to his classmate. "And the salt water is denser

than the fresh water!” Adrian stated. “We just made a really cool estuary!” Tia said as a smile spread across her face.

Ms. Sterling then had the students close their eyes and imagine a scene in which they were sailing on the bay with their families and witness a freight ship leaking oil into the water. During this visualization, Ms. Sterling went around and put one drop of red food coloring into each group’s bay model. When students opened their eyes, they were astounded to see how the red dye, symbolic of the ship’s pollution, was spreading throughout their estuaries. “When you put pollution in the water it can spread all around the ocean!” exclaimed Raichel. “The pollution is getting everywhere and hurting all of the animals!” noted Maddie. All of the students were captivated by the idea of pollution spreading, and asked many follow-up questions about how they could reduce pollution to help the animals of the bay area. “Today I learned that our environment is one of our most important things, and that we need to take care of it,” Gavin concluded after the lesson.

### The Storm Drain System

During the second lesson the classes compared and contrasted the storm drain and sewer systems, learning the importance of both. Students began the lesson thinking that both systems were the same, and that storm drain water gets cleaned before entering the bay, similar to sewer water. Ms. Sterling taught them that storm drain water does not get cleaned, and therefore all of the trash and pollution that goes into it also does not get filtered out. “You mean that garbage that goes down the storm drain could get into the ocean?” asked Ashley. “Why don’t they have people clean the storm drains, or have big filters that keep the trash from getting to the bay?” Max wondered.

The students brainstormed different types of pollution that could enter the storm drains, and what effects these items could have on people and animals. Ideas included oil, plastic bags, pesticides, and soap from washing cars. The class then discussed strategies for keeping these types of pollution out of storm drains. “One way to prevent pollution is- when you see trash clean it up, don’t litter, reuse bottles, bags and egg cartons and make them into art” Marisa said to one of her classmates.

### 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. They felt very concerned for the marine life. “Oh, no! This sea turtle is eating a plastic bag! That is just going to sit in its stomach!” Jazzlynn exclaimed. “Yes, and this sea lion has something stuck around its neck and now it won’t be able to eat!” Arielle pointed out. Katrina was filled with passion when she told Ms. Aslinn, “Garbage is pollution to the water. When you litter your garbage goes to the ocean and hurts other animals. DON’T LITTER!”

### Campus and Neighborhood Clean-Up

Conducting a campus clean up was an especially powerful experience for the third graders at Strandwood Elementary School. Both classes used tongs to pick up trash and

documented their findings. Ms. Abbott and Ms. River's classes together removed 590 pieces of trash from their campus. "I never knew there was so much trash here!" exclaimed Brendan as he unearthed a large piece of plastic from beneath some bushes. Students were ecstatic knowing that each piece of trash they picked up could potentially help save an animal somewhere in the world. "Look at all this trash we're picking up! We're helping so many animals!" Jordan said enthusiastically. Students found a variety of objects, ranging from plastic bottles to tin cans and numerous paper products. "I never knew there was so much litter here! People really need to pick up after themselves!" Leilani said to her classmate.

The students had an opportunity to teach a family member about pollution prevention during a take-home interview they completed with an adult. Third grade student Katarina shared a pledge to prevent storm drain pollution, "I pledge to pick up one piece of trash every day to help our environment."

#### Bay Organism Investigations

The students were eager to start their animal investigations and were very engaged in Ms. Sterling's lesson on fish and crab anatomy. Students learned the various fin types of the striped bass, and studied the difference between gills and lungs. "Dungeness crabs have hairs called bristles that are used to feel the motion of waves. I also learned that a striped bass has a top dorsal fin that is used for defense because it is sharp," Irish explained to Ms. Sterling after learning this from the KIDS for the BAY worksheet. When learning about crab anatomy, students were captivated by the crab's abdomen and walking legs. "If you look underneath the crab you can tell if it is a boy or a girl based on what size and shape the abdomen is!" said Dana. "A crab has eight walking legs and two claws, for a total of ten legs" Max stated to his classmates. "Yes, and the crab can only walk sideways because of how its legs are!" added in Katie. All of the students took turns holding the crab and moving its legs as if it were walking, giggling at the thought of having to walk everywhere sideways.

#### Bay Food Chains

Students learned about aquatic food chains, and how pollution biomagnifies as it travels through organisms up a food chain. Students loved playing the Food Chain Game, which demonstrated this concept. They role played as anchovies, salmon and humans, excitedly chasing one another to fit as much plankton as they could into their "stomachs." After the educational game, Strandwood Elementary students excitedly shared what they learned. "I learned all about the food chain, how one animal gets eaten by another, and animals at the end of the food chain have more pollution," said Maya.

The students also dove into the topic of plankton, learning all about its importance as a global contributor of oxygen, and also a key component in many food chains. "I learned today that there are two types of plankton- zooplankton and phytoplankton!" Stella exclaimed to her class. Tommy, another student, added in, "Yes, and a jelly fish is a type of zooplankton!"

### Dangers of Harmful Pesticides

Students learned about toxic pollutants such as pesticides, and how they can spread to affect a multitude of environments. The third graders excitedly participated in an activity in which they created a model that included a hill made of gravel, a small house, various plants, and the ground water. Then “pesticide” represented by red food coloring was added to the model.

Ms. Sterling asked the students for predictions about the experiment, and the students were very eager to see what would happen when it “rained” over the model, simulated by water dripping through an overhead cup. One student, Lance, predicted, “When it rains, the chemicals will pollute the ground creek.” Ms. Sterling discussed that the water under the rocks is called groundwater, and how the pesticides would not only pollute the creek, but the groundwater as well. After the experiment, Mike made the connection that “The pollution can also hurt animals that eat or drink from the creek.” The experiment led to a high-level discussion about toxins in our watershed, and how they can both directly and indirectly impact humans and wildlife.

### Water Conservation

Ms. Sterling began this lesson by asking the students what they commonly use water for. After a myriad of responses, Ms. Sterling pointed out that all of these things require fresh water, and that fresh water is in limited supply. Students learned that only 3% of the water on Earth is fresh, and of that small percentage only a fraction of it is accessible. Ms. Sterling then demonstrated this idea with a gallon jug of water, a cup, and a spoon. She told the class that the gallon represented all of the water on Earth. She poured roughly 3% of it into the cup, representing all of the freshwater on the planet. Ms. Sterling then used a dropper to transfer just a few drops from the cup on to the spoon, showing the students the 0.33% of the Earth’s water that is accessible fresh water. Students were blown away by the small amount that Ms. Sterling was holding on the spoon. “I want to take shorter showers so that I can share water with all the animals. I’ll use only what I need!” Giancarlo stated to his class. The students were excited to take home and fill out water conservation logs, observe how much water they use in a day, and then make pledges to reduce their usage.

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### **ACTION PROJECT**

For their Action Project, Strandwood Elementary School third graders have decided to focus on educating their school about waste reduction. Students will make posters to place on campus trash cans, illustrating the proper disposal bins for various items. The classes will also create a video demonstrating to the rest of the school how to use the new garbage sorting system.

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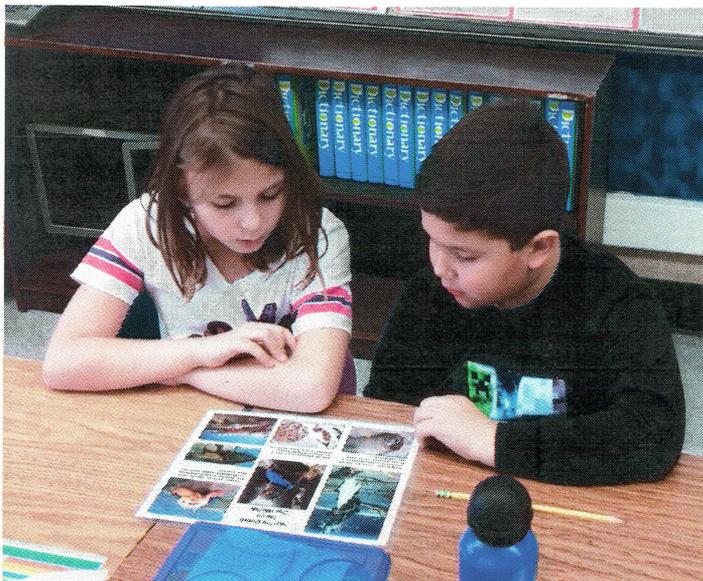
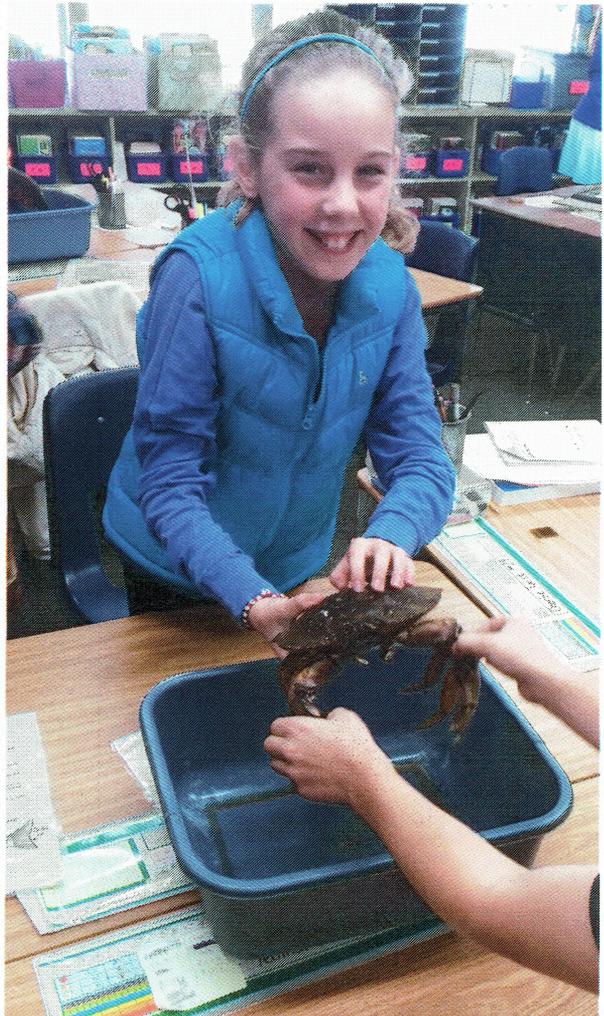
### **FIELD TRIP**

Both classes will also have the opportunity to study Bay Area animals and habitats during their Field Trip to the Martinez Shoreline. Students will examine and identify plankton under a microscope, and use binoculars to investigate birds. Strandwood Elementary

School students will also conduct a Clean-Up of the shoreline, taking action to reduce the pollution in their watershed. More information about the Action Project and the Field Trip to the Martinez Shoreline will be included in the final report.



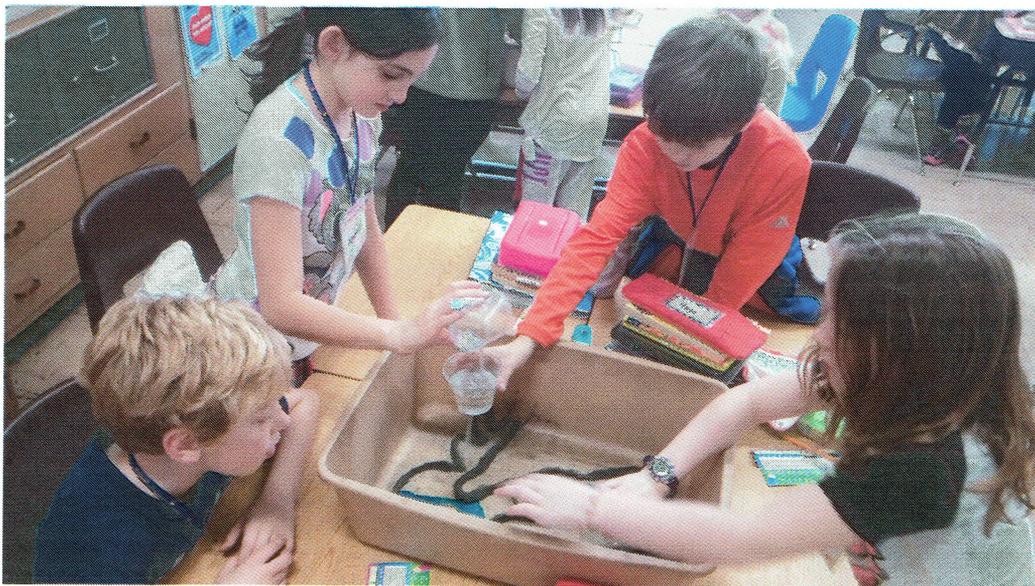
**KIDS for the BAY  
Watershed Action Program  
City of Pleasant Hill  
Classroom Lesson Highlights  
2014-2015 School Year**



## Lesson One: Watershed Investigation

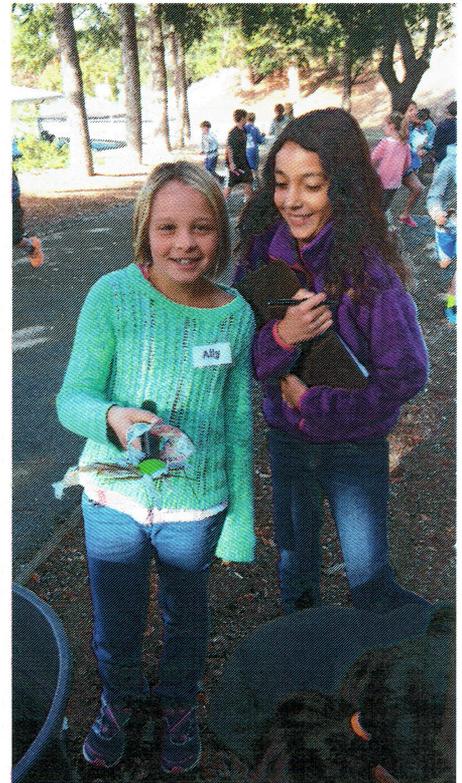


Students identified bodies of water, bridges, and cities on a satellite map.



Students built a bay model of the San Francisco Bay estuary, they added water to their model and were able to see how fast pollution moves through the bay.

## Lesson Two: Taking Action for a Healthy Watershed



Strandwood Elementary School students removed 590 pieces of trash during their school campus and neighborhood clean-up.



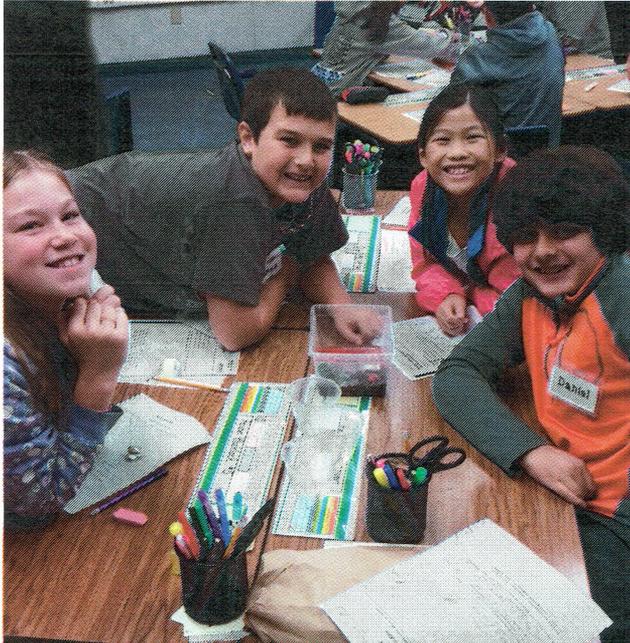
## Lesson Three: Bay Organism Investigations



Students studied bay organisms such as seaweed, striped bass, and Dungeness crab.



## Lesson Four: Pesticides and Water Conservation



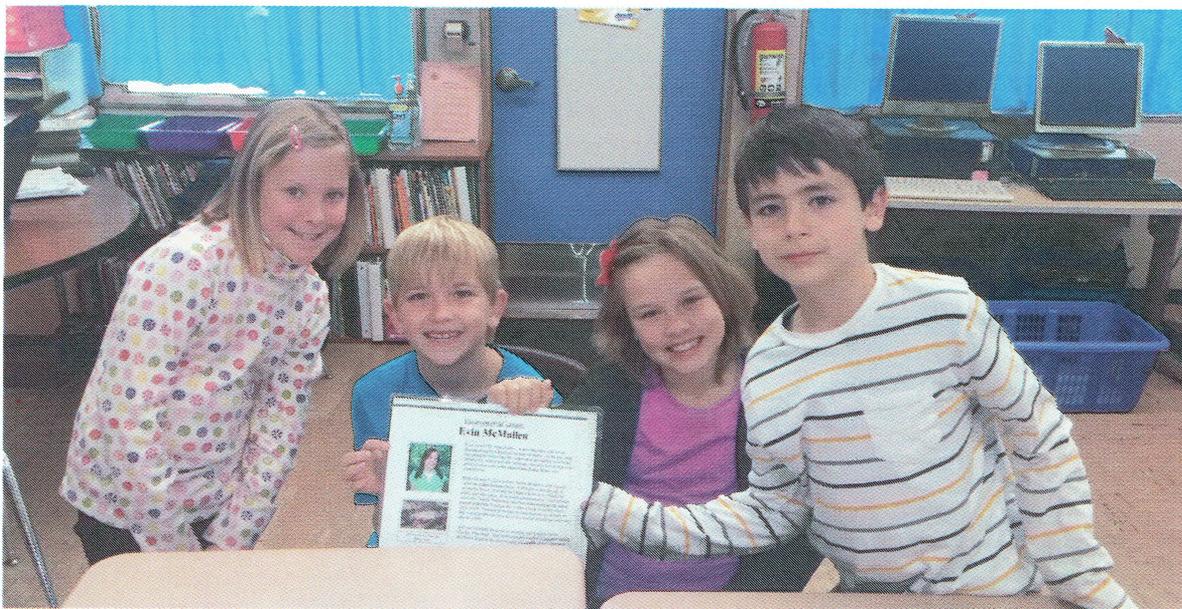
Students used a model to learn the about the dispersal of pesticides and learned about ways to conserve water.



## Lesson Five: Taking Action for a Healthy Watershed



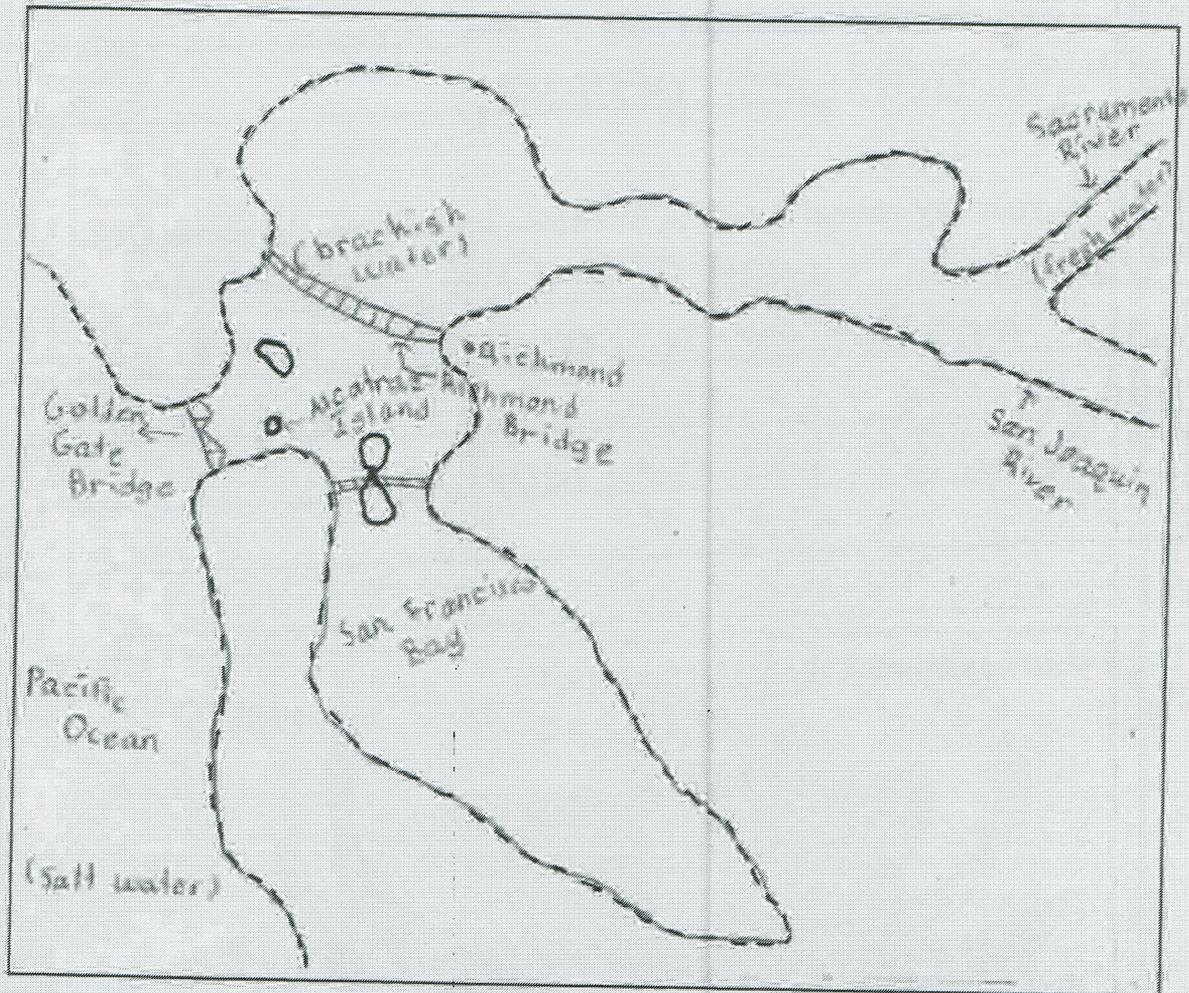
Students learned about the characteristics of healthy and unhealthy environments and discussed actions they can take to improve the health of their local watershed.



# KIDS for the BAY

1. Draw your Bay model by connecting the dotted lines on the map.
2. Write "salt water," "brackish water" and "fresh water" on your map to indicate where each type of water is found.
3. Label the following on your map:

\*Pacific Ocean    \*San Francisco Bay    \*Sacramento River    \*San Joaquin River  
\*The city where you go to school    \*1 Bridge    \*1 Island



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

The San Francisco Bay is an estuary because it is a partially enclosed body of water that combines both salt water and fresh water.

NAME: Jadae

# KIDS for the BAY

## BAY ANIMAL INVESTIGATION

1. What is the name of your bay animal?

Dungeness Crab

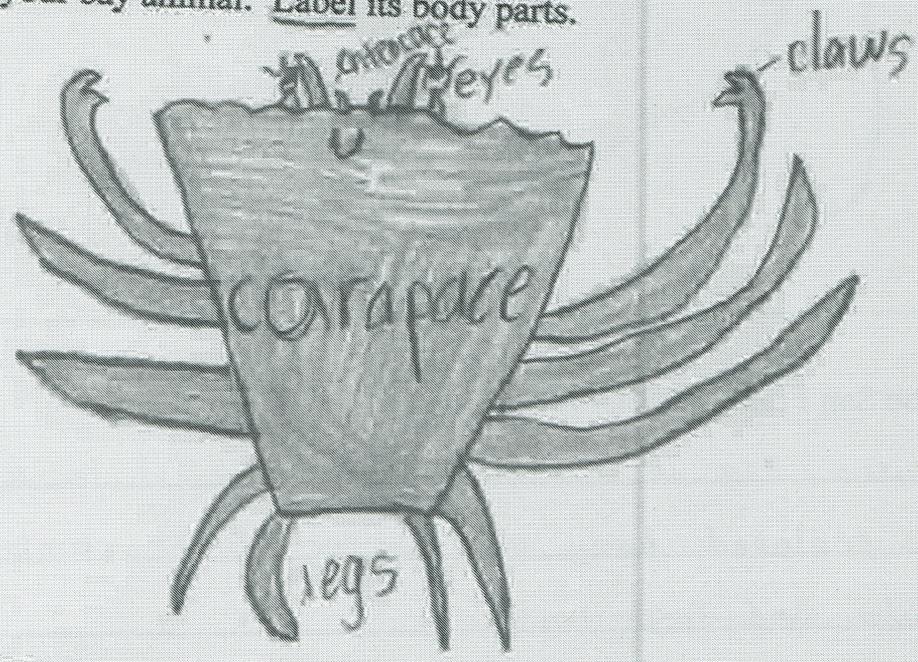
2. Write a food chain including your animal (for example: plankton → clam → gull).

Seaweed → crab → person

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

Dungeness Crabs are red. It's about 1 foot long. It feels rough and hard. It kinda smells like seaweed. It's tail is on it's belly. It has big claws.

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



Name of student: Chloe

Name of family member: Tim

# 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 underground pipe that carry water from the street, sidewalks, parking lot, rooftops from flooding in to the ocean.

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

The water from the storm drain goes to the lakes, bays, ponds or ocean. The storm drain water does not get cleaned.

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

The storm drain system takes all the water from outside the street, sidewalks or parking lot and sent directly to the ocean without being cleaned. The sewer system takes all water from inside your home and business and send to a water treatment place where the water cleaned before being sent to the ocean.

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

- storm water pollution - spill oil or paint directly in to the storm drain.
- pet waste
- pesticides

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

- recycle oil. Be careful to not to spill paint on the grounds.
- clean up after pets. Put their wastes in trash cans.
- instead of using pesticides, weed by hands.

6. Why is this important?

It is important because our animals in our bays are going to drink all the <sup>poll</sup> and they will die.

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

Do not dispose of anything down the storm drain.

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

Tim

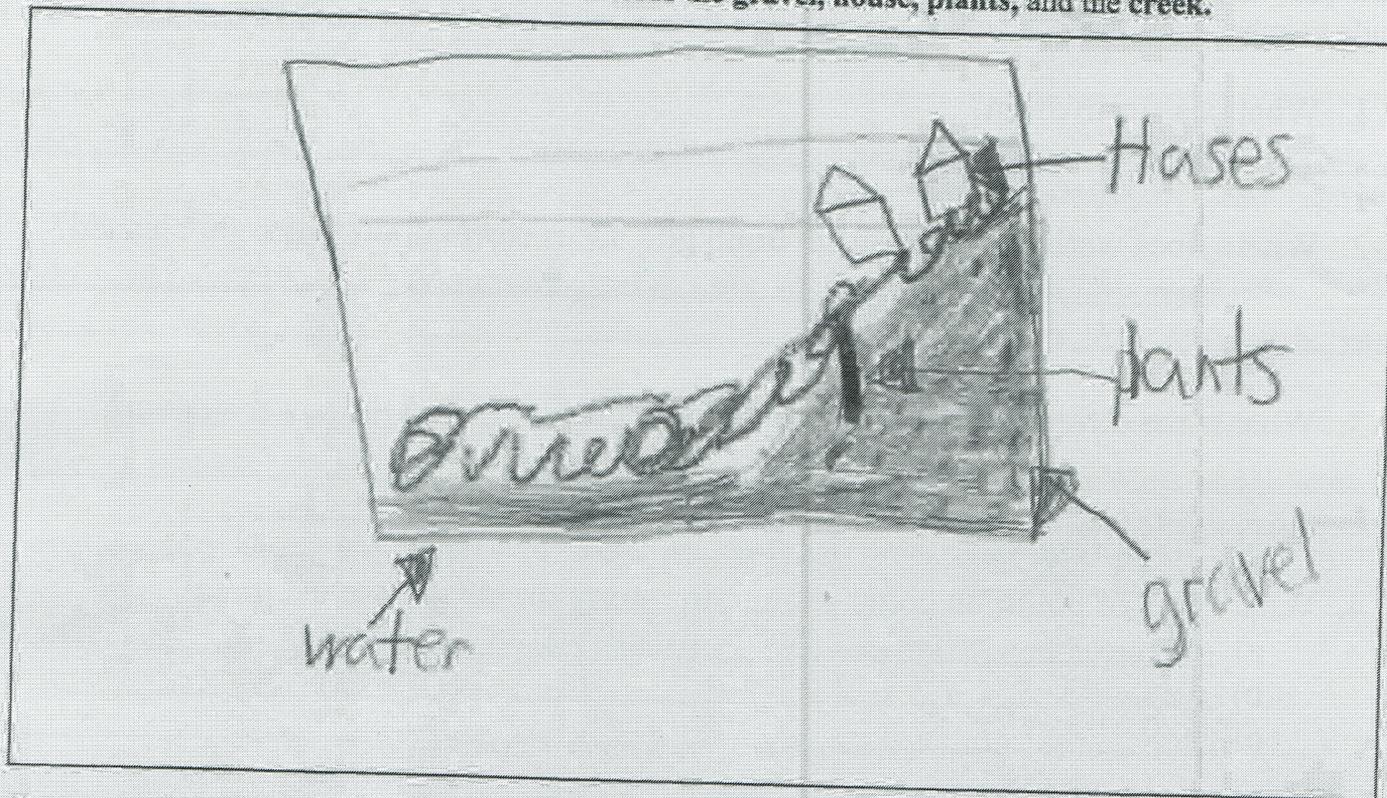
Thank your family member for talking with you.

Name: MUNA ROOMAD

## 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.

I predict the pesticides will go in the creek.

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

- 4) Write what you observed when it "rained" in your Pesticide Model.  
Vocabulary to include: pesticide, herbicide, leach, toxic, pollution

The pesticide or herbicide toxic leached in the water and turned in to pollution.

Name of student: Chloe

Name of family member: Tim

## KIDS for the BAY

### Storm Drain Pollution Interview

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Parent/Guardian Signature: Tim

Thank your family member for talking with you.

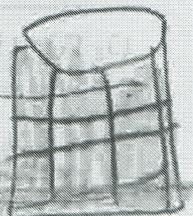
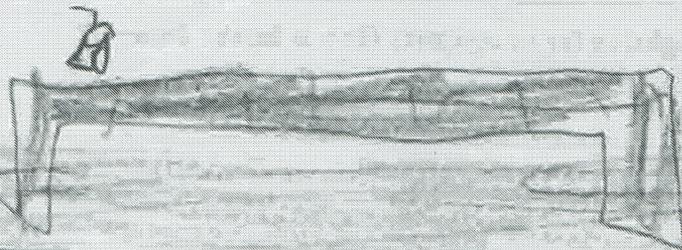
12-2-14 Matt #12

Today I learned that even though the earth is mostly water only so much is fresh water and even fewer amount is accessible, so we really need to save water. Also, I learned that the higher up you go on the food chain you go, the more pollution the organism intakes. This is called biomagnification. I learned that Cesar Chavez was a big part in farming history and he fought for farmers rights. I learned that pesticides and herbicides can pollute when they get washed away. I enjoyed the pesticide model we did today. From, Matt

## Kids for the bay taught me...

... That trash is dangerous because it can hurt animals and they can die. So pick up your trash and not leave it on the grounds.

Name: Anita Hillmer Date: April 8, 2015



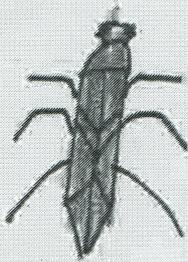
Bay Laurel leaf



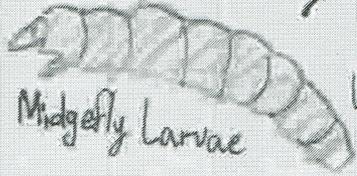
Gill Snail



Water plank



Water boatman



Midgefly Larvae

Renae

Meridith Lacey 2/23/15

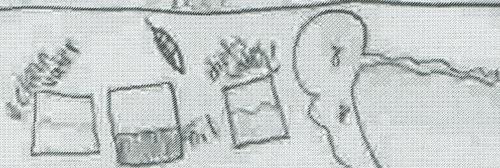
Today I learned the difference between a storm drain system and a sewer system. When water goes into a storm drain, it does not get cleaned, but when it goes into a sewer system, it gets cleaned.

Deirdre

rmb

2/24/15 @

Today I learned that oil can affect fish and other animals. Like if oil get on birds feathers they can not take off with their feet.



Keep the Bay Clean!

