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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

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

Dear Mr. Wolfe and Ms. Creedon:

Enclosed is the 2014-15 Annual Report for the City of Clayton, 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.

Sincerely,

Gary A. Napper
City Manager

Enclosure

ATTACHMENT B

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Section 1 – Permittee Information

Background Information				
Permittee Name:	City of Clayton			
Population:	11,288			
NPDES Permit No.:	CAS612008 (San Francisco Bay RWQCB Permit)			
Order Number:	R2-2009-0074 (San Francisco Bay RWQCB Permit)			
Reporting Time Period (month/year):	July 1, 2014 through June 30, 2015			
Name of the Responsible Authority:	Gary Napper	Title:	City Manager	
Mailing Address:	6000 Heritage Trail			
City:	Clayton	Zip Code:	94517	County: Contra Costa
Telephone Number:	925-673-7300	Fax Number:	925-672-4917	
E-mail Address:	gnapper@ci.clayton.ca.us			
Name of the Designated Stormwater Management Program Contact (if different from above):	Laura Hoffmeister	Title:	Assistant to the City Manager	
Department:	Administration			
Mailing Address:	6000 Heritage Trail			
City:	Clayton	Zip Code:	94517	County: Contra Costa
Telephone Number:	925-673-7308	Fax Number:	925-672-4917	
E-mail Address:	LHoffmeister@ci.clayton.ca.us			

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary: The City of Clayton monitored and received updates from the Contra Costa Clean Water Program's (CCCWP's) Municipal Operations Committee/Work Group, and the BASMAA Municipal Operations Committee. Refer to the C.2 Municipal Operations section of the CCCWP's FY 14-15 Annual Report for a description of activities implemented at the countywide and/or regional level and on our behalf.

The City does not have a full service maintenance department. The City has only 5 full time maintenance staff which are responsible for 2 million square feet of landscaping and irrigation; 500 acres of open space; 50 acres of parks and irrigation; 2 children playgrounds/equipment; 3 ball fields; 2 soccer fields; 25 miles of trails; 84 miles of street markings; 50 miles of underground drainage; 20 miles of major roadway sidewalks; 10 miles of creeks; 650 catch basins (inlets); 15 miles of "v" ditches; 2000 street signs; 500 street lights; 110,000 sq. ft. of public buildings; and 75,000 square feet of public parking lots. Services for street pavement and/or sidewalk repair, sewer and signal lights are contracted out. Water supply and fire protection services are provided by other public agencies. The City uses a maintenance staff supervisor as the field contact person (Mark Janney 925-763-7327) and the Assistant to the City Manager (Laura Hoffmeister, 925-673-7308) as the primary program manager for the entire permit, including Municipal Maintenance.

Street Cleaning/Sweeping

Monthly sweeping was done during FY 14-15 on all city streets, which is about 82 curblane miles. (annually this equates to 1764 curb lane miles swept) A total of 98.13 tons (or 363 cubic yards) of material were collected by the City sweeping contractor.

In addition three city street areas, about 15 curblane miles, which are part of a truck route to a nearby gravel quarry in the County are swept at a minimum of a weekly basis by the Quarry (CeMex formerly Lodestar RMC Quarry), and often during the summer busy season are swept two to three times a week to prevent quarry dust and sediment from reaching storm drains. This would average about 1950 curb lane miles per year. There are no quantitative statistics of the Quarry sweeper as part of the route is in the County (unincorporated) and it is under contract by a private business (rock quarry) that is located outside the City's jurisdiction. The quantitative data is for the City monthly sweeper and is extrapolated for the Quarry based on the average amount of material picked up per mile by the City sweeper of in FY 14-15 of .20 cubic yards per mile. This would equate to about 105 tons or 390 cubic yard collected of additional materials collected.

The company uses a broom assist vacuum sweeper which has been effective for our mostly residential community with its leaf fall from its street trees and dust and sediments from the gutter. The quarry uses a broom/brush sweeper as the material targeted by them is gravel and larger sediment particles along the quarry truck accesses.

Drainage Inlet Cleaning Every City storm drain (catch basin) and culverts were inspected and cleaned (approximately 650) and approximately 6.5 cubic yards of sediment was removed. The remainder was leaves and a bit of litter/trash consisting of a few plastic bottles, some paper, and cans. This was similar to the amount of material collected last year (5 cubic yards). However less sediment and other material has been found over the last four to five years due to a decreased amount of rainfall from the ongoing severe drought conditions. In addition the City maintenance cleaned and removes debris from 25 full trash capture devices which are reported in Section 10; in FY 14-15 a total of 41.92 cubic feet of material was removed (about 60 cubic feet less than last FY (12-13) which collected 109 cubic feet. In FY 15-16 (July 2015) 44.40 cu. ft. was removed. It is likely the ongoing drought contributed this decrease.)

Creek cleaning of the 10 miles of creeks were walked and inspected and cleaned by the City Maintenance staff consisted of about 90 cubic yards of landscape materials, mostly woody brush, branches, and some tree limbs. This was 30 cubic yards more than in FY 13-14 as the box culverts areas were done. The box culvert areas are done about once every four to five years. A slide debris bench area had 55 cubic yards of dirt and silt removed; this is a preventative measure that is done apx. every 5 years. The majority of material was from dead brush and branches due to the severe ongoing drought, some plastic bottles, paper, a few cans. In addition the City has one Hot Spot location that is cleaned annually and is not included in the above volume but is reported in Section C-10. In FY 14-15 this Hot Spot had .15 cubic yards of material mostly some old clothing, a small step stool, and golf bag. Other items consisted of misc. paper and cardboard box. Due to the ongoing drought this area in FY 14-15 became a more attractive place for a few transients as the nearby box culvert and the dry creek in Concord provides shelter for the few transients that are now in the area. Regular police checking minimizes transient activity, along with the city no camping ordinance which allows the police to cite/arrest; along with monthly checking and clean up by the Shopping Center property owner (the adjacent Safeway as the creek is not on public property but is private property) – typically this area has water in the creek and is not an attractive location for transients, however with the ongoing drought the creek and nearby box culvert has been dry a few transients have been more prevalent. This is expected to be a temporary situation as when the rains return and drought ends there is likely to be water in the creek which discourages their activity.

V-ditch cleaning:

The City maintenance staff walked and inspected and cleaned 15 miles of v-ditches in the open space areas including those near to residential development areas. A total of 14 cubic yards of dirt and weeds were removed from the V-ditches. This amount is only 2 cubic yards more than last year and is mostly attributed to additional dead brush being removed due to the severe drought conditions. Only a very small amount of litter consisting of a few pieces of paper, a few plastic bottles and a couple of cans, etc. was collected.

New Zealand Mud Snail Policy:

In September 19, 2012 there was a new administrative written Standard Operation Procedures (SOP) for addressing maintenance issues related to the potential threat of New Zealand Mud Snail. The information was transmitted to the Maintenance Supervisor who then provided the information to the maintenance staff. The information was initially reviewed on September 27, 2012 with the staff and acknowledged in writing of receiving the policy, and is reviewed annually thereafter. The City maintenance staff does not allow its volunteers that it directly oversees (i.e.: work alternative program) go into the creek. Seasonal hired staff as they arrive are provided the information before being allowed to work in the creek areas. In June 2014 an update was received from the Clean Water Program indicating the observance of the New Zealand Mud Snail in a portion of Mt Diablo Creek in Clayton (near the Branch Library). City Maintenance staff and the City Council were provided this information. No work was conducted in the creek in the area identified to be impacted by the New Zealand Mud Snail since September 2013. Annually prior to each rainy season (Sept- October), Maintenance reviews protocols and Standard Operating Procedures (SOP). In addition any outside contractor that the City hires that might be working in and around the segment of affected creek is provided the information regarding the New Zealand Mud Snail and the SOP. The Maintenance staff received the review for FY 14-15 on September 15, 2014, and the City contractor received and the information on September 17, 2015.

(See Attachment C 2)

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

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

Y	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
Y	Control of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater from discharging to storm drains from work sites.
Y	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

Comments: **In addition to BMP controls for specific road and maintenance projects above all public streets are swept once a month via a contract with a street sweeping company. A private sweeping company also sweeps at least one time a week, certain city roads related to rock quarry truck route, the quarry (CeMex Quarry – formerly Lodestar Quarry). This rock quarry is not located within the City Limits it is located in the unincorporated area; however portions of their truck route are within the City of Clayton. The City maintenance staff does not conduct road pavement repair projects. These projects are contracted out and the contractor specification documents include reference to needing to have and comply with appropriate BMP's including those listed above. Due to funding limitations the City of Clayton is only able to contract out street repair or resurfacing projects every two to three years. The City Engineer is responsible for inspection of the contractors work to ensure appropriate BMPs are being implemented.**

See Attachment C2a

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

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

Y	Control of wash water from pavement washing, mobile cleaning, pressure wash operations at parking lots, garages, trash areas, gas station fueling areas, and sidewalk and plaza cleaning activities from polluting stormwater
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments: **The City only has a few small public surface parking lots, we do not pressure wash these. The City does not have any gas station fueling areas. We have two public plaza areas that are periodically pressure washed and all wash water is plain water only and is directed to landscape areas per the BASMAA Mobile Surface Cleaner Program BMPs.**

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.

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

Comments: **All graffiti removal is done with direct applied solvent with rags and wiped with cloths. Graffiti is very minimal and rarely occurs and not a problem in the City of Clayton. In some rare occurrence the City will paint over the graffiti. The City does not use mobile surface cleaning for outdoor areas. The City does not have any bridges, except for small pedestrian foot bridges along the public trail which crosses Mt Diablo Creek in a few places. The City maintenance staff does not undertake any bridge or structural maintenance activities; if a need arises it would be contracted out. We did not contract out for any bridge or structural maintenance activities during the reporting period.**

C.2.d. ► Stormwater Pump Stations						
Does your municipality own stormwater pump stations:						
	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	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 ¹ (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		
Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions:						
Summary:						
Attachments:						
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)

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

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

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

C.2.f. ► Corporation Yard BMP Implementation			
Place an X in the boxes below that apply to your corporations yard(s):			
<input type="checkbox"/>	We do not have a corporation yard		
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit		
<input checked="" type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)		
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment		
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system		
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method		
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used		
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants		
<p>Comments: The Corp yard SWPPP was updated in August 2013, and was included as an attachment with the FY 13-14 Annual Report. No changes have been made since, and therefore is not included with this Annual Report. The City had previously conducted its inspections Annual prior to the rainy season of October 15th. However based upon comments received January 8, 2013, from the Water Boards review of the FY 11-12 Annual Report it is was requested that we conduct prior to September 30th. Because the notice from the SF Water Board staff was received in January 2013, it was too late to adjust for FY 12-13. The timing has been done annually and reported in each Annual Report Cycle. In FY 13-14 the inspection timing was changed to comply with the Water Board comments. For FY 14-15 the inspection was done in mid-September. We have included the last four prior FY inspections on our reporting table for ease of looking at the history and determining any trends that would need attention. We have not identified any trends or issues.</p>			
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
Clayton Maintenance Yard	Sept. 18, 2014 (FY 14-15)	Need to cover stockpiles with tarps, checked and inspected catch basin (no issues found) conduct minor housekeeping of materials storage and dry sweep yard needed.	Stockpiles covered with new tarps., misc. materials stacked and covered with tarps, yard dry swept-completed 9/26/14

Clayton Maintenance Yard	Sept. 20, 2013 (FY 13-14)	Need new tarps to cover stockpiles of gravel and bark. Some misc. debris and old street poles, paint cans to be removed and hauled off.	Tarps purchased and on-site, misc. debris removed and hauled off – completed 9/27/13.
Clayton Maintenance Yard	October 5, 2012 (FY 12-13)	All BMPs working fine. Tarps are starting to degrade, need to order additional replacement tarps to cover equipment and bins.	Ordered replacement tarps - completed 10/27/12
Clayton Maintenance Yard	October 7, 2011 (FY 11-12)	All BMP's working fine. Covers, straw waddles and sandbags for stockpiles are beginning to degrade need replacing. Unused and obsolete equipment and stockpile to be removed.	Removed 120 cy of unused dirt stockpile; covered remaining stockpiles with new covers and straw waddles & new sandbags. Removed misc and obsolete equipment - completed 10/28/11
Clayton Maintenance Yard	February 23, 2011 (FY 10-11)	All BMPs working fine – minor house keeping items being attended to – recovering of stockpile materials, removal of unused vehicle. Vehicle is not leaking fluids and area around vehicle is checked regularly so no issues.	Unused vehicle will be taken to auction house . Continue to inspect vehicle to ensure no leaks until removed- removal expected by 10/30/11. Stockpile covers were replaced on 3/4/11; Unused vehicles were removed

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:

There are no green streets projects built or planned within our jurisdiction. The City is built out city with newer infrastructure there does not appear to be any foreseeable future opportunity for retrofitting existing improvements. 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.

There were no regulated projects approved in the FY 14/15 reporting period. The City of Clayton did deem one project (Silver Oak Estates) complete for permit entitlement processing in May 2013. This will be our first regulated project. This project is in the process of undergoing the CEQA compliance Environmental Review and will require public hearings for tentative map, design review. The expected start of the public hearing process for the CEQA would be after January 2016 by the City Planning Commission, followed at a later time by the City Council. Thereafter Design Review process will be undertaken and subdivision mapping. At this time it is unknown if the Design and subdivision map entitlement applications will be done concurrently or subsequent to the CEQA process. This is an in fill residential project of apx. 14 acres consisting of 53 attached single family (townhomes) and 7 detached single family homes, near Mt. Diablo Creek. The total density is 4 units per acre. The project draft Stormwater Control Plan complies with City Ordinance 444 and C3 Guidebook 6th Ed.

A tentative map for a second project (Oak Creek Canyon) was originally approved approximately ten years ago. The developer is planning on filing the six lot final map (5 residential lots and one open space lot), However, no construction activities have been approved or authorized. The developer is beginning the process for his necessary construction entitlements which require conformance with the latest stormwater regulations.

See Table C.3.b.v.(1)

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

(For FY 11-12 Annual Report and each Annual Report thereafter) Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
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Comments (optional):
The City of Clayton stormwater ordinance was updated on April 2, 2013 by Ordinance 444 (previous Ordinance 379 was repealed in its entirety and replaced by the new Ordinance 444). The update was to address some clean up items since adoption of the MRP, and is consistent with the sample updated Ordinance that the program developed. As with the prior Ordinance the current Ordinance 444 requires every application for a development project to be accompanied by a stormwater control plan that meets the criteria in the most recent version of the CCCWP Stormwater C.3 Guidebook as well as the current NPDES permit and any subsequent amendments, reissuance or successor thereafter. The Guidebook is ongoingly updated to incorporate the requirements of Provision C.3.e. See the New Development and Redevelopment section of the CCCWP's FY 2013-2014 Annual Report for details.

See Attachment C6 e2 for Ordinance 444

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

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.

There City does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement. These projects are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and assists in trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.

See attached table C.3.h.iv

The City has 5 private and two public non-regulated projects that have LID with O&M Programs that include self –inspection by owners and/or operators — However the City has always done its own annual inspection and continues to do so even for all these non-regulated projects. The inspection reports include identification of any repairs or maintenance required and appropriate notification to responsible party, as well as follow up inspection to ensure compliance. They are monitored and tracked by the City but are included in this report as information only since they are not regulated projects as they pre-date the specific reporting requirement. Even though these are non-regulated and thus not reportable projects the City is including this information only to more fully document our efforts to address stormwater runoff and full trash capture. The City has two private residential subdivision projects that will be regulated and reportable, however these projects are still working through the entitlement processes.

Non reportable (non-regulated) private projects:

The City has five private projects approved prior to December 1, 2011 as “early projects” they include LID The early projects are:

- CVS Pharmacy (formally Longs Drugs) 16,000 sq. ft.
- Flora Square Retail/Office 7,000 sq. ft.
- Mitchell Creek Place residential 9-lot small lot infill .
- Pine Hollow Estates single family residential subdivision 8-lot.
- Diablo Pointe/Diablo Estates subdivision 24 lot single family residential; however this project was recently completed and accepted by the City in February 2014. The project included the construction of approximately 48 bio- filtration planters which are maintained by each homeowner, and one vortex vault unit that are part of the Benefit Assessment District which the city hires inspector to review all annually and perform maintenance on the vortex units as needed based upon the annual inspections. In some cases repairs and maintenance to the vortex units are completed by City personnel prior to the preparation of an annual Certificate of Compliance being issued for the treatment measures. This project has a Benefit Assessment District that the City uses the funds to monitor compliance with the O&M and maintenance on the Vortex units

- Creekside Terrace is an early private project consisting of a 7,000 sq. ft. mixed use retail/residential project that was approved in October 2011. It is not yet under construction. It's design includes LID measures. The project still has valid entitlement actions.

The City has two future reportable (regulated) private projects:

- Silver Oak Estates was deemed complete in May 2013 however has not yet completed the Environmental Review process.
- Oak Creek Canyon a 5 lot single family detached large lot subdivision was originally approved in 2003, however the tentative map is still valid pursuant to State legislation which extended the time of certain locally approved subdivision maps. The project however has not recorded a final map nor obtained approvals for the layout and design of the homes. This project will need to comply with the current C3 LID and submit appropriate O&M plans/documents as part of its remaining discretionary approvals. Staff has met with the developer and outlined the issues and reference to the C3 6th Ed. The developer may not be able to provide on lot bio planters due to soil and slope conditions, and therefore may pursue modifying the previously planned siltation and detention basin to comply with C3 for all project runoff. The developer will be recording his final map prior to December 2015, and updating the Environmental documents and processing the remaining discretionary actions in 2016.

Non-reportable (non-regulated) public project:

- Clayton Community Park Parking Lot Expansion, received approval in March 2011, and began construction in June 2011, and completed construction in December 28, 2011. This project included LID and has an O&M Program.
- Oakhurst Fountain Landscaping Improvements, was constructed and completed in late 2012 however its size of area was below the C3 thresholds however included LID with porous pavers, and bio-filtration planters, it has an O&M program.

There have not been any significant problems identified to date as part of the O&M Program and inspections. Minor issues identified to date have been some overgrown landscape vegetation, some sediment filling of LID's and some plant die off. In all cases either the private maintenance corrected the issue as part of regular maintenance or if identified by City annual inspection, correction letter/notice of violations sent to responsible party with deadline to correct. City then conducted a follow up inspection and found the corrections were completed and no further action or follow up was needed. (See Attachment C3 h)

The City confirmed through its annual inspection process that all sites had been properly maintained and were working as designed. No violations were issued.

See Table C.3.h.iv.

(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:

Note that projects approved prior to December 1, 2011 were not required to fully implement the LID requirement in Provision C.3.c.i. The City of Clayton did not have nor approve any regulated project during the FY 14-15 reporting period.

There are no Regulated Projects within the City of Clayton and there are not any stormwater treatments or HM controls have that have been built yet for Regulated Projects within the City of Clayton. For any future regulated projects the City will conduct annual O&M Program verification compliance inspection. The City conducts its own verification inspections or directly contracts for such independent verification inspections and inspects all LID projects (including those projects approved prior to December 1, 2011) on an annual basis.

There have not been any significant problems identified to date as part of the O&M Program and inspections. Minor issues identified to date have been some overgrown landscape vegetation, some sediment filling of LID's and some plant die off. In all cases either the private maintenance corrected the issue as part of regular maintenance or if identified by City annual inspection, correction letter/notice of violations sent to responsible party with deadline to correct. City then conducted a follow up inspection and found the corrections were completed and no further action or follow up was needed. (See Table C3 h.iv)

The City confirmed through its annual inspection process that all sites had been properly maintained and were working as designed. No violations were issued.

(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:

To date the O&M Program seems to be working well. No major issues have been identified to date. No changes to our inspection program are planned. Because we have so few LID projects, all are currently being inspected annually by private contractors hired by the City, and the City is performing verification inspections. In addition the Homeowners Assn., or site management contractors, or individual property owners are responsible for ongoing inspections and maintenance throughout the year. The City receives their report as well as conducts its own annual verification inspection. During the City annual inspection if deficiencies are identified the responsible party is contacted by mail and a correction notice with deadline to complete issued. The City conducts follow up inspection to verify corrections and compliance. To date projects that have had deficiencies have responded to the letter and corrected the deficiencies at the time of the City follow up inspection. The City Engineer office has one Inspector attend the "Low Impact Development Planning, Design, and Construction" workshop provided by the CC Clean Water Program on June 12, 2014. Neither the City Engineer nor Stormwater Program Manager attended, as both had attended multiple previous workshops in prior years on the topic and both have attended training on QSD/QSP training, with the City Engineer having been certified as QSP/QSD, and has been renewed through 2017. [Note: In FY 14-15, the contract engineer office eliminated the only field inspector due to budget cuts from low activity. The City Engineer has been performing both plan review and field inspections during this time].

See Attachment C3 h (i.v.)3

(4) During the reporting year, did your agency:						
• Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?		Yes		No	X	Not applicable. No new facilities were installed.
• Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls? ³	X	Yes		No		Not applicable. No treatment measures
• Inspect at least 20 percent of the total number of installed vault-based systems?	X	Yes		No		Not applicable. No vault systems.
If you answered "No" to any of the questions above, please explain:						

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, 6th 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 Clayton's stormwater ordinance (Ordinance 444) adopted April 2013, 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.

³If 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 ¹⁰ , Street Address	Name of Developer	Project Phase No. ¹¹	Project Type & Description ¹²	Project Watershed ¹³	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ff ²) ¹⁴	Total Replaced Impervious Surface Area (ff ²) ¹⁵	Total Pre- Project Impervious Surface Area ¹⁶ (ff ²)	Total Post- Project Impervious Surface Area ¹⁷ (ff ²)
Private Projects											
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Public Projects											
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments: During the reporting period of FY 14/15 the City of Clayton did not have any regulated projects approved.											

¹⁰Include cross streets

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

¹²Project 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.

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

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

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

¹⁶For redevelopment projects, state the pre-project impervious surface area.

¹⁷For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
Private Projects										
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments: During the reporting period of FY 14/15 the City of Clayton did not have any regulated private projects approved.										

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

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

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

²¹List 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.

²²List 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.).

²³List 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.

²⁴See 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).

²⁵For 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.

²⁶For 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.

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

²⁸If HM control is not required, state why not.

²⁹If 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 (public projects)

Project Name Project No.	Approval Date ³⁰	Date Construction Scheduled to Begin	Source Control Measures ³¹	Site Design Measures ³²	Treatment Systems Approved ³³	Operation & Maintenance Responsibility Mechanism ³⁴	Hydraulic Sizing Criteria ³⁵	Alternative Compliance Measures ^{36/37}	Alternative Certification ³⁸	HM Controls ^{39/40}
Public Projects										
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments: During the reporting period of FY 14/15 the City of Clayton did not have any regulated public projects approved.										

³⁰For public projects, enter the plans and specifications approval date.

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

³²List 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.

³³List 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.).

³⁴List 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.

³⁵See 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).

³⁶For 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.

³⁷For 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.

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

³⁹If HM control is not required, state why not.

⁴⁰If 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.
The City of Clayton does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement.
These projects are non-regulated and non-reportable but are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and full trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.
An agency may choose to report inspections conducted in early FY 15-16 for facilities installed in late FY 14-15.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
CVS Pharmacy (private)	Center Street (16,000 sq ft single story commercial building; City conducts annual inspection; private maintenance)	No Installed apx. 2006	CVS and Endashian LLC (lessor; and property owner)	9/29/2013 10/1/2013	Annual; Follow Up	Filtration Planters/Bio-Retention Planters / Flo-Through Planters On-Site	Minor leaf build up, no litter all vegetation healthy and properly trimmed	Inspector notified owner	Follow up inspection of 10/1/13 determined compliance (leaf build up removed)
				10/26/14 10/28/14	Annual; Follow Up	Filtration Planters/Bio-Retention Planters / Flo-Through Planters On-Site	Leaf and debris build up in planters 1, 3 & 5	Inspector notified owner	Follow up inspection of 10/28/14 determined compliance (leaf build up removed)

⁴¹Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.
⁴²State the responsible operator for installed stormwater treatment systems and HM controls.
⁴³State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).
⁴⁴State 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.
⁴⁵State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).
⁴⁶State the enforcement action(s) taken, if any.

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.

The City of Clayton does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement.

These projects are non-regulated and non-reportable but are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and full trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.

An agency may choose to report inspections conducted in early FY 15-16 for facilities installed in late FY 14-15.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
Flora Square (private)	Center/Oak Street (7,000 sq foot 2 story retail/office building; city conducts annual inspection; private maintenance)	No Installed apx. 2009	Dave Thomas NUCP Clayton LLC (property owner)	9/15/2013	Annual	Filtration Planters/Bio-Retention Planters On- Site	Satisfactory, clear of debris, no litter all vegetation healthy and properly trimmed; in compliance with plans	None	None
				10/01/14	Annual	Filtration Planters/Bio-Retention Planters On- Site	Satisfactory, clear of debris, no litter all vegetation healthy and properly trimmed; in compliance with plans	None	None
Mitchell Creek Place (private)	High Street 9-lot single family subdivision; city conducts annual inspection; HOA private maintenance	No Installed apx. 2009	HOA	9/19/2013 10/1/2013	Annual Follow Up	Filtration Planters/Bio-Retention Planters On-Site	Need to remove some silt/dirt build up; all vegetation healthy and properly trimmed; in compliance with plans	Inspector notified HOA	Follow up inspection of 10/1/13 determined compliance (silts/dirt removed)
				9/04/14 10/27/14	Annual Follow Up	Filtration Planters/Bio-Retention Planters On-Site	Lot 1 drain needs cap; all vegetation healthy and properly trimmed; in compliance with plans	Inspector notified HOA	Follow up inspection of 10/27/14 determined compliance (cap replaced)

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.
The City of Clayton does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement.
These projects are non-regulated and non-reportable but are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and full trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.
 An agency may choose to report inspections conducted in early FY 15-16 for facilities installed in late FY 14-15.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
Pine Hollow Estates (private)	Pardi Place 8 lot single family subdivision; city conducts annual inspection; private HOA and homeowner does maintenance	No Installed apx. 2008	HOA	9/19/2013 10/1/2013	Annual Follow Up	Filtration Planters/Bio-Retention Planters On-Site	Lot 1 had voids in perimeter stones or bio –filtration planter that need to be filled; Lot 2 planter mix has moss build up and need to be removed otherwise Satisfactory, clear of debris, no litter all vegetation healthy and properly trimmed; in compliance with plans	Inspector notified HOA	Follow up inspection of 10/1/13 determined compliance (voids filled in and moss build up removed)
				9/04/14	Annual	Filtration Planters/Bio-Retention Planters On-Site	No issues.	None	None

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.
 The City of Clayton does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement.
These projects are non-regulated and non-reportable but are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and full trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.
 An agency may choose to report inspections conducted in early FY 15-16 for facilities installed in late FY 14-15.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
Diablo Pointe (Estates) (private)	Regency/Rialto 24 lot single family residential	Yes VortSentry Installed apx. 2006 Lot LIDs installed apx. 2010 to January 2014 Project accepted in Feb. 2014	City of Clayton for VortSentry – via BAD; private homeowners for the residential lot LIDs	8/2013 1/10/2014	Annual Tract acceptance	Bio Retention Planters Vort Sentry Vort Sentry pre Treatment On-Site	All items installed in accordance with approved plans and properly functioning no maintenance issues identified. All on site LIDs of the residential lots completed to date were found to be in compliance	None	Has a Benefit Assessment District (BAD) that city oversees and City conducts maintenance and inspections on VortSentry; only conducts inspections for the on lot LID which are individual homeowner maintained.
				10/30/14	Annual	Bio Retention Planters Vort Sentry Vort Sentry pre Treatment On-Site	All items installed in accordance with approved plans and properly functioning no maintenance issues identified. All on site LIDs of the residential lots completed to date were found to be in compliance. New absorbent Vortex boom being installed.	New absorbent booms to be installed in Vortsentry unit.	Follow up inspection on 10/31/14 to determine vortex boom installed completed all in compliance. No further inspections of on lot LIDs until next year.

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.

The City of Clayton does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement.

These projects are non-regulated and non-reportable but are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and full trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.

An agency may choose to report inspections conducted in early FY 15-16 for facilities installed in late FY 14-15.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
Community Park Public parking lot – City responsible for maintenance and inspections (public)	Regency Dr/Marsh Creek Road	No Installed in 2/2011	City of Clayton	12/2012	Annual	Filtration Planters/Bio-Retention Planters On-Site	Minor leaf build up in one planter otherwise other areas clear of debris, no litter all vegetation healthy and properly trimmed; in compliance with plans	Inspector notified City Maintenance	Follow up inspection of 10/1/13 determined compliance (leaf build up removed)
				9/6/14 10/1/14	Annual Follow Up	Filtration Planters/Bio-Retention Planters On-Site	Minor leaf build up in one planter otherwise other areas clear of debris, no litter all vegetation healthy and properly trimmed; in compliance with plans	Inspector notified City Maintenance	Follow up inspection of 10/1/14 determined compliance (leaf build up removed)

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.

The City of Clayton does not have any regulated projects (those approved prior to December 1, 2011) however the City has early projects that have included LID approaches although were not required to implement the LID requirement.

These projects are non-regulated and non-reportable but are being included on the listing for purposes of providing the information to appropriate vector control agency only, and to demonstrate that the City of Clayton has had projects implement measures prior to when required under the permit thus demonstrating our efforts to comply with the objectives of the Clean Water Program and the Water Board as it relates to reducing impervious pavement runoff impacts into waterways, and full trash capture. Even though not required these early projects have O&M plans and are all inspected annually by the City.

An agency may choose to report inspections conducted in early FY 15-16 for facilities installed in late FY 14-15.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
Oakhurst Fountain Landscaping (public)	Oakhurst Drive at Clayton Road	Yes	City of Clayton	9/19/13	Annual	Filtration Planters/Bio-Retention Planters On-Site	No issues. Plants healthy no litter.	None	None
				9/6/14 10/1/14 10/15/14	Annual Follow Up Follow Up	Filtration Planters/Bio-Retention Planters On-Site	Planter 2 – 3 dead plants Planter 3 needs weeding.	Inspector notified City Maintenance	Follow up inspection of 10/1/14 showed work not done. Notified City Maintenance. Follow up inspection on 10/15/14 to determine compliance (plants replaced and weeds removed)

Comments: **No additional comments**

C.3.e.vi.Special Projects Reporting Table												
Reporting Period –January1 – June 30, 2015												
Project Name & No.	Permittee	Address	Application Submittal Date ⁴⁷	Status ⁴⁸	Description ⁴⁹	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category ⁵⁰	LID Treatment Reduction Credit Available ⁵¹	List of LID Stormwater Treatment Systems ⁵²	List of Non-LID Stormwater Treatment Systems ⁵³
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

⁴⁷Date that a planning application for the Special Project was submitted.

⁴⁸ 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.

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

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

⁵¹ 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.

⁵²: 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.

⁵³List 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

Program Highlights

Provide background information, highlights, trends, etc.

The City of Clayton does not have any industrial sites. The City of Clayton has very few commercial sites, they are limited to one 8 acre master planned neighborhood shopping center, and a two block area of smaller commercial business consisting of mostly offices, two small convenience stores, and a few restaurants. The City does not have any auto service facilities. The City of Clayton contracts with the Central Contra Costa Sanitary District – Central Sans- (POTW) for its commercial inspections. We have developed an inspection plan and review and update annually as needed with Central Sans staff supervising inspector. City staff met with its inspector supervisor and ensured the business listing data base was current and updated the planned inspection list for the Fiscal year, facilities lists, and inspection frequencies and priorities; 2) the contracted POTW inspectors conducting inspections and provides regular updates to city staff 3) the POTW inspectors received appropriate training. The City regularly monitors the meetings CCCWP's Municipal Operations Committee and the in the BASMAA Municipal Operations Committee.

Refer to the C.4. Industrial and Commercial Site Controls section of the Program's FY 14-15 Annual Report for a description of activities of the CCCWP's Municipal Operations Committee and/or the BASMAA Municipal Operations Committee.

C.4.b.i. ► Business Inspection Plan

Do you have a Business Inspection Plan?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If No, explain:				

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

List below or attach your list of industrial and commercial facilities in your Inspection Plan to inspect that could reasonably be considered to cause or contribute to pollution of stormwater runoff.

See Attachment C4b(1)

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

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

See Attachment C4b(2)

C.4.c.iii.(1) ► Facility Inspections

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

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

	Number	Percent
Number of businesses inspected	9	
Total number of inspections conducted	10	
Number of violations (excluding verbal warnings)	0	
Sites inspected in violation	N/A	N/A
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	N/A	N/A

Comments:
Central Sans, our POTW inspector, reports that for initial inspections they provide an average of 4 informational materials per business; for re-inspections they provide an average of 2 informational materials to the business.

In summary, no businesses were issued Warning Notices (WN) or Notice of Violations (NOV).

See Attachments C 4c for details of the inspections.

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)	0
Potential discharge and other	0
Comments: The City of Clayton contracts with our POTW- Central Contra Costa Sanitation District for inspection services. Refer to the “Enforcement Actions” listed under C.4.c.iii.2 Typically a “Level 1” enforcement actions (Warning Notice) is not considered “violations”, however it is followed up with either specific follow up inspection, or at a subsequent regular inspection to ensure corrective action is taken. During the reporting period of FY 14-15 no warning notices or notices of violations were issued.	

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) ⁴⁸	Number of Enforcement Actions Taken	% of Enforcement Actions Taken ⁴⁹
Level 1	Warning Notice	0	N/A
Level 2	Notice of Violation	0	N/A
Level 3	Formal Enforcement Action (Administrative Penalties, Cost Recovery)	0	N/A
Level 4	Legal Action/Referral to State and Federal Agencies	0	N/A
Total		0	N/A

⁴⁸Agencies to list specific enforcement actions as defined in their ERPs.

⁴⁹Percentage 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 ⁵⁰	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
No violations reported or observed during FY 14-15	0	0
See Attachment C4c for information on business inspection		

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 are no industrial facilities in the City of Clayton, therefore there were no industries identified as non-filers during scheduled inspections during this fiscal year. Central Sans conducts inspections for Clayton under an interagency service agreement. Central Sans reviews the operations of the businesses inspected to determine if they may be subject to the General Industrial Permit standards and if so, determines if the business filed a Notice of Intent (NOI) with the SWRCB. If a non-filer is identified, Central Sans informs the business of the requirement to file a NOI. If the business does not file a NOI, Central Sans notifies City of Clayton of this status so that appropriate referral to the RWQCB is made. Central Sans did not notify the City of Clayton of any non-filers during the reporting period.

C.4.d.iii ▶ Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
CCCSD Customer Service Training	July 8, 2014 or July 17, 2014	<ul style="list-style-type: none"> • Communication skills • Non-verbal queues 	7	78
Workshop on the New Industrial General Permit – Central Contra Costa Sanitary District (Martinez)	Dec. 16, 2014	<ul style="list-style-type: none"> • The New Industrial General Permit (IGP): Overview and Key Features • Who's In and Who's Out: Businesses That Must File a Notice of Intent (NOI) • The Ins and Outs of Inspecting a NOI Facility • When to Make Facility Referrals and Other Questions about the IGP 	9	100

⁵⁰List your Program's standard business categories.

Environmental Enforcement Training	January 21-25, 2015	<ul style="list-style-type: none"> • Report writing • Evidence • Developing a case 	2	22
CWEA – P3S Conference	February 2 & 3 2015	<ul style="list-style-type: none"> • Stormwater education and outreach • Trash management 	3	33
Commercial/Industrial Stormwater Inspection Training Workshop San Ramon Community Center (San Ramon)	April 30, 2015	<ul style="list-style-type: none"> • What to Expect in C.4, C.5, C.12, and C.13 from MRP 2.0 • Inspecting the San Ramon Valley Unified School (SRVUSD) Service Center • Conduct Mock Inspection at SRVUSD • The ABCs of PCBs – PCB Investigations, Cleanups, and Inspections Under TSCA • Screening Properties for Potential PCB Source Areas • PCB Source Area Identification through Industrial Inspections 	9	100
See Attachment C4d (iii)				

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

Program Highlights

Provide background information, highlights, trends, etc.

The City of Clayton monitored and received updates from the countywide program’s Municipal Operations Committee/Work Group; and the BASMAA Municipal Operations Committee. Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP’s FY 14-15 Annual Report for a description of activities conducted at the countywide or regional level.

During the year the City reviewed and updated its emergency and environmental contact list. There are no known or observed illicit discharges or illicit connections in the City of Clayton. City Maintenance staff annually checks and cleans as needed all DI’s throughout the City, and at that time observes to see if any signs of illicit discharges or connections. During the FY 14-15 period Maintenance staff did not observe any illicit discharges or connections. The POTW’s also observe for such illicit discharges or connections during their annual business inspections, no illicit discharges or connections were observed by Central Sans staff during the FY 14-15 reporting period. The City contracts with the City of Concord for maintenance of its Sanitary Sewer system. Construction permits go through a review by the City of Concord prior to issuance to ensure that any sewer connections are done to appropriate sewer lines and to current codes and are inspected properly.

Because the City does not receive or observe or have issues related to illicit discharges or connections there are not any trends in the detection and abatement of illicit discharges to report. If there is an item identified it is a rare and infrequent occurrence.

If the City was to receive a complaint/observation of illicit discharge or connection: Our process is that calls are received by city front line staff, police admin staff, or may be field observed by police patrol or maintenance staff in the field, and are directed to either the Asst. to the City Manager or the City Engineering Inspector for initial review, field verification and action; or referred to City Maintenance staff to verify and if needed to take appropriate action to ensure any discharge in public ways does not enter into storm drain. The Asst. to the City Manager is responsible to coordinate with POTW, city part time code enforcement staff person/city engineer/city attorney for any other appropriate follow action. Such actions include contacting the business owner/operator and contact the property owner to determine how the discharge came about; provide them with appropriate educational information; and depending on circumstances may issue any appropriate written warning notice/ citation and/or conduct an investigation and file report with the District Attorney and the Regional Water Control Board for any other follow up action. If it is from an illicit connection we would require them to remove the connection.

See Attachment C.5 updated contact list

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
No complaints received	N/A	N/A

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:
The City participates in the Program outreach related to mobile surface cleaners and that by BASMAA. There are not any mobile surface cleaners located in the City of Clayton. The City has not and does not utilize or hire any mobile surface cleaners, if we were to do so we would utilize a certified Mobile Surface Cleaner.

If the City was to receive a complaint/observation of illicit discharge: Our process is that calls are received by city front line staff, police admin staff, or may be field observed by police patrol or maintenance staff in the field, and are directed to either the Asst. to the City Manager or the City Engineering Inspector for initial review, field verification and action; or referred to City Maintenance staff to verify and if needed to take appropriate action to ensure any discharge in public ways does not enter into storm drain. The Asst. to the City Manager is responsible to coordinate with POTW, city part time code enforcement staff person/city engineer/city attorney for any other appropriate follow action. Such actions include contacting the business owner/operator and contact the property owner to determine how the discharge came about; provide them with appropriate educational information; and depending on circumstances may issue any appropriate written warning notice/ citation and/or conduct an investigation and file report with the District Attorney and the Regional Water Control Board for any other follow up action. If it is from an illicit connection we would require them to remove the connection.

Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 14-15 Annual Report for a description of efforts by the CCCWP's Municipal Operations Committee and the BASMAA Municipal Operations Committee to address mobile businesses.

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

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

Description:
City Maintenance staff conducts annual conducts visual inspections and cleans as necessary all drainage inlets and all creeks, outfalls, and v-ditches and box culverts (650 DI's; 5 miles of creeks; 15 miles of v-ditches; and 2 box culverts). All DI's and outfalls are regularly inspected, monitored and cleaned as part of overall field maintenance activity during the rainy season and cleared as may be necessary. Of the 650 DI's

25 have full trash capture devices installed on them. No issues were observed or reported this year.

Of all the DI's there were 30 "No Dumping Drains to Creek" thermoplastic markings were replaced in FY 14-15. There are apx. 40 newly identified DI's during the FY 14-15 year end replacement marking/inspections that need markings replaced which will be done in FY 15-16. Currently there is apx. 95% of the DI's marked, well above the minimum MRP requirement of 80%.

City Maintenance staff did clean the creeks, v-ditches, and DI's during FY 14-15 however, the 2 box culverts were inspected and cleaned this FY. The box culverts are inspected annually however typically only need cleaning about every four to five years.

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

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

	Number	Percentage
Discharges reported (C.5.f.iii.(1))	0	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	0	N/A
Discharges resolved in a timely manner (C.5.f.iii.(3))	0	N/A

Comments:
The City of Clayton did not receive or observe any spills or illicit discharges during the reporting period.
 Our process is that calls are received by city front line staff, police admin staff, or may be field observed by police patrol or maintenance staff in the field, and are directed to either the Asst. to the City Manager or City Engineering Inspector for initial review, field verification and action; or referred to City Maintenance staff to verify and if needed to take appropriate action to ensure any discharge in public ways does not enter into storm drain. The Asst. to the City Manager is responsible to coordinate with POTW, city part time code enforcement staff person/city engineer/city attorney for any other appropriate follow action. Such actions include contacting the business owner/operator and contact the property owner to determine how the discharge came about; provide them with appropriate educational information; and depending on circumstances may issue any appropriate written warning notice/ citation and/or conduct an investigation and file report with the District Attorney and the Regional Water Control Board for any other follow up action.

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

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

None. There were not any discharges observed or complaints received during FY 2014-15.

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals		
Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.1.a)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)	Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more) (C.6.e.iii.1.c)
# 0	# 0	# 0
<p>Comments:</p> <p>The City of Clayton issued 18 small project stormwater permits for small projects. These sites generally consist of construction of minor items such as backyard residential swimming pools/spas, demolition of pools and backfill, residential building additions and remodels, and remove/replace of sidewalks due to tripping hazards. For these 18 small projects, the City conducted 54 additional stormwater quality inspections that were are not included within the above categories during FY 2013-14. The city conducted these inspections as part of its practice to ensure small projects are properly implementing site construction best management practices. The City of Clayton collects inspection fees to cover its costs and a small refundable deposit. This approach implemented several years ago greatly enhances our program to ensure these small projects are using appropriate BMP's. Because the City of Clayton is mostly built out, most of the construction activity is related to smaller residential type projects and some smaller tenant improvements to existing commercial buildings.</p>		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations⁵¹ excluding Verbal Warnings	% of Total Violations⁵²
Erosion Control	0	N/A
Run-on and Run-off Control	0	N/A
Sediment Control	0	N/A
Active Treatment Systems	0	N/A
Good Site Management	0	N/A
Non Stormwater Management	0	N/A
Total⁵³	0	N/A

⁵¹Count 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.

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

⁵³The 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

	Enforcement Action (as listed in ERP) ⁵⁴	Number Enforcement Actions Issued	% Enforcement Actions Issued ⁵⁵
Level 1 ⁵⁶		0	N/A
Level 2		0	N/A
Level 3		0	N/A
Level 4		0	N/A
Total		0	N/A

C.6.e.iii.1.f, g ► Illicit Discharges

	Number
Number of illicit discharges, actual and those inferred through evidence 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

⁵⁴Agencies should list the specific enforcement actions as defined in their ERPs.

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

⁵⁶For example, Enforcement Level 1 may be Verbal Warning.

C.6.e.iii.1.h,i ► Violation Correction Times		
	Number	Percent
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)	0	N/A ⁵⁷
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	N/A ⁵⁸
Total number of violations (excluding verbal warnings) for the reporting year⁵⁹	0	N/A
Comments:		

C.6.e.iii.(2) ► Evaluation of Inspection Data
Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).
<p>Description:</p> <p>In 09-10 there were not any active construction projects that were subject to the thresholds of the NPDES MRP permit. During 10-11 there was only one project (Diablo Pointe) which was only doing remedial grading to a reactivated subdivision project of 24 lots. During 11-12 the 24 lot project was reactivated and moved quickly through the construction process. The project had all site improvement work completed some years back; the only hard construction was limited to the pad lots and some open space slope repair.</p> <p>During FY 12-13 this development was in the house construction phase. Currently, the Diablo Pointe Subdivision is now built out, and all house construction is complete. The City of Clayton is very small and mostly built out; most projects occur only every few years and thus we are not able to obtain meaningful trend analysis. Over the 24 inspections that occurred to this project site (through FY12-13 when construction was complete) there were not any consistent or significant issues identified and the contractors kept all BMP's in good condition, there were not any violations observed. The developer was a major builder (Toll Brothers) and they appeared to understand the importance of good establishment and maintenance of their site BMP's. In general it appears most major developers have contractors who are better versed in the provisions of the MRP, the Clean Water Programs C3 Guidebook etc.</p> <p>During FY 13-14 there were not any projects under construction nor planned or projects that have received development entitlements.</p> <p>During 14-15 there were not any projects under construction nor planned or projects that have received development entitlements.</p> <p>If the current development project of Silver Oaks Estates receives entitlements in 2016, it is not expected to commence construction until 2017 at the earliest. Therefore as noted there is not sufficient development or consistent development activity in the City of Clayton to be able to establish any meaningful evaluation of inspections, issues, concerns and data tracking/trend analysis. Of the projects in the past no consistent issues have been identified that need to be addressed or would generate any changes to construction site controls and inspection processes.</p>

⁵⁷ 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.
⁵⁸ 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.
⁵⁹ 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.e.iii.(2) ► Evaluation of Inspection Program Effectiveness

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

Description:

There have not been any weaknesses identified. There has only been one active construction site over the last three years or too little activity to make evaluation.

Our strength is in our training and information materials and outreach/information processes we have developed. The City has had its City Engineer, Planning Director and Stormwater Manager trained on the new MRP through the program training. The City Engineer, City Inspector, and City Stormwater Program Manager (Asst to the City Manager) completed the QSD/QSP training. The city engineer also took and passed the exam. They also received, along with the new Planning Director and the Asst. Planner additional training from the CCCWP in June 2013 related to implementing MRP provision C3 requirements. The City continues to actively implement the MRP requirements as part of its planning and development process review and refers any potential developer of a project subject to the MRP to the Programs website. The City outreached and provided information to developers/architects and engineers in the private sector of training opportunities related to the MRP. The City provides informational materials on good housekeeping construction practices on all construction related permits, including small projects. The City has very infrequent large construction projects; most construction is smaller projects of home remodeling's/additions/swimming pools and commercial tenant improvements. The city requires and conducts inspections of all these projects to ensure compliance with appropriate BMP's. The City's stormwater manager actively participated in the CCCWP's Development Committee and monitored the activity of the BASMAA Development Committee. The City Inspector has replaced the prior year inspection forms with the example forms available through the Clean Water Program. The City Inspector also participated in local training workshops/seminars on storm water inspection procedures. In April 2013 the City Council Adopted Ordinance 444 which updated our Stormwater Discharge Ordinance to align better with the MRP. The Ordinance framework was provided by the Clean Water Program new Development Committee Workgroup which the City Stormwater Manager (Asst to the City Mgr.) actively participated on.

As noted above there is not sufficient development or consistent development projects in the City of Clayton to be able to establish any meaningful evaluation of inspections, issues, concerns and data tracking/trend analysis. Of the projects in the past no consistent issues have been identified that need to be addressed or would generate any changes to construction site controls and inspection processes.

See Attachment C 6 e 2

Refer to the C.6 Construction Site Control section of countywide CCCWP's program's FY 14-15 Annual Report for a description of activities at the countywide or regional level.

C.6.f ▶ Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
C.6 training is required only every other year. A training workshop was held by the CCCWP in FY 13-14 Annual Report.	N/A	N/A	N/A	N/A
QDD/QSP training provided by CASQA	April 2015	<ul style="list-style-type: none"> • Recertification Training 	1	100%
Low Impact Development Planning, Design & Construction <i>(Note this was optional training as non was required in FY 14-15 as the program provided training in FY 13-14)</i>	March 17, 2015	<ul style="list-style-type: none"> • Reviewing Stormwater Control Plans and Plan Checking Bioretention Facilities • Inspecting Construction of Bioretention Facilities • Reviewing Bioretention Soil Submittal • Field visit Development Sites with LID Facilities 	0	0
<p>The City currently does not have a dedicated filed engineer from the contract engineer’s office as the only field inspector was eliminated due to budget cuts from low activity. The City Engineer has been performing both plan review and field inspections during this time. Neither the City Engineer nor the Stormwater Program Manager attended the “Construction Site Stormwater Controls Workshop” provided by the CC Clean Water Program on March 15, 2015 as both had attended multiple previous workshops in prior years on the topic and both have attended training on QSD/QSP training, with the City Engineer having been certified as QSP/QSD and renewed through July 2017. At such time that additional contract engineer office staff inspector is added they will be provided appropriate training.</p> <p>See Attachment C. 6. f</p>				

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

C.7.b.ii.1 ▶ Advertising Campaign

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

Summary:
The City of Clayton monitored and received updates during FY 2014-15 from the countywide program's CCCWP's Public Information and Participation Committee and BASMAA's Public Information and Participation Committee Guidance.

Refer to Section 7 in the CCCWP's FY 14-15 Annual Report for a complete review of advertising efforts conducted by the CCCWP 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: 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

C.7.b.iii.2 ► Post-Campaign Survey

(For the Annual Report following the post-campaign survey) Discuss the campaigns and the measurable 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:

	Survey report attached
X	Reference to regional submittal: 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

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 of Clayton is required to participate in a minimum of 6 media efforts.
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 the C.7 of the CCCWP's FY 14-15 Annual Report.

In addition to the above there were additional local efforts:
Within the City of Clayton there are two local newspapers "Clayton Pioneer" and the "Concord Transcript", throughout the year there are various articles related to a variety of green topics, including recycling and trash reduction. In addition our local trash/recycling hauler maintains a website with information related to the proper way to discard trash/recycling, the City's web site has a link to their website and the website is also included on outreach materials. Our hauler also provides an annual customer guide that is mailed to all residents and businesses within the City, and provides bi-monthly billing messages that often have information related to trash reduction and recycling. The City also distributes at its library and City hall flyers on sharps/drugs and bulky object pick up/recycling that the hauler provides for in most cases at no cost, including e-waste. During 14-15 the hauler also mailed out a flier with information and provided direct mail letter to all commercial business. All commercial businesses were re- inspected and found to still be subscribing and have trash and recycling services. The City's local paper "Clayton Pioneer" also coordinated and advertised a "Clayton Cleans Up" day for residents to participate in. This year apx. 125 people attended. At this event there were various materials related to the proper disposal of trash and recycling provided.

Clayton Customer Guide 2015 (mailed Jan – Feb 2015) sent to over 4,700 residents and 100 businesses (all Clayton households and businesses)

Treecycling 2014 (mailed November 2014) sent to over 4,700 residents and 100 businesses (all Clayton households and businesses) – Also posted at three public posting informational kiosks in the City.

Sharps – Pharmaceutical disposal included in the customer guide is sent to over 4,700 residents (all Clayton households); and 60 flyers provided at Library and City Hall; 60 flyers provided at Clayton Cleans Up. Also posted at three public posting informational kiosks in the City- The city has collection bins at its police department for these. In FY 14-15 there was 459 lbs of sharps dropped off (an increase of 12% over FY 13-14); and there was 442 lbs. of pharmaceuticals dropped off (an decrease of apx.44% over FY 13-14, and more consistent with past years).

Free Bulky items/e-waste pick up – 60 flyers provided pick up at Library and City Hall; 60 flyers provided for Clayton Cleans Up April 2015. Also posted at three public posting informational kiosks in the City. In FY 14-15 there were apx. 115 appliances and 102 mattress; and 109 e-waste items collected curbside for free from our hauler Allied/Republic. This is slightly more than last year. In addition there are many appliance companies that back haul old appliances and there were several e-waste drop off events at the local nearby schools.

See Attachment C 7

C.7.d ► Stormwater Point of Contact

Summary of any changes made during FY 14-15:

There are no changes to the City website or city point of contact for the stormwater program.

Refer to countywide Program's [CCCWP's] C.7 Public Information and Outreach section of Program's FY 14-15 Annual Report for efforts conducted by the countywide program to publicize stormwater points of contact (e.g. CCCWP website, hotline, outreach materials, etc.). Also refer to the BASMAA MRP Regional Supplement: Training and Outreach for FY 14-15, for efforts conducted by the countywide program to publicize stormwater points of contact (e.g. program website, hotline, outreach materials, etc.).

Additionally, our local trash/recycling hauler continues to maintain a website with information related to the proper way to discard trash/recycling, the City's web site has a link to their website and the website is also included on outreach materials.

The City updated its contact sheet with updates from adjacent jurisdiction contacts.

See Attachment C7d

C.7.e ► Public Outreach Events		
Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed. Use the following table for reporting and evaluating public outreach events		
Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscene presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> • Estimated overall attendance at the event. • Number of people that visited the booth, comparison with previous years • Number of brochures and giveaways distributed • Results of any spot surveys conducted
The City of Clayton is required to participate in a minimum of 3 public outreach events every year, the City exceeded this minimum as it participated in a total of 6 events in FY 14-15. Two events were coordinated by the program: Bring Back the Natives, Our Water Our World. In addition the City helped facilitate four other local outreach events: Oktoberfest, Clayton Cleans Up; Creekside Arts Festival; the Art and Wine Festival.		
Bringing Back the Natives Garden Tour, Countywide May 2015	Tour to encourage landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc... for countywide residents. See the Fiscal Year 2014-15 Group Program Annual Report, Section C.7, for further details regarding the description of this event.	See the Fiscal Year 2014-15 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.

<p>Support Our Water Our World, Countywide Various dates</p>	<p>See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the description of this event.</p>	<p>See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.</p>
<p>Oktoberfest, Local (October 4 & 5, 2014 – Downtown Clayton)</p>	<p>This is a two day weekend of vendor booths and music. The City staff helps facilitate the placement of two booths one from the Household Hazardous Waste/Central Sanitary District/Mr. Funnelhead and the other Contra Costa Water District. Both these booths provide their own staffing with information and education on watershed awareness, proper disposal/recycling of materials, general stormwater awareness, EnviroScape landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc Attendees were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices.</p>	<p>Estimated attendance over the two day weekend is 10,000 it included parents and children. Due to budget cuts city staff can no longer attend this event, and is done solely by the other agencies and their staff there is not any information on the amount of materials distributed. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out)</p>
<p>Creekside Arts Festival, Local (March 27, 28 & 29, 2015 - Library)</p>	<p>A weekend event featuring local area artist who have made or done art that is reflective or the natural /local environment and also includes those that do unique art in reuse. Artists and the Environment. The location is a community room next to a creekside trail/local library branch. Tables for local organizations that promote our nature areas are provided and there is information regarding good environment stewardship. Also promoted are books promoting nature and the environment especially local materials. This year included Wildlife biologist presentation on the rebirth from the Mt Diablo fire; eco art interactive projects/demonstrations.</p>	<p>Estimated attendance was 400 over the one evening and two days. Due to budget cuts city staff can no longer participate and it is put on by volunteers. There is not any information on the amount of materials distributed. There is interactive art project for children using the environment, such as rock painting, collecting leafs for colleges from the nearby creekside trail etc. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out) as well as competing local youth sports activities.</p>

<p>Clayton Cleans Up , Local (April 25, 2015- City Hall Courtyard)</p>	<p>This is a three hour Saturday morning Community Clean Up event along city trails, creeks, and sidewalk/landscape areas. Tables with information and education was provided & residents encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices.</p>	<p>Estimated attendance was 125, it included parents and children. Due to budget cuts city staff can no longer attend this event, and is done solely by volunteers there is not any information on the amount of materials distributed. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out) as well as competing local youth sports activities.</p>
<p>Art and Wine Festival, Local (May 2 & 3, 2015- Downtown Clayton)</p>	<p>This is a two day weekend of vendor booths and music. The City staff helps facilitate the placement of two booths one from the Household Hazardous Waste/Central Sanitary District/Mr. Funnelhead and the other Contra Costa Water District. Both these booths provide their own staffing with information and education on watershed awareness, proper disposal/recycling of materials, general stormwater awareness, Enviroscap landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc Attendees were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices.</p>	<p>Estimated attendance over the two day weekend is 10,000 it included parents and children. Due to budget cuts city staff can no longer attend this event, and is done solely by the other agencies and their staff there is not any information on the amount of materials distributed. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out)</p>

C.7.f. ► Watershed Stewardship Collaborative Efforts

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

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

See the Fiscal Year 2014-15 Group Program Annual Report, Section C.7, for a detailed report on BASMAA and the Program's Events and Activities Efforts and evaluation of effectiveness on our behalf.

The City is required to participate in or contribute to a minimum of 1 effort. During FY 14-15 the City participated/supported in apx. 6 efforts.

The City of Clayton actively participates and supports the Program and its 1) participation in the Contra Costa Watershed Forum, 2)the Green Business Program; 3) membership and partnering with the Bay Friendly Landscape Coalition; 4) CCCleanwater.org Community Calendar 5) MyGreengarden.org; 6) membership and support for the California Product Stewardship Council.

See Attachment C 7 f

C.7.g. ► Citizen Involvement Events		
List the types of events conducted (e.g., creek clean up, storm drain inlet marking, native gardening etc.). Use the following table for reporting and evaluating citizen involvement events.		
Event Details	Description	Evaluation of effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional	Describe activity (e.g., creek clean-up, storm drain marking etc.)	Provide general staff feedback on the event. Provide other evaluation details such as: <ul style="list-style-type: none"> • Number of participants. Any change in participation from previous years. • Distance of creek or water body cleaned • Quantity of trash/recyclables collected (weight or volume). • Number of inlets marked. • Data trends
The City of Clayton is required to participate in a minimum of 1 citizen involvement event. This year the City participated in 5 events, 3 through the Program: Watershed Stewardship Grant Program; Program website CCCleanwater.org Community Calendar and website Mygreengarden.org. The 2 City activities: City maintains its own City Event Calendar on its own website (cityofclayton.org), and the City helped facilitate the local annual Clayton Cleans Up. See Attachment C7g		
Program website CCCleanwater.org Community Calendar	See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the description of this event.	See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.
website Mygreengarden.org	See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the description of this event.	See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.
Community Watershed Stewardship Grant Program	See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the description of this event.	See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.

<p>Clayton Cleans Up , Local (April 25, 2015- City Hall Courtyard)</p>	<p>This is a three hour Saturday morning Community Clean Up event along city trails, creeksides, and sidewalk/landscape areas. There were tables with information and education was provided where residents were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices.</p>	<p>Estimated attendance was 125 it included parents and children. Due to budget cuts city staff can no longer attend this event, and is done solely by volunteers there is not any information on the amount of materials distributed. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out) as well as competing local youth sports activities. It is estimated that 20 cubic yards of trash (mostly on land) was collected at this one day activity.</p>
<p>City event calendar www. cityofclayton.org</p>	<p>City maintains its own City event calendar which included the listing of various community events such as the Clayton Leans Up, Creekside Arts Festival; Oktoberfest and Art and Wine. The City website also has links to our haulers web site and the Clean Water Program web site.</p>	<p>We do not have the capability to track and find out the number of visits to the various web sites.</p>
Empty row for reporting purposes		

C.7.h. ► School-Age Children Outreach

Summarize school-age children outreach programs implemented. A detailed report may be included as an attachment. Use the following table for reporting school-age children outreach efforts.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.
<p>The City of Clayton is to participate or support a minimum of 1 effort.</p> <p>In FY 14-15 the City supported 5 such efforts: 2 via the CCCWP: Be Classy not Trashy Youth Anti-littering outreach campaign; and Mr. Funnelhead school, city/county events and tv ads.</p> <p>In addition the City facilitated 3 other efforts: Mr. Funnelhead appearance at Oktoberfest, Clayton Cleans Up; Art and Wine Festival.</p> <p>See Attachment C7h</p>			
Be Classy not Trashy Outreach, Countywide	See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the description of this event.	See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the number of students reached from this on of this program.	See the FY 2014-15 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this outreach program.
Mr. Funnelhead, Countywide	See the FY 2014-15 Group Program	See the FY 2014-15	See the FY 2014-15 Group Program Annual

	Annual Report, Section C.7, for further details regarding the description of this event.	Group Program Annual Report, Section C.7, for further details regarding the number of students/teachers reached from this on of this program.	Report, Section C.7, for further details regarding the effectiveness of this outreach program.
<p>Mr. Funnelhead – Local (Oktoberfest 4 & 5, 2014 Downtown Clayton)</p>	<p>This is a two day weekend of vendor booths and music. The City staff helps facilitate the placement of two booths one from the Household Hazardous Waste/Central Sanitary District/Mr. Funnelhead and the other Contra Costa Water District. Both these booths provide their own staffing with information and education on watershed awareness, proper disposal/recycling of materials, general stormwater awareness, Enviroscape landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc Attendees were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices</p>	<p>Estimated attendance over the two day weekend is 10,000 it included parents and children. It is likely that some of the adults are local teachers live in area. Due to budget cuts city staff can no longer attend this event, and is done solely by the other agencies and their staff. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out)</p>	
<p>Clayton Cleans Up/Mr. Funnelhead, Local (April 25, 2015- City Hall Courtyard)</p>	<p>This is a three hour Saturday morning Community Clean Up event along city trails, creeksides, and sidewalk/landscape areas. There were tables with information and education was provided where residents were encouraged to take the materials. Mr. Funnelhead also</p>	<p>Estimated attendance was 125 it included parents and children. It is likely that some of the adults are local teachers live in area. Due to budget cuts city staff can no</p>	

	<p>attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices.</p>	<p>longer attend this event; it is done solely by volunteers there is not any data on the amount of children vs. adults. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out) as well as competing local youth sports activities.</p>	
<p>Art and Wine/Mr. Funnelhead, Local (May 2 & 3, 2015- Downtown Clayton)</p>	<p>This is a two day weekend of vendor booths and music. The City staff helps facilitate the placement of two booths one from the Household Hazardous Waste/Central Sanitary District/Mr. Funnelhead and the other Contra Costa Water District. Both these booths provide their own staffing with information and education on watershed awareness, proper disposal/recycling of materials, general stormwater awareness, Enviroscene landscaping using native plants, minimizing pesticide and fertilizer use, water conservation, mulching and composting, etc. Attendees were encouraged to take the materials. Mr. Funnelhead also attends, a dressed up mascot that interacts with the children, the message is only rain down the drain, general stormwater awareness and less toxic gardening practices.</p>	<p>Estimated attendance over the two day weekend is 10,000 it included parents and children. It is likely that some of the adults are local teachers live in area. Due to budget cuts city staff can no longer attend this event, and is done solely by the other agencies and their staff. The number of attendees has varied over the years as it is dependent on weather (better weather has better turn out)</p>	

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

C.9.b ► Implement IPM Policy or Ordinance						
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.						
Trends in Quantities and Types of Pesticides Used⁶⁰						
Pesticide Category and Specific Pesticide Used	Amount⁶¹					
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15
Organophosphates	0	0	0	0	0	0
Product or Pesticide Type A						
Product or Pesticide Type B						
Pyrethroids	0	0	0	0	0	0
Product or Pesticide Type X						
Product or Pesticide Type Y						
Carbaryl	0	0	0	0	0	0
Fipronil	0	0	0	0	0	0

C.9.c ► Train Municipal Employees	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year. (Note: Full time perm. employees only reported; in addition there were 7 seasonal employees trained)	3
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years. (Note: Full time perm. employees only reported; in addition there were 7 seasonal employees trained)	3
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within the last three years.	100%

⁶⁰Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁶¹Weight 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.

C.9.d ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year?		<input checked="" type="checkbox"/> X	Yes
		<input type="checkbox"/>	No
If yes, attach one of the following:			
<input type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR		
<input checked="" type="checkbox"/> X	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR		
<input type="checkbox"/>	Equivalent documentation.		
<p>If Not attached, explain: The City historically has always used a very minimal amount of pesticides and herbicides. The City does not use any pesticides or herbicides in a manner that threatens water quality, or in any quantities that would be sufficient to have trend analysis. Pesticide use is mostly limited to building interiors for ants and is mostly done with ant bait stations. Overall the amount used has been constant. Any increase in use is due to increase in the ants based upon weather and climate conditions and seasonal fluctuations. The City limits its use to herbicides to round up and pre-emergent for spot spraying in landscape areas during the dry weather with Ranger (Glyphosate N (phosphonmethyl) glycine in form of isopropylamin salt for FY 14-15 the total amount applied citywide was 5.3 gal. It uses slow release fertilizer on turf areas only in park areas, total amount used in park lawn areas for FY 14-15 was 2,000 lbs.. These applications are also done when it is not raining or threat of rain. The City ensures through its maintenance operations that it's limited outside contractors for building pest management also use IPM practices. Buildings are mostly managed mostly with minimal building exterior foundation spray if needed and bait type materials for ants by its outside contractor Western Exterminator that is Eco Wise IPM certified. Western Exterminators use of organophosphates, pyrethroids, carbaryl and fipronil are not used or applied in a manner that threatens water quality (i.e., are used outdoors and may come in contact with stormwater.) Any work is done inside of building areas or it outdoors only during non-rain periods. Outdoor work is limited to around building foundations which have landscaping adjacent to the buildings so there is not any potential runoff. Only three small restroom buildings (each about 300 sq. ft. in size) and treatments are applied only during non-rain periods so that there is not any potential runoff thus no threat to coming into contact with stormwater.</p> <p>Open space weeds in about 125 acres are also managed for non-native invasive (star thistle and artichoke heart) by outside contractor that during FY 11-12 attend and was certified as Bay Friendly IPM and renewed in 2014 and is valid through 2016. The area targeted for this weed management is a limited area and applications are conducted during non-rain periods.</p> <p>The City Maintenance Supervisor during FY 11-12 attended and was certified as Bay Friendly IPM, this certification expired at end of 2014. No renewal program was available that he could attend prior to the expiration and no program available between January and June of 2015. The Maintenance Supervisor will obtain re-certification as soon as a course is available that he can attend. This supervisor did attend the June 2015 Clean Water Program Workshop on IPM Guidance Manual Training. All full time maintenance staff received PAPA training which includes IPM.</p> <p>City Maintenance Staff only uses spot spraying of round-up and pre-emergent in landscape areas during the spring and fall during non-rain periods. During FY 14-15 due to budget cuts and limited staff resources, and the drought the maintenance staff applied limited pre-emergent, only spot and spraying of roundup during the non-rainy times. No fertilizer or pesticide spraying occurs in the planted landscape areas. The only fertilizer application is limited to active play lawn (ie: park sports field areas) and three small grass landscape features. However due to the extreme drought and water reduction during FY 14-15 the small grass landscape feature lawns were fallowed, and no fertilizer applied in FY 14-15; with limited watering and fertilizing of the active play turf areas in FY 14-15. The City maintenance employees do not use or apply pesticides outside.</p> <p>See Attachment C9</p>			

C.9.e ▶ Track and Participate in Relevant Regulatory Processes

Summarize participation efforts, information submitted, and how regulatory actions were affected **OR** reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.

Summary:

During FY 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.

C.9.f ▶ Interface with County Agricultural Commissioners

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

	Yes	X	No
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If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of the CCCWP's FY 14-15 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of CCCWP's FY 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	25	123	45			168
LID Facilities	4	23	3			26
Total for all Types	29	147	48	0	0	195
Required by Permit						6

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).

There were not any problems or issues observed. There were not any devices that had trash or debris overflowed or by passed. All were functioning properly. Same observations as last year there is very little material (trash/litter) as our community is typically not very litter prone. The drought continued with very little rain and thus runoff.

The City has met the minimum treatment area required (6 acres) by treating 195 acres with small full-capture devices. The City installed twenty-five (25) connector pipe screens on November 12, 2012. The devices are located within TMAs #1, 3 and 4. To-date, four (4) low-impact development projects (i.e., LID facilities) installed via provision C.3 have been constructed within TMAs #1 and #4. The LID facilities were found to be effective in removing trash. All trash capture devices are publicly owned and maintained. The table below describes the land area within each trash generating category that is treated with full capture devices, and the percentages of areas within each generation rate treated by full capture devices. City does not plan on installing additional connector pipe screens. A total of 42 cu feet of debris, mostly leaf, and organics (sediment) were collected in the 25 trash capture devices.

Initial inspection and maintenance of full-capture devices occurred on July 20, 2013. All devices were inspected and cleaned July 26, 2013; July – Sept. 2014, and July 2015. The July 2013 data was submitted in the FY 13-14 Annual Report. The July-Sept. 20-14 data is included in this report along with the xcel summary. The July 2015 inspection data is also provide for information at this time, the data will be put into xcel and included in the FY 15-16 Annual Report.

Overall most Trash Capture Devices and DI's overall had very little trash; the main materials collected were leaves and silts. All catch basin inlets are also inspected prior to rainy season (September/October) and cleaned as needed. All devices were observed to be functioning properly. LID facilities are inspected and maintained by the property owners. City staff though its hired contractor conducts an annual inspection of all LID facilities. No issues were identified of the LID's all were maintained and properly functioning. During FY 14-15 maintenance staff collected 1852 cy of trash from on land clean ups of trash in parks, containers in parks and along roadway/landscape areas; additionally 1170 cy of recycling was picked up.

See Attachment C 10a

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 .

See Attachment C10b

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		
Clayton Station (behind Safeway- Mt Diablo Creek segment)	June 22, 2015	7/17/2011 5 gallons (.03 cubic yd)	6/5/2012 33 gallons (.20 cubic yd)	6/28/2013 25 gallons (.15 cubic yd)	6/27/2014 7.5 gallons (.04 cubic yd)	6/22/15 25 gallons (.15 cubic yd)	Misc. Litter (See Attachment 10 b)	Unknown-transients (clothing/golf bag/step stool; paper items possible windblown from nearby road; pedestrians along trail.

Additional Receiving Water Cleanups – If claimed as load reductions described in C.10.d – part C, describe the number and frequency of receiving water cleanups conducted in addition to those reported above. Include locations, cleanup dates, and the total volume of trash removed. Describe the overall plan, if any, associated with these additional cleanups if meant to change the trash condition of certain reaches of creeks or shorelines.

None claimed – However the local newspaper , Clayton Pioneer, hosts a community creek/trail clean up in April.
This FY it was done on April 25 , 2015. Apx. 125 attended and there was apx. 10 cubic yards of vegetation and miscellaneous litter items (paper, wood, plastic, cardboard) collected along the trails, creeks, parks and in downtown Clayton.

C.10.c ► Long-Term Trash Load Reduction Plan

Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), trash generation maps, control measures, or time schedules identified in your plan.

Description of Significant Revision	Associated TMA
N/A: No revision to the Long Term Trash Load Reduction Plan or TMA's.	

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	N/A – not implemented			
Expanded Polystyrene Food Service Ware Ordinance or Policy	N/A- not implemented			
<p>Public Education and Outreach Programs Targeted at Trash Reduction and Implemented post-MRP Adoption</p> <p><i>(Although this Control Measure is provided the City of Clayton is not taking credit at this time for this measure as we are able to achieve compliance through our full trash capture devices -it is provided for informational purposes to document that there are other actions that occur to address trash citywide and region wide.)</i></p>	<p>Through the CCCWP, the Permittees conducted a "Litter Travels, But It Can Stop with You" multi-year campaign that started in FY 2009-10 and ran through FY 2011-12. The multi-media campaign was designed to educate citizens about the impacts of trash and litter in the County's waterways and how they can help address this problem</p> <p>The campaign included TV spots, billboards, posters at BART stations, placards on transit buses, print ads, and updates to the CCCWP website. Other outreach included more than 10,000 letters to County residents, contact with youth sport leagues, outreach to 17 school districts in the County, and distribution of flyers to students in 5 of those districts. Pre- and post-campaign surveys were conducted.</p> <p>In addition, as per MRP requirement Provision C.3.a.i (7) and C.3.c.i (1) (f), municipalities stencil all new storm drains with the "No Dumping – Drains to Bay" decals and maintain stencils on all storm drains. The City of Clayton uses thermoplastic "No Dumping Drains to Creek" inlet markings for all drainage inlets throughout the City.</p> <p>Both Litter Travels and storm drain stenciling are aimed at reducing all trash types and sources.</p>	<p>Surveys results conducted from the multi-year "Litter Travels" advertising campaign.</p>	<p>Surveys were conducted to measure the effectiveness of the "Litter Travels" campaign that ran from 2009 to 2012. As stated in the May 2010 Topline Report, there was an 18% increase between 2009 and 2010 in the "very willing" response to the questions of "How willing are you to participate in a community event to help clean up trash?"</p> <p>As shown in the June 2011 Topline Report, there was a 21% increase from 2009 to 2011 in the "very high" response to the question of "How high would you rate your own concern about litter polluting water?"</p> <p>As shown in the June 2011 Topline Report, there was a 21% increase from 2009 to 2011 in the "very high" response to the question of "How high would you rate your own concern about litter polluting water?"</p> <p>While both the "Litter Travels" campaign and storm drain stenciling cannot be assigned specific trash reduction percentages, a 2% reduction has been assigned based on best professional judgment.</p>	<p>2%</p>

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	Baseline Generation Areas (2009)	Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
1 (Downtown)	44				0	0	13	31
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	13	7
	20	This TMA has: 15 Connector Pipe Screens/Filters; 2 LID Facilities						
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	24
	<ul style="list-style-type: none"> Street Sweeping: All streets within TMA #1 are swept once/month, all arterials (i.e., Clayton Road) are swept once/week and all HOA landscape maintained private streets within TMA #1 are swept once/week. Storm Drain Inlet Cleaning: The City's Maintenance Department inspects and cleans, as needed all storm drain inlets within TMA #1 on an annual basis. Additional inspections are conducted, as needed. On-land Trash Cleanups: Within TMA #1, the City's Maintenance Department conducts seasonal on-land cleanups twice/year along Clayton Road and once/week in parks, as needed. In addition, the City-supports the Annual Spring "Clayton Cleans Up" on-land cleanup event each April. The event lasts approximately three hours and draws volunteers consisting of residents, community groups and local businesses. Volunteers remove litter from streets parks and trails near creeks. City Maintenance Temp/Seasonal/volunteers also conduct seasonal on-land cleanups once/week in parks & downtown streets as needed. Creek Cleanups: On an annual basis, maintenance staff walks along all creeks within TMA #1 to remove trash as needed. 			Area after Accounting for Other Actions (based on assessment results)	0	0	0	24
	Assessment Methods for Control Measures Other than Full Capture Devices							
	Assessment methods include the following: <ul style="list-style-type: none"> Track ability of street sweeper to reach the curb at designated speed. Visually assess trash condition before and after sweeping. Track inspection and maintenance frequency of storm drain inlets. Document problematic storm drain inlets which require more frequent inspection and maintenance. Track on-land cleanup location, cleanup frequency, and volume of trash removed during on-land cleanups. Track total number of volunteers participating in Annual Spring "Clayton Cleans Up". Visually assess overall trash condition of cleanup sites before and after event. When possible estimate amount of material collected and type. Track creek cleanup location, cleanup frequency, and volume of trash or material/type removed during creek cleanups conducted by the City's Maintenance Department. Document overall trash condition of creek cleanup site. 							
Summary of Assessment Results								
Street sweeping is on-going and is effective in removing trash from streets. The removal of trash with street sweeping and on land clean-up has been highly effective in preventing trash from reaching creeks.								
Area After Taking into Account Full Capture Devices AND Other Actions					0	0	0	44
Estimated % Trash Reduction in this TMA					100%			

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 (Clayton Station)	15			Baseline Generation Areas (2009)	0	0	0	15	
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 Not Treated by Full Capture Devices	0	0	0	15
	<ul style="list-style-type: none"> <u>Street Sweeping</u>: Kirker Pass Road and Clayton Road adjacent to Clayton Station Shopping Center is swept once/week. The center also sweeps weekly the parking lot. <u>Storm Drain Inlet Cleaning</u>: The City's Maintenance Department inspects and cleans, as needed all storm drain inlets within TMA #2 on an annual basis. Additional inspections are conducted, as needed. <u>Creek Cleanups</u>: Within TMA #2, the City's Maint. Department removes trash along Mt. Diablo Creek behind the Clayton Station Shopping Center on annual basis. To supplement the City's creek cleanup efforts the Clayton Station Shopping Center, landscape maintenance crews hired by shopping center property management removes trash on a monthly basis. The City of Clayton Police Department also responds to complaints of homelessness and trespassing behind the shopping center and periodically checks for homelessness. City adopted Ord. 455 prohibiting camping – allows police to issue citations. 				Area after Accounting for Other Actions (based on assessment results)	0	0	0	15
	Assessment Methods for Control Measures Other than Full Capture Devices								
	Assessment methods include the following: <ul style="list-style-type: none"> Track ability of street sweeper to reach the curb at designated speed. Visually assess trash condition before and after street sweeping. Track inspection and maintenance frequency of storm drain inlets. Document problematic storm drain inlets which require more frequent inspection and maintenance. Track creek cleanup location, cleanup frequency, and volume of trash or materials/type removed during creek cleanups conducted by the City's Maintenance Department. Periodic visual assessment of cleanups conducted by the Clayton Station Shopping Center landscape maintenance crews. Document overall trash condition of creek cleanup site. 								
Summary of Assessment Results									
Street sweeping is on-going and is effective in removing trash from streets. Routine street, parking lot sweeping, and creek cleanups have been highly effective in reducing impacts to water quality.									
Area After Taking into Account Full Capture Devices AND Other Actions					0	0	0	15	
Estimated % Trash Reduction in this TMA					--				

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 (Middle School – Community Park)	36			Baseline Generation Areas (2009)	0	0	35	2	
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	35	2
	36	This TMA has: 6 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	0
	<ul style="list-style-type: none"> Street Sweeping: Clayton Road/Marsh Creek Road adjacent to Diablo View Middle School and Clayton Community Park is swept once/month. Sweeping is on-going and is effective in removing trash from streets. Storm Drain Inlet Cleaning: The City's Maintenance Department inspects and cleans, as needed all storm drain inlets within TMA #3 on an annual basis. Additional inspections are conducted, as needed. On-land Trash Cleanups: Within TMA #3, the City's Maintenance Department conducts seasonal on-land cleanups twice/year along Clayton Road and once/week in parks, as needed. In addition, city temp/season/volunteers conduct seasonal on-land cleanups once/week in parks, as needed. 				Area after Accounting for Other Actions (based on assessment results)	0	0	0	0
	Assessment Methods for Control Measures Other than Full Capture Devices								
	Assessment methods include the following: <ul style="list-style-type: none"> Track ability of street sweeper to reach the curb at designated speed. Visually assess trash condition before and after street sweeping. Track inspection and maintenance frequency of storm drain inlets. Document problematic storm drain inlets which require more frequent inspection and maintenance. Track on-land cleanup location, cleanup frequency, and volume of trash or materials/type removed during on-land cleanups. Track total number of volunteers participating in Annual Spring "Clayton Cleans Up". Visually assess overall trash condition of cleanup sites before and after event. When possible estimate amount of material collected and type. Track creek cleanup location, cleanup frequency, and volume of trash or material/type removed during creek cleanups conducted by the City's Maintenance Department. Document overall trash condition of creek cleanup site. 								
	Summary of Assessment Results								
Street sweeping is on-going and is effective in removing trash from streets. The removal of trash along streets and within parks has been highly effective in preventing trash from reaching the stormwater conveyance system.									
Area After Taking into Account Full Capture Devices AND Other Actions					0	0	0	36	
Estimated % Trash Reduction in this TMA					100%				

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 (City Remainder)	2,356			Baseline Generation Areas (2009)	0	0	0	2,356	
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	138
	138	This TMA has: 4 Connector Pipe Screens/Filters; 2 LID Facilities							
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	2218
	<ul style="list-style-type: none"> Street Sweeping: All streets (84 curb miles) within the city of Clayton are swept once/month, all arterials (10 curb miles) are swept once/week and all HOA landscape maintained private streets (10 curb miles) are swept once/week. Storm Drain Inlet Cleaning: The City's Maintenance Department inspects and cleans, as needed all storm drain inlets within TMA #4 on an annual basis. Additional inspections are conducted, as needed. On-land Trash Cleanups: Within TMA #4, the City's Maintenance Department conducts seasonal on-land cleanups twice/year along Clayton Road and once/week in parks, as needed. In addition, the City supports the Annual Spring "Clayton Cleans Up" on-land cleanup event each April. The event lasts approximately three hours and draws volunteers consisting of residents, community groups and local businesses. Volunteers remove litter from streets and trails near creeks. City temp/seasonal/volunteers also conduct seasonal on-land cleanups once/week in parks, as needed. Creek Cleanups: On an annual basis, maintenance staff walks along all creeks within TMA#4 to remove trash as needed. This effort is highly effective in preventing trash from reaching creeks. 				Area after Accounting for Other Actions (based on assessment results)	0	0	0	2218
	Assessment Methods for Control Measures Other than Full Capture Devices								
	Assessment methods include the following: <ul style="list-style-type: none"> Track ability of street sweeper to reach the curb at designated speed. Visually assess trash condition before and after sweeping. Track inspection and maintenance frequency of storm drain inlets. Document problematic storm drain inlets which require more frequent inspection and maintenance. Track on-land cleanup location, cleanup frequency, and volume of trash removed during on-land cleanups. Track total number of volunteers participating in Annual Spring "Clayton Cleans Up". Visually assess overall trash condition of cleanup sites before and after event. Track creek cleanup location, cleanup frequency, and volume of trash removed or materials/type during creek cleanups conducted by the City's Maintenance Department. Document overall trash condition of creek cleanup site. 								
	Summary of Assessment Results								
Street sweeping is on-going and is effective in removing trash from streets. The removal of trash along streets and within parks has been highly effective in preventing trash from reaching the stormwater conveyance system. In addition, the removal of trash along creeks has been highly effective in preventing trash from reaching creeks.									
Area After Taking into Account Full Capture Devices AND Other Actions					0	0	0	2356	
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): The City of Clayton estimates that it has achieved an overall trash load reduction of “no adverse impacts” (i.e.100 %). This load reduction was solely achieved through the installation of full-capture devices. The City has greatly exceeded the minimum treatment area required (6 acres) by treating 195 acres with small full-capture devices. The City has installed twenty-five (25) connector pipe screens. To date, seven (7) low-impact development projects (i.e., LID facilities) installed early (pre Dec. 2011) but meet provision C.3 have been constructed within the City. Since the City is adequately reducing trash through the installation of trash full-capture devices, it will not be taking additional % trash reductions from jurisdictional-wide actions at this time.

Trash is rarely visible on City streets, along creeks and within parks and suburban open land uses, and open space areas. Creek clean up events remove what little trash exists in the area (e.g., 20 gallons in FY 2015 from their designated trash hot spot). When full-capture devices are cleaned, the vast majority of material removed in leaves and organic debris. To address potential trash in areas not served by trash full-capture device, the City has implemented street sweeping, storm drain inlet cleaning, on-land trash cleanups and creek cleanups. In FY 14-15 42 cu feet of debris (mostly leaves and sediment) was collected. In addition city wide on land clean ups along parks and roadways there was 1852 cu yd or trash, and 1170 cy yd or recycling. A community Clayton Cleans Up day (April 25, 2015) also collected 20 cubic yards of misc. vegetation and debris from parks, creek/trail areas, downtown, and along landscape areas.

The City supported state legislation to ban plastic bags. This legislation (which passed and was signed into law by the Governor) would apply to the City’s five retail stores (Safeway, Walgreens, CVS, and two small independent convenience markets). However this legislation is subject to state voter referenda in November 2016. Homeless encampment issues are fairly infrequent however to help ensure this continues to be minimal & infrequent the City adopted Ord. 455 on May 6, 2014, which prohibits camping within the city limits and allows the police to issue citations or arrest if necessary for violations. The certainty of the trash load reductions through the installation of trash full-capture devices is high.

See Attachment C10 d.

Estimated % Trash Reduction due to Jurisdictional-wide Actions (as Reported in C.10.d – Part A)	--
Estimated % Trash Reduction in All TMAs due to Trash Full Capture Devices (as Reported in C.10.d. – Part B)	100%
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)	0%
Subtotal for Above Actions	100%
Estimated % Trash Reduction due to Receiving Water Cleanups (All TMAs)	--
Total Estimated % Trash Reduction FY 14-15	100%

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 Countywide Program's [CCCWP] Annual Report for a list of mercury collection and recycling efforts conducted countywide and regionally.

The City of Clayton local efforts related to mercury recycling during FY 14-15 included the following:

- 1) **Promotion:** Our Solid Waste/Recycling Hauler (Allied Waste – AWIN, now known as Republic Services) started In October 2011 the curbside collection of CFL's and e-waste for free. This promotion was included on the Republic Services billing messages to customers, billing insets, and their Annual Customer Gide (mailed to all customers) and Republic Services web site. The City of Clayton web site has a link to our haulers web site. In addition there is information on the County web site related to proper disposal or recycling opportunities. Our hauler also provides periodic information in our local newspaper [Clayton Pioneer] which is distributed to all Clayton residences and businesses.
- 2) **HHW Program:** The City of Clayton is served by a semi regional facility operated by and located at Central Contra Costa Sanitation – Central Sans. They produce promotional information and have a Web Site. They provide the opportunity for small businesses and residents to drop-off mercury-containing devices of CFL's, fluorescent tubes, mercury thermometers, mercury switches.
- 3) **Curbside Collection:** Our Hauler (Republic Services) started curbside collection In October 2011 of CFL's and e-waste for free at individual residences and businesses [fluorescent tubes and thermometers are not collected curbside].
- 4) **Commercial business take back:** Bill's Ace Hardware is located about 3 miles away in Concord. This location takes back fluorescent tubes at no cost to residents – this location is closer than the HHW Central Sans.
- 5) **City Maintenance Activity:** The City maintains four buildings [City Hall, County Library Branch, Maintenance Yard Building, and a small rental hall (Endeavor Hall)], and some of the city streetlamps, all park lighting, and landscape lighting. All CFL's, Fluorescent tubes, Metal Halides lamps, as well as leftover paints are taken to the Central Sans HHW facility. The City recently converted some of its streetlights on its arterial streets with LED lamps through grant funds. PGE initiated the completion of the remaining lights arterial lights that they won to LED at the end of FU 14-15. The LED's have a longer life and contain less mercury than metal halides streetlights.
1. **Collection of Mercury-containing devices and equipment:** The City of Clayton has no role in the collection of mercury-containing devices and equipment at the consumer level.
 - a. Collection of Mercury-containing devices and equipment by your municipality or contractors at individual residences. The City of Clayton does not have nor does its hauler provide pick up for mercury containing devices other than CFL's. Collection is done with residents putting bulbs into zip lock bags and placing out with their other materials on their scheduled collection day. (According to our hauler in 2014-15 apx. 522 CFL's were collected curbside; along with 109 e-waste devices; and 3994 household batteries. Batteries increased over 100% from FY 13-14, all other items increased slightly)

See Attachment C 11

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:

There are no industrial facilities or uses in the City of Clayton. 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 against noncompliance

There are no facilities within the City of Clayton that have been identified as potential users or sources of copper that would require copper reduction BMPs. There are not any copper roofs or other copper features existing in the City of Clayton. New development projects would require discretionary review by the Planning Commission and at that time if copper features were proposed staff would either work to have the material changed to non-copper; or if approved with copper ensure that all runoff from the copper features went into LID's. The City's inspectors are the POTW inspectors – Central Contra Costa Sanitation which have received training on this topic. Please refer to BASMAA POC inspector training materials, which are available on the Program's website.

Any materials developed through the CCCWP are made available as appropriate at the City offices.

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

There are no facilities within the City of Clayton that have been identified as potential users or sources of copper that would require copper reduction BMPs, as there are not any auto repair uses within the City. The City's inspectors are the POTW inspectors – Central Contra Costa Sanitation which have received training on this topic. Please refer to BASMAA POC inspector training materials, which are available on the Program's website.

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

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

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

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

Summary:

In September 2010, the City of Clayton adopted new water conservation requirements as was mandated per state law. This ordinance requires new developments to submit efficient irrigation water use calculations and detailed landscape plan prior to either issuance of permits or final inspection of the development project. The Planning staff, City Engineer, stormwater manager have all received a copy and been trained on the new requirements. The requirements apply to private and public projects. Since the requirements are a part of the city codes they are included on our on line documents. The Planning staff provides the information to as part of the early review consultation process of any applicable development application. The city engineer includes as part of any public contract bid process, and city maintenance staff utilize as part of any major landscape renovation project.

In February 2014, the City adopted Ordinance 452 which updated the Building Codes to the 2013 Cal Green version which includes water conservation components related to plumbing. The city is also covered by the drought emergency regulations set forth by the State and Contra Costa Water District.

With the drought and emergency regulations established by the State there has been many media provided by the State and the Contra Costa Water District (CCWD) on water restrictions and conservation, including print ads, direct mail information/bill insert, web, social media, with messages to customers regarding water conservation promotion.

Materials prepared by the Program on less toxic pest control measures are available at the library kiosk display and were provided at the Clayton Cleans Up event and the Creekside Arts Festival. The Contra Costa Water District also staffed information booth and provided outreach materials on water restrictions, conservation, proper plan selection, less toxic pest control and landscape management and drought tolerant and native vegetation. The local garden club also provided information on drought tolerant and native vegetation at one of the farmers market and at their annual spring plant sale. There are also local landscape designers that support these approaches and include this aspect in their print media of our local newspaper on a regular basis. The local garden club (Clayton Valley Garden Club) hosts an annual local spring Garden Tour where homes feature water conserving planting and irrigation, in addition the City of Clayton supports the Bringing Back the Natives annual Garden Tour with usually two local homes in Clayton on the tour again promotes water conserving planting and irrigation, and less toxic pest control methods.

Additionally, the City of Clayton through the CCCWP promotes several programs and measures to minimize pollutant loading from excess irrigation including, but not limited to:

- 6th Edition Stormwater C.3 Guidebook adopted by ordinance 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).
- Green Business Program 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.
- Our Water Our World (OWOW) Program promotes to consumers and the point of purchase less toxic alternatives to combating lawn and garden pests.
- Bay Friendly Landscaping and Gardening Training and Certification Program promotes to landscapers a variety of measures designed to reduce waste and prevent stormwater pollution.

One of our Maintenance Supervisors has been Bay Friendly certified and our outside contractor for weed abatement is also Bay Friendly Certified.

See Attachment C15b

Refer to the C.3 New Development and Redevelopment, C.7. Public Information and Outreach and C.9. Pesticide Toxicity Control sections of CCCWP's FY 14-15 Annual Report for additional information on BMPs promoted countywide.

C.15.b.iii.(2) ► Unplanned Discharges of the Potable Water System⁶³

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) ⁶⁴	pH (standard units) ⁵²	Discharge Turbidity (Visual) ⁵² ,	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁶⁵	Inspector arrival time	Responding crew arrival time

⁶³This table contains all of the unplanned discharges that occurred in this FY.

⁶⁴Monitoring 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.

⁶⁵. 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.

Attachments

City of Clayton

for Section C-2

CITY MAINTENANCE STAFF ACTIVITY

Information for storm water report Year 14-15

Herbicide common name, usage, and active ingredient

Trade Name: RANGER

Usage in 14/15: 5.3 gallons

Active ingredient: Glyphosate N (phosphonmethi) glycine in form of isopropylamin salt

Fertilizers Usage: 2000 pounds of fertilizer used on Park lawns - it was a slow release.

Material Removed in annual fall inspection

Landslide Debris bench: 55 cubic yards remove of silt

Creeks: 60 yards removed – mostly wood, brush, trash; including paper, plastic, bottles, and cans. Plus 30 yard vegetation and debris remove from in front of Creek Culverts

Catch Basin: 3.5 yards removed – mostly dirt with trash including paper, plastic, bottles, and cans. Roto Rotor removed 3 yards from 4 catch basins with vacuum truck cost \$3441.00

V Ditches: 14 yards removed – mostly dirt small amount of trash

Drain to the Bay Signs: 30 replaced with 40 new signs reported with some damage to be done in 15-16

Training: 3 Full time in pesticide application with IPM training at PAPA seminars 7/29/14 and 11/6/14 plus 1 attended Contra Costa Clean Water IPM guidance 6/16/15 Train total of 7 seasonal workers in pesticide application one or more was trained on theses dates 2/2/15, 5/6/15 and 6/17/15

Trash from City Parks and Roadways: 1,852 cubic yards Recycling 1,170 cubic yards

Inspection of Corp Yard: Inspected 6-22-15 Check and clean catch basin, removed debris from yard i.e. paint, signs, old light bulbs, and general house cleaning.

Hot Spot: Inspected and cleaned June 2015

Trash Capture Equip Catch Basins: 25 total catch basins inspected, cleaned and information put into Trash Tracker – July – Sep. 2014; and July 2015



Memo

To: Mark Janney and John Johnston – Maintenance Supervisors

From: Laura Hoffmeister, Asst. to the City Manager

Meeting Date: September 19, 2012

Re: Transmittal of new required City Maintenance Written Standard Operation Procedures (SOP) for addressing potential threat of New Zealand Mud Snail

The City of Clayton is a part of the Contra Costa Clean Water Program NPDES permit regulations issued as the Municipal Regional Permit (MRP). One of the permit regulations state that we are to address impacts or potential threats to impacts to water quality including that in and around the creeks.

A regional monitoring program conducts periodic assessments to evaluate for any potential threats that water board has identified. One of the threats is from the non-native New Zealand Mud Snail. Recent monitoring studies have found that it is appearing in several creek areas in Contra Costa County. Even though it has not been identified to date in creeks in our city we are still required to immediately undertake the SOP. Because the studies did not include all creeks or creek segments in the region as the New Zealand Mud Snail is highly transportable, reproduces extremely fast and wipes out creek habitat swiftly all cities are to implement the SOP. Additional background info is attached.

I have attached the SOP that are now to be implemented. All maintenance staff are to be made aware of the information. Obtain in writing (their signature/date) that they have reviewed and received the information. The SOP and documentation shall be kept on site at the Corp. Yard where it is easily accessible as can be quickly located by any of the staff, as it is a part of the permit requirement and thus is subject to random audits conducted by the Water Board staff or their consultants.

Volunteer groups that might go into the creek must adhere to these SOP. For the volunteers it is probably best just to prohibit them from going into the creek.

For outside contractors that you or City Engineer may use they also must adhere to the SOP, and these SOP are to be a part of their contract/agreement.

cc: Rick Angrisani
Gary Napper

Laura Hoffmeister

From: Mark Janney <mjanney@ci.clayton.ca.us>
Sent: Wednesday, February 05, 2014 8:35 AM
To: lhoffmeister@ci.clayton.ca.us
Subject: New Zealand Mud Snails

Laura

It is the policy of the City of Clayton Maintenance Department to let only paid seasonal or full time workers into the creek during the Cities annual inspection and cleaning. All paid seasonal and full time workers that work in the creeks have been made aware of the New Zealand Mud Snails. They have been informed on the proper way of cleaning equipment and clothing that comes in contact with the creeks. The Maintenance Department does not use WAP (work alternative personal) to enter creek areas during our annual creek maintenance or any other official volunteer personnel.

NEW ZEALAND MUD SNAIL

CLAYTON MAINTENANCE MEETING

DATE 9-15-14

Meeting of the Clayton Maintenance Staff in Methods/Procedures for the prevention of the New Zealand Mud Snail survival and proper cleaning of Equipment/Clothing when in Creeks.

Attendees

Print Name

Sign

Robert J. Quintana



~~GARY DANKOWSKI~~

~~~~

Eric Sprague



James Morales



Teddy M. Richeson



Vade Thornock



Ed Bryce



Sandro Arias



Mark Janney



NEW ZEALAND MUD SNAIL

CITY OF CLAYTON SUB-CONTRACTER

KNOWLEGEMENT OF RECICITE OF CITY PROCEDURCES (SOP)

DATE 9.17.14

This is acknowledgement of receipt of the New Zealand Mud Snail Standard Operation Procedures (SOP) for the City of Clayton when working in any of the Cities Creeks. This also acknowledges the receipt of literature explaining the threat to water ways and the characteristics of the New Zealand Mud Snail. This further acknowledges that all employees of the sub-contractor have been made aware and follow the Cities Standard Operation Procedures (SOP) for the New Zealand Mud Snail when operating in the Cities Creeks.

Print Name

Sign

Company

Ed Wronner [Signature] Wronner Bros Tree Service

Standard Operating Procedures for Field and Personal Equipment and Clothing Decontamination Procedures for Creek Work

Special Cautions and Considerations; Health and Safety

!

CAUTIONS

When using chemical cleaners, always read the product label and adhere to all printed cautions and safety measures. Wear rubber gloves and eye protection when using chemical cleaners.

Treating field gear with chemical methods may result in unintended contamination of the environment. In particular, extreme caution must be taken to avoid contamination of waterways and wetlands. DO NOT rinse your treated gear in a water body.

Treating rubber gear or boots with Formula 409® and other disinfectants with quaternary ammonium compounds (QACs) may result in surface cracking of the rubber and loss of water repellency.

Chemical methods are not always effective in killing mudsnails. Always scrub your gear and consider using physical methods before resorting to chemical methods.

The best prevention is to simply stay out of the creeks as much as possible. When maintenance is required, limit the number of people who are actually getting into the water.

Work shall be spaced or scheduled in a manner that is spaced out and not going from one creek to another without decontaminating gear. If in same creek and going to a different section (more than ¼ mile away), gear and equipment shall be decontaminated prior to going into the next segment.

Decontamination of all gear, boots, waders and equipment that goes into or comes in contact with the water.

One of the 3 following methods shall be used for decontamination: Do not hose off into yard. Must use a sink that is connected to sanitary sewer or use the covered service bay with water that goes into holding tank.

Scrubbed with a stiff brush, AND followed by either:

- Chemical or Physical treatment. Chemical treatment can include Quat 128 (the active ingredient in Formula 409).
- Drying for a minimum of one week.
- Freezing gear overnight.

Further information and details regarding decontamination procedures are attached.

Methods/Procedures

To prevent the survival of mudsnails or other invasives on field clothing and equipment, it is necessary to first clean all field gear and then to treat it, using either the physical or chemical methods listed below. The following steps are recommended:

- If possible, keep different sets of field gear for use in different bodies of water.
- **Clean** all gear before leaving a site, scrubbing with a stiff-bristled scrub brush and rinsing with water, preferably high-pressure. This is often the simplest and most effective measure for prevention.
- **Inspect** gear before it is packed for transport. Visible traces of sand, mud, gravel, and plant fragments are signs that gear has not been properly cleaned and mudsnails may have been retained.

- **Select** a treatment method in addition to scrubbing and rinsing if mudsnails are present or suspected to be present. Two general categories of treatment are available - physical methods and chemical methods:
 - **Freezing, hot water, or drying treatments** are recommended over chemical treatments because they are usually less expensive, more environmentally sound, and possibly less destructive to gear. However, most physical methods require longer treatment times and often cannot be performed in the field.
 - **Chemical treatments** require a 10-minute soak in a special solution (see "CHEMICAL," page 5). After chemical treatment, gear must be rinsed thoroughly with tap water away from all bodies of water, and all soak solutions and rinse water must be properly disposed of.

PHYSICAL TREATMENT

These methods for cleaning gear are effective as well as environmentally sound. Use *one* of the following methods:

- **Freeze** your gear for a minimum of 4 hours to kill all mudsnails. Freezer temperatures should be at 26°F (-3°C) or below.
- **Soak** gear in a bath of hot water (at least 120°F, 46°C) for 10 minutes.
NOTE: This method is not advised for Gortex.
- **Dry** your gear before reuse. A drying time of at least 48 hours under low humidity is recommended to remove all pockets of dampness. Gear must be completely dry for a minimum of 24 hours. Check to ensure that boots are totally dry.

CHEMICAL TREATMENT

Common disinfecting cleaners containing quaternary ammonium compounds (QACs, e.g., alkyl dimethyl benzylammonium chloride [ADBAC]; diethyl dimethyl ammonium chloride [DDAC]) are effective for decontaminating gear.

Disinfectants listed below will kill other aquatic invasive species but may not result in 100% mortality.

Gear should be soaked in *one* of the following solutions for 5 minutes and then rinsed thoroughly with tap water, away from the water body:

- Commercial disinfectant solutions containing quaternary ammonium compounds (e.g., Formula 409® Cleaner Degreaser Disinfectant, alkyl dimethyl benzylammonium chloride [ADBAC]; diethyl dimethyl ammonium chloride [DDAC]). Formula 409® Cleaner Degreaser Disinfectant has been proven effective for killing mudsnails at 50% dilution.
- The compounds Quat 128® and Sparquat 256® are commercial disinfectants with an active ingredient (QAC) similar to that of Formula 409® Cleaner Degreaser Disinfectant, which has proven effective for killing mudsnails and other aquatic invasive species (see the table on the foldout page of the brochure for dilution rates).
- Many household bath and kitchen disinfectants contain quaternary ammonium compounds (check the label for active ingredients containing alkyl dimethyl benzylammonium chloride [ADBAC]; diethyl dimethyl ammonium chloride [DDAC]).

These and other chemical treatments are constantly being evaluated and are updated online at: seagrant.oregonstate.edu/themes/invasives/

Store and dispose of solution and used rinse water properly.

Quality Assurance/Quality Control

If chemical treatments are used, ensure that rinsing is performed thoroughly, to prevent contamination of water courses.

IF YOU FIND MUDSNAILS

If you suspect you have found mudsnails, collect 5 to 10 individuals and place them in a plastic bag into which you have sprinkled water. Check against the simple traits above and on the Web page below to confirm identification.

<http://www.esg.montana.edu/aim/mollusca/nzms>

Please save the samples and contact the Oregon Invasive Species Council (1-866-INVADER) and one of these specialists:

Sam Chan
Oregon State University
Oregon Sea Grant Extension
samuel.chan@oregonstate.edu

Robyn Draheim
Center for Lakes and Reservoirs
Portland State University
draheim@pdx.edu

Paul Heimowitz
U.S. Fish and Wildlife Service
Paul_Heimowitz@fws.gov

Sherri L. Johnson
PNW Research Station
USDA Forest Service
johnsons@fsl.orst.edu

To order copies, call 1-800-375-9360,
or write sea.grant.communications@oregonstate.edu
You can download a pdf of this brochure at
<http://seagrants.oregonstate.edu/sgpubs/onlinepubs.html>

Design by Stefania M. Padalino.
Cover photos: top three photos by D. L. Gustafson; bottom two photos by Jane and Michael Lid.

OR-ESU-0606-006



PORTLAND STATE
UNIVERSITY

NEW ZEALAND MUDSNAILS



HOW TO PREVENT THE SPREAD OF NEW ZEALAND MUDSNAILS THROUGH FIELD GEAR



This brochure is intended for researchers, monitoring crews, watershed survey groups, and anyone else who travels frequently between aquatic or riparian locations. It is intended to be used as a guide to currently accepted methods for treating field gear to prevent the spread of New Zealand mudsnails.



Devils Lake, Oregon, is heavily infested with New Zealand mudsnails. Prevent the spread of New Zealand mudsnails by cleaning gear and boats and not moving water from infested waters into new bodies of water. (Photo by Jane and Michael Liu.)

INTRODUCTION

The New Zealand mudsnail (*Potamopyrgus antipodarum*) is an introduced aquatic species that has invaded estuaries, lakes, rivers, and streams in Washington, Oregon, California, and many other states in the western U.S. It was first noted in North America in the late 1980s in the Snake River and has since spread throughout the West.

The small size (< 5 mm), cryptic coloration, and ability to survive out of water for weeks make the New Zealand mudsnail an ideal hitchhiker.



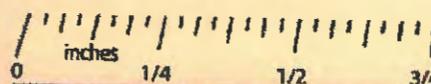
Snails can be inadvertently transported in bootlaces (center—note different color). (Photo by Jane and Michael Liu.)

Range expansion of the mudsnail has been unwittingly hastened by anglers, hunters, and field personnel—in other words, people who frequently move between streams and lakes in watersheds, hauling wet waders, nets, and other gear with them. Once the mudsnail is established in a new habitat, it is impossible to eradicate it without damaging other components of the ecosystem. Thus, inspecting, removing, and treating gear before moving to a new water body is the most effective means of preventing the spread of mudsnails.



The New Zealand mudsnail is often less than 5 mm long (Photo by Jane and Michael Liu.)

IDENTIFYING THE NEW ZEALAND MUDSNAIL



Size: A mature snail is usually less than 5 mm (.2 in) long. (Photo by Jane and Michael Liu.)



Shape: Shell is elongated and dextral (its whorls or spirals lean toward the right). Snail typically has between 5 to 6 whorls on its shell. (Photo by D. L. Gustafson, <http://www.esg.montana.edu/aim/mollusca/nzms>.)



Color: Most snails have a light- to dark-brown shell that may appear to be black when wet. (Photo by Jane and Michael Liu.)



Embryos: Upon dissection, mature snails will have brooded embryos. (Photo by D. L. Gustafson, <http://www.esg.montana.edu/aim/mollusca/nzms>.)



Operculum: The mudsnail operculum (a rounded plate that seals the mouth of the shell when the animal's body is inside) can be seen on live snails but is not easily visible on dead or preserved snails. (Photo by D. L. Gustafson, <http://www.esg.montana.edu/aim/mollusca/nzms>.)



MIXING INSTRUCTIONS

■ **Copper sulfate:** Dissolve 3.785 grams of copper sulfate pentahydrate crystals (99.1% purity) for each gallon of solution you want to make. This will achieve a concentration of 252 mg/L of copper ion in the cleaning solution.

■ **Benzethonium chloride:** Dissolve 7.57 grams of benzethonium chloride (97% purity) for each gallon of cleaning solution you want to make. This will achieve a concentration of 1,947 mg/L in the cleaning solution.

■ **Formula 409® Disinfectant:** Dilute the commercially available solution 1:1 with clean water to achieve the needed concentration for the cleaning solution (i.e., 1 gallon of Formula 409 Disinfectant to one gallon of water). (Note that formulations are subject to change. Check label to make sure that benzethonium chloride is listed as an ingredient.)



Fishing docks and boats are potential conduits for spreading the New Zealand mudsnail. (Photo by Jane and Michael Liu.)



New Zealand mudsnail in test chamber with chemical test solution. (Photo by Robert Hosea.)

CAUTION

Treating field gear with chemical methods may result in unintended contamination of the environment. In particular, extreme caution must be taken to avoid contamination of waterways and wetlands. DO NOT rinse your treated gear in a water body.

Treating rubber gear or boots with benzethonium chloride or Formula 409® may result in surface cracking of the rubber and loss of water repellency. Chemical methods are not always effective in killing mudsnails. Always scrub your gear and consider using physical methods before resorting to chemical methods. For more information on the testing of chemical treatment methodology, see R. C. Hosea, and B. Finlayson, 2005, *Controlling the Spread of New Zealand Mud Snails on Wading Gear*, Administrative Report 2005-02, Rancho Cordova, California: Resources Agency, California Department of Fish and Game.

THE MUDSNAIL PROBLEM

The New Zealand mudsnail is a threat to our waters. By competing with native invertebrates for food and habitat, it may have a detrimental impact on fish populations, vegetation, and other native biota.

Mudsnails can tolerate a wide range of habitats, including brackish water, and are found living in high densities (often over 400,000 snails/sq meter) on many different substrates (rock, gravel, sand, and mud).



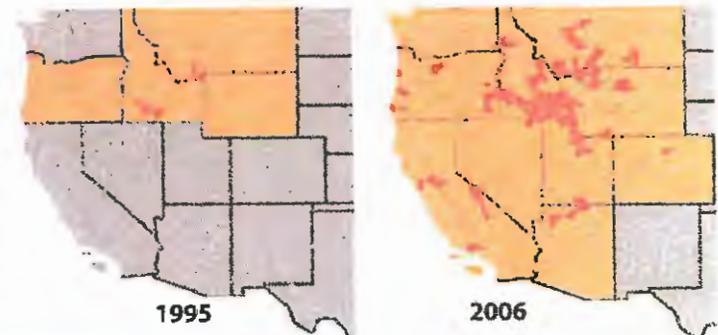
Mudsnails on the seam of a stream boot. Unintentional transport from one stream location to another by hitchhiking on waders or wading boots is one of the primary vectors for spreading New Zealand mudsnails. (Photo by Jane and Michael Liu.)

The biology, ecology, and distribution rate of the mudsnail suggest that many habitats are suitable for further expansion.

Mudsnail populations in the West are self-reproducing brooders; they clone themselves and retain the embryos inside their shell until they are large enough to release. Also known as parthenogenesis, this reproductive technique means that a single mudsnail can rapidly colonize a new location.

Mudsnails are easily transported to new habitats by field crews because the snails readily attach to or are wedged into the many cracks, crevices, and crannies presented by waders, boot soles, nets, buckets, and so on. New Zealand mudsnails can live for weeks in damp, cool conditions; can easily survive on field gear for long periods of time; and can be transferred to a new environment when that gear is reused.

Spread of the New Zealand mudsnail from 1995 to 2006 in the western U.S. New Zealand mudsnails have recently been found in parts of the Great Lakes region. (Map modified from D. L. Gustafson, <http://www.esg.montana.edu/aim/mollusca/nzms/>.)



Mudsnails that have been passed through the intestinal tract of a fish. Almost half of the mudsnails survived this trip. (Photo by M. Vinson, <http://www.esg.montana.edu/aim/mollusca/nzms>)



PREVENTION

To prevent the survival of mudsnails on field clothing and equipment, you will need first to clean your field gear and then to treat it, using either the physical or chemical methods listed below. We recommend the following steps:

- 1** If possible, keep several changes of field gear for use in different bodies of water.
- 2** Clean all gear before leaving a site (a stiff-bristled scrub brush or high-pressure water is the best tool for this task).
- 3** Inspect gear before it is packed for transport. Visible traces of sand, mud, gravel, and plant fragments are signs that gear has not been properly scrubbed and mudsnails may have been retained.
- 4** Select a treatment method in addition to physical cleaning.

- **Physical treatments** are recommended over chemical treatments because they are usually less expensive, more environmentally sound, and possibly less destructive to gear. However, most physical methods require longer treatment times and often cannot be performed in the field.
- **Chemical treatments** require a 5-minute soak in a special solution. After chemical treatment, gear must be rinsed thoroughly with tap water away from all bodies of water, and all soak solutions and rinse water must be properly disposed of.

Remember: physical and chemical treatments are not a substitute for physically scrubbing and cleaning your gear.

PHYSICAL

Physical methods for cleaning gear are effective as well as environmentally sound. Use *one* of the following methods:

- **Freeze your gear** for a minimum of 4 hours to kill all mudsnails. Freezer temperatures should be at 26°F (-3°C) or below.
- **Soak gear** in a bath of hot water (at least 120°F, 46°C) for 5 minutes. This method is not advised for Gortex.
- **Dry your gear** before reuse. A drying time of at least 48 hours under low humidity is recommended to remove all pockets of dampness. Gear must be completely dry for a minimum of 24 hours. Check to ensure that boots are totally dry.

CHEMICAL

Chemical solutions, at the concentrations below, also kill mudsnails but may not always result in 100% mortality.

Gear should be soaked in *one* of the following solutions for 5 minutes and then rinsed thoroughly with tap water, away from the water body. Store and dispose of solution and used rinse water properly.

- Benzethonium chloride (1,940 mg/L)
- Commercial Solutions Formula 409® Cleaner Degreaser Disinfectant (50% dilution)
- Copper sulfate (252 mg/L copper ion)

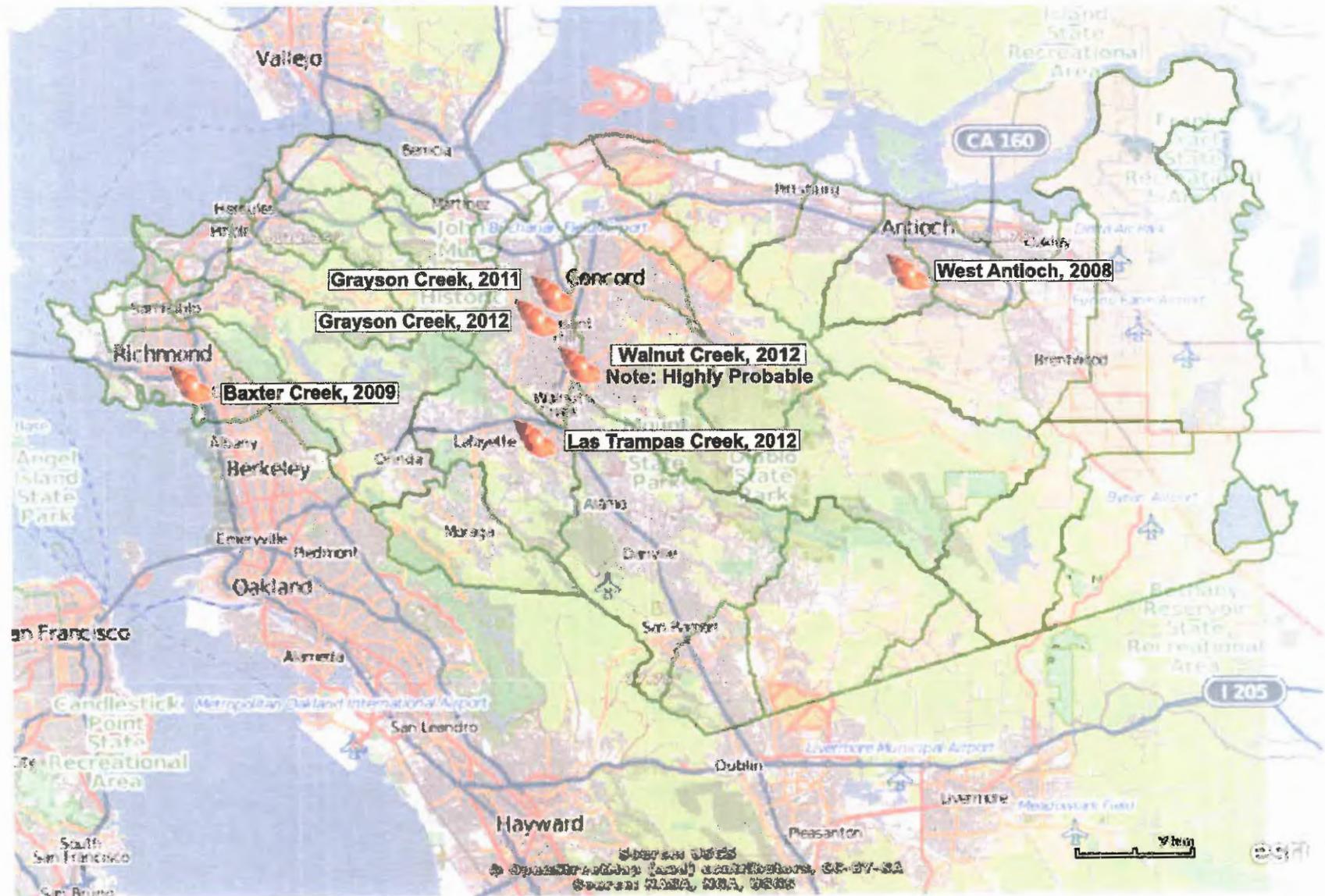
These and other chemical treatments are constantly being evaluated.



The toe of this rubber wader boot has cracked after being exposed to repeated applications of benzethonium chloride. (Photo by Robert Hosea.)

A worker filters the cleaning solution after removing wading gear. (Photo by Robert Hosea.)

Occurrences of New Zealand Mud Snail in Contra Costa County

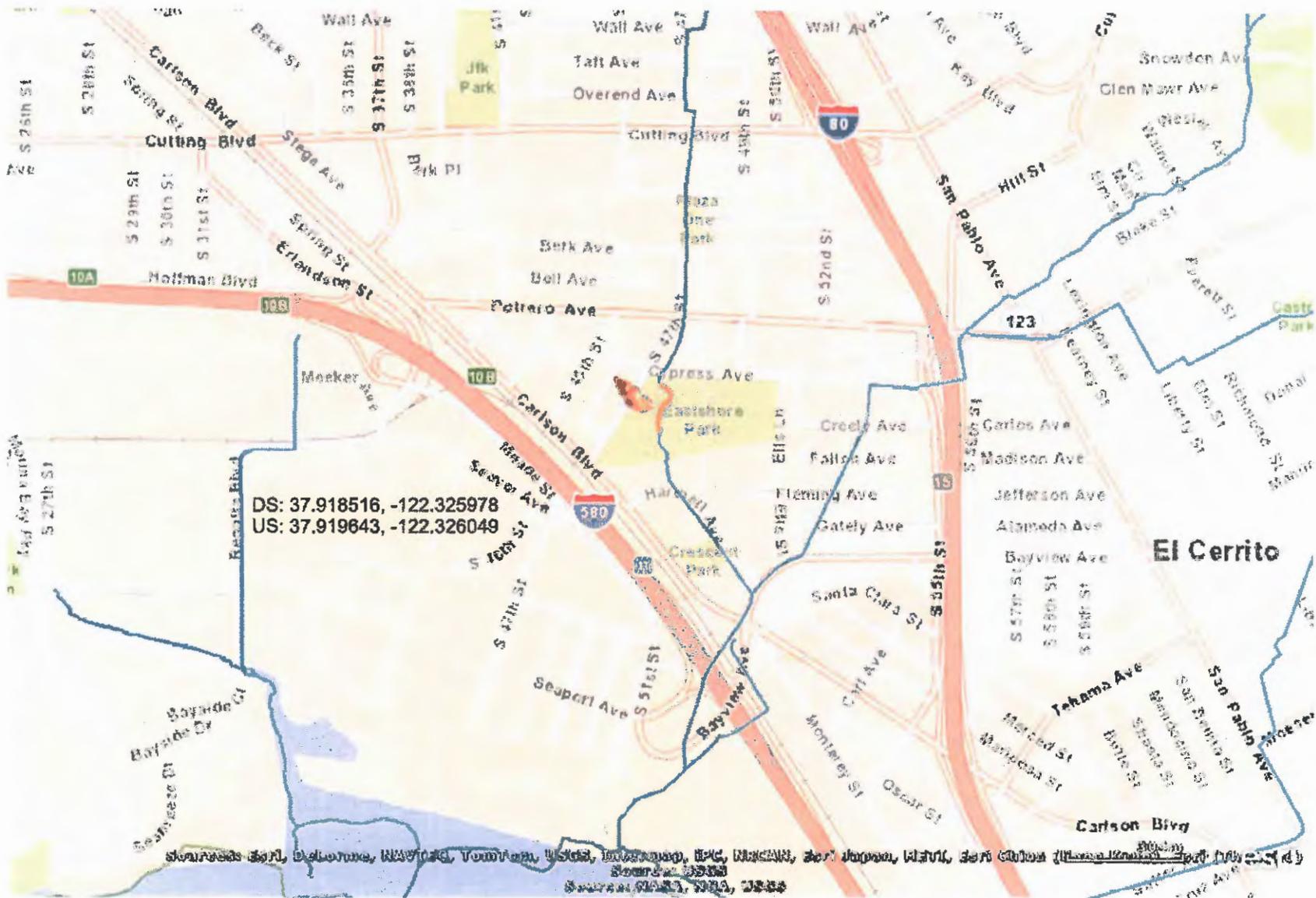


 New Zealand Mud Snail Detection

 Watershed Boundary

Note: Year given with a station was the that one in which the snails were first detected.

Baxter Creek (BAX030), 2009



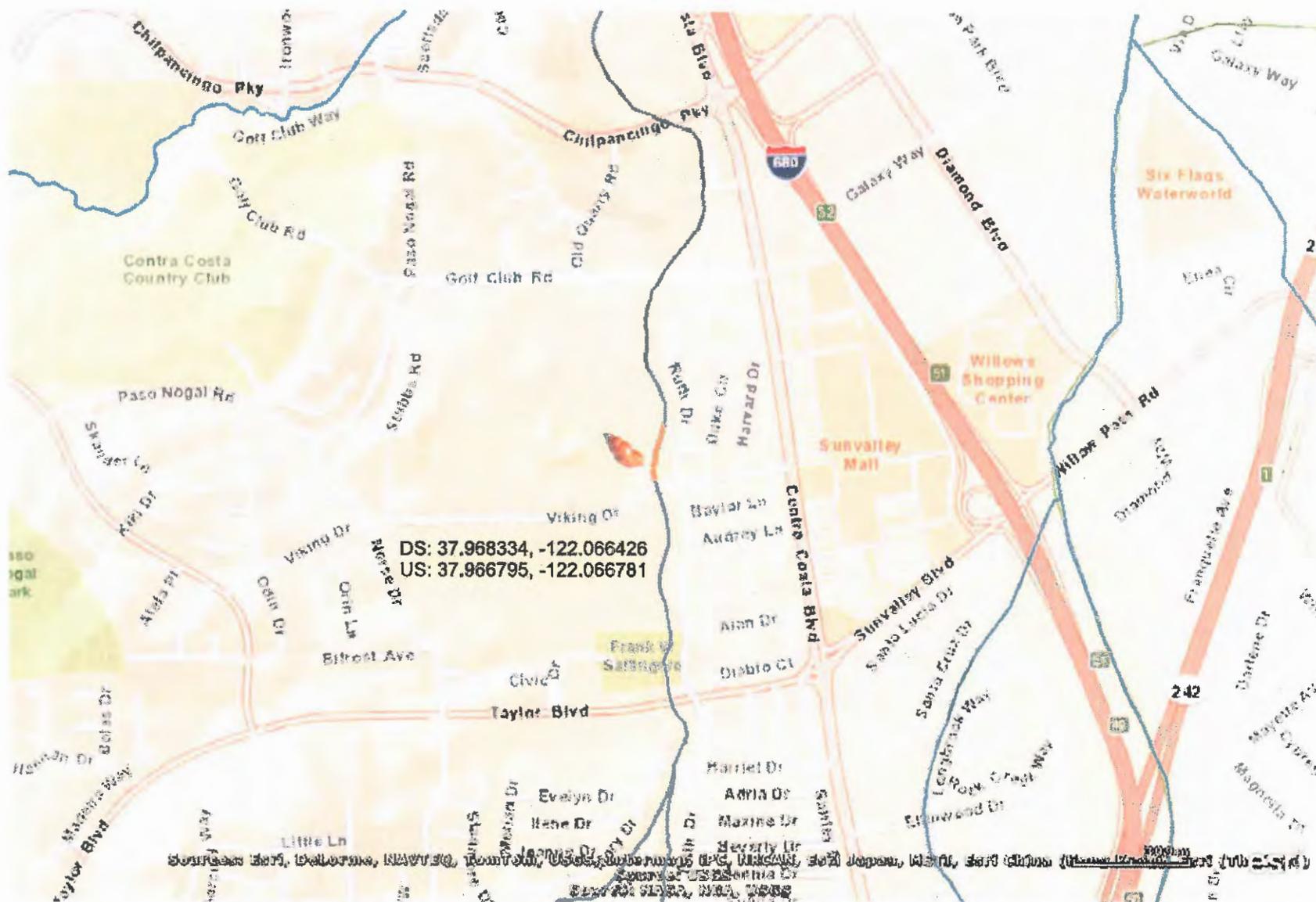
DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

— Creek (Blue-Line data)

— Mud Snail Detection

Grayson Creek (WAL050), 2011



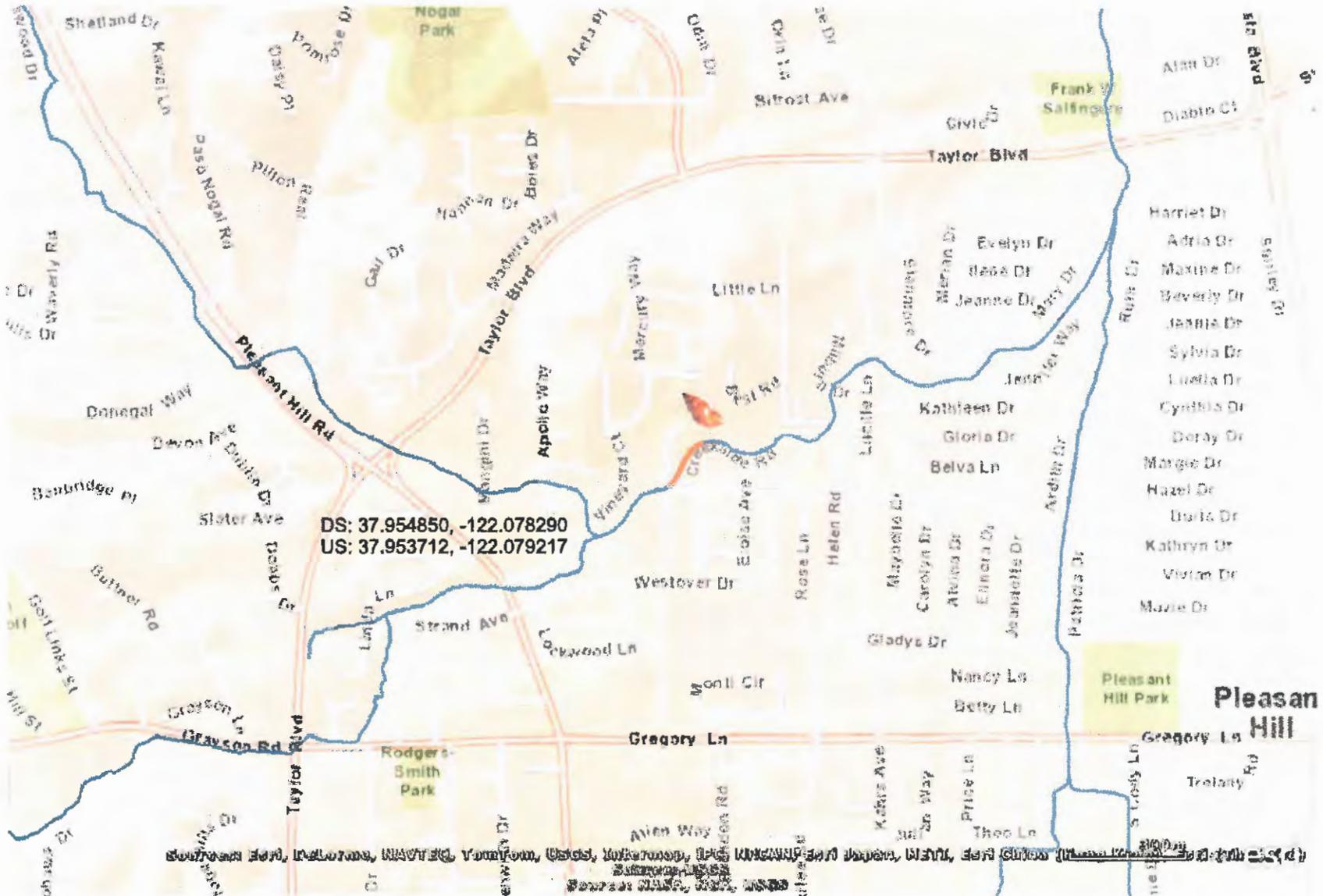
DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

— Creek (Blue-Line data)

— Mud Snail Detection

Grayson Creek (207R00011), 2012



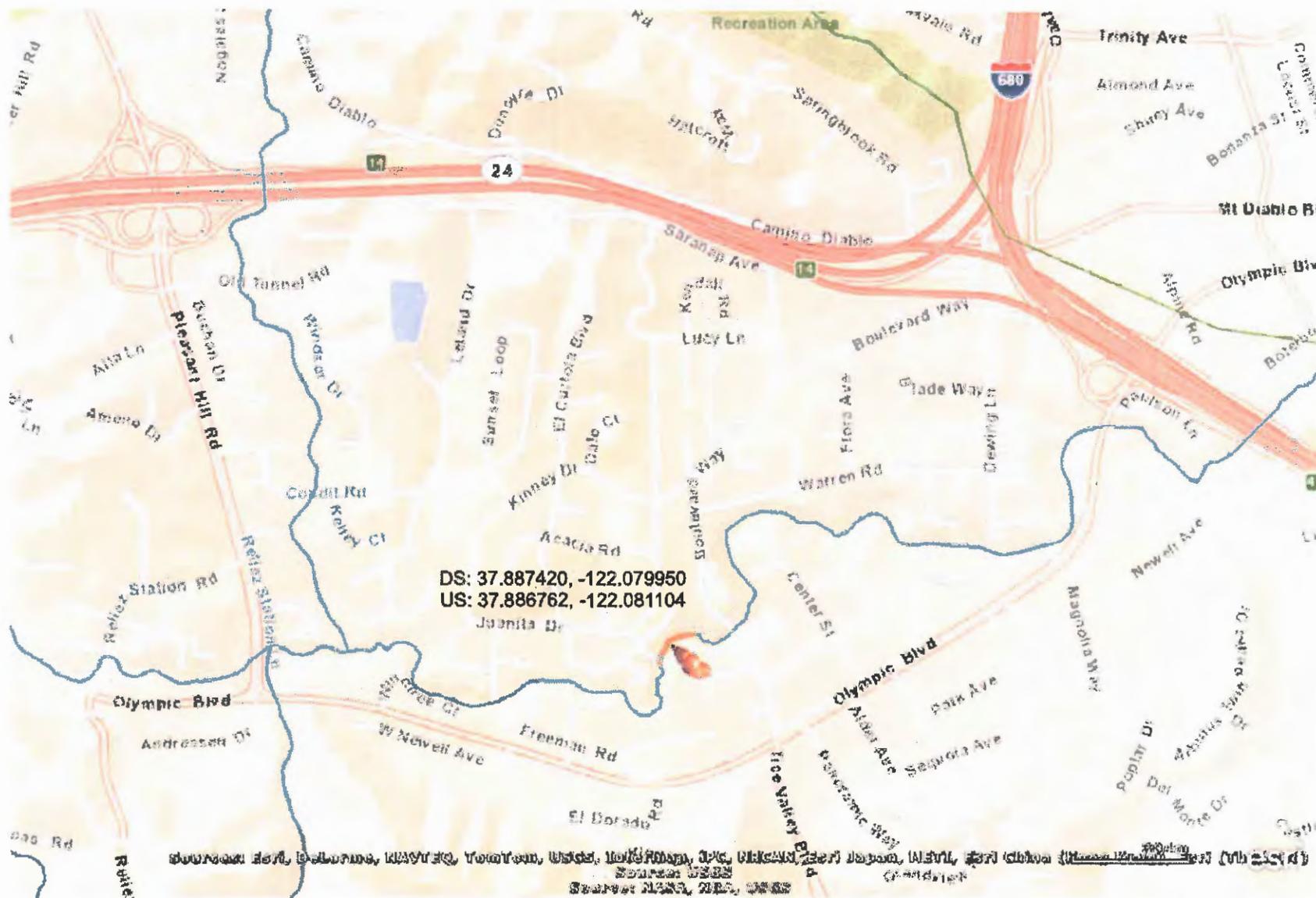
DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

— Creek (Blue-Line data)

— Mud Snail Detection

Las Trampas Creek (RMC139), 2012



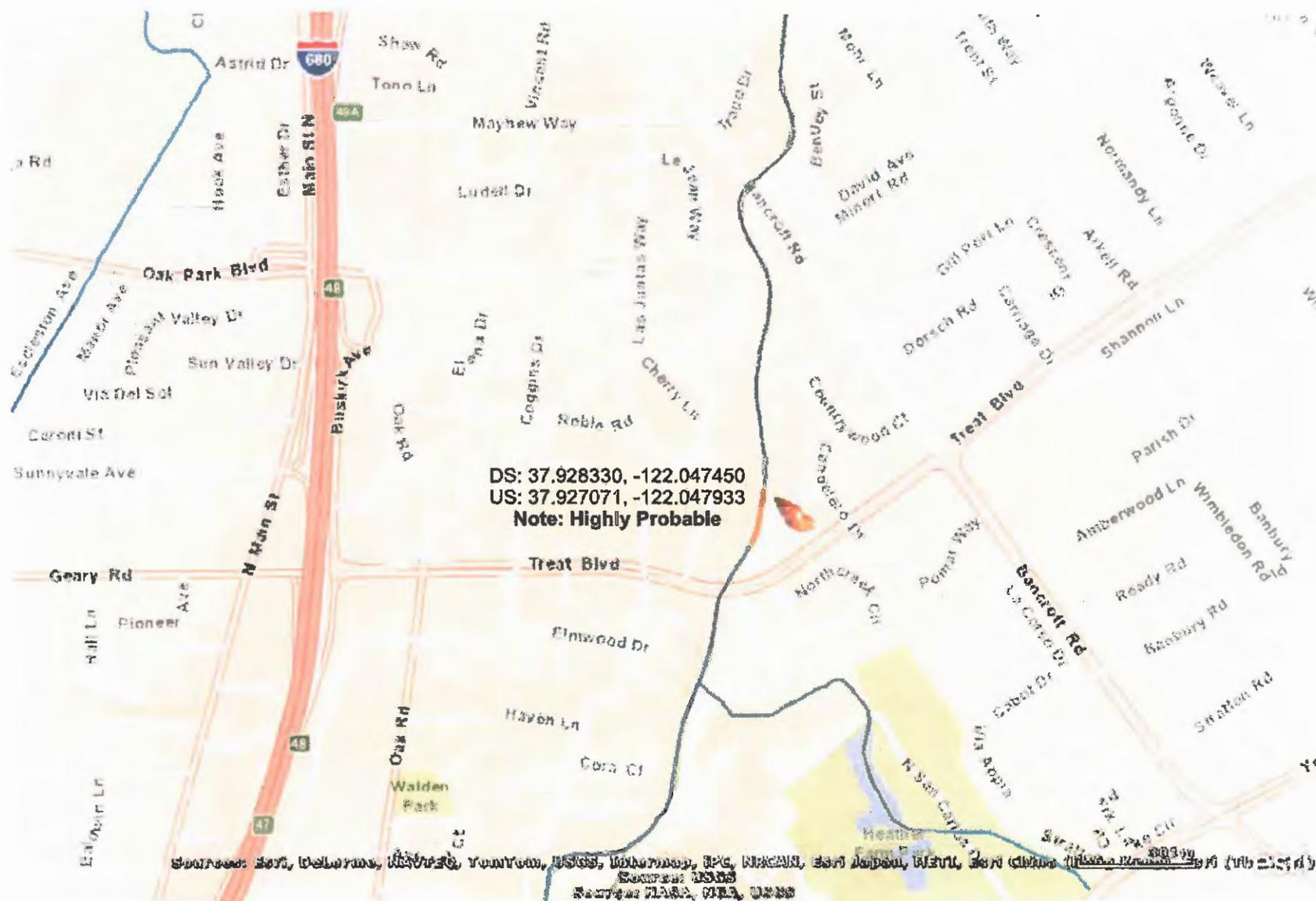
DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

 Creek (Blue-Line data)

 Mud Snail Detection

Walnut Creek (207R00247), 2012



DS: Downstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

US: Upstream Latitude, Longitude of Stream Reach where Mud Snails were detected.

 Creek (Blue-Line data)

 Mud Snail Detection

From: mailer@groupsite.com on behalf of Beth Baldwin via Contra Costa Clean Water Program (Groupsite) <mailer@groupsite.com>
Sent: Thursday, June 05, 2014 11:25 AM
To: Laura Hoffmeister
Subject: Management Committee - New Sightings of the Invasive New Zealand Mud Snail

Management Committee
Contra Costa Clean Water Program
New Email Blast

[Update your notification preferences](#)

Think this email is off topic?

[Tell the Manager](#)



Beth Baldwin wants you to know about the following
([View Beth Baldwin's profile](#))



[CWF_7-9-2014_Agenda.pdf](#)

Dear Management Committee Members:

The highly invasive New Zealand Mud Snail was discovered this past month in Mount Diablo Creek. As a result of this new sighting and other factors, the Contra Costa Watershed Forum will be holding a workshop on the mud snail and other invasive species followed by a site visit to a nearby creek to look for mud snails and review and practice decontamination procedures.

A similar email about this workshop will also be sent to the Monitoring Committee and Municipal Operations Committee.

Please contact Program staff members Beth Baldwin (925-313-2164) or Lucile Paquette (925-313-2373) if you have any questions.

Sincerely,

Beth A. Baldwin

Watershed Management Planning Specialist

Contra Costa Clean Water Program

255 Glacier Drive

Martinez, CA 94553

Tel: (925) 313-2164

E-mail: bbald@pw.eccounty.us

Laura Hoffmeister

From: Mark Janney <mjanney@ci.clayton.ca.us>
Sent: Wednesday, November 12, 2014 2:50 PM
To: lhoffmeister@ci.clayton.ca.us
Subject: RE: New Zealand Mud Snail

Laura

This information on the New Zealand Mud Snail has been relayed to the Maintenance Staff (full time and seasonal) and will be part of the ongoing education and training for working in the creeks. All contractors that work in the creeks for the City will be made aware of this information also before work starts. Mark

From: Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]
Sent: Friday, June 27, 2014 12:58 PM
To: mjanney@ci.clayton.ca.us; jjohnston@ci.clayton.ca.us
Subject: FW: New Zealand Mud Snail
Importance: High

Mark and John

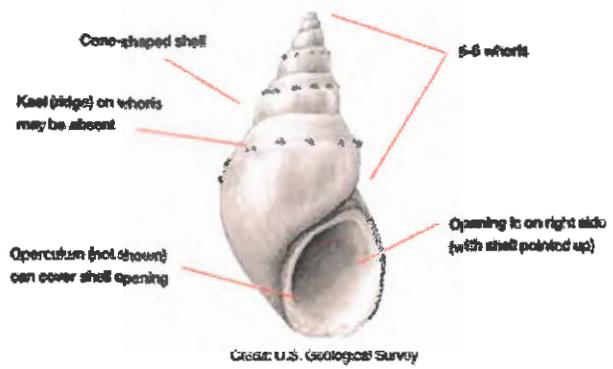
Please be advised the New Zealand mud snail has arrived in Clayton in the Mt Diablo creek I think between the second and third bridge – the coordinates it has been logged into the USGS data base mapping is below (I think we are now the 4th location in County to have : Antioch (West Antioch Creek below Contra Loma) , Pleasant Hill (Grayson Creek), Walnut Creek (Sarnap area), and now Clayton – Mt Diablo Creek

Mt. Diablo Creek, north of Clayton Library adjacent to public trail (37°56'44.26"N, 121°56'19.48"W)

Specimen ID: 630844
Specimen Type: New Zealand mudsnail
Description: Mt. Diablo Creek, north of Clayton Library adjacent to public trail
State/Province: CA
County: Contra Costa
Year: 2014
[View Additional Data for this specimen](#)

We must ensure any activity in creeks we follow all decontamination procedures for clothing and equipment (including shovels, hand tools) etc.
The review of what the snails are need to be gone over again now, and done quarterly thereafter, and when ever a new employee arrives they need to be trained on what they look like and how to decontaminate etc – looks like the last time was in 2012

– just because it is in this one area the state believes it could be elsewhere it just happened that this was the location they took a water sample at. We are now on the monitoring radar screen for this



Laura

Here's a link for the USGS's mudsnail map:

<http://nas.er.usgs.gov/taxgroup/mollusks/newzealandmudsnaildistribution.aspx>.

**Standard General Specification Information for
Road Repair and Construction Contracts**

STORMWATER POLLUTION PREVENTION

Stormwater Protection for Construction Contracts

Stormwater Pollution Prevention for Sawcut Slurry

Fresh Concrete and Mortar Application

Painting and Application of Solvents and Adhesives

Pollution Prevention – It's Part of the Plan

RECYCLING OF CONSTRUCTION & DEMOLITION MATERIALS

C&D Waste Recovery and Disposal

Republic Services on site C&D services

C&D Waste Recovery Management Plan

**STORMWATER PROTECTION and STORM WATER POLLUTION CONTROL MEASURES for
CITY OF CLAYTON**

CONSTRUCTION CONTRACTS

The attached following is being included in construction contracts awarded by City of Clayton. Its purpose is to provide detailed instructions to contractors to insure that construction practices do not cause pollutant discharges to the storm drain system. Businesses and institutions are encouraged to use this or similar language in their contracts as well. The language is based upon best management practices (BMPs) presented in the *California Storm Water Best Management Practice Handbook—Construction Activity* and the Regional Water Quality Control Board's (RWQCB's) *Erosion and Sediment Control Field Manual*.

The language was produced originally in 1994 by the City of Palo Alto where it was a companion to a new ordinance specifically prohibiting construction related discharges to storm drains and adding administrative penalty authority (fines). The language was revised in 2001 for circulation to member agencies of the Bay Area Storm Water Management Agencies Association.

The goal of these requirements is to prevent the pollution of storm water runoff from construction projects by keeping pollutants out of storm drains, reducing the exposure and discharge of materials and wastes to storm water, and by reducing erosion and sedimentation. Storm drains discharge runoff directly to creeks and the Bay without treatment. The City of Clayton is required under its stormwater discharge NPDES permit from the Regional Water Quality Control Board (RWQCB) to reduce pollutants in stormwater runoff from construction sites to the maximum extent practicable.

A. General Requirements

The following requirements shall be met on all projects for the City of Clayton. All contractors and subcontractors working on City of Clayton projects are required at a minimum to comply with the pollution control measures attached. Depending on the work scope the City Engineer may require additional BMP measures.

1) Employee and Subcontractor Training and Awareness

- a. The CONTRACTOR shall train all employees/subcontractors on the storm water pollution prevention requirements contained in these Specifications.
- b. The CONTRACTOR shall inform subcontractors of the storm water pollution prevention contract requirements and include appropriate subcontract provisions to ensure that these requirements are met.

c. The CONTRACTOR shall label new storm drain inlets, constructed as part of the project, with the “No Dumping Drains to Creek” message (to obtain a stencil or marker, contact the City of Clayton Maintenance staff).

2) Nonhazardous Material / Waste Management

a. Designated Area

The CONTRACTOR shall propose designated areas of the project site, for approval by the ENGINEER, suitable for material delivery, storage, and waste collection that are near construction entrances and away from storm drain inlets, gutters, drainage courses, and creeks.

b. Granular Material

i) The CONTRACTOR shall store granular material at least ten feet away from storm drain inlet and curb returns.

ii) The CONTRACTOR shall not allow granular material to enter the storm drains or creeks.

iii) When rain is forecast within 24 hours or during wet weather, the ENGINEER may require the CONTRACTOR to cover granular material with a tarpaulin and to surround the material with sand bags.

c. Dust Control

i) The CONTRACTOR shall use water to control dust on a daily basis or as directed by the ENGINEER.

d. Street Sweeping

i) At the end of each working day or as directed by the ENGINEER, the CONTRACTOR shall clean and sweep roadways and on-site paved areas to remove all materials attributed to or involved in the work. The CONTRACTOR shall not use water to flush down streets in place of street sweeping.

e. Recycling

i) The CONTRACTOR shall recycle aggregate base material, asphalt concrete, and Portland cement concrete.

ii) In addition, to the maximum extent practicable, the CONTRACTOR shall reuse or recycle any useful construction materials generated during the project.

f. Disposal

- i) At the end of each working day, the CONTRACTOR shall collect all scrap, debris, and waste material, and dispose of such materials properly.
- ii) The CONTRACTOR shall inspect dumpsters for leaks and contact trash hauling contractors to replace or repair dumpsters that leak.
- iii) The CONTRACTOR shall not discharge water on-site from cleaning dumpsters.
- iv) The CONTRACTOR shall arrange for regular waste collection before dumpsters overflow.

3) Hazardous Material / Waste Management

a. Storage

- i) The CONTRACTOR shall label and store all hazardous materials, such as pesticides, paints, thinners, solvents, and fuels; and all hazardous wastes, such as waste oil, antifreeze and mercury containing devices such as thermostats and fluorescent light bulbs in accordance all applicable local, State and Federal regulations.
- ii) The CONTRACTOR shall store all hazardous materials and all hazardous wastes in accordance with secondary containment regulations, and it is recommended that these materials and wastes be covered, as needed, to avoid potential management of collected rainwater as a hazardous waste.
- iii) The CONTRACTOR shall keep an accurate, up-to-date inventory, including Material Safety Data Sheets (MSDSs), of hazardous materials and hazardous wastes stored on-site, to assist emergency response personnel in the event of a hazardous materials incident.

b. Usage

- i) When rain is forecast within 24 hours or during wet weather, the ENGINEER may prevent the CONTRACTOR from applying chemicals in outside areas.
- ii) The CONTRACTOR shall not over-apply pesticides or fertilizers and shall follow material manufacturers' instructions regarding uses, protective equipment, ventilation, flammability, and mixing of chemicals. Over-application of a pesticide constitutes a "label violation" subject to an enforcement action by your local County Agricultural Commissioner.

c. Disposal

- i) The CONTRACTOR shall arrange for regular hazardous waste collection to comply with time limits on storage of hazardous wastes.
- ii) The CONTRACTOR shall dispose of hazardous waste only at authorized and permitted Treatment, Storage, and Disposal Facilities, and use only licensed hazardous waste haulers to remove the waste off-

site, unless quantities to be transported are below applicable threshold limits for transportation specified in State and Federal regulations.

iii) If the CONTRACTOR qualifies as a "Conditionally Exempt Small Quantity Generator" as defined under State and Federal regulations then the CONTRACTOR may be able to dispose of this waste through a local sponsored small quantity generator program. Contact your local hazardous waste management agency for information on these programs.

4) Spill Prevention and Control

a. The CONTRACTOR shall keep a stockpile of spill cleanup materials, such as rags or absorbents, readily accessible on-site, and ensure that all employees know where these materials are and how to use them.

b. The CONTRACTOR shall immediately contain and prevent leaks and spills from entering storm drains, and properly clean up and dispose of the waste and cleanup materials. If the waste is hazardous, the CONTRACTOR shall handle the waste as described in section A.3.c above.

c. The CONTRACTOR shall not wash any spilled material into streets, gutters, storm drains, or creeks and shall not bury spilled hazardous materials.

d. The CONTRACTOR shall report any hazardous materials spill to the local fire department.

B. Activity-Specific Requirements

The following requirements shall be met on all projects for the City of Clayton that include the listed activities.

1) Dewatering Operations

a. Sediment Control

i) The CONTRACTOR shall route water through a control measure, such as a sediment trap, sediment basin, or Baker tank, to remove settleable solids prior to discharge to the storm drain system.

ii) Approval of the control measure shall be obtained in advance from the ENGINEER.

iii) Filtration of the water following the control measure may be required on a case-by-case basis.

iv) If the ENGINEER determines that the dewatering operation would not generate an appreciable amount of settleable solids, the control measure requirement in i) above may be waived.

v) The CONTRACTOR shall reuse water for other needs, such as dust control or irrigation, to the maximum extent practicable.

b. Contaminated Groundwater

i) If the project is within an area of known groundwater contamination, then water from dewatering operations shall be tested prior to discharge. If the water quality meets Regional Water Quality Control

Board (RWQCB) standards, then it may be discharged to the storm drain. If the water quality meets local sanitary sewer pretreatment regulations, then it may be discharged to the sanitary sewer with prior approval from the local wastewater management authority. Otherwise, the water shall be treated or hauled off-site for proper disposal.

ii) If the project is not within an area of known groundwater contamination, then monitoring shall only be required if directed by the ENGINEER. The CONTRACTOR shall follow section B.1.b.i above, if contamination is found.

iii) If the project is found to be within an area of groundwater contamination not identified in the project specifications, a change order shall be negotiated to cover additional work performed by the CONTRACTOR.

2) Paving Operations

a. Project Site Management

i) When rain is forecast within 24 hours or during wet weather, the ENGINEER may prevent the CONTRACTOR from paving.

ii) The ENGINEER may direct the CONTRACTOR to protect drainage courses by using control measures, such as earth dike, and sand bag, to divert runoff or trap and filter sediment.

iii) The CONTRACTOR shall place drip pans or absorbent material under paving equipment when not in use.

iv) The CONTRACTOR shall cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.

v) If the paving operation includes an on-site mixing plant, the CONTRACTOR shall comply with General Industrial Activities Storm Water Permit requirements.

b. Paving Waste Management

i) The CONTRACTOR shall not sweep or wash down excess sand (placed as part of a sand seal or to absorb excess oil) into gutters, storm drains, or creeks. Instead, the CONTRACTOR shall either collect the sand and return it to the stockpile, or dispose of it in a trash container.

ii) The CONTRACTOR shall not use water to wash down asphalt or concrete pavement.

iii) Marking paint shall be removed from paving using dry methods such as a wire brush and vacuum. If water is used, all wastewater shall be collected and disposed of to a dirt area or to the sanitary sewer.

3) Saw Cutting

a. During saw cutting, the CONTRACTOR shall cover or barricade storm drain inlets using control measures, such as filter fabric, straw bales, sand bags, and fine gravel dams, to keep slurry out of the

storm drain system. When protecting a storm drain inlet, the CONTRACTOR shall ensure that the entire opening is covered.

b. The CONTRACTOR shall shovel, absorb, or vacuum saw cut slurry and pick up the waste prior to moving to the next location or at the end of each working day, whichever is sooner.

c. If saw cut slurry enters storm drain inlets, the CONTRACTOR shall remove the slurry from the storm drain system immediately.

4) Contaminated Soil Management

a. On all projects involving grading or excavation, the CONTRACTOR shall look for contaminated soil as evidenced by site history, discoloration, odor, differences in soil properties, abandoned underground tanks or pipes, or buried debris. If the project is not within an area of known soil contamination and no evidence of soil contamination is found, then testing of the soil shall only be required if directed by the ENGINEER. The CONTRACTOR shall follow section B.4.b below, if contamination is found.

b. If the project is within an area of known soil contamination or evidence of soil contamination is found, then soil from grading or excavation operations shall be tested. The soil shall be managed as required by the local hazardous waste management agency.

c. If the project is found to be within an area of soil contamination not identified in the project specifications, a change order shall be negotiated to cover additional work performed by the CONTRACTOR.

5) Concrete, Grout, and Mortar Waste Management

a. The CONTRACTOR shall store concrete, grout, and mortar away from drainage areas and ensure that these materials do not enter the storm drain system.

b. Concrete Truck/Equipment Wash Out

i) The CONTRACTOR shall not wash out concrete trucks or equipment into streets, gutters, storm drains, or creeks.

ii) The CONTRACTOR shall perform washout of concrete trucks or equipment off-site or in a designated area on-site where the water will flow onto dirt or into a temporary pit in a dirt area. The CONTRACTOR shall let the water percolate into the soil and dispose of the hardened concrete in a trash container. If a suitable dirt area is not available, then the CONTRACTOR shall collect the wash water and remove it off-site.

c. Exposed Aggregate Concrete Wash Water

i) The CONTRACTOR shall avoid creating runoff by draining water from washing of exposed aggregate concrete to a dirt area to percolate and evaporate. If a suitable dirt area is not available, then the

CONTRACTOR shall filter the wash water or allow solids to settle out and pump the water to a sanitary sewer (first check with your local wastewater authority).

ii) The CONTRACTOR shall collect and return sweepings from exposed aggregate concrete to a stockpile or dispose of the waste in a trash container.

6) Painting

a. Painting Cleanup

i) Designated Area

(a) The CONTRACTOR shall conduct cleaning of painting equipment and tools in a designated area that will not allow run-on of storm water or runoff of spills.

(b) The CONTRACTOR shall not allow wash water from cleaning of painting equipment and tools to drain into streets, gutters, storm drains, or creeks.

ii) Water-based Paint

(a) The CONTRACTOR shall remove as much excess paint as possible from brushes, rollers, and equipment before starting cleanup.

(b) To the maximum extent practicable, the CONTRACTOR shall dispose of wash water from aqueous cleaning of equipment and tools to the sanitary sewer.

(c) Otherwise, the CONTRACTOR shall direct wash water onto dirt area and spade in.

iii) Oil-based Paint

(a) The CONTRACTOR shall remove as much excess paint as possible from brushes, rollers, and equipment before starting cleanup.

(b) To the maximum extent practicable, the CONTRACTOR shall filter paint thinner and solvents for reuse.

(c) The CONTRACTOR shall dispose of waste thinner and solvent, and sludge from cleaning of equipment and tools as hazardous waste, as described in section A.3.c above.

b. Painting Materials and Waste Management

i) The CONTRACTOR shall store paint, solvents, chemicals, and waste materials in compliance with all applicable local, State and Federal regulations. The CONTRACTOR shall store these materials in a designated area that will not allow run-on of storm water or runoff of spills.

ii) The CONTRACTOR shall dispose of excess thinners, solvents, oil and water-based paint as hazardous waste.

iii) The CONTRACTOR shall dispose of dry, empty paint cans/buckets, old brushes, rollers, rags, and drop cloths in the trash.

7) Earthwork

a. The CONTRACTOR shall maximize the control of erosion and sediment by using the BMPs for erosion and sedimentation in the RWQCB's *Erosion and Sediment Control Field Manual*.

8) Vehicle / Equipment Cleaning

a. The CONTRACTOR shall not perform vehicle or equipment cleaning onsite or in the street using soaps, solvents, degreasers, steam cleaning equipment, or equivalent methods.

b. The CONTRACTOR shall perform vehicle or equipment cleaning offsite, or onsite with water only, in a designated, bermed area that will not allow rinse water to run off-site or into streets, gutters, storm drains, or

creeks.

9) Vehicle / Equipment Maintenance and Fueling

a. The CONTRACTOR shall perform maintenance and fueling of vehicles or equipment in a designated, bermed area or over a drip pan that will not allow run-on of storm water or runoff of spills.

b. The CONTRACTOR shall use secondary containment, such as a drip pan, to catch leaks or spills any time that vehicle or equipment fluids are dispensed, changed, or poured.

c. The CONTRACTOR shall keep a stockpile of spill cleanup materials, such as rags or absorbents, readily accessible on-site.

d. The CONTRACTOR shall clean up leaks and spills of vehicle or equipment fluids immediately and dispose of the waste and cleanup materials as hazardous waste, as described in section A.3.c above.

e. The CONTRACTOR shall not wash any spilled material into streets, gutters, storm drains, or creeks and shall not bury spilled hazardous materials.

f. The CONTRACTOR shall report any spill of vehicle fluids to City of Clayton.

g. The CONTRACTOR shall inspect vehicles and equipment arriving on-site for leaking fluids and shall promptly repair leaking vehicles and equipment. Drip pans shall be used to catch leaks until repairs are made.

h. The CONTRACTOR shall recycle waste oil and antifreeze.

i. The CONTRACTOR shall comply with local, State and Federal requirements for aboveground storage tanks.

RECYCLING OF CONSTRUCTION AND DEMOLITION MATERIALS

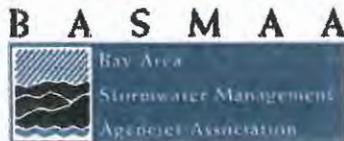
The City of Clayton expects its contractors, as part of its bid, to consider the economic benefits of recycling construction and demolition materials. As such, the Contractor shall include, as part of its contract cost, the recycling of construction and demolition materials. At least 50% of job-site waste shall be diverted from landfills.

The names of local recyclers can be obtained from Certified Facility List attached. The City of Clayton has a franchise agreement that requires Republic Services to provide on-site collection and off haul or C&D or debris boxes, otherwise the contractor may direct haul himself to a certified facility. No other hauling services other than Republic Services shall be used.

Prior to the release of retention per the "Payments Withheld" section of these Special Provisions, the Contractor shall complete and submit the "Construction and Demolition Debris Recycling Waste Management Plan" contained in the appendices. The Contractor must disclose in Section II of the form how the 50% waste diversion was achieved. Adequate evidence must include official weight tags, receipts, or similar documentation from the facility receiving the waste for recycling.

This brochure is one of a series of pamphlets describing storm drain protection measures for specific types of construction industry activities. Other pamphlets include:

- **General Construction and Site Supervision**
- **Landscaping, Gardening and Pool Maintenance**
- **Fresh Concrete and Mortar Application**
- **Roadwork and Paving**
- **Earth Moving Activities**
- **Heavy Equipment Operation**
- **Painting and Application of Solvents and Adhesives**
- **Dewatering Activities**
- **Home Repair and Remodeling**



BASMAA gratefully acknowledges the City of Palo Alto and Alameda Countywide Clean Water Program for the original concept and text of this brochure.

For more information from countywide storm drain protection programs, and additional brochures, contact the storm-water program in your area (listed below) or by calling 1-888-BAYWISE.

Local Stormwater Quality Management Programs

Alameda Countywide Clean Water Program
951 Turner Court, Hayward, CA 94545
510-670-5543

Contra Costa Clean Water Program
255 Glacier Drive, Martinez, CA 94553-4897
925-313-2380

Fairfield-Suisun Urban Runoff Management Program
1010 Chadbourne Road, Fairfield, CA 94585
707-429-8930

Marin County Stormwater Pollution Prevention Program
P. O. Box 4186
San Rafael, CA 94913
415-499-6528

San Mateo Countywide Stormwater Pollution Prevention Program
555 County Center
Redwood City, CA 94063
650-599-1408

Santa Clara Valley Urban Runoff Pollution Prevention Program
699 Town & Country Village
Sunnyvale, CA 94086
800-794-2482

Vallejo Sanitation and Flood Control District
450 Ryder Street, Vallejo, CA 94590
707-644-8949

Bay Area Stormwater Management Agencies Association (BASMAA)
1515 Clay Street, Suite 1400
Oakland CA 94612
510-622-2326 or 1-888-BAYWISE

State Agencies

California Regional Water Quality Control Board
San Francisco Bay Region (510) 622-2300

Department of Toxic Substances (for questions about hazardous waste, call the Public and Business Liaison Hotline, Regional Duty Officers at (800) 728-6942 or (800) 72TOXIC)

Storm Water Pollution Prevention for Sawcut Slurry



*Best Management Practices for the
Construction Industry*

Why is Sawcut Slurry a Problem?

The slurry created when pavement is cut can enter storm drains and flow directly to local waterways. This slurry can be toxic to wildlife in a local creek, the creek, bay or ocean. It can also clog drains and cause flooding.

CAUTION: *If sawcut slurry from your job enters a storm drain, you have broken the law!*

Allowing slurry or other pollutants to enter a storm drain, or directly to a waterway, is a violation of local, state, and federal regulations. Violators are subject to fines and cleanup costs.

By following this three-step procedure when saw cutting you can protect the storm drain system, help environment, and avoid fines.

Minimize and Contain Slurry

Before you begin saw cutting, block the path to the nearest storm drain by placing sand bags (or equivalent) in the gutter or around the storm drain inlet. If you can lift the grate over the drain, place filter fabric underneath.

Even if the nearest drain is several blocks away, place a barrier in the gutter as near your site as practical to contain the slurry.

Use as little water as possible, to reduce the amount of slurry you must collect.

Barricade area where slurry is drying to prevent tracking by cars and foot traffic.

Collect Slurry

Clean up slurry with a wet vac as you work. Where wet slurry cannot be vacuumed, allow it to dry and then sweep up with a stiff broom at the end of the day.

Dispose of Slurry

Empty wet slurry into a well-contained area (where it will not run off into a gutter, street, or creek) and allow it to dry. A small amount of slurry may be mixed with dirt and left on the construction site. Where this is not possible, sweep up the dry slurry and dispose in the trash.

Small Business Hazardous Waste Disposal Program

Businesses that generate less than 27 gallons or 220 pounds of hazardous waste per month (known as Conditionally Exempt Small Quantity Generators) can often take advantage of a county-wide small business hazardous waste disposal program. Call your local stormwater program (see numbers listed below,) county health department, or local fire department for more information

Local Stormwater Quality Management Programs

Alameda Countywide Clean Water Program
951 Turner Court, Hayward, CA 94545
510-670-5543

Contra Costa Clean Water Program
255 Glacier Drive, Martinez, CA 94553-4897
925-313-2360

Fairfield-Suisun Urban Runoff Management Program
1010 Chadbourne Road, Fairfield, CA 94585
707-429-8930

Marin County Stormwater Pollution Prevention Program
P. O. Box 4186
San Rafael, CA 94913
415-499-6528

San Mateo Countywide Stormwater Pollution Prevention Program
555 County Center
Redwood City, CA 94063
650-599-1406

Santa Clara Valley Urban Runoff Pollution Prevention Program
699 Town & Country Village
Sunnyvale, CA 94086
800-794-2482

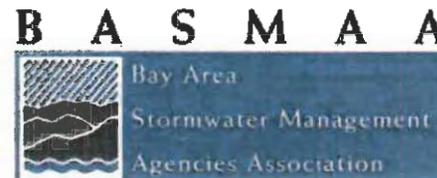
Vallejo Sanitation and Flood Control District
450 Ryder Street, Vallejo, CA 94590
707-644-8949

Bay Area Stormwater Management Agencies Association (BASMAA)
1515 Clay Street, Suite 1400
Oakland CA 94612
510-622-2328 or 1-888-BAYWISE

State Agencies

California Regional Water Quality Control Board
San Francisco Bay Region (510) 622-2300

Department of Toxic Substances (for questions about hazardous waste, call the Public and Business Liaison Hotline, Regional Duty Officers at (800) 728-6942 or (800) 72TOXIC



TO LEARN MORE CALL 1-888-BAYWISE

BASMAA gratefully acknowledges the Santa Clara Valley Urban Runoff Pollution Prevention Program for the original concept and text of this brochure.

July 2002

June 2001

Fresh Concrete and Mortar Application

Best Management Practices for the Construction Industry



Who should use this brochure?

- Masons and bricklayers
- Sidewalk construction crews
- Patio construction workers
- Construction inspectors
- General contractors
- Home builders
- Developers
- Concrete delivery/pumping workers

Preventing Pollution: It's Up to Us

In the San Francisco Bay Area, storm drains transport water directly to local creeks and the Bay without treatment. Stormwater pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or baylands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; sediment created by erosion; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.



Storm Drain Pollution from Fresh Concrete and Mortar Applications

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks can block storm drains, causes serious problems, and is prohibited by law.

Doing the Job Right

General Business Practices

- Wash out concrete mixers only in designated wash-out areas in your yard, away from storm drains and waterways, where the water will flow into a temporary waste pit in a dirt area. Let water percolate through soil and dispose of settled, hardened concrete as garbage. Whenever possible, recycle washout by pumping back into mixers for reuse.
- Wash out chutes onto dirt areas at site that do not flow to streets or drains.
- Always store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Protect dry materials from wind.
- Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfall, and runoff.
- Do not use diesel fuel as a lubricant on concrete forms, tools, or trailers.



During Construction

- Don't mix up more fresh concrete or cement than you will use in a two-hour period.
- Set up and operate small mixers on tarps or heavy plastic drop cloths.
- When cleaning up after driveway or sidewalk construction, wash fines onto dirt areas, not down the driveway or into the street or storm drain.
- Protect applications of fresh concrete and mortar from rainfall and runoff until the material has dried.
- Wash down exposed aggregate concrete only when the wash water can (1) flow onto a dirt area; (2) drain onto a bermed surface from which it can be pumped and disposed of properly; or (3) be vacuumed from a catchment created by blocking a storm drain inlet. If necessary, divert runoff with temporary berms. Make sure runoff does not reach gutters or storm drains.
- When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Recycle large chunks of broken concrete at a landfill.
- Never bury waste material. Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- Never dispose of washout into the street, storm drains, drainage ditches, or streams.

Small Business Hazardous Waste Disposal Program

Businesses that generate less than 27 gallons or 220 pounds of hazardous waste per month (known as Conditionally Exempt Small Quantity Generators) can often take advantage of a county-wide small business hazardous waste disposal program. Call your local stormwater program (see numbers listed below,) county health department, or local fire department for more information

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TO LEARN MORE CALL 1-888-BAYWISE

BASMAA gratefully acknowledges the Santa Clara Valley Urban Runoff Pollution Prevention Program for the original concept and text of this brochure.

Painting and Application of Solvents and Adhesives

Best Management Practices for the Construction Industry



Who should use this brochure?

- Painters
- Homeowners
- Paperhangers
- Plasterers
- Graphic artists
- Dry wall crews
- Floor covering installers
- General contractors
- Home builders
- Developers

Preventing Pollution: It's Up to Us

In the San Francisco Bay Area, storm drains transport water directly to local creeks and the Bay without treatment. Stormwater pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or baylands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; sediment created by erosion; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.



Storm Drain Pollution from Paints, Solvents, and Adhesives

All paints, solvents, and adhesives contain chemicals that are harmful to wildlife in local creeks, San Francisco Bay, and the Pacific Ocean. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. Paint material and wastes, adhesives and cleaning fluids should be recycled when possible, or disposed of properly to prevent these materials from flowing into storm drains and watercourses.

Doing the Job Right

Handling Paint Products

- Keep all liquid paint products and wastes away from the gutter, street, and storm drains. Liquid residues from paints, thinners, solvents, glues, and cleaning fluids are hazardous wastes and must be disposed of at a hazardous waste collection facility (contact 1-888-BAYWISE for more information).
- When thoroughly dry, empty paint cans, used brushes, rags, and drop cloths may be disposed of as garbage in a sanitary landfill. Empty, dry paint cans also may be recycled as metal.

Recycle/Reuse Leftover Paints Whenever Possible.

- Recycle or donate excess water-based (latex) paint, or return to supplier.
- Reuse leftover oil-based paint. Dispose of non-recyclable thinners, sludge and unwanted paint, as hazardous waste.
- Unopened cans of paint may be able to be returned to the paint vendor. Check with the vendor regarding its "buy-back" policy.
- To locate local paint recycling facilities call 1-800-CLEANUP or go to www.cleanup.org

Painting Cleanup

- Never clean brushes or rinse paint containers into a street, gutter, storm drain, French drain, or stream.
- For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids and residue as hazardous waste.

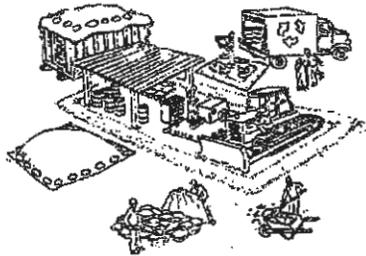
Paint Removal and Building Cleaning

- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury or tributyl tin must be disposed of as hazardous wastes. Lead based paint removal requires a state-certified contractor.
- Wash water from painted buildings constructed before 1978 can contain high amounts of lead, even without paint chips. Before you begin pressure washing or stripping pre-1978 building exteriors, test paint for lead by taking paint scrapings to a local laboratory. See Yellow Pages for a state-certified laboratory.
- When stripping or cleaning building exteriors with high-pressure water, block storm drains. Direct wash water onto a dirt area and spade into soil. Or, check with the local wastewater treatment authority to find out if you can collect (mop or vacuum) building cleaning water and dispose to the sanitary sewer. Sampling of the water may be required to assist the wastewater treatment authority in making its decision.

Pollution Prevention — It's Part of the Plan

Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with local ordinance requirements.



Materials storage & spill cleanup

Non-hazardous materials management

- ✓ Sand, dirt, and similar materials must be stored at least 10 feet from catch basins, and covered with a tarp during wet weather or when rain is forecast.
- ✓ Use (but don't overuse) reclaimed water for dust control as needed.
- ✓ Sweep streets and other paved areas daily. Do not wash down streets or work areas with water!
- ✓ Recycle all asphalt, concrete, and aggregate base material from demolition activities.
- ✓ Check dumpsters regularly for leaks and to make sure they don't overflow. Repair or replace leaking dumpsters promptly.

Hazardous materials management

- ✓ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, state, and federal regulations.
- ✓ Store hazardous materials and wastes in secondary containment and cover them during wet weather.
- ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✓ Report any hazardous materials spills immediately! Dial 911 or your local emergency response number.

Vehicle and equipment maintenance & cleaning

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rainwater to run into gutters, streets, storm drains, or creeks.
- ✓ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



Dewatering operations

- ✓ Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ✓ Be sure to call your city's storm drain inspector before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✓ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the city inspector to determine what testing to do and to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.



Concrete, grout, and mortar storage & waste disposal

- ✓ Be sure to store concrete, grout, and mortar under cover and away from drainage areas. These materials must never reach a storm drain.
- ✓ Wash out concrete equipment/trucks off-site or designate an on-site area for washing where water will flow onto dirt or into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash.

Saw cutting

- ✓ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- ✓ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner).
- ✓ If saw cut slurry enters a catch basin, clean it up immediately.



- ✓ Divert water from washing exposed aggregate concrete to a dirt area where it will not run into a gutter, street, or storm drain.
- ✓ If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.

Earthwork & contaminated soils

- ✓ Keep excavated soil on the site where it is least likely to collect in the street. Transfer to dump trucks should take place on the site, not in the street.
- ✓ Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.



- ✓ Avoid scheduling earth moving activities during the rainy season if possible. If grading activities during wet weather are allowed in your permit, be sure to implement all control measures necessary to prevent erosion.
- ✓ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✓ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.

- ✓ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Regional Water Quality Control Board or local hazardous waste management agency for help in determining what testing should be done, and manage disposal of contaminated soil according to their instructions.

Paving/asphalt work



- ✓ Do not pave during wet weather or when rain is forecast.
- ✓ Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✓ Place drip pans or absorbent material under paving equipment when not in use.
- ✓ Protect gutters, ditches, and drainage courses with sand/gravel bags, or straw-ben berms.
- ✓ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.

- ✓ Do not use water to wash down fresh asphalt concrete pavement.

Painting



- ✓ Never rinse paint brushes or materials in a gutter or street!
- ✓ Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink. If you can't use a sink, direct wash water to a dirt area and spread it in.
- ✓ Paint out excess oil-based paint before cleaning brushes in thinner.
- ✓ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

City of Clayton C&D Waste Recovery and Disposal

Certified Facility List

(*Provisional authorization indicates on-site inspection of facility still required before final certification)

Disposal Facilities

Bio Fuel Systems

30 Greenville Road, Livermore.....**925-455-5908**
Clean wood, green waste, tree stumps, and shingles (no tar paper).

County Quarry Products (Provisional)

5501 Imhoff Rd, Martinez **925-882-0707**
Concrete, asphalt, and dirt.

GreenWaste Recovery Facility

625 Charles Street, San José**408-263-4800**
C&D materials accepted from GT Waste, Green waste Recovery

Newby Island Landfill

1601 Dixon Landing Road, San José ..**408-262-1401**
Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, carpet, green waste, and block foam.

Zanker Materials Processing Facility

675 Los Esteros Road, San José.....**408-263-2384**
Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.

Contra Costa Transfer/Recovery Facility

951 Waterbird Way, Martinez **925-458-9800**
Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.

Acme Fill Corporation (Provisional)

950 waterbird way, Martinez **925-228-7099**
Separated metal, wood, soil, and mixed C&D Loads

Contra Costa Recycling Center & Transfer

1300 Loveridge Rd, Pittsburg **925-473-0180**
Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.

Davis Street Station for Material Recycling

2615 Davis St, San Leandro **510-563-4257**
Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.

Vasco Rd Landfill & Recycling Center

4001 N. Vasco Rd, Livermore **925-447-0491**
Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.

Hay Road Compost Facility/Landfill

6426 Hay Road, Vacaville **707-678-4718**
Clean wood, green waste, tree stumps

Organic Solutions (Provisional)

1460 Goodyear rd, Benicia **707-751-0487**
Green waste, wood waste

Potrero Hills Compost Facility (Provisional)

Potrero Hills Lane, Suisun City **707-429-9600**
C&D materials accepted from GT Waste, Green waste Recovery

Pleasanton Transfer/Recovery Facility

3110 Busch rd, Pleasanton.....**925-646-2042**
Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.

Sonoma Transfer/Recovery Facility

4376 Stage Gulch Road, Sonoma**707-565-7940**
Mixed C&D materials and separated metal, wood, concrete, asphalt, gypsum, cardboard, roofing, and soil.

Woodmill Recycling Company (Provisional)

5595 Byron Hot Springs Rd
Byron, CA 94514
Green waste, wood waste, Concrete, asphalt, and dirt.

Diablo Valley Rock (Provisional)

925 Waterbird Way,
Martinez, Ca 94553 **925-228-1118**

M&M Services, Inc.

590 Caletti Ave.
Windsor, CA 94592 **877-888-8473**
Green waste, wood waste, Concrete, asphalt, and dirt.

Job Site Collection

City of Clayton has franchise
agreement that requires on site
use of Republic Services for C&D
Waste Recovery and Disposal



One-Stop Construction & Demolition Recycle Ordinance Compliance Made Easy

951 Waterbird Way
Martinez, CA 94553
(925) 313-8900

Open to the Public

Hours: 7 a.m. to 5 p.m. Daily

Except Easter, Thanksgiving, Christmas Day and New Year's Day

Directions:

From Benicia, take I-680 South over Benicia Bridge, take Marina Vista exit, go right, then right on Waterbird Way;

From Walnut Creek, take I-680 North, take Marina Vista exit, go right, then right on Waterbird Way;

From Antioch, take Highway 4 West, then I-680 North, take Marina Vista exit, go right, then right on Waterbird Way.

We Provide Proof of Recycling

Many communities have enacted local construction and demolition (C&D) recycle ordinances and require proof that your material has been recycled. **Contra Costa Transfer & Recovery** can provide you with the documentation you need to comply. Here's all you need to do:

Step #1 Make sure your load has a minimum of 50% recycle material mixed with trash or a 100% clean (no trash) single source load. See information below.

Step #2 Tell the scale house operator you need "Construction and Demolition Recycle Ordinance" on your weight ticket.

Step #3 Your weight ticket will be your receipt to comply with local C&D recycle ordinances.

It's that easy!!

Mixed Construction & Demolition Loads

Up to half (50%) of the load can be trash. However, at least 50% of the load **MUST** contain a combination of the following recycle materials:

- Cardboard – no wax-coated materials
- Carpet padding
- Lumber – dimensional lumber, lumber cutoffs, plywood, particleboard, wood scraps, pallets, fencing siding, cabinets
- Shake roofing
- Metals (ferrous and nonferrous) – metal doors, office furniture, fixtures, and framing, appliances, heaters, refrigerators, freezers, washers, dryers, air conditioners and any other scrap metal flashing. All Freon must be removed. There will be an extra charge for Freon removal.
- Sheetrock, drywall, plasterboard, wallboard
- Yard waste – branches and trees, lawn clippings, brush, prunings
- Painted wood

UNACCEPTABLE MATERIAL includes liquids, heavy steel plates, concrete, asphalt, rock, concrete tile roofing, creosote treated wood (railroad ties, telephone poles, pressure treated wood), hazardous waste including computer monitors and televisions.

Source Separated Construction and Demolition Loads

You can bring a clean load of only metal, wood, lumber or green waste. The load must contain 100% of only one of these materials and contain **NO** garbage.

We Help You Recycle Construction and Demolition Debris

Allied Waste Services has the expertise and services that make it easier for builders and contractors to comply with laws that regulate the recycling and diversion of construction and demolition (C&D) debris from landfills.

Complying with Regulations

Allied Waste Service's staff will help you deal with the different rules and regulations in the communities where you do business and make recycling construction and demolition debris easier for you.

We can help your company cut through the red tape and paperwork and make sure you receive your proper documentation and what you deliver to us meets all local regulations. Call (925) 603-1383 with any questions.

Single-Source, Separated Debris: Lower Rates

Customers can save by delivering single-source loads. These loads must contain only one kind of recyclable material. No garbage of any kind is allowed.

To create single-source loads and qualify for lower rates, customers must separate debris and construction material and place each type of material in individual debris boxes, i.e., a debris box for wood, another for metal, another for concrete and so on.

The following are accepted for single-source loads:

- Asphalt
- Concrete
- Dirt
- Green waste
- Metals (ferrous and nonferrous)
- Lumber
- Paper and cardboard
- Wood

Please note: Contaminated debris boxes will be treated as garbage and charged at standard garbage rates. Call (925) 603-1383 for details and information

about the debris you are planning to recycle with Allied Waste Services.

Commingled Loads

To comply with local construction and demolition debris ordinances, customers must fill 50 percent or more of their debris boxes with recyclable materials. Recyclables can be any or a combination of the following:

- Cardboard
- Carpet padding
- Green waste
- Lumber and wood, including painted wood
- Metals
- Shake roofing
- Sheetrock, drywall, plasterboard, wallboard
- Small pieces and quantities of asphalt paving, concrete and rocks

Unacceptable materials in mixed loads include liquids, heavy steel plates, concrete tile roofing, creosote treated wood (railroad ties, utility poles, pressure-treated wood), hazardous wastes, including computer monitors and televisions.

Debris Box Service

To order a debris box and for more information about recycling construction and demolition debris, call us at (925) 603-1383.

PRESORTED
PRECLASS
WASTE
RECYCLING
PERMIT NO. 122



ALLIED WASTE SERVICES
441 N. Buchanan Circle
Pacheco, CA 94653
<http://awesco.com>

RECYCLE CONSTRUCTION & DEMOLITION DEBRIS



AW AKA
Republic
Services
ALLIED WASTE SERVICES

(925) 603-1383

Printed on Recycled Paper



Recycling Options



Asphalt Paving (and Roofing)

Black or brown, tar-like material mixed with aggregate used as a paving material. Also composite shingles or other roofing material made with asphalt. (Prefer 2 ft. x 2 ft. x 1 ft. pieces.) No bricks.



Cardboard

Corrugated cardboard boxes. No wax-coated materials.



Carpet Padding

Used carpet padding and remnants of padding from newly installed carpeting.



Concrete

Material made from sand, aggregate gravel, cement mix and water, including pieces of building foundations, concrete paving, and concrete blocks. (Prefer 2 ft. x 2 ft. x 1 ft. pieces; small amount of rebar OK.)



Drywall (Gypsum Board)

Interior wall covering made of a sheet of gypsum sandwiched between paper layers. Gypsum board may be called sheetrock, drywall, plasterboard, gyproc, wallboard. Must be clean. No wire meshing, paper or cardboard.



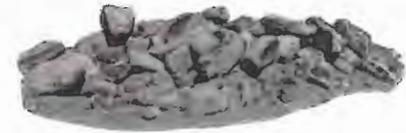
Lumber

Processed wood for building, manufacturing, landscaping, packaging and from demolition including lumber cutoffs, plywood and particleboard, wood scraps, pallets, fencing, shake roofing, siding. No creosote or lead-based paint. Nails OK.



Metals

All ferrous and non-ferrous metals. Office furniture and fixtures, metal doors and framing, appliances, including heaters, freezers, refrigerators and air conditioners (additional fee required).



Rocks

Stones and rocks of any size and shape including pebbles. No bricks. No sandstone.

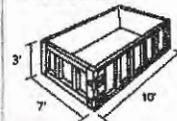


Soil and Fines

Soft, dirt, and other matter. Examples: sand, clay, silt and other fines. No rocks, sod or concrete.

DEBRIS BOX SIZES

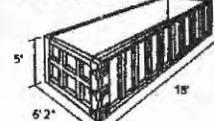
10 Cubic Yards



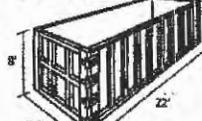
20 Cubic Yards



30 Cubic Yards



40 Cubic Yards



Guidelines

Comingle construction and recycle debris in 20-, 30- or 40-cubic-yard boxes.

Heavy-weight materials should be placed in 10-cu-

bic-yard boxes. Heavy-weight materials include:

- Asphalt
- Concrete
- Rock
- Dirt
- Sod



Yard Waste

Lawn clippings, shrubbery, plants and prunings only. No stumps or large branches and no contaminants including plastic bags, food, rocks, dirt or pet waste.



6000 Heritage Trail
 Clayton, CA 94517
 925-673-7340

**CLAYTON
 CONSTRUCTION AND
 DEMOLITION DEBRIS
 RECYCLING WASTE
 MANAGEMENT PLAN
 (WMP)**

For City Use Only
 Project No. _____

Approved
 Waived
 Not Approved

Staff Initials: _____

Receipt # _____

Date: _____

Clayton C&D Recycling Ordinance requires at least 50% diversion of job-site waste materials from the landfill. (Ord. No. 389: Jan. 6, 2006)

Please answer the following:

1.

Property Owner Name/Ph.#	
Job-site Address:	
Name of Project Manager:	
Address:	
Phone Number:	
Cellular Phone Number:	
Fax Number:	

2. Identify the type of materials to be recycled, salvaged or disposed from the job-site in **Section I** of the waste assessment table on the back of this page.
3. Identify how materials will be handled, who will haul materials or what facility materials will be going to in **Section I** of the waste assessment table on the back of this page.
4. **Section II** is to be filled out with supporting documentation upon completion of project.
5. Briefly state how materials will be sorted for recycling and/or salvage on the job site.

6. Will this project require the use of sub-contractors? Yes No
 If yes, briefly state how you plan to inform and ensure participation by the sub-contractors of your job-site recycling and waste management responsibility.

SECTION I. BEFORE START OF PROJECT: Identify the materials that you estimate will be recycled, salvaged or landfilled. Identify the handling procedure, hauler and/or destination of each material type.

SECTION II. UPON COMPLETION OF PROJECT: Indicate the material **types and quantities** recycled, salvaged or disposed from this job-site. Official weight tags must be submitted with this completed report identifying 1) job site address, 2) weight of load(s), 3) material type(s) and 4) if materials were recycled, salvaged or disposed. Submit completed form with receipts/tags to City of Clayton Community Development Department.

Material Type	Section I Identify materials (✓) (Est. amount by weight - optional)			Handling procedure, hauler or final destination of materials	Section II Quantity of each material (by weight) (To be filled out at completion of project)			City use only Acceptable weight tag (staff initials)
	Recycle	Salvage	Landfill		Recycled	Salvaged	Landfilled	
Asphalt & Concrete								
Brick, Tile								
Building materials-doors, windows, fixtures, cabinets								
Cardboard								
Dirt/Clean Fill								
Drywall								
Carpet padding/ Foam								
Plate/window Glass								
Scrap Metals (steel, aluminum, brass, copper, etc.)								
Unpainted Wood & Pallets								
Yard Trimmings (brush, trees, stumps, etc.)								
Other:								
Garbage								

If no materials are targeted for recycling or salvage, please state why: _____

Contractor's Signature / Date _____

Property Owner's Signature/Date _____

City Use Only: Recycling meets 50% minimum - (Amount _____%) Yes No Staff Initials: _____ Date: _____

Refund: Yes No Refund Amount: _____ Name: _____
 Address: _____

Authorized By: _____ Date: _____ Vendor # _____

Account # _____

City Manager Approval _____



6000 Heritage Trail
Clayton, CA 94517
925-673-7340

How to complete a Waste Management Plan

Download the Waste Management Plan (WMP) you need to submit prior to receiving your permit. Below are the general guidelines for the WMP process:

To receive your building permit:

- o Complete Page 1 and Section I of the **WMP**
- o Contract and Property Owner's signatures are required
- o Submit the **WMP** to the permit desk or directly to the WMP Compliance Official
- o Once the submitted **WMP** is approved, your permit will be issued
- o A copy of your approved **WMP** will be returned to you with your building permit

While on the Job:

- o Keep records of all material reused, recycled or landfilled from the site
- o Official weight tags will need to be submitted with the final WMP prior to a final inspection
- o Official weight tags must contain the following information:
 1. Job site address
 2. Weight of load
 3. Material types
 4. If the materials were recycled, salvaged or disposed

Prior to scheduling your **Final Inspection**:

- o Complete Section II of the **WMP**
- o Submit the final **WMP** and all applicable documentation to the City of Clayton Planning Dept. at least 3 business days before you want your final inspection for approval.

Once your final **WMP** is approved, a final inspection can be scheduled with the Building Division of Contra Costa County, who conducts building inspections for the City of Clayton.

In order to get a building permit on qualifying projects, you will need to complete the attached Waste Management Plan (WMP), submit it along with your deposit fee to the City of Clayton Community Development Department when you submit your construction plans for city planning /zoning review.

- o Contact Laura Hoffmeister, Asst. to the City Manager, via email at LHoffmeister@ci.clayton.ca.us; or by calling (925) 673-7308 if you need any assistance or have questions.

How can I estimate the amount of C&D debris material on my project?

Attached are conversion tables and generation rates that can be used for making your calculations.

How do I get the debris to a salvage or recycling facility?

If you will be hauling your C&D debris to a salvage or recycling facility, **call ahead** to check hours of operation, disposal fees and **confirm that the facility can receive and recycle your materials**. Allied Waste (Pleasant Hill Bayshore Disposal-PHBD) is the only authorized hauler for the City of Clayton. You may use a third party hauler if they have a current City business license. Your regular household refuse and recycling is required to be serviced by Allied. Please call Allied to set up your regular weekly curbside recycling and garbage collection service at 925-685-4711; for Allied's temporary C&D service, and rate information call 671-5806.

What if I am using sub-contractors?

Inform your sub-contractors about your recycling requirements. **You are responsible for any materials they take away from the job-site.** They must take materials to a recognized recycling facility and provide you with recycling receipts. That's your recycling credit driving away in their truck!

Do I need to separate the debris by material type or can I mix it together?

The manner in which you collect and sort the C&D debris will determine what facility you can use for recycling. **Separated loads** of clean materials can be taken to one of the many area facilities listed in the Builder's Guide or Contra Costa Reuse and Recycling Guide. **Mixed loads** can be taken to facilities listed in the Builder's Guide or Contra Costa reuse and Recycling Guide that state they can receive mixed materials for recycling. **You must insist that the facility provide you with a recycling receipt and you should call ahead to confirm this.** A weight tag that simply says "C&D debris" is not adequate. A C&D Recycling Debris Box for mixed loads can be set up with Allied Waste Services by calling 925-671-5806. They can also provide you with their current rates for their services.

What do I need to do to demonstrate compliance with city recycling requirements?

You will need to submit all recycling and disposal receipts to the building department before receiving your final permits. The recycling receipts should clearly state the city building permit number or job-site address, the date, the weight or volume, material type and confirmation that the materials were actually recycled. A sample form of what information is needed is attached. Please note that at most all facilities you must inform them prior to, or at the time you bring in your materials, of the need for the appropriate receipts. Most facilities can not provide the appropriate documentation after you have deposited the load or after the fact.

What is the cost to do construction and demolition debris recycling?

The cost for vary depending on where the materials are taken and how they are hauled (separated material, co-mingled materials). All locations will charge a fee for taking the materials. In addition there are fees associated with hauling and on site debris boxes that would contain the materials to be hauled from the site.

Can I use a hauler other than Allied Waste Services?

Yes you can use a third party hauler (not a debris box from another refuse service or landfill company such as Delta Diablo, Concord Disposal, Altamont, BFI, etc. These are franchised haulers that have very specific territory assigned to them.) A third party or independent hauler can be used however they must have a valid City of Clayton Business license. (Contact our City Business License Officer at 673-7310 to verify or obtain license application). You are responsible to ensure that they have valid City of Clayton Business License.

What if they do not get the City of Clayton Business License?

Lack of a business license may result in a hold on building inspections, payment of additional fines and penalties.

Where can I obtain information about third party haulers and places that take C & D materials?

Resources such as the Contra Costa Builders Guide to Reuse and Recycling and the Contra Costa Recycling Guidebook are available at City Hall or on line at www.cccrecycle.org/debris. City Hall also has information from Allied Waste on their C&D services or at their website www.awsgcc.com.



6000 Heritage Trail- Clayton, CA - 94517 925-673-7340

Permit applicants for construction, renovation/remodel, additions, or demolition, of 500 square feet or more of area are required to divert 50% of the waste generated.

(City Ordinance No. 389, effective January 6, 2006)

The following materials should be considered for recycling and reuse.

Appliances

Asphalt

Brick

Building materials - doors, windows, and fixtures

Cardboard

Carpet

Carpet padding and foam

Ceiling tile

Concrete

Drywall

Landscape debris (brush, trees, branches, stumps, leaves, and grass)

Lumber and wood - unpainted and unfinished

Masonry tile

Metal - ferrous and nonferrous

Plastics - PET (#1) and HDPE (#2)



6000 Heritage Trail- Clayton, CA - 94517 925-673-7340

STANDARDIZED GENERATION RATES

These generation rates should be used by applicants preparing Waste Management Plans for construction, renovation, and demolition projects to estimate the quantity of construction and demolition debris that will be generated.

Construction Projects: Type of Project	C&D Debris Pounds per sq.ft.
Single family home.....	4.6
Multifamily.....	4.0
Commercial.....	3.9

Demolition Projects: Type of Project	C&D Debris Pounds per sq.ft.
Single family home (without basement).....	50
Single family home (with concrete basement).....	111
Multifamily.....	127
Commercial.....	155

Renovation Projects - residential Type of Project	C&D Debris Pounds per sq.ft.
Kitchen (minor).....	0.75
Kitchen (major).....	4.5
Baths (minor).....	0.25
Baths (major).....	1.00
Room additions.....	0.75



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Construction & Demolition Debris Recycling & Reuse Program STANDARDIZED CONVERSION FACTORS

These factors should be used by Applicants preparing Final Reports to convert the quantity of recycled or reused materials from volume to weight. The amount of a material recorded in cubic yards should be multiplied by the appropriate factor (pounds per cubic yard), and then divided by 2,000, to determine the number of tons of the material recycled or reused.

Example: To convert a quantity of cubic yards of cardboard to tons

(5 cubic yards of cardboard) x (300 pounds per cubic yard) = 1,500 pounds

(1,500 pounds) ÷ (2,000 pounds per ton) = 0.75 tons

Material	Pounds per Cubic Yard
Asphalt.....	1,400
Brick.....	1,400
Building Materials.....	300
Cardboard.....	120
Carpet.....	600
Carpet Padding & Foam.....	6.25
Ceiling Tile.....	175
Concrete.....	1,800
Drywall.....	500
Landscape Debris.....	300
Lumber & Wood.....	300
Metals - ferrous.....	906
Metals - nonferrous.....	175
Plastics.....	35



Weights of Building Materials – Pounds Per Square Foot [PSF]

CEILING

Acoustical fiber board ⁽¹⁾	1
Suspended steel channel system ⁽¹⁾	2
Suspended wood channel system	2.5
2x8 ceiling joists @ 16" o.c., R-49 insulation, 1/2" gypsum board	7
1" Plaster	8
1/2" gypsum board ⁽¹⁾	2.2
5/8" gypsum board ⁽¹⁾	2.75

ROOF

Fiberglass shingles	3
Asphalt shingles ⁽¹⁾	2
Wood shingles ⁽¹⁾	3
Spanish clay tile ⁽¹⁾	19
Concrete roof tile	12
Composition Roofing:	
Three-ply ready roofing ⁽¹⁾	1
Four-ply felt and gravel ⁽¹⁾	5.5
Five-ply felt and gravel ⁽¹⁾	6
20 gage metal deck ⁽¹⁾	2.5
18 gage metal deck ⁽¹⁾	3
0.05" thick polyvinyl chloride polymer membrane ⁽⁴⁾	0.35
1" fiberglass batt insulation	0.04
1" loose fiberglass insulation	0.04
1" loose cellulose insulation	0.14
1" rigid insulation ⁽¹⁾	1.5
Blowing wool insulation R-38 (16" deep)	0.62
3/16" slate ⁽¹⁾	7
1/4" slate ⁽¹⁾	10
Single-ply (no ballast) ⁽¹⁾	0.7
Single-ply (ballasted)	11
Dry gravel ⁽¹⁾	8.7
2x8 rafters @ 16" o.c., fiberglass shingles, 15# felt, 3/8" sheathing	8
Skylight: metal frame w/ 3/8" wire glass ⁽¹⁾	8

FLOOR

1" reinforced regular weight concrete	12.5
1" plain lightweight concrete ⁽¹⁾	8
7/16" cementitious backerboard	3
Ceramic or quarry tile (3/4") on 1/2" mortar bed ⁽¹⁾	16
Ceramic or quarry tile (3/4") on 1" mortar bed ⁽¹⁾	23
1" mortar bed	12
1" slate ⁽¹⁾	15
3/8" marble tile	6
3/8" ceramic floor tile ⁽¹⁾	4.7

FLOOR (cont.)

Hardwood flooring, 7/7-in ⁽¹⁾	4
1/4" linoleum or asphalt tile ⁽¹⁾	1
BCI/AJS joists @ 16" o.c., 3/4" sheathing, 1/2" gypsum board	10
3/4" Gyp-Crete [®] topping	6.5
Carpet & Pad	2.0
Waterproofing Membranes	
Bituminous, smooth surface ⁽¹⁾	1.5
Liquid applied ⁽¹⁾	1

SHEATHING

11/32" or 3/8" Plywood – OSB ⁽³⁾	1.0 - 1.2
15/32" or 1/2" Plywood - OSB ⁽³⁾	1.4 - 1.7
19/32" or 5/8" Plywood - OSB ⁽³⁾	1.8 - 2.1
23/32" or 3/4" Plywood - OSB ⁽³⁾	2.2 - 2.5
7/8" Plywood - OSB ⁽³⁾	2.6 - 2.9
1 1/8" Plywood - OSB ⁽³⁾	3.3 - 3.6
1/2" cementitious backerboard	3
1-1/2" softwood T & G decking	4.6

FRAMING

2x4 @ 16" o.c.	1.1
2x6 @ 16" o.c.	1.7
2x8 @ 16" o.c.	2.2
2x10 @ 16" o.c.	2.9
2x12 @ 16" o.c.	3.5
BCI [®] 4500s, 5000 or 5000s @ 12" o.c.	2.0 - 2.9
BCI [®] 4500s, 5000 or 5000s @ 16" o.c.	1.5 - 2.2
BCI [®] 4500s, 5000 or 5000s @ 19.2" o.c.	1.3 - 2.8
BCI [®] 4500s, 5000 or 5000s @ 24" o.c.	1.0 - 1.5
BCI [®] 6000 or 6000s @ 12" o.c.	2.2 - 3.4
BCI [®] 6000 or 6000s @ 16" o.c.	1.7 - 2.6
BCI [®] 6000 or 6000s @ 19.2" o.c.	1.4 - 2.1
BCI [®] 6000 or 6000s @ 24" o.c.	1.1 - 1.7
BCI [®] 60, 60s, 6500 or 6500s @ 12" o.c.	2.3 - 3.8
BCI [®] 60, 60s, 6500 or 6500s @ 16" o.c.	1.7 - 2.9
BCI [®] 60, 60s, 6000 or 6500s @ 19.2" o.c.	1.4 - 2.4
BCI [®] 60, 60s, 6500 or 6500s @ 24" o.c.	1.2 - 1.9
BCI [®] 90 or 90s @ 12" o.c.	3.9 - 4.9
BCI [®] 90 or 90s @ 16" o.c.	2.9 - 3.7
BCI [®] 90 or 90s @ 19.2" o.c.	2.4 - 3.1
BCI [®] 90 or 90s @ 24" o.c.	1.9 - 2.5
AJS [®] 140 or 20 @ 12" o.c.	2.2 - 3.3
AJS [®] 140 or 20 @ 16" o.c.	1.7 - 2.5
AJS [®] 140 or 20 @ 19.2" o.c.	1.4 - 2.1
AJS [®] 140 or 20 @ 24" o.c.	1.1 - 1.7
AJS [®] 25 @ 12" o.c.	3.1 - 3.9
AJS [®] 25 @ 16" o.c.	2.3 - 2.9
AJS [®] 25 @ 19.2" o.c.	1.9 - 2.4
AJS [®] 25 @ 24" o.c.	1.6 - 2.0



WALL

5/16" x 7-1/2" fiber cement lap siding	3
4" clay brick ⁽¹⁾	39
1/4" ceramic wall tile ⁽¹⁾	3.1
1 3/4" Cultured Stone [®]	12
2x4 studs @ 16" o.c., 5/8" gypsum, insulation, 3/8" siding ⁽¹⁾	11
2x6 studs @ 16" o.c., 5/8" gypsum, insulation, 3/8" siding ⁽¹⁾	12
Wood or steel studs, 1/2" gypsum board each side ⁽¹⁾	8
Exterior stud walls w/ brick veneer ⁽¹⁾	48
Windows: glass, frame and sash ⁽¹⁾	8
Stucco	10
Log Wall: 10" diameter	26
Glass Block	
4" thick - standard (hollow)	20
3" thick - standard (hollow)	16
4" thick - thick face	30
3" thick - solid glass block	40

MISCELLANEOUS

1" of sand	8
1" of water	5.2
Hay: baled (dry) ⁽²⁾	15
	PCF ⁽²⁾
Straw: baled (dry) ⁽²⁾	8 PCF ⁽²⁾
Saturated soil (garden/landscaped roof)	135 PCF
Grand Piano	1000 LB

Include at least 1.5 psf in all dead load summations to account for incidentals such as plumbing, ducts, light fixtures, etc.

- (1) *Minimum Design Loads for Buildings and Other Structures, ASCE 7-05.*
- (2) *National Farm Building Code (Canada) 1995. Value in pounds per cubic foot (PCF), multiply by maximum height to obtain PSF.*
- (3) *Approximate Engineering Dead Load Weight of Wood Structural Panels, APA EWS TT-019, 1998.*
- (4) *Duro-Last General Specifications, Duro-Last Roofing, Inc. 2005*



6000 Heritage Trail- Clayton, CA - 94517 925-673-7340

Recycling Receipt For Material(s) Received (to be completed by material receiver)

Company or Individual Receiving Material(s):

Facility Name:					
Contact or Individual Name:					
Address:					
City, State, Zip:					
Phone/Fax/Mobile/Page:					
Circle Facility/Individual Type(s):	Recycler	Salvager	Landfill Operator	End User	Other
*Facility Attendant Signature:					

* Signature required to validate receipt.

Job-Site Information:

Permit #:	
Job-Site Address:	

Construction/Demolition Company or Individual Providing Material(s) to Receiver:

Company Name:			
Contact or Individual Name:			
Address:			
City, State, Zip:			
Phone/Fax/Mobile/Page:			

Identification of Materials Left with Receiver (use separate receipt for materials landfilled):

Material Type	Quantity by Weight, in pounds or tons**	Circle how receiving facility or individual will use materials received for each Material Type	Date Received or Picked Up
<i>Sample: Concrete</i>	<i>12 tons</i>	(Recycle) Salvage Trash	
		Recycle Salvage Trash	
		Recycle Salvage Trash	
		Recycle Salvage Trash	
		Recycle Salvage Trash	
		Recycle Salvage Trash	
		Recycle Salvage Trash	
		Recycle Salvage Trash	

Use published conversion factors between volume and weight, if necessary, from City of Clayton
 Contact Laura Hoffmeister for assistance, 6000 Heritage Trail, Clayton, CA 94517, 925-673-7308,
 LHoffmeister@ci.clayton.ca.us

Thank you for recycling.

ORDINANCE NO. 389

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CLAYTON
ADDING CHAPTER 15.80 TO TITLE 15 OF THE CLAYTON MUNICIPAL
CODE TO REGULATE PROJECT CONSTRUCTION AND DEMOLITION
DEBRIS RECYCLING**

**THE CITY COUNCIL OF THE CITY OF CLAYTON DOES HEREBY FIND AS
FOLLOWS:**

WHEREAS, the State of California passed Assembly Bill (AB) 939 in 1989 mandating cities and counties to recycle 50% of their solid waste stream; and

WHEREAS, the City of Clayton is committed to protecting public health, safety, welfare and the environment and in furtherance thereof, promotes the reduction of solid waste; and

WHEREAS, the City of Clayton enacted its Source Reduction and Recycling Element in 1993 to implement recycling programs in an effort to improve its recycling efforts; and

WHEREAS, an estimated 10-20% of solid waste material generated within the City of Clayton is comprised of construction and demolition debris that can and should be recycled; and

WHEREAS, the City established incentive pricing in 2001 to encourage recycling of construction related materials; and

WHEREAS, the State of California passed Senate Bill (SB) 1374 in 2002 imposing state mandated Construction and Demolition model ordinances be developed for local government use by 2004 or establishment of local ordinances and programs be enacted by local governments and included in a local agency's annual waste report to the California Integrated Waste Management Board; and

WHEREAS, the City of Clayton received conditional approval by the California Integrated Waste Management Board in 2002 for Alternative Diversion Requirement (ADR) for the years 2000-2003 (AB 1600-ADR), which included a condition to establish a local Construction and Demolition ordinance; and

WHEREAS, recycling of project construction and demolition debris furthers Clayton's commitment to reducing waste and state-mandated compliance with AB 939 and SB 1374, and the City's State approved AB 1600-ADR requirements.

**NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF CLAYTON
DOES ORDAIN AS FOLLOWS:**

Section 1. Chapter 15.80 of the Municipal Code is added to read in its entirety as follows:

Chapter 15.80

PROJECT CONSTRUCTION AND DEMOLITION DEBRIS RECYCLING

Sections:

15.80.010	Definitions
15.80.020	Threshold for covered projects
15.80.030	Submission and contents of waste management plan
15.80.040	Review of waste management plan
15.80.050	Modified diversion rate
15.80.060	Submission of completed waste management plan
15.80.070	Appeal
15.80.080	Enforcement

15.80.010 Definitions.

For the purposes of this ordinance, the following definitions shall apply:

- A. "Applicant" means any individual, firm, limited liability company, association, partnership, political subdivision, government agency, municipality, industry, public or private corporation, or any other entity whatsoever who applies to the city for the applicable permits to undertake construction, demolition, or renovation projects within the city.
- B. "Construction" means the building of any facility, structure, or paved area or any portion thereof including tenant improvements to an existing facility, structure, or paved area.
- C. "Construction and demolition debris" ("C&D debris") means used or discarded materials removed from a project site during construction, demolition, or renovation activities.
- D. "Conversion rate" means the rate set forth in the standardized conversion rate table approved by the state, as amended or revised, for estimating the volume or weight of materials identified in a waste management plan.
- E. "Covered project" shall have the meaning set forth in Section 15.80.020.A.
- F. "Deconstruction" means the process of dismantling a building, structure, or paved area in order to salvage components for reuse or recycling.
- G. "Demolition" means the decimating, razing, ruining, tearing down, or wrecking of any facility, structure, pavement or building, whether in whole or in part, whether interior or exterior.
- H. "Divert" means to use material for any purpose other than disposal in a landfill or transfer facility.
- I. "Diversion requirement" means the redirection from the waste stream of construction and demolition debris generated by a project via salvage, reuse, and/or recycling.
- J. "Modified diversion rate" means a diversion rate less than a standard diversion requirement.
- K. "Non-covered project" shall have the meaning set forth in Section 15.80.020.B.
- L. "Official" shall have the meaning set forth in Section 15.80.010.W.
- M. "Project" means any activity, which requires an application for a building, grading, or demolition permit, or any similar permit from the city.

N. "Recycling" means the process of collecting, sorting, cleansing, treating, and reconstituting materials that would otherwise become solid waste, and returning them to the economic mainstream in the form of raw material for new, reused, or reconstituted products which meet the quality standards necessary to be used in the marketplace.

O. "Renovation" means any change, addition, or modification (including tenant improvements) in an existing structure or building.

P. "Reuse" means further or repeated use of materials in their original form.

Q. "Salvage" means the controlled removal of construction or demolition debris from a project site for diversion requirement purposes.

R. "Site" means any location which requires a waste management plan under this chapter.

S. "Standard diversion requirement" means at least fifty (50) percent of the waste stream of construction and demolition debris generated by a project is diverted from the landfill via salvage, reuse, and/or recycling.

T. "Tenant improvements" means a "project" involving structural or other modifications of an existing building, structure, or project site resulting in the generation of C&D debris.

U. "Vendor" means a hauler of commercial recycling material licensed to conduct business in the city.

V. "Waste management plan" ("WMP") means a completed WMP form submitted by the applicant for any covered project for the purpose of compliance with this chapter.

W. "WMP compliance official" ("official") means the city community development director or his or her designee.

15.80.020 Threshold for covered projects.

A. Covered projects. All construction, demolition and renovation projects within the city, which involve the construction, demolition, or renovation of 500 square feet or more and which require a building, grading, or demolition permit shall be considered covered projects and shall comply with this chapter. For the purposes of determining whether a project meets the foregoing thresholds, all phases of a project and all related projects taking place on single or adjoining parcels, as determined by the official, shall be deemed a single project.

B. Non-covered projects. Construction, demolition and renovation projects within the city that have not met the threshold for covered projects shall be considered non-covered projects. Applicants for non-covered projects shall be encouraged and endeavor to divert as much project-related C&D debris as possible.

C. Projects Sponsored by the City or its Redevelopment Agency. All construction, demolition and renovation projects sponsored by the city or its redevelopment agency shall be considered covered projects for the purposes of this chapter. The project sponsor or its contractor shall submit a WMP to the official prior to beginning any activities and shall be subject to all applicable provisions of this chapter.

D. Building, grading and demolition permits. No building, grading or demolition permit shall be issued for a covered project unless and until the official has approved a WMP for the project.

15.80.030 Submission and contents of waste management plan.

An applicant for any covered project shall complete and submit a WMP on a form approved by the city as part of the application submittal requirements for a building, grading, or demolition permit. A complete WMP shall include all of the following:

A. Identification of the types of C&D debris expected to be generated from the project and the types of C&D debris to be made available for salvage, reuse, and/or recycling, and diverted from the landfill;

B. Acknowledgement that the standard diversion requirement requires at least fifty (50) percent of the C&D debris materials to be diverted from the landfill and made available for salvage, reuse, and/or recycling;

C. Acknowledgement that the applicant is responsible for the actions of his or her contractors, sub-contractors or other agents with regard to the diversion requirement;

D. Signature of the property owner (or authorized agent); and

E. A cash deposit (or other financial security instrument acceptable to the city) to ensure the performance of the diversion requirements of this chapter, and to cover staff review and processing charges. The amount of the cash deposit (based upon the square footage of the construction, demolition, or renovation), plus a minimum deposit, shall be established by City Council resolution, and as may be amended from time to time.

15.80.040 Review of waste management plan.

A. Approval. Notwithstanding any other provision of this code, no building, grading, or demolition permits shall be issued for any covered project, nor shall any construction, demolition, or renovation take place on any covered project, unless and until the official has approved the WMP. Approval shall not be necessary, however, when the city determines an emergency demolition is required to protect public health or safety. The official shall approve the WMP if the official determines that the WMP complies with the requirements of Section 15.80.030.

B. Non-approval. If the official determines the submitted WMP does not comply with the requirements of Section 15.80.030, the official shall notify the applicant the WMP is not approved and provide a written statement of the reason(s) the WMP is out of compliance. The official shall withhold or order the withholding of issuance of all associated city development permits, including building, grading, and demolition permits for the covered project until compliance has been met.

15.80.050 Modified diversion rate.

A. Application. If an applicant experiences unique circumstances that the applicant believes make it infeasible to comply with the standard fifty (50) percent diversion requirement, the applicant may request approval of a modified diversion rate at the time the applicant submits the WMP in accordance with Section 15.80.030. Economic or increased financial costs to the applicant generally will not be a sufficient basis for approval of a modified diversion rate unless such costs are proportionately extraordinary. The applicant shall indicate on the WMP the maximum amount of diversion the applicant believes can be achieved for each material and the specific unique circumstance(s) the applicant believes makes compliance with the standard diversion requirement infeasible.

B. Granting of modified diversion rate. If the official determines that the applicant is unable to meet the standard diversion requirement due to unique circumstances, the official may

approve and issue a modified diversion rate and shall indicate this rate on the WMP submitted by the applicant.

C. Denial of modified diversion rate. If the official determines that unique circumstances are not present and the applicant is able to comply with the standard diversion requirement, the official shall so inform the applicant in writing. The applicant shall have thirty (30) calendar days to resubmit a WMP in full compliance with Section 15.80.030.

15.80.060 Submission of completed waste management plan.

A. Documentation. Prior to the final building inspection or the filing of a notice of completion for a public works project for any covered project, the applicant shall submit documentation that it has met the diversion requirement for the project to the official. This documentation shall include the following:

1. A copy of the approved WMP for the project with notations of the actual material volume or weight generated by the completed project;

2. Receipts from disposal and recycling facilities and/or vendors that received each material showing the type and quantity (weight or volume) of material, and whether the material was disposed in a landfill or recycled; and

3. Any additional information the applicant believes is relevant to determining compliance with this chapter.

B. Weighing of materials. The applicant shall make reasonable efforts to ensure that all C&D debris recycled or disposed in a landfill are measured and recorded using the most accurate method of measurement available. To the extent practical, all C&D debris shall be weighed by measurement on scales. Such scales shall be in compliance with all regulatory requirements for accuracy and maintenance. A volumetric measurement shall be used on C&D debris for which weighing is not practical due to small size or due to other considerations as determined by the official or the state. For conversion of volumetric measurements to weight, the applicant shall use the conversion rates approved by the state for this purpose.

C. Determination of compliance. The official shall review the submitted information and determine whether the applicant has complied with the diversion requirement. The official shall authorize the final building inspection or the filing of the notice of completion for a public works project upon making a determination of compliance, as listed below:

1. Full compliance. If the official determines the applicant has fully complied with the diversion requirement applicable to the project, the full performance security, less staff review and processing charges, shall be returned to the applicant within thirty (30) days after full compliance is determined.

2. Partial compliance. If the official determines the applicant has not fully complied with the diversion requirement applicable to the project, the official shall determine on a case-by-case basis whether the applicant has made a good faith effort to comply with the approved WMP. In making this determination, the official shall consider the availability of markets for the C&D debris disposed in a landfill, the size of the project and the documented efforts of the applicant to divert the C&D debris. If the official determines the applicant has made a good faith effort to comply with the approved WMP, such determination shall be provided in writing, and the portion of the deposit equivalent to the portion of C&D debris actually diverted compared to the portion that should have been diverted according to the approved WMP will be returned to the applicant, less staff review and processing charges. The

partial deposit shall be returned to the applicant within thirty (30) days after partial compliance is determined.

3. **Noncompliance.** If the official determines the applicant has not complied with the approved WMP, the official shall notify the applicant in writing. The full amount of the performance security shall be forfeited to the city as a penalty and to cover staff review and processing charges.

15.80.070 Appeal.

Appeal of a determination made under this chapter may be made to the city council following the procedures set forth in Section 5.04.100 of this code, with payment of an appeal fee as established by City Council resolution. Any appeals shall be limited to: 1) the granting or denial of modified diversion rate; or 2) whether the applicant has complied with an approved WMP.

15.80.080 Enforcement.

Violation of any provision of this chapter may be enforced through remedies listed in this code, including but not limited to Chapters 1.14, 1.18 and 1.20.

Section 2. Action to challenge

Any action or proceeding to attack, review, set aside, void or annul this Ordinance must be commenced and the service made on the City no later than 90 days after its effective date.

Section 3. Conflicting Ordinances Repealed.

Any ordinances or parts thereof, or regulations in conflict with the provisions of this Ordinance are hereby repealed. The provisions of this Ordinance shall control with regard to any provisions of the Municipal Code that may be inconsistent with the provisions of this Ordinance.

Section 4. Severability.

If any section, subsection, sentence, clause, or phrase of this Ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council has declared that it would have passed this Ordinance and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that any one or more section, subsection, sentence, clause, or phrase thereof was declared unconstitutional, invalid or ineffective.

Section 5. Effective date and publication.

This Ordinance shall become effective thirty (30) days from and after its passage. Within fifteen (15) days after the passage of the Ordinance, the City Clerk shall cause it to be posted in three (3) public places heretofore designated by Resolution of the City Council for the posting of ordinances and public notices.

The foregoing Ordinance was introduced at a regular meeting of the City Council of the City of Clayton held on October 18, 2005.

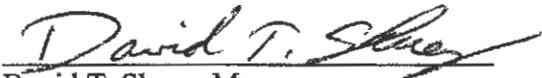
Passed, adopted and ordered posted at a regular meeting of the City Council of the City of Clayton on December 6, 2005 by the following vote:

AYES: Councilmember Laurence, Manning, Pierce, Vice Mayor Walcutt and Mayor Shuey.

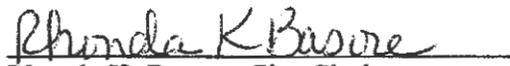
NOES: None.

ABSENT: None.

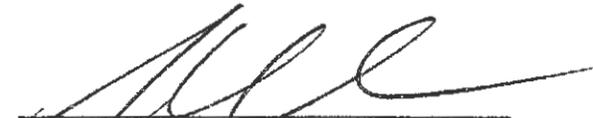
THE CITY COUNCIL OF CLAYTON, CA


David T. Shuey, Mayor

ATTEST:


Rhonda K. Basore, City Clerk

APPROVED AS TO FORM:


J. Daniel Adams, City Attorney,

APPROVED AS TO ADMINISTRATION:


Gary A. Napper, City Manager

I hereby certify that the foregoing Ordinance was duly introduced at a regular meeting of the City Council of the City of Clayton held October 18, 2005, and was duly adopted, passed and ordered posted at a regular meeting of the City Council held on December 6, 2005.


Rhonda K. Basore, City Clerk

2006



KRISTOPHER SKINNER/TIMES

MATT GREENE sorts cardboard at the Brentwood transfer station Friday. Cities are passing ordinances requiring builders to recycle.

Ordinances force builders to recycle

By Sarah Jane Tribble
TIMES STAFF WRITER

With state pressure mounting, an increasing number of Contra Costa communities are creating laws to force builders to recycle the wood, concrete and other materials from projects.

The new demands are getting results in fast-growing Antioch, and officials expect more cities countywide to join the effort this year.

Moraga, Concord and Martinez are all expected to pass or propose ordinances within the next few months. El Cerrito and Pittsburg staff members are also considering creating a construction and demolition ordinance, according to county officials.

"Contra Costa as a county has recognized the C&D (construction and demolition) issue and is taking steps," said Eric Bissinger, integrated waste management specialist for the California Integrated Waste Management

Board. "They have to convince the councils, and some people might look at the ordinance as a business hindrance."

The state board is pushing the ordinances as a way for communities to comply with a state law that requires local governments to divert half their waste from landfills or face fines of up to \$10,000 a day.

A 2004 board study found that 22 percent of the garbage that went into landfills the previous year was construction debris that could be recycled. As a result, ordinances have been a "reoccurring topic" for the board, Bissinger said.

Walnut Creek passed the first ordinance and Lafayette, Orinda, Brentwood, Antioch, Clayton and the unincorporated part of the county followed in the past five years.

Contra Costa's unincorporated area has a diversion rate of 45 percent, according to the county's

state-submitted report from 2003, the most recent data available.

Ordinances enable cities and counties to track how much developers recycle and whether the community is improving its recycling rates, said Laura Wright, senior administrative analyst in Pittsburg's public works department.

Pittsburg's diversion rate is more than 50 percent, she said.

Down the road a few miles in Antioch, Environmental Resource Coordinator Julie Haas-Wajdowicz said the city reduced by more than half its construction and demolition waste hauled to the landfill between 2003 and after the city's ordinance passed in 2004.

Antioch builders were hauling more than 6,000 tons of construction and demolition material a year to the landfill in 2003, an amount that dropped to 2,000 tons in 2004, she said. Not all of the difference was a result of recycling because the city began shipping the material to a trans-

fer station, but at least half of that difference went on to be recycled, she said.

Antioch and Brentwood require developers to recycle half their waste for any project that costs more than \$75,000.

In Brentwood, where construction and demolition materials are a large part of the waste stream, city officials are spending \$5 million this year to expand a garbage transfer station.

Brentwood Solid Waste Manager Jon Carlson said the expanded station will enable the city to recycle more efficiently as well as keep up with the city's building boom and increasing population, which is expected to nearly double and hit 70,000 in the coming years.

Sarah Jane Tribble covers East County growth and development. She can be reached at 925-779-7134 or stribble@cctimes.com.

Attachments

City of Clayton

for Section C-3

CERTIFICATE OF TRAINING

CALIFORNIA CONSTRUCTION GENERAL PERMIT

QUALIFIED SWPPP DEVELOPER (QSD) AND QUALIFIED SWPPP PRACTITIONER (QSP)

Richard Angrisani

Apr 21, 2015 - Jul 19, 2017

Certificate # 00927



California Stormwater Quality Association and
California Construction General Permit Training Team

Attachment 3h(iv)3

Attachments

City of Clayton

for Section C-4

C.4.b.iii(1) Potential Facilities - City of Clayton

Name	Address	City	Program Category
Diamond Terrace	6401 CENTER Street	Clayton	Assisted Living
Clayton Club Saloon	6096 MAIN Street	Clayton	Bar Only
KinderCare	6095 MAIN Street	Clayton	Child Day Care
Endeavor Hall	6008 CENTER Street	Clayton	Commercial
Valley Cleaners	5425 CLAYTON Road	Clayton	Dry Cleaner
Dryclean USA	5435 CLAYTON Road M	Clayton	Dry Cleaner
US Post Office	6150 CENTER Street	Clayton	Fleet Operations
City of Clayton Maintenance Facility	5901 HERITAGE TRAIL	Clayton	Fleet Operations
JJ Hawaiian BBQ	5435 CLAYTON Road A	Clayton	Food Service
Ed's Mudville Grill	6200 CENTER Street	Clayton	Food Service
Cup O' Jo	6054 MAIN Street	Clayton	Food Service
Canesa's Brooklyn Heros	6026 MAIN Street	Clayton	Food Service
Coldstone Creamery	1536 KIRKER PASS Road B	Clayton	Food Service
Cinco De Mayo Mexican Restaurant	5415 CLAYTON Road	Clayton	Food Service
Center Street Deli & Café	6101 CENTER Street	Clayton	Food Service
Casa Gourmet Burrito	5435 CLAYTON Road F	Clayton	Food Service
Carl's Jr Restaurant	1530 KIRKER PASS Road	Clayton	Food Service
Country Waffles	5435 CLAYTON Road B	Clayton	Food Service
Village Market	6104 MAIN Street	Clayton	Food Service
Moresi's Chop House	6115 MAIN Street	Clayton	Food Service
Sweet Bakery	5435 CLAYTON E	Clayton	Food Service
Papa Murphy's Take 'N Bake	5433 CLAYTON Road H	Clayton	Food Service
Pavilion Bar and Grill	1508 KIRKER PASS Road	Clayton	Food Service
Subway	1536 KIRKER PASS Road C	Clayton	Food Service
Little Caesars Pizza	5433 CLAYTON Road L	Clayton	Food Service
Subway	1026 OAK Street 103	Clayton	Food Service
La Veranda Café	6201 CENTER Street	Clayton	Food Service
Skipolini's Pizza	1035 DIABLO Street	Clayton	Food Service
Starbucks Coffee	1536 KIRKER PASS Road A	Clayton	Food Service
Oakhurst Country Club	1001 PEACOCK CREEK Drive	Clayton	Golf Course
Oakhurst Country Club - Indianhead Maintenance Facilities	2500 INDIAN HEAD Way	Clayton	Golf Course
Safeway Food and Drug	5431 CLAYTON Road	Clayton	Grocery Store
Shop & Go Market	5421 CLAYTON Road	Clayton	Mini-Market
Sherwin - Williams	5443 CLAYTON Road	Clayton	Paint Shop
CVS Pharmacy	6490 CLAYTON Road	Clayton	Retail
Walgreen Drug Store	5437 CLAYTON Road	Clayton	Retail
R & M Pool Patio and Garden	6780 MARSH CREEK Road	Clayton	Retail
Oakhurst Country Club Maintenance Facilities	1001 PEACOCK Drive	Clayton	Vehicle Service

Planned Inspections for Clayton (7/1/2014 to 6/30/2015)

7/30/2014

Name	Address	City	Facility Type
Inspection Cycle			
Center Street Deli & Café	6101 CENTER Street	Clayton	Food Service
Clayton Club Saloon	6096 MAIN Street	Clayton	Bar Only
Dryclean USA	5435 CLAYTON Road M	Clayton	Dry Cleaner
Walgreen Drug Store	5437 CLAYTON Road	Clayton	Retail
Little Caesars Pizza	5433 CLAYTON Road L	Clayton	Food Service
Safeway Food and Drug	5431 CLAYTON Road	Clayton	Grocery Store
Country Waffles	5435 CLAYTON Road B	Clayton	Food Service
Starbucks Coffee	1536 KIRKER PASS Road A	Clayton	Food Service
Endeavor Hall	6008 CENTER Street	Clayton	Commercial

Subtotal: 9

TOTAL INSPECTION GOAL (110%)=9

Annual Goal = 8

**Clean Water Inspections
Fiscal Year 2014-15**

**Annual Report
7/1/2014-6/30/2015**

Type	Facility Name	Address	STW City	Inspector	Date	Inspection Type	Billing Type	Enforcement?
Bar Only	Clayton Club Saloon	6096 MAIN Street	Clayton	J. Talarico	8/28/2014	Partial	Add-on	None
Bar Only	Clayton Club Saloon	6096 MAIN Street	Clayton	J. Talarico	9/8/2014	Reinspected	Add-on	None
Commercial	Endeavor Hall	6008 CENTER Street	Clayton	J. Talarico	6/18/2015	Reinspected	Add-on	None
Dry Cleaner	Dryclean USA	5435 CLAYTON Road M	Clayton	J. Talarico	10/28/2014	Reinspected	Add-on	None
Food Service	Center Street Deli & Café	6101 CENTER Street	Clayton	J. Talarico	8/28/2014	Initial	Add-on	None
Food Service	Country Waffles	5435 CLAYTON Road B	Clayton	J. Talarico	5/12/2015	Reinspected	Add-on	None
Food Service	International Johnny's Deli & Café	6101 CENTER Street	Clayton	J. Talarico	7/15/2014	Closed	Add-on	None
Food Service	Little Caesars Pizza	5433 CLAYTON Road L	Clayton	J. Talarico	2/26/2015	Reinspected	Add-on	None
Food Service	Starbucks Coffee	1536 KIRKER PASS Road A	Clayton	J. Talarico	2/26/2015	Reinspected	Add-on	None
Grocery Store	Safeway Food and Drug	5431 CLAYTON Road	Clayton	J. Talarico	5/12/2015	Reinspected	Add-on	None
Retail	Walgreen Drug Store	5437 CLAYTON Road	Clayton	J. Talarico	10/28/2014	Reinspected	Add-on	None

Total number of Initial Inspections and Reinspections: 9

Total number of NOV's issued: 0

Total number of Follow-up, Enforcement Follow-up, Surveillance, Consultation and Partial inspections: 1

Total number of WNs issued: 0

Total number of closed or moved Inspections: 1

7/16/2015

Attachment CHC

City of Clayton Inspection Tracking		Estimated Inspection Frequency Cycle					Actual Inspection Conducted by OCCSD												Planned Inspections	
Location/Name	Prior business	One Year	Two Year	Three Year	Five Year	Target Inspections MRP Year 1	Year 0 FY 02-03	Year 1 FY 03-04	Year 2 FY 04-05	Year 3 FY 05-06	Year 4 FY 06-07	Year 5 FY 07-08	Year 6 FY 08-09	Year 7 (Year 1 MRP) FY 09-10	Year 8 (Year 2 MRP) FY 10-11	Year 9 (Year 3 MRP) FY 11-12	Year 10 (Year 4 MRP) FY 12-13	Year 11 (Year 5 MRP) FY 13-14	Year 12 (Year 6 MRP) FY 14-15	Year 13 (Year 7 MRP) FY 15-16
Clayton Station	type of business																			
Pavillion Grill and Bar (opened 9/09)	restaurant			X						4/28/09 (NOV)	8/10/2009					4/17/2012				
Liquiditas (closed 1/04)	restaurant			X				1/17/03												
Opium's (closed 10/07)	restaurant			X						6/31/08 (WN)										
Bismillah (closed 1/08)	restaurant			X				6/17/03												
Cinco de Mayo (opened 1/02)	restaurant			X									6/22/09				5/22/2013 (NOV) & 6/5/2013	6/27/2013	6/10/2014	
Shop and Go Market	convenience store			X	X			1/14/03				3/21/2008					4/5/2011			
Valley Cleaners	dry cleaners (drop off service)			X												6/17/2013				
Bellevue	convenience store			X	X			10/4/02 (WN)				7/9/2007								5/13/2013
Walgreens	convenience store			X	X				4/11/05				2/27/2009							10/28/2014
Carli's	fast food restaurant		X	X	X			03/04/04		4/25/09		3/24/2008 (WN)		5/5/2009		5/5/2010				
Dry Clean USA	dry cleaners (drop off service)			X	X					8/8/05			8/7/2008							10/28/2014
Starbucks	coffee shop			X	X			6/17/03								11/16/2010				2/28/2015
Cold Stone	ice cream shop			X	X			8/27/02												
Subway Sandwiches	restaurant			X	X			6/5/03				9/6/2007								X
Cookies by DeKlan (closed 10/03)	bakery			X								4/10/2007						2/5/2013		
Country Waffles	restaurant			X				9/15/03 (WN)		4/11/05			12/21/2007		6/8/2008 (WN)		9/8/2010			5/4/2015
Englund's Tea Cakes (closed 2/08)	restaurant			X																
JJ Hawaiian BBQ	restaurant			X																
The Deli	restaurant			X						8/17/04										
Sweet Bakery After Cafe	restaurant			X				9/15/03 (WN)											2/25/2014	
Casa Gourmet Burrito	restaurant			X	X							2/1/2007								
Papa Murphys	restaurant			X	X			8/15/02				7/31/08 & 12/21/08		8/1/2009		2/12/2010 (WN) & 3/19/2010	1/28/2011			X
L.E. Cassese's PIZZA (opened 9/08)	restaurant (take out)			X	X															2/26/2015
Candy Bouquet	bakery			X						4/19/03					2/21/2009 (NOV) & 2/10/2008	2/8/2010				
Nail Salon 2001	beauty			X											9/11/2009					
Beauty Shanty Salon	beauty			X																
Louis Hair Salon	beauty			X																
Great Clips	beauty			X															2/25/2014 & 2/28/2014	
Shawlin Williams (opened 8/12/12)	retail (apparel)			X																
Downtown				X																
RSM Pool-Patio	garden center			X						4/18/05						1/18/2011				X
Ed's Mudville Grill	restaurant			X	X					8/8/04			2/4/2008							
La Veranda	restaurant			X	X							12/7/06 (WN)					8/27/2012 (WN) & 6/29/2012	8/26/2013 & 8/25/2013		
Shogun's	restaurant			X				5/5/04						3/19/2010		2/5/2012				X
Elvatum (out of business on 6/20/06)	restaurant			X																
Fox & Fiddle (out of business on 4/20/04)	restaurant			X				12/11/03 (WN)												
Moreno's Chophouse (opened 6/30/07)	restaurant			X	X								10/9/2007						12/18/2012	
Clayton Club	bar			X	X															8/28/14 & 8/8/14
Cur-o-Joe	bar			X	X															X
TLC	bar			X							11/8/2008								11/2/2014	
Hair by Jim	beauty			X																
Barber Shop	beauty			X																
Clayton Mind Body	beauty			X																
Pumpkin Farm	garden center			X																
US Post Office	retail (post office)			X	X			04/30/04								1/9/2011				X
Diamond Terrace	retail (jewelry)			X	X			10/9/03											4/14/2014 & 4/21/2014	
Childrens World - Kinder Care	day care center			X						12/2/04									2/25/2014	
Laemina Centre Kidscare	day care center			X																
Village Market (opened 5/08)	convenience store - cafe			X	X															
CVS/Pharmacy (opened 11/19/07)	pharmacy			X	X								2/4/2008		2/3/2009	5/9/2010				X
Johnnys the Lube & Oil (opened 8/10/02)	oil change			X																
Unlabeled (opened 3/11/11)	restaurant			X												5/5/2010				7/15/14 & 8/28/2014
Subway (opened 3/11/11)	restaurant			X													8/8/2011			X
Cassese Deli (opened 3/11/13)	restaurant			X													7/5/2011			
Oakhurst County Club	restaurant			X															8/26/2013	
Oakhurst CC Grill	restaurant			X	X					3/6/2005						3/19/2010				
Golf Manor (closed 10/07)	restaurant			X	X					3/8/05						3/19/2010			9/29/2013 & 9/23/2013	X (closed out of town)
Oakhurst Golf Club (closed 10/07)	golf course (private)			X	X					11/25/05						3/19/2010			6/26/2013	X
Miscellaneous & call outs				X																
L.E. Cassese's son's (closed call out)				X								8/7/2008 (NOV) & 8/8/2008								
Burnshire Pools (closed call out)				X																
Clayton Maintenance Yard	municipal yard (City)			X																
Endeavor Hall	commercial rental hall whitetech			X																8/18/2015

Note: X is planned inspection

Attachment CH e iii (3)

POTW Training Summary Information for FY 14-15. Includes training sessions that cover inspection and enforcement skills, even if they were not specifically storm water.

C.4.d.iii ► Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Industrial General Permit Training (Contra Costa County)	12/16/14	<ul style="list-style-type: none"> Outline available through CWP 	CCCSD-9 DDSD-3 WCWD-2	CCCSD-100 DDSD-100 WCWD-100
Commercial/Industrial Stormwater Inspection Training Workshop (Contra Costa County)	4/30/15	<ul style="list-style-type: none"> Outline available through CWP 	CCCSD-9 DDSD-2 WCWD-2	CCCSD-100 DDSD-67 WCWD-100
CCCSD Customer Service Training	7/8 or 17/14	<ul style="list-style-type: none"> Communication skills Non-verbal queues 	CCCSD-7	CCCSD-78
CWEA – P3S Conference	2/2-3/15	<ul style="list-style-type: none"> Stormwater education and outreach Trash management 	CCCSD-3	CCCSD-33
CWEA Annual Conference	4/29 to 5/1/15	<ul style="list-style-type: none"> Inspector Training Stormwater BMPs Outreach 	WCWD-2	WCWD-100
Environmental Enforcement Training	1/21-23/15	<ul style="list-style-type: none"> Report writing Evidence Developing a case 	CCCSD-2	CCCSD-22
CCCSD= Central Contra Costa Sanitary District (POTW for City of Clayton)				

Attachments

City of Clayton

for Section C-6

ORDINANCE NO. 444

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CLAYTON
AMENDING CHAPTER 13.12 TO TITLE 13 OF THE MUNICIPAL CODE RELATING
TO STORMWATER MANAGEMENT AND DISCHARGE CONTROL FOR
COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION
SYSTEM (NPDES) PROGRAM (STORM WATER POLLUTION PREVENTION)
MUNICIPAL REGIONAL PERMIT (MRP) IMPOSED BY THE REGIONAL WATER
QUALITY CONTROL BOARD**

THE CITY COUNCIL OF THE CITY OF CLAYTON FINDS AS FOLLOWS:

WHEREAS, the 1987 Reauthorization of the Federal Clean Water Act, as well as similar State legislation, required local agencies to obtain a NPDES Permit for discharging the contents of municipal storm drainage water conveyance systems; and

WHEREAS, the Federal Clean Water Act and related permits are implemented and enforced by the State through the Regional Water Quality Control Board (San Francisco Bay Area Region), this permitting effort is intended to improve water quality in the Delta and San Francisco Bay Estuary System, protect endangered species, and safeguard public waters and waterways for continued economic, recreation and health purposes; and

WHEREAS, stormwater runoff pollution has been identified as a significant impact on water quality and wildlife in the Bay Area by the State and Federal Government; and

WHEREAS, the City of Clayton's National Pollutant Discharge Elimination System (NPDES) permit was reissued in 2009 by the San Francisco Water Quality Control Board in, which added various mandates, including that related to Stormwater Management and Discharge Control, and

WHEREAS, the public necessity, conveniences and general welfare require the adoption of the proposed ordinance for compliance with the City's NPDES permit through the Municipal Regional Permit (MRP) issued by the San Francisco Regional Water Quality Control Board; and

WHEREAS, on March 19, 2013 the City Council held a public meeting to consider amending the Municipal Code, as proposed in the Ordinance amendments "Stormwater Management and Discharge Control"; considered the information contained in the staff report and any other written and public testimony; introduced and held first reading of said Ordinance; and

WHEREAS, the additions to the Municipal Code are categorically exempt under the California Environmental Quality Act (CEQA) pursuant to Section 15307, Class 7; and Section 15308, Class 8--actions by regulatory agencies for the protection of natural resources and;

WHEREAS, there is no evidence that the additions will have the potential for any individual or cumulative adverse effect on fish and wildlife resources or their habitat, as defined in Section 711.2 of the Fish and Game Code.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF CLAYTON DOES HEREBY ORDAIN AS FOLLOWS:

Section 1. Revocation and Amendment.

Chapter 13.12 of Title 13 of the Clayton Municipal Code, as adopted by Ordinance No. 379 is hereby revoked in its entirety and amended to read as follows:

“Chapter 13.12. Stormwater Management and Discharge Control

Section 13.12.010. Intent and Purpose.

A. The intent of this Chapter is to protect and enhance the water quality in the City of Clayton's watercourses pursuant to, and consistent with the Porter-Cologne Water Quality Control Act (Water Code section 13000 et seq.) and the Federal Clean Water Act (33 U.S.C. section 1251 et seq.).

B. This Chapter also carries out the conditions in the City's National Pollutant Discharge Elimination System (NPDES) permit that require implementation of appropriate source control and site design measures and stormwater treatment measures for development projects.

C. It is the purpose of the City Council in enacting this Chapter to protect the health, safety and general welfare of Clayton's citizens by:

1. minimizing non-stormwater discharges, whose pollutants would otherwise degrade the water quality of local streams, to the stormwater system.

2. minimizing increases in nonpoint source pollution caused by stormwater runoff from development that would otherwise degrade local water quality.
3. controlling the discharge to the City's stormwater system from spills, dumping or disposal of materials other than stormwater.
4. reducing stormwater run-off rates and volumes and nonpoint source pollution whenever possible, through stormwater management controls and ensuring that these management controls are properly maintained and pose no threat to public safety.

Section 13.12.020. Definitions.

The following words and phrases when used in this Chapter shall be as defined herein. Words and phrases in this Chapter and not otherwise defined shall be interpreted as defined in the regulations issued by the U.S. Environmental Protection Agency to implement the provisions of the Federal Clean Water Act, and as defined by the State Water Resources Control Board to implement the Porter-Cologne Act:

- A. Best management practices or "BMP" are structural devices, measures, stormwater management facilities, activities, prohibitions, or practices, general good housekeeping, pollution prevention practices, maintenance procedures and other management practices, to prevent or reduce the discharge of pollutants directly or indirectly to "waters of the United States," including watercourses, water bodies, and wetlands.
- B. City's NPDES permit shall mean the NPDES permit issued to the City of Clayton, Permit No. CAS612008, and any subsequent amendment, reissuance or successor to the NPDES permit.
- C. Construction shall mean any project, including projects requiring coverage under the General Construction Permit, that involves soil disturbing activities, including but not limited to, clearing, grading, paving, and disturbances to ground such as stockpiling and excavating. Construction sites are also all sites with disturbed or graded land area not protected by vegetation or pavement that are subject to a grading or building permit.
- D. Development shall mean construction, rehabilitation, redevelopment or reconstruction of any public or private residential project (whether single-family, multi-unit, or planned unit development) or industrial, commercial, retail or other nonresidential project, including public agency projects.

E. Development runoff requirements shall mean the provisions in the City's NPDES permit that contain performance standards to address both the construction and post-construction phase impacts of new projects and redevelopment projects on stormwater quality, as well as any requirements imposed by the director pursuant to a permit or other regulatory action.

F. Director shall mean the City Manager of the City of Clayton or his or her designee.

G. Enforcement officer or Officer shall mean those individuals designated by the director to act as authorized enforcement officers.

H. Guidebook shall mean the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook.

I. Non-stormwater discharge is any addition of any pollutant to the City's stormwater system, except discharges pursuant to a NPDES permit, or discharges further exempted in Section 13.12.060(c) and (d) of this Chapter.

J. Pollutant shall mean any material other than stormwater including, but not limited to, petroleum products or by-products, solid waste, incinerator residue, sewage, sewage sludge, garbage, heat, chemical waste, biological materials, radioactive materials, wrecked or discarded equipment, rock, sand, soil and industrial, municipal or agricultural waste discharged into the water or stormwater system.

K. Premises shall mean any land, building, structure, facility, or installation, (including a building's grounds or other appurtenances), and adjacent sidewalks and parking strips.

L. Redevelopment shall mean land disturbing activity that results in the creation, addition, or replacement of exterior impervious area on a site on which some past development has occurred.

M. Regional Board shall mean the California Regional Water Quality Control Board, San Francisco Bay Region.

N. Responsible person shall mean the owner or occupant of any premises or who engages in, permits, or oversees any activity from which there is or may be a non-stormwater discharge

or any person who releases pollutants to the City's stormwater system.

O. Stormwater shall mean storm water runoff, snow melt runoff, surface runoff and drainage flow on the surface of the ground resulting from precipitation.

P. Stormwater management facility shall mean any BMP or any device that utilizes detention, retention, filtration, harvest for reuse, evapotranspiration or infiltration to provide treatment (and/or control volume, flows, and durations) of stormwater for purposes of compliance with development runoff requirements.

Q. Stormwater control plan shall mean a plan that meets those criteria contained in the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook.

R. Stormwater system is that system of facilities by which stormwater may be conveyed to any stream, watercourse, other body of water or wetlands, including flood control channels, any roads with drainage systems, city streets, catch basins, curbs, gutters, ditches, improved channels, storm drains or storm drain system, which are not part of a Publicly Owned Treatment Works ("POTW") as that term is defined in 40 CFR section 122.2.

Section 13.12.030. Responsibility for Administration.

The director or his or her designee shall administer this Chapter for the City.

Section 13.12.040. Construction and Application.

This Chapter shall be construed consistent with the requirements of the Federal Clean Water Act and amendments thereto or applicable implementing regulations and the City's NPDES permit.

Section 13.12.050 Stormwater Control Plan Required.

A. In accordance with thresholds and effective dates in the City's NPDES Permit, every application for a development project, including but not limited to a rezoning, tentative map, parcel map, conditional use permit, variance, site development permit, grading permit, encroachment permit, design review, or building permit that is subject to the development runoff requirements in the City's NPDES permit shall be accompanied by a stormwater control plan that meets the criteria in the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook.

B. Implementation of an approved stormwater control plan and submittal of an approved stormwater control operation and maintenance plan by the applicant shall be a condition precedent to a final building inspection or the issuance of a certificate of occupancy for a project subject to this section.

C. All stormwater management facilities shall be designed in a manner to minimize the need for maintenance and reduce the chances of failure. Design guidelines are outlined in the Guidebook.

D. All stormwater management facilities shall be maintained according to the Guidebook and the approved stormwater control operation and maintenance plan. The person(s) or organization(s) responsible for maintenance shall be designated in the stormwater control operation and maintenance plan. Unless a different time period is provided for in the plan, those responsible for maintenance shall inspect the stormwater management facility at least annually. The stormwater control operation and maintenance plan shall also describe how the maintenance costs will be funded. Upon the failure of a responsible person to maintain a stormwater management facility in accordance with this Chapter or the plan, the City may perform the maintenance and recover its costs from the responsible person as provided in sections 13.12.100, 13.12.170 and 13.12.180.

E. A property owner shall, through recorded covenants or easements, provide the City, the Contra Costa Mosquito and Vector Control District, and the Regional Board access to stormwater management facilities for inspections and maintenance.

Section 13.12.060. Prohibited Discharges.

A. The discharge of non-stormwater to the City stormwater system is prohibited.

B. The discharge of stormwater from any premises and any activity that may cause or contribute to prohibited discharge, to a violation of receiving water limitations in the City's NPDES permit, or to a nuisance within the meaning of California Water Code section 13050 is prohibited.

C. The following discharges are exempt from the prohibition set forth in subsection (a) above, unless determined by the director to be a source of pollutants to or from the stormwater system or to receiving waters:

1. any discharge in compliance with a NPDES permit issued to the discharger.

2. flows from riparian habitats and wetlands, diverted stream flows, flows from natural springs, rising ground waters, uncontaminated and unpolluted groundwater infiltration, single-family homes' pumped groundwater, foundation drains, and water from crawl space pumps and footing drains, and pumped groundwater from drinking water aquifers.

D. The following discharges are exempt from the prohibition set forth in subsection (a) above, if and only if the director identifies such discharge as not being a source of any pollutant to the stormwater system or to a receiving water or if control measures required by the director and as set forth in Section C.15 of the City's NPDES permit are properly implemented: pumped groundwater from non-drinking-water aquifers; pumped groundwater from other sources, foundation drains, and water from crawl space pumps and footing drains;

air conditioning condensate; planned discharges from routine operation and maintenance activities in the potable water distribution system; unplanned discharges from breaks, leaks, overflows, fire hydrant shearing, or emergency flushing of the potable water distribution system; emergency discharges of the potable water distribution system as a result of firefighting, unauthorized hydrant openings, or natural or man-made disasters; individual residential car washing; swimming pool, hot tub, spa, and fountain water discharges, and discharges from irrigation water, landscape irrigation, and lawn or garden watering.

Section 13.12.070. Discharge in Violation of NPDES Permit

Any discharge that may result in or contribute to a violation of the City's NPDES permit either separately considered or when combined with other discharges, is prohibited. Liability for any such discharge shall be the responsibility of the person causing or responsible for the discharge, and such person shall defend, indemnify and hold harmless the City in any administrative or judicial enforcement action relating to such discharge.

Section 13.12.080. Unlawful Discharge and Unlawful Connections.

A. It is unlawful to allow, permit, establish, use, maintain or continue unauthorized drainage connections to the City's stormwater system, or to commence or continue any unauthorized discharges to the City's stormwater system.

B. No discharge shall cause the following conditions, create a nuisance, adversely affect beneficial uses of waters of the State, or cause or contribute to a violation of any applicable water quality standard for receiving waters:

1. floating, suspended or deposited macroscopic matter or foam;
2. bottom deposits or aquatic growth;
3. alterations of temperature, sediment load, nutrient load, or dissolved oxygen, which cause significant adverse impacts to native aquatic biota;
4. visible, floating, suspended or deposited oil or products of petroleum origin; or,
5. substances present in concentrations or quantities which cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption.

Section 13.12.090. Best Management Practices and Standards.

A. Generally. Any person owning or operating premises that may contribute pollutants to the City's stormwater system shall undertake best management practices to reduce the potential for pollutants entering the system to the maximum extent practicable. Examples of

such premises include, but are not limited to, parking lots, gasoline stations, industrial facilities, and other commercial enterprises. Examples of best management practices include, but are not limited to, those described in publications by the United States Environmental Protection Agency, the California Water Boards, the California Stormwater Quality Association, the Bay Area Stormwater Management Agencies Association, the Contra Costa Clean Water Program, and the City of Clayton.

B. Litter. No person shall throw, deposit, leave, keep or permit to be thrown, deposited, placed, left or maintained, any refuse, rubbish, garbage or other discarded or abandoned objects, articles or other litter in or upon any street, alley, sidewalk, business place, creek, stormwater system, fountain, pool, lake, stream, river or any other body of water, or upon any public or private parcel of land so that the same might become a pollutant, except in containers or in lawfully established waste disposal facilities.

C. Sidewalks. The occupant or tenant, or in the absence of occupant or tenant, the owner or proprietor of any real property in front of which there is a paved sidewalk shall maintain said sidewalk free of dirt or litter to the maximum extent practicable. Sweepings from the sidewalk shall not be swept or otherwise made or allowed to go into the gutter or roadway, but shall be disposed of in receptacles maintained as required for the disposal of solid waste.

D. Maintenance of Facilities and Landscaped Areas. Every responsible person shall implement Best Management Practices to minimize the release of pesticides, fertilizers, herbicides, and other related materials used to maintain landscaping and facilities.

E. Parking Lots, Paved Areas and Related Stormwater Systems. Persons owning, operating or maintaining a paved parking lot, the paved areas of a gasoline station, a paved private street or road, or similar structure, and related stormwater systems shall clean those premises as frequently and thoroughly as practicable in a manner that does not result in the discharge of pollutants to the City's stormwater system. As part of an enforcement action pursuant to this Chapter, the director may require installation and maintenance of BMPs to prevent the discharge of trash or other pollutants from private parking lots, streets, roads, and drainage facilities into the stormwater system. Failure or refusal to comply with such a requirement is prohibited and shall constitute a separate violation of this Chapter.

F. Construction Activities. In addition to any other requirement imposed by this Chapter, all construction projects shall incorporate site-specific BMPs, which can be a combination of BMPs from the California BMP Handbook, Construction January 2003, the Caltrans Stormwater Quality Handbooks, Construction Site Best Management Practices, the San Francisco Bay Regional Water Quality Control Board Erosion and Sediment Control Field Manual, 2002, the City's NPDES Permit, the City's grading and erosion control ordinance, generally accepted engineering practices for erosion control, and any other conditions required by the director when undertaking construction activities. The director may establish controls on the rate, volume, and duration of stormwater runoff from new developments and redevelopment as may be appropriate to minimize the discharge and transport of pollutants.

G. Notification of Intent and Compliance with General Permits. Each discharger associated with construction activity or other discharger described in any general stormwater permit

addressing discharges, as may be adopted by the United States Environmental Protection Agency, the State Water Resources Control Board, or the Regional Board shall provide the director with the notice of intent, comply with and undertake all other activities required by any general stormwater permit applicable to such dischargers. Each discharger identified in an individual NPDES permit relating to stormwater discharges shall comply with and undertake all activities required by the permit.

H. **Development Runoff Requirements.** Every applicant for a new development and redevelopment project subject to the development runoff requirements shall submit a stormwater control plan and implement conditions of approval that reduce stormwater pollutant discharges through the construction, operation and maintenance of treatment measures and other appropriate source control and site design measures. Similarly, increases in runoff volume, flows, and durations shall be managed in accordance with the development runoff requirements.

I. **Stormwater Pollution Prevention Plan.** The director may require any business or utility in the City that is engaged in activities that may result in non-stormwater discharges or runoff pollutants to develop and implement a stormwater pollution prevention plan, which must include an employee training program. Business activities which may require a stormwater pollution prevention plan include maintenance, storage, manufacturing, assembly, equipment operations, vehicle loading, fueling, vehicle maintenance, food handling or processing, or cleanup procedures, carried out partially or wholly out of doors.

J. **Coordination with Hazardous Material Release Response and Inventory Plans.** Any business subject to the Hazardous Material Release Response and Inventory Plan, Division 20, Chapter 6.95 of the California Health and Safety Code (commencing with section 25500), shall include, in that Plan, provision for compliance with this Chapter, including the prohibitions of non-stormwater discharges and the requirement to reduce release of pollutants to the maximum extent practicable.

Section 13.12.100. Reserved.

Section 13.12.110. Authority to Inspect.

A. **Generally.** The director and officer shall have the authority to enter property and make an inspection to enforce and carry out the provisions of this Chapter. Routine or scheduled inspections shall be based upon as reasonable a selection process as may be deemed necessary to carry out the intent of this Chapter, including, but not limited to, random sampling or sampling in areas with evidence of stormwater contamination, evidence of the discharge of non-stormwater to the stormwater system, inspection of stormwater treatment and flow-control facilities for proper operation and evidence of routine and corrective maintenance, or similar activities. Inspections may also be conducted in conjunction with routine or scheduled inspections conducted by other public agencies or special districts, including but not limited to the Central Contra Costa Sanitary District, the Contra Costa County Fire Protection District, County Environmental Health Department, the Contra Costa Mosquito and Vector Control District, or the Regional Board. The City Council may by resolution establish a schedule of fees for inspections.

B. **Authority to Sample and Establish Sampling Devices.** With the consent of the owner or

occupant, or pursuant to a search or inspection warrant, the officer may establish on any property such devices as are reasonably necessary to conduct sampling or metering operations. During all authorized inspections, the officer may take any sample deemed necessary to aid in the pursuit of the inquiry or in the recordation of the activities on site.

C. Notification of Spills. All persons in charge of the premises or responsible for emergency response for the premises have a responsibility to train premises' personnel and maintain notification procedures to ensure that immediate notification is provided to the City of any suspected, confirmed or unconfirmed release of pollutants creating a risk of non-stormwater discharge into the City stormwater system.

As soon as any person in charge of the premises or responsible for emergency response for the premises has knowledge of any suspected, confirmed or unconfirmed release of non-stormwater discharge entering the City stormwater system, such person shall take all necessary steps to ensure the detection and containment and clean up of such release and shall notify the City of the occurrence by telephoning the director. This notification requirement is in addition to and not in lieu of other required notifications.

D. Requirement to Test or Monitor. The officer may require that any person engaged in any activity or owning or operating any premises that may cause or contribute to non-stormwater discharges, undertake such monitoring activities or analysis and furnish such reports as the officer may specify. The burden, including costs of these activities, analysis and reports shall bear a reasonable relationship to the need for the monitoring, analysis and reports and the benefits to be obtained. The recipient of such request shall undertake and provide the monitoring, analysis and reports required.

E. Cost Recovery. If an inspection pursuant to this section results in an enforcement action, the City may issue an invoice of costs and recover in an enforcement action its reasonable inspection costs.

Section 13.12.120. Violations Constituting Misdemeanors or Infractions.

The violation of any provision of this Chapter, or failure to comply with any of the mandatory requirements of this Chapter shall constitute a misdemeanor, except that notwithstanding any other provisions of this Chapter, any violation constituting a misdemeanor under this Chapter may, at the discretion of the director, officer or city attorney, be charged and prosecuted as an infraction.

Section 13.12.130. Penalty for Violation.

A. Upon conviction of a misdemeanor, a person shall be subject to payment of a fine, or imprisonment, or both, not to exceed the limits set forth in California Government Code section 36901.

B. Upon conviction of an infraction, a person shall be subject to payment of a fine, not to exceed the limits set forth in California Government Code section 36900.

Section 13.12.140. Continuing Violation.

Every day that any violation of this Chapter shall continue shall constitute a separate offense.

Section 13.12.150. Concealment.

Concealing, aiding or abetting a violation of any provision of this Chapter shall constitute a violation of such provision.

Section 13.12.160. Acts Potentially Resulting in Violation of the Federal Clean Water Act or Porter-Cologne Act.

Any person who violates any provision of this Chapter, or the provisions of any permit issued pursuant to this Chapter, or who releases a non-stormwater discharge, or who violates any cease and desist order, prohibition or effluent limitation, may also be in violation of the Federal Clean Water Act or the Porter-Cologne Act and may be subject to the enforcement provisions of those acts, including civil and criminal penalties. Any enforcement actions authorized pursuant to this Chapter may also include notice to the violator of such potential liability pursuant to federal or state law.

Section 13.12.170. Violations Deemed a Nuisance.

In addition to the penalties provided herein, any condition caused or permitted to exist in violation of any of the provisions of this Chapter is a threat to the public health, safety and welfare. Such condition is hereby declared and deemed to be a nuisance, which may be abated as provided in Chapter 8.08 of Title 8 (commencing with section 8.08.010) of this Code including the assessment of the costs of abatement which may be collected at the same time and in the same manner as ordinary municipal taxes as provided by Government Code section 38773.5, and by civil action to abate, enjoin or otherwise compel the cessation of such nuisance by the City Attorney.

Section 13.12.180. Civil Actions.

A. In addition to any other remedies provided in this Chapter, any violation of this Chapter may be enforced by civil action brought by the City. In any such action, the City may seek, as appropriate, any and all of the following remedies:

1. a temporary restraining order, preliminary injunction and permanent injunction;
2. an action for an unlawful business practice pursuant to Business and Professions Code section 17206;

B. Any person violating any provision of this Chapter shall be liable for:

1. reimbursement for the costs of any investigation, inspection or monitoring which led to the discovery of the violation;
2. costs incurred in removing, correcting, or terminating the adverse effect(s) resulting from the violation;
3. compensatory damages for the loss of, or destruction to, water quality, wildlife, fish or aquatic life. Costs and damages under this subsection shall be paid to the City and shall be used exclusively for costs associated with monitoring and establishing a stormwater discharge pollution control system and implementing or enforcing the provisions of this Chapter;

4. the cost of maintenance and repair of any BMP or stormwater management facility that is not maintained in accordance with the guidebook or the stormwater control plan;

5. the reasonable costs of preparing and bringing administrative action under this Chapter.

Section 13.12.190. Remedies Not Exclusive.

The remedies identified in this Chapter are in addition to, and do not supersede or limit, any and all other remedies, administrative, civil or criminal. The remedies provided for herein shall be cumulative and not exclusive.

Section 13.12.200. Administrative Remedies.

A. In addition to any other remedies provided in this Chapter, any violation of this Chapter may be enforced by the following administrative remedies:

1. Notice of Violation. The director or officer may deliver to the owner or occupant of any premises, or to any person responsible for a violation of any provision of this Chapter a Notice of Violation in accordance with Chapter 1.14 of Title 1 of this Code. The Notice of Violation shall identify the provision(s) of this Chapter or the applicable permit or regulatory order which has been violated and shall state that continued noncompliance may result in additional enforcement actions against the owner, occupant and/or responsible person.

2. Suspension or Revocation of Permit. The director may suspend or revoke any City-issued permit when it is determined that:

i. The permittee has violated any term, condition or requirement of the permit or any applicable provision of this Chapter; or

ii. The permittee's discharge or the circumstances under which the discharge occurs have changed so that it is no longer appropriate to except the discharge from the prohibitions on prohibited discharge contained within this Chapter; or

iii. The permittee fails to comply with any schedule for compliance issued pursuant to this Chapter; or

iv. Any regulatory agency, including EPA or a Regional Water Quality Control Board having jurisdiction over the discharge, notifies the City that the discharge should be terminated; or

v. Any other circumstances where the director determines in his or her sole discretion that continuation of the discharge will result in substantial harm to public health or the environment.

3. **Permit Modification.** The director may modify any permit provided that the permittee shall be informed of any change in the permit terms and conditions at least forty-five (45) business days prior to the effective date of the modified permit when it is determined that:

- i. Federal or state law requirements have changed in a manner that necessitates a change in the permit; or
- ii. The permittee's discharge or the circumstances under which the discharge occurs have changed so that it is appropriate to modify the permit's terms, conditions or requirements; or
- iii. A change to the permit is necessary to ensure compliance with the objectives of this Chapter or to protect the quality of receiving waters.

B. **Cease and Desist Order.** The director or officer may deliver to the owner or occupant of any premises, or to any person responsible for a violation of any provision of this Chapter a Cease and Desist Order. The Cease and Desist Order shall be delivered in accordance with Section 13.12.210. The Cease and Desist Order may direct the recipient to:

1. Immediately discontinue any action constituting a violation of this Chapter;
2. Immediately contain or divert any flow of non-stormwater off the premises where the flow is occurring in violation of any provision of this Chapter;
3. Clean up the area affected by the violation; and
4. Implement BMPs necessary to prevent a future violation.

Section 13.12.210. Notice.

Unless otherwise required under Chapter 1.14, any notice or order to be delivered pursuant to this Chapter shall be subject to the following:

A. The notice or order shall state that the recipient has a right to appeal the matter as set forth in Section 13.12.220 or in Section 1.14.060.

B. Delivery shall be deemed complete upon personal service to the recipient; deposit in the U.S. mail, postage pre-paid for first class delivery; or facsimile service with confirmation of receipt.

C. Where the recipient is the owner of the property, the address shall be the address from the most recently issued equalized assessment roll for the property or as otherwise appears in the current records of the City.

D. Where the owner or occupant of any property cannot be located after the reasonable efforts the notice shall be deemed delivered after posting on the property for a period of ten (10) business days.

Section 13.12.220. Appeal.

Except as provided for a notice of violation under Section 1.14.060, any person aggrieved by the decision of the officer, may file a written appeal to the director within 10 (ten) days following the date of delivery of the decision. Upon receipt of such request, the director shall request a report and recommendation from the officer and shall set the matter for hearing at the earliest practical date. At said hearing, all evidence and testimony deemed relevant and admissible by the Director shall be considered, and the Director may reject, affirm, or modify the officer's decision. Formal rules of evidence shall not apply. The decisions of the director shall be final. Failure to request a hearing or appear at the hearing shall constitute a waiver and failure to exhaust administrative remedies.

Section 13.12.230. Judicial Review.

The provisions of Code of Civil Procedure section 1094.5 are applicable to judicial review of determinations made by the director pursuant to this Chapter.”

Section 2. Action to Challenge This Ordinance.

Any action or proceeding to attack, review, set aside, void or annul this ordinance must

be commenced and the service made on the City no later than ninety (90) days after the effective date of the ordinance.

Section 3. Conflicting Ordinances Repealed.

Any ordinance or part thereof, or regulations in conflict with the provisions of this ordinance, are hereby repealed. The provisions of this ordinance shall control with regard to any provision of the Clayton Municipal Code that may be inconsistent with the provisions of this ordinance.

Section 4. Severability.

If any section, subsection, sentence, clause or phrase of this ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council hereby declares that it would have passed this ordinance and each section, subsection, sentence, clause or phrase thereof irrespective of the fact that any one or more section, subsection, sentence, clause or phrase thereof be declared unconstitutional, invalid or ineffective.

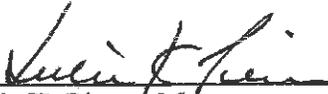
Section 5. Effective Date and Publication.

This ordinance shall become effective thirty (30) days after its adoption by the City Council. Within fifteen (15) days after the passage of the ordinance, the City Clerk shall cause a copy of the ordinance, including the names of the City Council members voting for and against it, to be posted in three (3) public places heretofore designated by resolution of the City Council for the posting of ordinances and public notices.

The foregoing Ordinance was introduced at a regular meeting of the City Council of the City of Clayton held on the 19th day of March 2013, and PASSED, ADOPTED AND ORDERED posted at a regular meeting of the City Council of the City of Clayton on the 2nd day of April 2013, by the following vote:

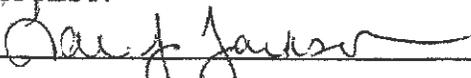
AYES: Mayor Pierce, Vice Mayor Stratford, Councilmembers Diaz, Geller and Shuey.
NOES: None.
ABSENT: None.
ABSTAIN: None.

APPROVED:



Julie K. Pierce, Mayor

ATTEST:



Laci Jackson, City Clerk

Laure/Ordinance re stormwater management discharge control 2013

CERTIFICATE OF TRAINING

CALIFORNIA CONSTRUCTION GENERAL PERMIT

QUALIFIED SWPPP DEVELOPER (QSD) AND QUALIFIED SWPPP PRACTITIONER (QSP)

Richard Angrisani

Apr 21, 2015 - Jul 19, 2017

Certificate # 00927



California Stormwater Quality Association and
California Construction General Permit Training Team

Attachment C6(F)

Attachments City of Clayton for Section C-7

Fiscal Year 2014/15 Public Information/Participation Program/BASMAA Events and Activities

	C.7.c. - Use of Free Media - Participate in or contribute to a media relations campaign, at the program, regional, an/or local levels. Maximize use of free media.		C.7.e. - Public Outreach Events - Participate in and/or host events such as fairs, shows, workshops to reach a broad spectrum of the community with both general and specific stormwater runoff pollution prevention messages.		C.7.f. - Watershed Stewardship Collaborative Events - Individually or collectively encourage and support watershed stewardship collaborative efforts of community groups such as the CCWF, Friends of Creeks, etc.		C.7.g. Citizen Involvement Events - Individually or collectively support citizen involvement events which provide the opportunity for citizens to directly participate in water quality and aquatic habitat improvement, such as clean ups and volunteer monitoring.		C.7.h. - School-Age Children Outreach - Individually or collectively implement outreach activities designed to increase awareness of stormwater and/or watershed messages in school-age children (K-12).		C.9.h. - Public Outreach to PCOs & Residents - Conduct outreach to consumers at point of purchase including participation in the Our Water Our World program. Outreach to residents who use or contract for structural or landscape pest control.	
	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events
ANTIOCH	6	#3	5	#2, 7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
BRENTWOOD	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
CLAYTON	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
CONCORD	6	#3	5	#2, 7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
COUNTY	6	#3	5	#2, 7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
DANVILLE	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
EL CERRITO	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
FLOOD CONTROL	6	#3	6	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
HERCULES	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
LAFAYETTE	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
MARTINEZ	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
MORAGA	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
OAKLEY	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
ORINDA	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
PINOLE	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
PITTSBURG	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
PLEASANT HILL	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
RICHMOND	6	#3	5	#2, 7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
SAN PABLO	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
SAN RAMON	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
WALNUT CREEK	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12

1. 2015 Community Watershed Stewardship Grant Program
2. May 2015 "Bringing Back the Natives" Garden Tours
3. 6 "Use of Free Media" BASMAA Press Releases
4. Program Participation on the Contra Costa Watershed Forum
5. "Be Classy Not Trashy" Youth Outreach Litter Campaign
6. Mr. Funnelhead School, City/County Events and TV Ads
7. Our Water Our World (Includes Tabling/Outreach Events at Stores)
8. Green Business Program
9. Website: CCCleanWater.org Community Calendar
10. Website: MyGreenGarden.org
11. Pesticides Linger Campaign
12. Petstircides Campaign

Attachments
c7c, e, f, g, h

We Help You Recycle Construction and Demolition Debris

Allied Waste Services has the expertise and services that make it easier for builders and contractors to comply with laws that regulate the recycling and diversion of construction and demolition (C&D) debris from landfills.

Complying with Regulations

Allied Waste Service's staff will help you deal with the different rules and regulations in the communities where you do business and make recycling construction and demolition debris easier for you.

Does your building need to be LEED certified?

We can help your company cut through the red tape and paperwork and ensure that you receive proper documentation verifying that what you deliver to us meets all local regulations.

Call (925) 457-2317 with any questions.

Single-Source, Separated Debris: Lower Rates

Customers can save by delivering single-source loads. These loads must contain only one kind of recyclable material. No garbage of any kind is allowed.

To create single-source loads and qualify for lower rates, customers must separate debris and construction material and place each type of material in individual debris boxes, i.e., a debris box for wood, another for metal, another for concrete and so on.

The following are accepted for single-source loads:

- Asphalt
- Concrete
- Dirt
- Metals (ferrous and nonferrous)
- Lumber
- Paper and cardboard

Please note: Contaminated debris boxes will be treated as garbage and charged at standard garbage rates.

Call (925) 457-2317 for details and information

about the debris you are planning to recycle with Allied Waste Services.

Commingled Loads

To comply with local construction and demolition debris ordinances, customers must fill 50 percent or more of their debris boxes with recyclable materials. Recyclables can be any or a combination of the following:

- Cardboard
- Carpet padding
- Lumber and wood, including painted wood
- Metals
- Shake roofing
- Sheetrock, drywall, plasterboard, wallboard
- Small pieces and quantities of asphalt paving, concrete and rocks

Unacceptable materials in mixed loads include liquids, heavy steel plates, concrete tile roofing, creosote treated wood (railroad ties, utility poles, pressure-treated wood), hazardous wastes, including computer monitors, televisions, chemicals and paint.

Debris Box Service

To order a debris box and for more information about recycling construction and demolition debris, call us at (925) 457-2317.

Construction Contact

For further information contact Construction Representative Norm Bumgarner directly.

- Office: (925) 671-5820
- Cell: (510) 435-4203
- Fax: (925) 685-4735
- Email: nbumgarner@republicservices.com



PRESORTED
FIRST CLASS
U.S. MAIL PERMIT
NO. 9947 HILLSIDE
PERMIT NO. 122



441 N. Buchanan Circle
Pacheco, CA 94553
<http://awrec.com>



RECYCLE CONSTRUCTION & DEMOLITION DEBRIS



(925) 457-2317

Recycling Options: Single-Source or Commingled Debris

Local construction and demolition debris ordinances require customers to fill 50 percent or more of their debris boxes with recyclable materials in commingled loads.

Customers can save by filling a debris box with just one kind of recyclable material for single-source loads.

The charts to the right offer guidelines for single-source and commingled loads for recyclable materials listed below:

Asphalt Paving and Roofing

Black or brown, tar-like material mixed with aggregate used as a paving material. Also composite shingles or other roofing material made with asphalt. (Prefer 2 ft. x 2 ft. x 1 ft. pieces.) No bricks.

Cardboard

Corrugated cardboard boxes. No wax-coated materials.

Carpet Padding

Used carpet padding and remnants of padding from newly installed carpeting.

Concrete

Material made from sand, aggregate gravel, cement mix and water, including pieces of building foundations, concrete paving, and concrete blocks. (Prefer 2 ft. x 2 ft. x 1 ft. pieces; small amount of rebar OK.)

Drywall (Gypsum Board)

Interior wall covering made of a sheet of gypsum sandwiched between paper layers. Gypsum board may be called sheetrock, drywall, plasterboard, gyboard, gyproc or wallboard. Must be clean. No wire meshing, paper or cardboard.

Lumber and Shake Roofing

Processed wood for building, manufacturing, landscaping, packaging and from demolition including lumber cutoffs, plywood and particleboard, wood scraps, pallets, fencing, shake roofing, siding. No creosote or lead-based paint. Nails OK.

Metals

All ferrous and non-ferrous metals. Office furniture and fixtures, metal doors and framing, appliances, including heaters, freezers, refrigerators and air conditioners (additional fee required for removal of Freon and mercury switches).

Rocks

Stones and rocks of any size and shape including pebbles. No bricks. No sandstone.

Soil and Fines

Soil, dirt, and other matter. Examples: sand, clay, soil and other fines. No rocks, sod or concrete.

COMMINGLED LOADS

Guidelines

- Contents of debris box must contain a minimum of 50% of recyclable material.
- Any of the materials pictured below can be used to meet that requirement.



Cardboard



Carpet Padding



Drywall
(Gypsum Board)



Lumber, Shake Roofing



Metals

NOT Acceptable

- No liquids, chemicals or paint.
- No hazardous materials including TVs and computer monitors and other electronic waste.
- No heavy steel plates, concrete tile roofing, creosote treated wood (railroad ties, utility poles, pressure-treated wood).

SINGLE-SOURCE LOADS

Guidelines

- Debris box must contain 100% of one type of recyclable material.
- Any of the materials pictured below can be used to meet that requirement.



Asphalt Paving
and Roofing



Cardboard



Concrete



Lumber, Shake Roofing



Rocks



Soil and Fines

NOT Acceptable

- No garbage.
- No liquids, chemicals or paint.
- No hazardous materials including TVs and computer monitors and other electronic waste.
- No heavy steel plates, concrete tile roofing, creosote treated wood (railroad ties, utility poles, pressure-treated wood).

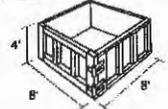
DEBRIS BOX SIZES

Guidelines

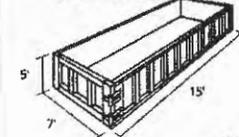
Commingled construction and recycle debris in 20-, 30- or 40-cubic-yard boxes. Heavy-weight materials should be placed in 8-cubic-yard boxes.

Heavy-weight materials include asphalt, concrete, rock and dirt.

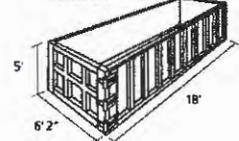
8 Cubic Yards



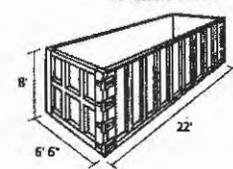
20 Cubic Yards



30 Cubic Yards



40 Cubic Yards



Easy Access to Information

Check the Allied Waste Services of Contra Costa County website or call for more information.

• Phone: (925) 603-1383

• Web: www.awsecc.com.

Easier to Recycle More

To enhance the City of Clayton's curbside recycling program and create increased convenience for customers to recycle, Allied Waste Services is offering Clayton customers a number of expanded recycling services so that at least 50% or more of all solid waste in Clayton is recycled as required by state law.

New and Additional Services Provided at NO CHARGE

NO CHARGE for an additional recycling cart.



NO CHARGE for a bigger recycling cart. Curbside recycling collection is unlimited as long as materials stay in the cart to avoid littering.



NO CHARGE and no limit for curbside collection of bulky items. To arrange a pickup, please call customer service at (925) 685-4711.

NO CHARGE for an additional yard waste cart.



NO CHARGE for a larger yard waste cart. Exchange your 64-gallon yard waste cart for a 96-gallon one.



RECYCLE household batteries and compact fluorescent bulbs curbside. Place in quart-size Ziploc bags next to recycling cart.

QUESTIONS? Call (925) 685-4711.



NO CHARGE for collection of e-waste. Call (925) 685-4711 to schedule a pickup.

For Household Hazardous Waste
Call (800) 646-1431
Central Sanitary District
4797 Ingham Pl., Martinez, CA



ALLIED WASTE SERVICES
A REPUBLIC SERVICES COMPANY
www.qlwccc.com

NEVER PUT SHARPS IN A RECYCLING OR TRASH CART

A BIOHAZARD
 Unless properly disposed of, sharps (needles & lancets) can:

- Injure workers
- Cause infections
- Spread disease
- Harm the environment

Please see other side for proper disposal and more information.

NO SHARPS in Your Brown/Burgundy Recycle Cart

NO SHARPS in Your Blue Trash Cart

WHY YOU SHOULD NEVER PUT SHARPS IN A RECYCLING CART

Recyclables must be sorted by hand. Any sharp placed in your recycling cart/bin can stick a worker or puncture his or her gloves, left. See guidelines at right for the proper disposal of sharps.

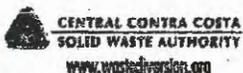
The Proper Way to Dispose of Sharps

By state law it is illegal to discard your sharps (needles and lancets) in household (or commercial) recycling or garbage. They must be placed in a certified sharps container and dropped off or sent to facilities licensed to handle biohazardous materials. Local and nearby dropoff sites include the following:

- Alamo Sheriff's Substation — 150 Alamo Plaza, Suite C, Alamo
- Benicia Fire Station — 150 Military West, Benicia
- Clayton City Hall — 6000 Heritage Trail, 2nd Floor, Clayton
- Delta Household Hazardous Waste Collection Facility, 2500 Pittsburg-Antioch Hwy., Pittsburg
- Lafayette Fire Station — 3338 Mt. Diablo Blvd., Lafayette
- Moraga Fire Station — 1280 Moraga Way, Moraga
- Mt. View Sanitation District — 3800 Arthur Road, Martinez
- Orinda Police Department — 22 Orinda Way, Orinda
- Rossmore Medical Center Pharmacy — 1220 Rossmore Pkwy., Walnut Creek
- San Ramon Fire District — 1500 Bollinger Canyon Road, San Ramon
- Walnut Creek City Hall — 1666 N. Main St., Walnut Creek



♻️ Printed on Recycled Paper





City of Clayton Pharmaceutical and Sharps drop off bins available to public during office hours

Located at City Hall 2nd Floor (Police Dept. Lobby)

Household Hazardous Waste Collection Facility

4797 Imhoff Place, Martinez, CA 94553-4392
1-800-646-1431 • www.centrialsan.org



Protecting Public Health and the Environment

HOURS OF OPERATION

Residents:
(no appointment needed)

Monday through Saturday:
9 a.m. - 4 p.m.

Businesses:

Monday through Saturday
By appointment only

Closed:

Sunday
and most major holidays

The Solution to Pollution

Many products in your home contain chemical compounds that can poison, corrode, explode, or ignite when handled improperly. (See list of items on reverse.) When discarded, these substances become household hazardous waste (HHW) and can threaten human health and the environment. For this reason, it is illegal to dispose of HHW in the trash or down any drain. That is why the Central Contra Costa Sanitary District established the HHW Program—to provide local residents with convenient and environmentally safe HHW disposal.

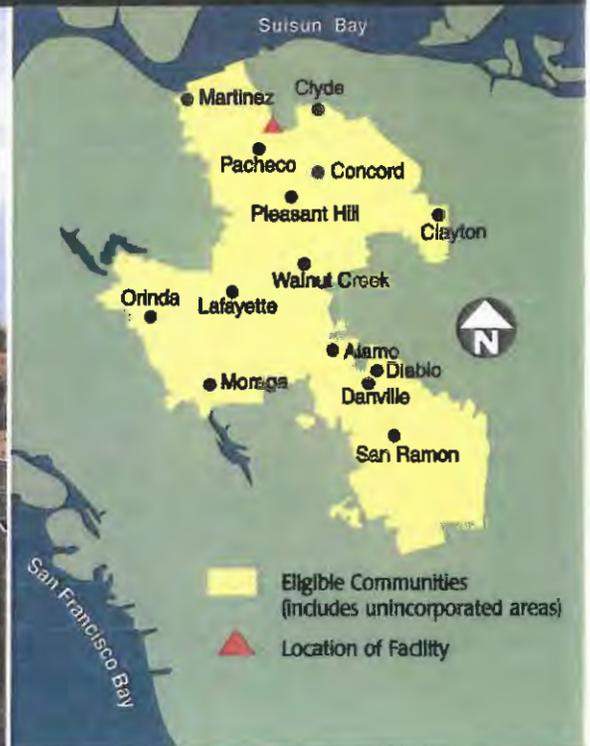
Hazardous wastes brought to our Household Hazardous Waste Collection Facility will never reach waterways through sewers, storm drains, or landfills. To help prevent pollution of our water environment, please bring your HHW to the facility.



THERE IS NO DROP-OFF FEE FOR ELIGIBLE RESIDENTS!

COMMUNITIES ELIGIBLE TO USE THE FACILITY

The collection program services are paid for by members of the communities on the map at right as part of their sewer service charge. Partnership agreements between CCCSD, MVSD, Concord, Clayton, and San Ramon (for southern area) ensure that all central county residents have access to these services.



What Can You Bring to the Household Hazardous Waste Facility?

Household products

- Batteries
- Fluorescent bulbs & compact fluorescent lights (CFLs)
- Mercury thermostat switches
- Grouts/caulking
- Pool chemicals

Paint and paint-related products

- Latex & oil-based paints
- Wood stain & varnishes
- Paint remover/paint thinner & solvents



Household cleaning products

- Bleach
- Liquid cleaners
- Upholstery/rug cleaners
- Oven cleaners
- Furniture polishes
- Tub & tile cleaners

Personal care products

- Mercury fever thermometers
- Fingernail polish & remover
- Hair care products
- Perfumes & colognes

Automotive products

- Motor oil
- Gasoline
- Antifreeze
- Brake fluid
- Transmission fluid
- Solvents
- Car batteries
- Car cleaning products

Garden care and pest-control products

- Pesticides
- Herbicides
- Fertilizers

Other

- Cooking oils and grease (large quantities, as from a turkey fryer)
- Propane tanks (5 gallon or less)



Free Stuff !

The facility has a Reuse Room stocked with items brought in for disposal that are still in useable condition. The inventory often includes paint, wood stain, garden products and a wide variety of cleansers—and they're all free to facility users! The Reuse Room is open Tuesday – Saturday, 9 a.m. – 3:30 p.m.

We do not accept:

- Medicines
- Medical wastes (including sharps—syringes, needles, lancets, etc.)
- Electronic waste (computers, TVs, cell phones, etc.)
- Explosives (ammunition, picric acid, fireworks, etc.)
- Compressed gas cylinders (propane accepted)
- Wastes contaminated with PCBs (fluorescent light ballasts accepted)
- Treated wood wastes

State regulations limit the transportation of hazardous waste to 15 gallons or 125 pounds per visit. Individual containers are limited to 5-gallon capacity.

There is no drop-off fee and no appointment necessary for residents of central Contra Costa County. Small businesses require an appointment and are charged a nominal fee. For more information, please call 1-800-646-1431 or visit our website: www.centrialsan.org

HOUSEHOLD HAZARDOUS WASTE COLLECTION FACILITY HOURS AND LOCATION

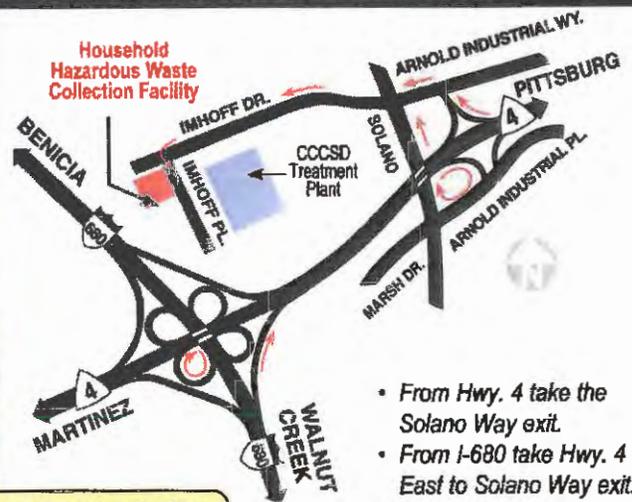
Residents: Monday – Saturday, 9 a.m. - 4 p.m.
(Reuse Room closes at 3:30 p.m.)

Businesses: Monday – Saturday, by appointment only

Phone: 1-800-646-1431
www.centrialsan.org



Household Hazardous Waste Collection Facility
4797 Imhoff Place, Martinez, CA 94553-4392



- From Hwy. 4 take the Solano Way exit.
- From I-680 take Hwy. 4 East to Solano Way exit.



**REPUBLIC
SERVICES**

2015 Holiday Schedule

Republic Services observes Christmas Day and New Year's Day holidays. If your collection day falls on those holidays or later in the week, service will be one day later.

Residential Treecycling

Antioch

- Drop-off Locations: You can drop off your **unflocked** trees from 8 a.m. - 5 p.m. **Saturday-Sunday, Dec. 27-28, 2014, & Jan. 3-4, 2015**, in the **designated areas** at the Prewett Family Water Park parking lot and at the Antioch Marina Overflow parking lot at 2nd and L streets. Please remove tree stands before drop-off.
- Boy Scout Treecycling: Scouts will pick up holiday trees **Saturday-Sunday, Dec. 27-28, 2014, & Jan. 3-4, 2015**. Have trees ready for pickup before 9 a.m. at the curb. Donations of \$10 for **unflocked** trees or \$1 per foot if taller than 10 feet or \$20 for flocked trees, payable to BSA, would be appreciated. For more information email the Boy Scouts at treepickup@diablosunrise.org.
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Recycling Center Drop-off Option: See "Drop-off Locations" on the back of insert for address, hours.
- Flocked trees can be picked up for a fee of \$40 or as one of your two, free, large-item pickups.
- Questions? Call customer service at (925) 685-4711.

Bay Point, Clyde

- **Monday, January 12, 2015. Unflocked** holiday trees will be picked up curbside. Please remove tree stand and decorations before leaving your tree at the curb.
- Boy Scout Treecycling: See Antioch information above. Bay Point schedule and contacts are same.
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Drop-off Option: See "Drop-off Locations" on the back side of this notice.
- Questions? Call customer service at (925) 685-4711.

NOTE: Flocked trees cannot be recycled. They can be collected curbside for a fee of \$40 per tree. Pickups must be scheduled in advance. Call (925) 685-4711. Flocked trees may also be included with one of your cleanups. If cut to fit inside with the lid closed, flocked trees may be placed in your trash cart.



Clayton, Unincorporated Concord, Morgan Territory

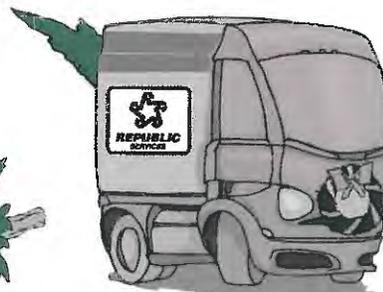
- **Sunday, Jan. 4, 2015:** Boy Scouts will pick up trees in **Clayton only**. Leave **unflocked** trees at the curb by 8 a.m. Donations would be appreciated. Mail checks (do not attach to tree) to BSA Troop 484, 807 Savignon Court, Clayton, 94517. Contact: Chris Llata at (925) 348-3319 or email arbmut@gmail.com.
- **January 12-16, 2015: Unflocked** trees will be picked up curbside on your regular garbage day that week. Remove tree stand, decorations.
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Drop-off Option: See other side for "Drop-off Locations."
- Questions? Call customer service at (925) 685-4711.

Martinez, Alhambra Valley, Mt. View

- **January 12-16, 2015: Unflocked** trees will be picked up curbside on your regular garbage day that week. Remove tree stand, decorations.
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Drop-off Option: See "Drop-off Locations" on the back side of this notice for address and hours.
- Questions? Call customer service at (925) 685-4711.

Pleasant Hill, Unincorporated Pleasant Hill, Pacheco

- **January 12-16, 2015: Unflocked** trees will be picked up curbside on your regular garbage day that week. Please remove tree stand and decorations.
- Any yard waste week: Place **unflocked** trees in yard waste cart. Branches must be 6 inches or less in diameter and 3 feet or less in length. Cut off tree top. Remove tree stand. Lid must be closed.
- Drop-off Option: See "Drop-off Locations" on other side of this notice for address, hours.
- Questions? Call customer service at (925) 685-4711.





2015 Holiday Schedule

**REPUBLIC
SERVICES**

(continued)

MULTI-FAMILY TREECYCLING

Antioch

- The Boy Scouts will pick up **unflocked** trees in multifamily complexes. A donation of \$10 or \$1 per foot for trees taller than 10 feet or \$20 for flocked trees would be appreciated. To arrange a pickup, email the Boy Scouts at treepickup@diablosunrise.org.

Bay Point

- **Unflocked** trees will be picked up in your complex on **Monday, January 12, 2015**.
- Please leave your tree out by 6 a.m. on **Monday, January 12, 2015**.

- Ask your property manager where trees should be left. Please remove tree stand.

Clayton (Diamond Terrace Apts./Kirk Court Apts.)

- **Unflocked** trees will be picked up in your complex the week of **January 12-16, 2015**.
- We cannot determine in advance what day your tree will be picked up. Please leave your tree out by 6 a.m., beginning **January 12, 2015**.
- Ask your property manager where trees should be left. Please remove tree stand.

Martinez, Alhambra Valley, Mt. View, Pacheco, Pleasant Hill, Unincorporated Pleasant Hill

- **Unflocked** trees will be picked up in your complex the week of **January 12-16, 2015**.
- We cannot determine in advance what day your tree will be picked up. Please leave your tree out by 6 a.m., beginning **January 12, 2015**.
- Ask your property manager where trees should be left. Please remove tree stand.



DROP-OFF LOCATIONS

If you miss curbside collection or forget to put your **unflocked** tree in your yard waste cart, you can bring your tree to 444 N. Buchanan Circle in Pacheco, across from Republic Service's main office, between 8 a.m. and 4 p.m. Monday through Friday. Please do not drop off trees before or after the hours listed above.



IMPORTANT

- Please remove lights, ornaments, tinsel, nails and stands from trees.
- No plastic bags.
- As part of our treecycling program, flocked, painted, fireproofed or artificial trees are not accepted.
- Flocked trees can be collected curbside for a fee of \$40 per tree. Pickups must be scheduled in advance. Call (925) 685-4711. Flocked trees may also be included with one of your cleanups. If cut to fit inside with the lid closed, flocked trees may be placed in your trash cart.



Holiday Treecycling

Let's start the New Year off right by recycling our holiday trees.

Remember to put out your tree for recycling by 6 a.m., beginning Monday, Jan. 12.

Please place your tree here:



(Collection area for our complex)

Place trees at the collection area of our complex by 6 a.m. of a weekday, beginning Jan. 12, for collection the week of Jan. 12 - 16, 2015. You can also recycle your tree 8 a.m. to 4 p.m. Monday - Friday at 444 N. Buchanan Circle, Pacheco. Call (925) 603-1383 for more information.

How to Prepare Your Tree for Recycling



NOTE: Flocked and artificial trees cannot be recycled. Place these in the blue garbage dumpster(s).

Do's:

- Remove lights, ornaments, tinsel and other trimmings from branches.
- Cut in half trees that are 10 feet or more in height.
- Remove stands, whether metal, plastic or wood. Trees with stands attached cannot be collected and recycled through composting.

Don'ts:

- No flocked or artificial trees.
- Do not leave lights, ornaments, tinsel, stands and other trimmings on the tree.



441 North Buchanan Circle
Pacheco, CA 94553

FIRST-CLASS
US POSTAGE
PAID
Pleasant Hill, CA
Permit No. 122

**Season's Greetings
to our customers
in Clayton!**

**Help us begin the New Year right
by recycling the holiday trees
in your complex. Trees must be
out by 6 a.m. of a weekday,
beginning Monday, Jan. 12,
for pickup Jan. 12-16, 2015.**

Recycling Yule Trees

Dear Valued Customer:

As in holidays past, we need your help to divert as many trees from the landfill as possible.

Here is what you can do to help us promote recycling in your complex:

- **Please designate an area** that is centrally located and easily accessible for your residents to drop off their holiday trees.

- **Notify your residents** of the collection days by writing in the collection location on the inside of this flyer and either post or distribute copies of it to your residents.

Thank you for helping us "Treecycle." On behalf of all our employees, we wish you and your family a safe and happy holiday season.

Republic Services



July 2014

Dear Valued Customer,

California's Mandatory Commercial Recycling law now requires businesses and other entities that generate 4 cubic yards or more of waste per week and apartment communities/multi-family residential dwellings with 5 or more housing units to have a recycling program in place.¹

Even if you don't generate this much waste each week or have this many housing units, you could still benefit from implementing a recycling program. Republic Services, formerly Allied Waste Services, is the solid waste and recycling collection service provider for your area. We are uniquely qualified to provide recycling solutions to help reduce your garbage bill. Recycling service may be included in your rate; if not, it is available at a fraction of the cost. The more you recycle, the smaller your garbage container, which can lower the cost of your garbage bill.

We also offer waste audits at no charge to help identify ways to recycle as much of what you're currently throwing away as possible. ***If you already have a recycling account with us***, we want to thank you for compliance with the law and we invite you to improve your recycling efforts with an audit.

Contact customer service for a recycling representative at (925) 685-4711 if you would like to:

- **Learn how you can increase your recycling, decrease your trash, and save money with a waste audit**
- **Get rid of unwanted items without filling the landfill with recyclable materials**
- **Request recycling stickers for indoor receptacles, literature, and/or educational meetings to help you maximize recycling in your workplace**
- **Help save limited natural resources with greener business practices**

We appreciate your business and look forward to continuing to help meet your garbage and recycling collection needs. Your recycling efforts will help the environment while diverting material away from landfills in compliance with California law.

Sincerely,

Republic Services

Certified Green Business and an environmental partner you can count on with a growing fleet of compressed natural gas (CNG) vehicles

¹ **California's new Mandatory Commercial Recycling Law**

"Business" means any commercial or public entity, that generates four cubic yards or more of commercial solid waste per week, including, but not limited to, a firm, partnership, proprietorship, joint-stock company, corporation, or association that is organized as a for-profit or nonprofit entity, strip mall (e.g. property complex containing two or more commercial entities), industrial facility, school, school district, California State University, community colleges, University of California, special district or a federal, state, local, regional agency or facility. With the passage of (Chapter 476, Statutes of 2011 [Chesbro, AB 341]), California is one of the first to enact a statewide program to reduce greenhouse gas emissions by diverting commercial solid waste from landfills. For more information about the California's new mandatory recycling law, visit www.calrecycle.ca.gov/climate/Recycling/default.htm



July 2015

Dear Valued Customer,

We would like to bring to your attention to two (2) mandatory recycling laws in California that affect your business:

1. AB 341 requires businesses that generate 4 cubic yards or more of waste per week and apartment communities/multi-family residential dwellings with 5 or more housing units to have a recycling program in place.¹
2. AB 1826 will require businesses to recycle their organic waste (food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste). Businesses that generate 8 or more cubic yards of organics per week must arrange for recycling service by April 1, 2016. Other businesses, with less than 8 cubic yards of food waste per week, will have to begin a food waste recycling program at a later date.² Unsure how much organic waste your business generates? visit <http://www.calrecycle.ca.gov/Recycle/Commercial/Organics/> for a tool that will help determine how much organic waste your business generates, or contact Recycling Coordinator Anne Baker at abaker@republicservices.com or 925-671-5806.

Even if you don't generate this much waste, you could still benefit from implementing or improving your recycling program. Republic Services is the solid waste and recycling collection service provider for your area. We are uniquely qualified to provide recycling solutions to help reduce your garbage bill. The more you recycle, the smaller your garbage container, the lower your garbage bill.

We also offer waste audits at no charge to help identify ways to recycle as much of what you're currently throwing away as possible. ***If you already have a recycling account with us***, we want to thank you for compliance with the law and we invite you to improve your recycling efforts with an audit.

Please contact Recycling Coordinator Anne Baker at: abaker@republicservices.com or 925-671-5806 if you would like to:

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We appreciate your business and look forward to continuing to help meet your garbage and recycling collection needs. Your recycling efforts will help the environment while diverting material away from landfills in compliance with California laws.

Republic Services

Certified Green Business and an environmental partner you can count on with a growing fleet of compressed natural gas (CNG) vehicles

¹ **California's Mandatory Commercial Recycling Law**

For more information about the California's new mandatory recycling law, visit

www.calrecycle.ca.gov/climate/Recycling/default.htm

² **California's new Organics Recycling Law**

For more information, visit <http://www.calrecycle.ca.gov/recycle/commercial/organics/>

City of Clayton

Republic Services Curbside Collection Data for FY 14-15

	7/1/2014	8/1/2014	9/1/2014	10/1/2014	11/1/2014	12/1/2014	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	Total
Oil filters	30	10	35	10	9	18	32	20	9	1	21	33	228
Batteries	656	127	372	323	271	301	533	359	231	102	440	279	3994
Lightbulbs	58	16	39	77	70	52	39	50	28	12	51	30	522
Mattresses	8	9	10	6	7	6	12	10	9	9	19	6	102
E-waste	15	13	12	9	7	5	13	8	12	6	3	6	109
White Goods	11	11	6	5	11	10	4	7	16	4	13	17	115
Used Oil (gal)	125	53	122	112	59	89	150	88	37	9	107	90	1041

10 easy ways to save water in your home

It's time to renew your conservation efforts and ensure you are using water efficiently. Saving water has never been so easy.



1. Insulate pipes

Insulate hot water pipes so less water needs to be run for hot water to reach the faucet. This also helps save energy.

2. Replace old toilets

You can save 60 percent by replacing your older (pre-1992) toilet with a new High-Efficiency Toilet (HET).

3. Replace old washer

By replacing your older top-loading washer with a new high-efficiency model, you use 50 percent less water and energy. They are also kinder to your clothes.

4. Check for leaks

Test your toilets for leaks. Place food coloring in the tank. If the color appears in the bowl, you have a leak. Either your water level is too high, or your flapper needs to be replaced.

5. Run full loads

Run your clothes washer & dishwasher with full loads to maximize water & energy efficiency.

6. Keep water cool

Keep a container of water in the fridge so you don't need to run water down the drain until it's cool enough to drink.



7. Plug it up

Put a plug in the bathroom sink when shaving rather than rinsing your razor under running water.

8. Save while showering

If your showerhead can fill a one-gallon bucket in less than 20 seconds, replace it with a high-efficiency showerhead. Drop by CCWD and pick up a free high-quality, high-efficiency showerhead.

9. Brush & conserve

When brushing your teeth, remember to keep the water off until you are ready to rinse your brush. Every drop counts.

10. Always aerate

Make sure there are aerators on all of the faucets in your home. Faucets without aerators can use more than three times the water.



10 easy ways to save water in your garden

1. Cycle & soak

Use the cycle and soak method for watering your lawn and landscape. For fixed and pop-up spray sprinklers, water three cycles per day, four to six minutes each cycle. Schedule start times one hour apart. If you have rotating sprinklers, water three cycles per day, 10 to 12 minutes each cycle.



2. Adjust watering

Shrubs, or lawn in shade (north/east side of your house), will generally require up to 50 percent less water than the same plants in full sun (south/west side). Adjust your watering to account for different microclimates in your garden.

3. Water early

Don't water during the middle of the day. This can scorch the leaves. It's best to water in the early morning as the sun is rising and temperatures are cool.



4. Check your sprinklers

Check your irrigation system every couple of weeks for broken or misaligned sprinkler heads. This can save a significant amount of water and keep your landscape looking great!



5. Manage your timer

Every two to four weeks, adjust the watering schedule to reflect changes in the weather. Reducing the watering schedule by one-minute on each sprinkler station can save more than 50 gallons per day!



6. Reduce your lawn

Reduce the size of your water-thirsty lawn and replace it with water-efficient low-maintenance plants.

7. Mow

Mow lawns to 2 1/2 to 3-inches during the summer. This will improve the quality of the lawn and reduce water demand.

8. Mulch

Mulch is the little-noticed workhorse of many smart gardeners' landscapes. Maintain a 2- to 3-inch layer of organic mulch in all planting areas.

9. Use a broom

Use a broom instead of a hose to clean your driveway and save up to 80 gallons of water every time.

10. Aerate

Aerate your lawn. This allows water and oxygen to get to the roots. You can either leave the soil plugs on the lawn or remove them to another part of the garden.



LOSE A LAWN • GET A GARDEN



\$1,000 REBATES (up to)

- Replace Lawn with Water-Wise Landscaping
- Rebate is \$1.00 per sq. ft. replaced
- Pre-Approval is required
- Non-residential sites call for details

For Program Eligibility and Information

Call: **(925) 688-8320** or

Visit: **www.ccwater.com/conserv**





Prohibitions of Water Use

-  **PAY YOUR CCWD BILL**
-  **CONSERVATION SAVE WATER!**
-  **CURRENT JOB OPENINGS**

Home | Customer Service | Save Water | 2015 Drought Emergency Plan

STATE MANDATED 2015 DROUGHT EMERGENCY PLAN

2015: Unprecedented Drought

California is facing one of the most severe droughts in recent history.

This year's slight rain and snowfall levels fall far below previous years of below-average precipitation. Reserves were already low.

Governor Brown declared a drought State of Emergency in January. In April, he reinforced that order and asked for 25 percent savings across the state.

Individual water agencies were ordered to reduce water consumption at different levels. CCWD was ordered to reduce by 25 percent.

To comply with the state's order for a 25 percent statewide reduction in water use, the Contra Costa Water District has implemented its Drought Emergency Plan.

The District is required by the state to reduce water consumption overall by 25 percent, and is requiring its single-family and multi-family residential, commercial and institutional customers to save 25 percent compared to 2013 and its irrigation customers to save 45 percent.

Start Saving Water Now

To encourage all residential customers to meet the 25 percent reduction requirement, the District's Board of Directors approved on June 3 temporary pricing adjustments as called for in the [Governor's Executive Order](#).

This includes a temporary pricing adjustment for households that use more than an average of 200 gallons per day. This would temporarily increase the unit cost of treated water by 50 cents a unit (a unit is 745 gallons of water). The temporary pricing adjustment would end once the emergency order is lifted.

The Board has also implemented fines of up to \$500 for violations of prohibitions. Prohibited uses include watering your lawn more than twice a week, or washing a car more than a short-off nozzle on the hose. Here's the complete list. The penalty of these only apply to the prohibited uses, not to your water bill or meeting your reduction requirement.

CCWD customers have been doing a good job at conserving and need to keep those efforts up this summer. Consistent with the state mandates and as temperatures rise, CCWD is looking to customers to find a way to reduce their outdoor water use this summer to achieve these mandates.

If you use less than an average of 200 gallons per day, you will not be subjected to the temporary pricing adjustment. Households that reduce water use by 25 percent will be able to lower their bills. Please try to continue to save.

RESOURCES FOR SAVING WATER

[Drought Survival 101](#)
Indoor & Outdoor

[Norton Kormanis](#)

[Water Waste Prohibitions](#)
Foot Wash

[Norton Kormanis](#)

[CCWD Conservation](#)



[Earn a Rebate When You Replace Your Front Lawn With a Beautiful Drought-Tolerant Garden](#)

[Sign up for our Water Conservation Newsletter](#)

[California's Save Our Water Website Has Lots of Great Information on Ways to Save Water](#)

[Report Water Waste Do you see Water Waste? From automatic sprinklers to washing down the driveway, let our team and we'll protect them...](#)

FAQS

- [What is a drought emergency, and what impact does it have on me?](#)
- [How much do customers need to conserve?](#)
- [When will the CCWD Drought Program go into effect?](#)
- [How can I find my 2013 usage?](#)
- [Are there any fines?](#)

[View All](#)

Drought FAQs on a PDF QUICK LINKS

- [Exception Request Form](#)
- [Water Coupons Will Help You Save Water](#)
- [Car Wash Coupons](#)
- [Report Water Waste or Water Theft](#)
- [Save Our Water](#)

[View All](#)

2015 WATER WASTE PROHIBITIONS FACT SHEET

California is experiencing an extremely severe drought. Contra Costa Water District (CCWD) is asking its customers to do their part to conserve water.

- Residential and commercial customers are required to reduce water use by 25% compared to 2013
- Irrigation customers are required to reduce water use by 45% compared to 2013

The following uses of water supplied by CCWD have been determined to be wasteful and are prohibited.

- Watering outdoor landscapes more than two days per week
- Watering outdoor landscapes during the daylight hours of 9 a.m. and 5 p.m.
- Watering outdoor landscapes in a manner that causes excessive runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures
- Watering outdoor landscapes during and up to 48 hours after measurable rainfall
- Washing a vehicle, trailer or boat using a hose without a shut off nozzle
- Washing paved or other hard-surfaced areas, including sidewalks, walkways, driveways, patios, and parking areas
- Use of water for non-recirculating decorative fountains or filling decorative lakes or ponds. The District strongly suggests all fountains be turned off
- Watering turfgrass on public street medians
- Serving drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served or purchased
- Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. A notice shall be prominently displayed in each bathroom
- Watering landscapes of newly constructed homes and buildings not in accordance with emergency regulations or other requirements established by the Building Standards Commission and the Department of Housing and Community Development
- Recycled water must be used for construction and dust control where available

Violations of the Prohibited Uses

If a customer violates a prohibited water use, CCWD will first issue a warning and work with the customer to educate them about the prohibition and the violation. If the violation occurs a second time, the District will issue a \$250 fine. If the violation occurs a third time, the District will issue a \$500 fine. If the violation continues, the District may suspend water service. In addition to the fines, a penalty may be charged of \$10 per 748 gallons used in violation of the prohibition.



DROUGHT SURVIVAL 101

SAVING WATER IN THE LANDSCAPE

Watering Trees and Shrubs

Mature trees and shrubs are often the most valuable landscape plants, and they are often quite drought tolerant. Water mature trees and shrubs one-day per week and maintain a 2" to 3" layer of mulch in all landscape areas.

Watering Lawns

During the Drought, consider letting ornamental lawns go without water. Because lawn is the largest water using plant in most landscapes, this can save a considerable amount of water. If you do want to maintain a lawn through the drought, you are prohibited from watering more than two days per week, which is sufficient for lawns to survive.

Annual flowers

This is a good year to eliminate the use of annual flowers. Annuals, like lawns, use a lot of water.

Mulch Mulch Mulch

The single most important thing you can do for your trees and shrubs is to maintain a 2" to 3" layer of mulch in all planting areas. This will maintain soil moisture and reduce plant stress during the hot summer. Don't use a blower in shrub beds as it removes mulch.

Have a Leak?

The best way to check for a leak is to first make sure all water is turned off and then read your water meter. The meter will have an odometer like a car and a dial. Write down (or take a photo) the numbers and the location of the dial. Then wait one hour and do it again. If the meter has not changed, you don't have a leak. If it does change, you can then determine how big a leak you have.

Read your meter

Read your water meter on a weekly basis and keep a log of the usage. You can then compare your water use (average gallons per day) to your target, and adjust your watering schedule as needed.

Water early or late

Outdoor watering between 9 a.m. and 5 p.m. is prohibited. You can save water by irrigating in the early morning or in the evening, when temperatures are cooler.

Sweep, don't spray

Hosing down a driveway or patio is prohibited and you could save up to 10 gallons per minute by using a broom.

Inspect Sprinklers and Drip

Check your irrigation system for broken or misaligned sprinkler heads. Also check drip systems for missing or broken emitters. Maintaining the system in good working order will save water and keeps the landscape looking good.

Irrigation Timer

Irrigation timers can waste a considerable amount of water if not managed properly. Check the schedule regularly to ensure you are only watering when you want to. Alternatively, turn the timer to the off position and just turn it on when you want to water.



CONTRA COSTA
WATER DISTRICT
ccwater.com/conserva

DROUGHT SURVIVAL 101

SAVING WATER INDOORS

Replace old toilets

If your toilets were installed prior to 1994, consider replacing them. Toilets made prior to 1994 use 3.5 to 5.0 gallons per flush. New toilets now only use 1.28 gallons per flush and perform better than ever.

Full Loads

Run washing machines and dishwashers with full loads only.

Hand Washing Dishes

It is generally better to use a dishwasher. But, when washing dishes by hand, don't let the water run. Instead fill one basin with wash water and the other with rinse water.

Showerhead

Install a new low-flow showerhead. Look for one that has a flow rate of 2.0 gallons per minute or less.

Shaving

Turn off the faucet when shaving or brushing your teeth.

Garbage Disposal

Use the garbage disposal sparingly. Instead you can compost vegetable food waste and save gallons every time.

Replace old Clothes Washers

If your clothes washer is an older top-loading model consider replacing it with a new high efficiency model. New clothes washers use half the water and energy and are also kinder to your clothes.

Bucket in the Shower

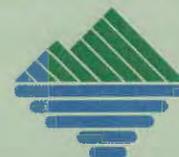
Many homeowners use a bucket in the shower to catch water. This can be used to water plants or flush the toilet.

Avoid Rinsing Dishes

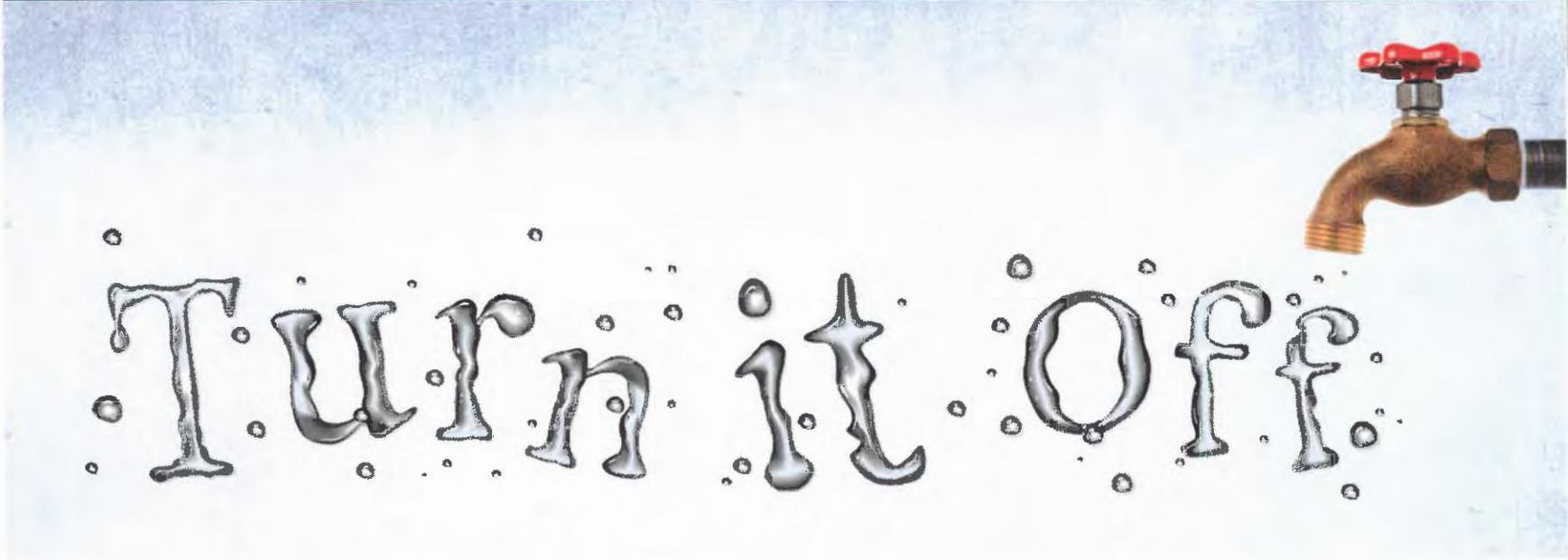
Instead of rinsing dishes before putting them in the dishwasher, scrape food scraps into a compost bin. Modern dishwashers are pretty good at cleaning stuck on food.

Toilet Flushing

Consider whether or not to flush the toilet after every use.



CONTRA COSTA
WATER DISTRICT
ccwater.com/conserv



Drought facts

· On January 3, the state conducted its first snow survey of the wet season and found more bare ground than snow. Statewide, the snowpack water content is just 20 percent of average for this time of year.



· The Sierra Nevada snowpack melts in the spring and summer. It collects in reservoirs to provide about one-third of the water Californians use each year.

· Many parts of California — including Sacramento and Los Angeles — marked calendar year 2013 as the driest on record.

· River levels are low around the state. Along the North Coast, the Russian River, and the upper Sacramento River, levels are at their lowest points ever for this time of year.

· These extremely dry conditions follow two previous dry years statewide.

· Storage in the big reservoirs that typically help California cope with dry weather is well below average for this time of year.

· The state's two biggest reservoirs, Shasta and Oroville, are both at 57 percent of historical levels for the date.

· The Department of Water Resource's late November experimental seasonal forecast for the water year sees mostly dry conditions for the state.

· On average, about half of California's statewide precipitation occurs in December, January and February. Only a handful of large winter storms account for the difference between a wet year and a dry one in California.

· Other years have started dry and ended with normal or above-normal precipitation. Each dry day that passes makes it less likely that will happen.

Conservation why and how

[Drought history](#)

[Drought facts](#)

[Water sources](#)

[Climate change](#)

[Environmental problems](#)



If you witness illegal dumping dial 9-1-1 immediately and report all relevant details (date/time, location, description of vehicle, license, and driver, etc.) so that law enforcement can effectively respond.

If the illegal dumping has already occurred contact the Contra Costa Clean Water Program at: 1-800-NO-DUMPING.

Hazardous Waste Facility Numbers:

Central Contra Costa Sanitary District HHW
4797 Imhoff Place, Martinez
(800) 646-1431

Delta-Diablo Sanitation District
2550 Pittsburg-Antioch Highway, Pittsburg
(925) 756-1990

West County HHW Collection Center
101 Pittsburg Avenue, Richmond
(888) 412-9277
(925) 372-3440 (Emergency)

Call the

CONTRA COSTA CLEAN WATER PROGRAM
at 925-313-2360

for more information
about stormwater regulation.

water is life.
cccleanwater.org

Trash Best Management Practices (BMPs) For Businesses



PHOTO COURTESY OF JESSICA KIRSTE

ONLY RAIN DOWN THE DRAIN



**CONTRA COSTA
CLEAN WATER
PROGRAM**

255 GLACIER DRIVE | MARTINEZ, CA 94553-4825
PH: (925) 313-2360 | FX: (925) 313-2301
1-800-NO DUMPING (1-800-663-8674)

It is illegal to allow anything other than rain water to be discharged to a storm drain.

Trash in our environment impairs our waterways' beneficial uses such as recreation, wildlife habitat, commercial fishing, and degrades water quality. Trash such as plastic bags harm wildlife by entanglement or ingestion. Trash may also contain hazardous materials such as heavy metals, toxic chemicals (solvents, chlorinated compounds), oil and grease products as well as other materials that are harmful to the environment.

Trash should never enter our environment or be washed down storm drains and into creeks. Individuals and businesses who improperly handle and dispose of trash are subject to fines and criminal prosecution.



Millions of dollars are spent by local governments to remove trash from creeks and open areas. Tax dollars spent disposing of trash could be spent on community services such as repaving roads and police protection.

To prevent trash from polluting our environment, incorporate BMPs into your business operations.

Trash BMPs for Businesses



DUMPSTERS AND TRASH RECEPTACLES

- ◆ Regularly inspect dumpsters and trash compactors for leaks and broken parts, and if found repair or replace.
- ◆ Keep dumpster and common areas of your business clear of trash and keep dumpster lids closed.
- ◆ Provide trash receptacles for your customers and encourage their use.
- ◆ Ensure the size of your dumpster is appropriate for the trash load of your business.
- ◆ Properly bag trash before putting it in the dumpster.
- ◆ Do not hose out dumpsters. Apply absorbent over any fluids spilled in dumpster. If trash dumpster area requires cleaning, use dry clean up methods or a permitted mobile washer.
- ◆ If your business uses a tallow bin then keep bins leak free and clean. Keep tallow bin area clean, covered and secured.

OUTDOOR AREAS

- ◆ Mark all storm drains with 'No Dumping' markers (markers can be procured at your local municipality).
- ◆ Discourage illegal dumping by posting "No Dumping" signs, providing adequate lighting, and/or fencing in open areas.
- ◆ Sweep your store front and common areas and keep storm drains clear of trash.
- ◆ Require contractors to collect all their trash including landscaping debris.

DURING BUSINESS ACTIVITIES

- ◆ When transporting materials, cover and tie down loads.
- ◆ Train your employees to keep trash off the streets, parking areas and out of storm drains.
- ◆ If your business includes tenants, communicate proper trash BMPs. Include trash control requirements in lease documents.



RECYCLED MATERIALS/HAZARDOUS WASTE

- ◆ Reduce your disposal cost by recycling materials such as plastics, paper, cardboard, aluminum cans, and glass to reduce trash in landfills.
- ◆ Compost food scraps and landscape debris. Talk with your waste hauler regarding available services.
- ◆ Go to cccrcycle.org for information on how to recycle materials.
- ◆ Keep hazardous waste out of trash receptacles (this includes e-waste, appliances, paint, batteries, fluorescent light bulbs, cleaning chemicals, pesticides, etc.) Call Contra Costa Hazardous Materials at 925-646-2286 for proper handling of hazardous materials.



Call the

**CONTRA COSTA CLEAN
WATER PROGRAM**

at 925-313-2360

to reserve a
car washing kit.

water is life.

cccleanwater.org



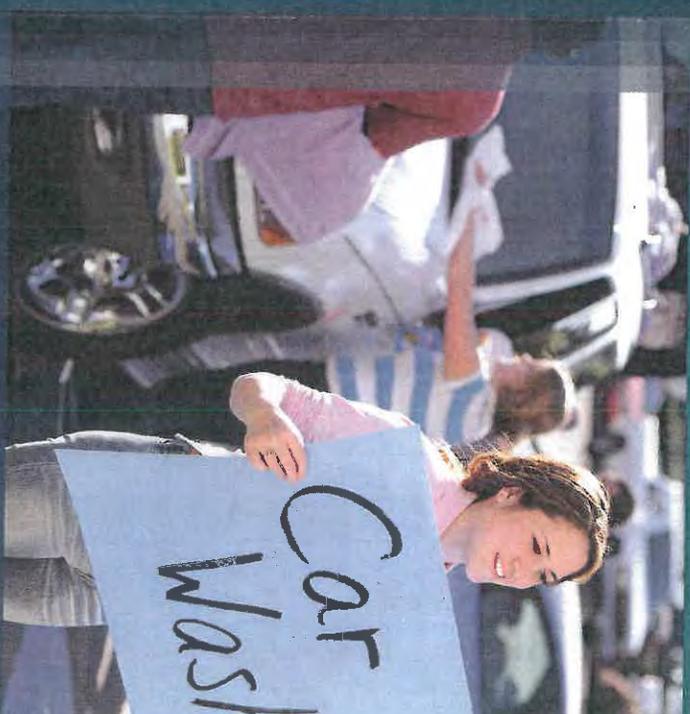
**CONTRA COSTA
CLEAN WATER
PROGRAM**

255 GLACIER DRIVE | MARTINEZ, CA 94553-4825

PH: (925) 313-2360 | FX: (925) 313-2301

1-800-NO DUMPING (1-800-669-8674)

**Only Rain
Down the
Drain.**



**PROPER CAR WASH FUNDRAISING
IN CONTRA COSTA COUNTY**



**CONTRA COSTA
CLEAN WATER
PROGRAM**

It is illegal to allow anything other than rain water to be discharged to a storm drain.

Wash water from cleaning cars should never be discharged to a street, gutter, parking lot, or storm drain. Wash water from cleaning cars contains materials such as solvents, heavy metals, dirt, and soapy water which can degrade water quality and creek habitats. Individuals who improperly handle and dispose of non-stormwater materials down the storm drain are subject to civil and criminal prosecution.

How are the Storm Drain and Sanitary Sewer Systems Different?

Throughout urban communities, the storm drain system transports rainwater to local creeks, the bay, the delta, and to the ocean. This system was created to prevent flooding within communities and homes. All water and materials that enter the storm drain system is **untreated**. The sanitary sewer is a plumbed system that transports sewer water from buildings to a wastewater collection and treatment facility, where the water and sewage is treated before being released back into the environment.

If you see an outdoor drain and are unsure of its use, assume it is a storm drain and do not discharge wash water to it.

Planning a Car Wash Fundraiser?

Charity car wash events need to include protection of the storm drain system to prevent pollution from entering creeks and other waterways. To stop pollution from entering our storm drains, best management practices, that are included in this brochure, are required to ensure that your car washing event does not pollute the environment. Please follow these steps before conducting your car washing event:

Step 1: Contact your local City or County to ensure that charity car washing events are legal within your community.

Step 2: If charity car washes are legal at the location of your event, contact the Contra Costa Clean Water Program to reserve a car washing kit free of charge. Car washing kits are distributed through your local City or County. Fill out all liability release forms (found on the Contra Costa Clean Water Program's website at cccleanwater.org) required to borrow the car washing kit.



Step 3: Obtain permission from the owner of the event location to conduct a car washing event and locate an approved sanitary drain or vegetated area to discharge your wash water.

Step 4: Please read the directions provided with the kit and follow appropriately.

Step 5: At the end of your event, return the car washing kit to your local City or County.

How to Get a Kit

Kits are available on a first come first served basis and reservations can be made up to a month in advance. Each city that provides a car washing kit in Contra Costa County has its own location for pickup. Call the Contra Costa Clean Water Program at **925-313-2360** to make a reservation and obtain location information to borrow a kit. All kit parts will be confirmed to be in working condition before pickup. All parts must be returned in working condition or replaced if broken. Be sure to return your kit on the agreed date and time. Late drop off will compromise kit availability for your own organization in the future.

WHAT'S IN THE KIT?

- > Instructions
- > Submersible Pump
- > Two 50-Foot Extension Cords (GROUNDED)
- > Roll Duct Tape
- > 3'x4' Heavy Duty Rubber Mat
- > 50' or Longer Garden Hose
- > Two Spray Nozzles (HARD PLASTIC)
- > Three Safety Cones (LARGE)

Any organization borrowing the kit will need to provide its own washing materials (soap, sponges, towels) and find its own location that includes a water source, an electrical outlet, and an appropriate discharge location for the wash water—either a sanitary drain or a vegetated area.

Good luck on your car wash fundraiser—and thanks for helping to keep our environment clean and safe.

FANCY A HOT BATH?

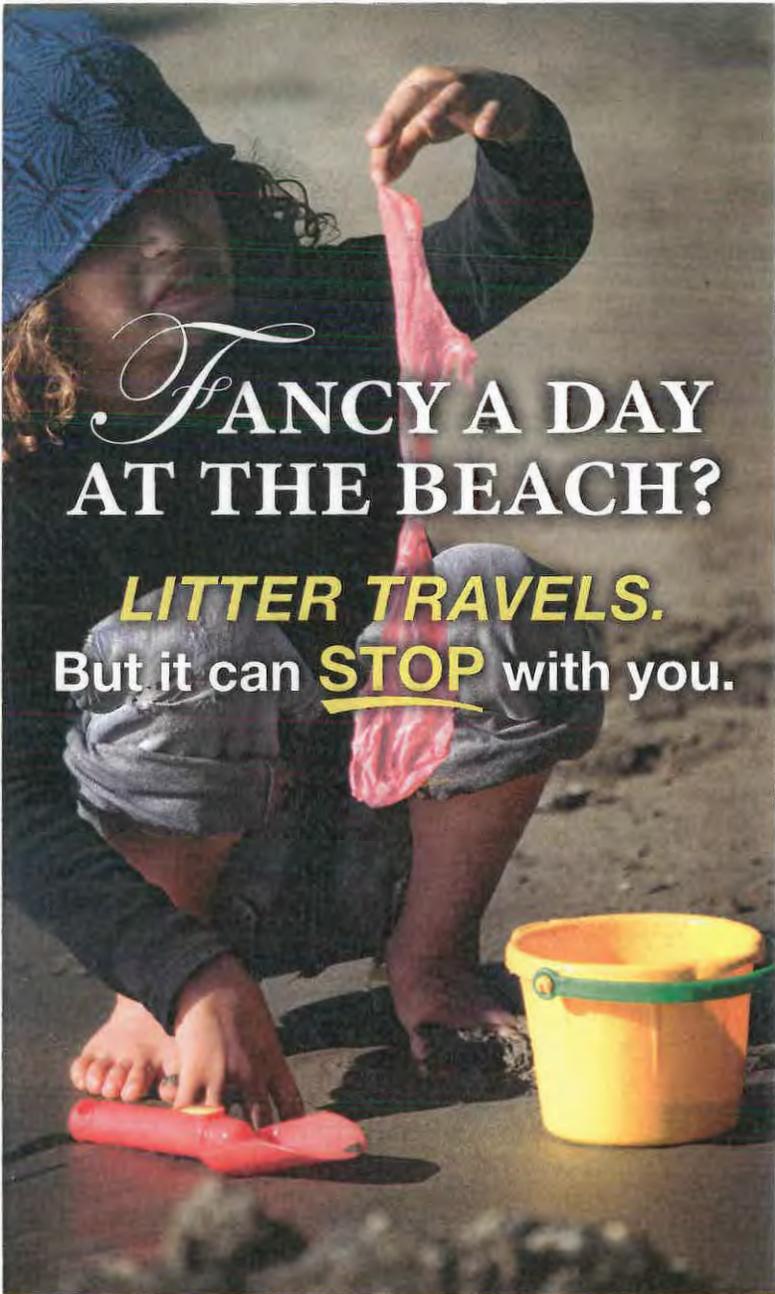
LITTER TRAVELS.
But it can **STOP** with you.



CONTRA COSTA
CLEAN WATER
PROGRAM

SUPPORT **LITTER-FREE**
LOCAL WATERWAYS

CCCleanWater.org



*F*ANCY A DAY
AT THE BEACH?

LITTER TRAVELS.
But it can **STOP** with you.



CONTRA COSTA
CLEAN WATER
PROGRAM

SUPPORT **LITTER-FREE**
LOCAL WATERWAYS

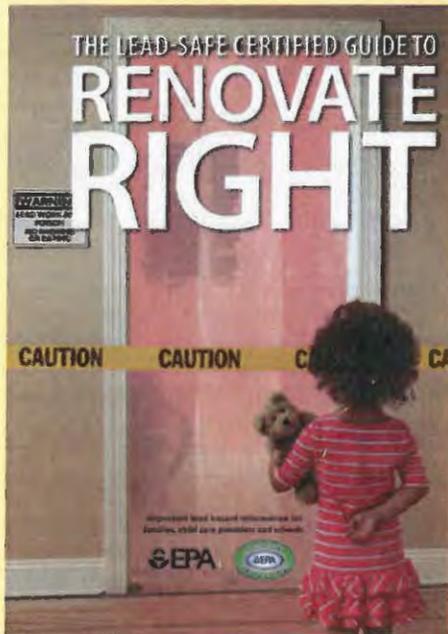
CCCleanWater.org

NEW REGULATION ON LEAD:



Renovation, Repair and Painting (RRP)

— Effective April 22, 2010 —



YOU NEED:

-  To be trained and certified as a renovator
-  To use lead-safe work practices
-  To keep required records
-  To make required disclosures
-  To know that there is a potential \$37,500 penalty per violation

Why is it important?



LEAD DUST HURTS KIDS!

Repair or remodeling projects which disturb lead paint can produce enough lead dust to evenly cover this card. That amount will poison a 1,500 sq. ft. house or apartment, and will fail inspection.

For information: <http://epa.gov/lead/pubs/rrpfactsheet2008.htm>

Or call: United States Environmental Protection Agency (EPA)
(415) 947-4164

February 16 – 37th Annual **Camellia Tea**, Clayton Historical Society, 6101 Main Street, 1 to 4. Coffee, tea, and treats honoring Clayton's Pioneering Families. A great opportunity to tour the Museum decorated in the season's bloom of camellias. For more information call Mary Spryer 672-7232 or www.claytonhistory.org.

March 2nd – 14th Annual **Chili Cook Off** – **Clayton Club Saloon**, 6096 Main Street, 10am – 4pm; judging noon-1pm. Prizes-awards for top three of 20 entries. Entry forms at Clayton Club. For info www.claytonclubsaloon.com; or email at steve@claytonclubsaloon.com; (925) 998-0549.

March 8th – **Library 19th Birthday Recognition Program** – Annual Library Birthday recognition, Foundation meeting and volunteer recognition Clayton Library Hoyer Hall 10 am to 11 am. For more info contact Joyce Atkinson at 672-3850.

March 21, 22 and 23 -- **Annual Clayton Library Birthday Celebration and Creekside Arts Celebration**

Friday 6pm-8:30pm; Saturday 10am- 6pm; Sunday 1-5pm – Clayton Community Library 6125 Clayton Road; for info call Arlene Nielson 673-9777 or email at akiksen@aol.com

April 1 through 31 – **April on the Mountain** – various hikes and nature activities within Mt. Diablo State Park and nearby regional park areas. For information call 673-2891 or 972-7222.

April 9 through October 29-- **Wednesday evenings Classic Cars and Classic DJ Rock and Roll** music 6pm-8pm Main and Diablo Streets downtown Clayton. For more information call Skipolini's Pizza at 672-1111.

April 11,12, 13 – **Spring Book Sale**. The Semi Annual Library Foundation pre owned Book Sale @ Clayton Library Community Room, 6125 Clayton Rd. (Fri. 4-7 CCLF members only- memberships can be purchased at the door; general public--Sat. 10-6; Sun. Noon-4) information call 672-3672 www.claytonlibrary.org

April 30 – **Annual Spaghetti Feed** – 5pm – 8pm at Endeavor Hall, 6008 Center Street, Downtown Clayton, AAUW American Association of University Women for information contact Linda Pinder at 672-7815 or email: LJPinder@comcast.net

April 26th and 27th – **Annual Gardens Tour** 10am – 4pm Rain or Shine various homes in the Clayton Valley area, Information - call Clayton Historical Society at (925) 672-0240 or www.claytonhistory.org

April 26 – Spring **Clayton Cleans Up** - Rain or shine, 9 am to Noon. Meet at City Hall Courtyard, 6000 Heritage Trail, for Information - call Pamela at Clayton Pioneer at 672-0500 or email: pamela@claytonpioneer.com.

April 26 –20th Annual **Devil Mountain Double Century Bicycle Ride**- starts and ends in San Ramon-- Pine Hollow Rd, Mt Zion to Clayton Rd, to Main Street to Marsh Creek Rd, 7:30am- 9:30am for info contact Scott Halversen (510)-882-6727, email: syh_cpa@pacbell.net or www.quackcyclists.com

May 3rd and 4th -- Annual **Art and Wine Festival** **Sat: 10am – 7:00 p.m.; Sun: 10am – 5pm**, Main Street downtown Clayton. Art, Crafts, Food, Music, Kiddieland. Information - Call CBCA at 672-2272; or www.claytoncbca.org

May 10 through October 25 – **Clayton Farmers Market** Saturday's 8am-Noon – Downtown Clayton on Diablo Street (between Main and Center Streets). For more information contact Pacific Coast Farmers Market at www.pcfma.com or call 1-800-949-3276 (no market on August 30 and October 4).

May 10 – **Annual Plant Sale**, Clayton Valley Garden Club, Rain or shine. Endeavor Hall Parking Lot 8 am-1pm. Call Deborah Eistetter at (925) 808-8123 for information. www.claytonvalleygardenclub.org

May 10 -- **Concerts in the Grove** kick off 6pm – 8:30pm – Grove Park Gazebo Downtown Clayton --Main Street-- **California Beach Boys** - known for their precise harmonies, this band is the top **Beach Boys tribute band** in northern CA. They will bring you back to the days of sock hops, drive in movies, beach parties and clean living. www.californiabeachboys.com

May 19 – Annual Clayton Business and Community Association **Golf Tournament**, Oakhurst Golf Course; noon shotgun start, dinner afterwards. Contact CBCA at 672-2272 or www.claytoncbca.org

May 24 -- Sat Night **Concerts in the Grove** -- 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street - **Boys of Summer**, with spot-on vocals, that plays the true musical heart and sound of the **Eagles music**. This is a get up and dance band. recreates the sounds and harmonies, but most important, the feel of the Eagle's music. www.boysofsummertribute.com

May 27 – **Annual Memorial Day Program** by the VFW Post 1525, 10am Downtown Clayton Flagpole, Main and Oak Streets. Information call Paul Carroll at 628-9508 or paulgcarroll@sbcglobal.net.

June 7 – Sat Night Concerts in the Grove — 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street the “**Band TBD**” a music style of band goes here . [www.band web site here.com](http://www.bandweb.site/here.com) for more info.

June 12 – Thurs. Night Grove Concert – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street - **The Houserockers** bring elements of rock, swing, blues, 60s soul and R&B. This 10-piece rock and soul band from Los Gatos plays the greatest songs recorded. Known for their high energy and fun performances, you will dance to the **music of the Rolling Stones, Earth Wind and Fire, Tower of Power, Springsteen and much more.** www.svhouserocker.com

June 21 – Sat Night Concerts in the Grove — 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street “**The City Swing Big Band**” with vocalist Joyce Grant and special guest vocal ensemble LGCSF Chorus present “A Night To Remember.” Featuring the **big-band sounds of the 40s, 50s, and 60s**, including swing and our favorite “crooner tunes” of yesteryear through today. 40 professional musicians! www.cityswingband.com

July 4 – Annual Pancake Breakfast & Parade– Downtown Clayton, Pancakes at Endeavor Hall at 7am Clayton Valley Sunrise Rotary, \$5 adults and \$3 kids 12 and under); parade on Main Street 10 am, for info: Sandy Johnson at 693-0463 or main parade application at www.cityofclayton.org

July 5 – Sat. Night Concerts in the Grove – 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton - Main Street “**The Fundamentals**” present a high-energy stage show with three dynamic lead vocalists, the hottest horn players around and a super tight four-piece rhythm section. “Red Hot Rockin’ Soul” for the last 15 years. From Michael Jackson, Earth Wind & Fire and Beyond to Journey and Bon Jovi, you will hear your favorite **R&B, rock, pop and soul tunes.** www.thefundamentals.com

July 10 – Thurs. Night Concert in the Grove – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street “**Band TBD**” type of music here . [www.band web site here.com](http://www.bandweb.site/here.com) for more info.

July 11 tentative - Friday Night Family Movies – “movie TBD outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. www.claytoncc.com

July 18 tentative - Friday Night Family Movies – “Movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060 www.claytoncc.com

July 19th – Community 5k Fun Run – 8am – 11:00 am Start at Diablo View Middle School end at Clayton Community Park – for information contact Sarah Owen email: owen44@comcast.net

July 19 – Sat Night Concerts in the Grove - 6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street - **Rachel Steele & Road 88** band features **modern country and high-energy dance music.** Singing the greatest new country hits of today with some great rock-n-roll and standards of country music. A little bit country and a little bit rock-n-roll. www.road88music.com

July 24 - Thurs. Night Concert in the Grove – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street “**Band TBD**” type of music here . [www.band web site here.com](http://www.bandweb.site/here.com) for more info.

July 26 tentative - Friday Night Family Movies – “movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. www.claytoncc.com

August 1 tentative - Friday Night Family Movies – “movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. www.claytoncc.com

August 2 – Sat Night Concerts in the Grove — 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton--Main Street – **Diamond Dave Hosley** is back for the 7th consecutive year with his ability to cover **all round hit music from yesterday to today.** With capacity crowds at every Clayton concert, he is truly one of Clayton’s favorites. www.davehosley.com

August 7 – Thurs Night Grove Concert — 7:00 pm – 8:30 pm Grove Park Gazebo Downtown Clayton--Main Street band to be determined

August 9 - tentative – 5th Annual Rib Cook-Off 10 am – 6pm; CBCA Annual Event at Clayton Club patio 6096 Main Street – for more info contact Sue White at 672-2272 or www.claytoncbca.org or www.claytonclubsaloon.com

August 16 – Relay For Life – American Cancer Society – Clayton Valley Charter High School, [contact Lindsay.Davis@cancer.org](mailto:Lindsay.Davis@cancer.org) or at (925) 788-0064 or relayforlife.org/california

August 16 – Sat. Night Concerts in the Grove 6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street **AJA VU** plays the **music of Steely Dan and Chicago**, performs the music with conviction and pure love for the melodic hooks, harmonies and unique storytelling of the original classic recordings. www.ajavu.com

August 21 – Thurs Night Grove Concert – 6:30-8:30 pm Grove Park Gazebo Downtown Clayton --Main Street “**band TBD.**”

August 30th – Eleventh Annual Soap Box Derby and Classic Car Show 9 am – 3 pm, Main Street Downtown Clayton. For information call Clayton Community Church (925) 673-9060.

August 30th - Sat Night Concerts in the Grove –6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street - **Apple Z's** -- powerhouse popular dance band deliver *crowd-pleasing classics covering the 60s through today's top 40*. Enjoy the hits of the *Rolling Stones, Beatles, U2, The Police, Lady Gaga, Maroon 5, Bruno Mars,* & today's hits www.applezband.com

September 11 (tentative) -- 9/11 Remembrance , 7pm at Station 11 Firehouse lawn – corner of Center and Clayton Rd. bell ringing and candlelight walk to downtown flagpole for information call Clayton Community Church at 673-9060.

September 13 – Concerts in the Grove — last concert of the summer 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton -- Main Street – **East Bay Mudd** -- This 10-piece cover dance band with a powerful four-man horn section, will keep you dancing all night long. Their upbeat and commanding take on *contemporary classics, soul, funk and R&B tunes* leaves you asking for more. Always a great band to end our concert season. www.eastbaymudd.net

September TBD — Clayton Valley Charter High School **Homecoming Parade** —4-6pm, Main Street, call Ms. Ljepava, 682-7474 for information.

Oct. 3rd, 4th, & 5th – Oktoberfest kids Carnival – Main/Oak St. CC Church offices parking lot & field Friday Oct 4, 5pm-10pm Sat Oct 5, 11am-10pm; Sunday Oct 6, 11 am to 9 pm Information - Call CBCA at 672-2272; or www.claytonoktoberfest.com

October 4th & 5th – Oktoberfest Sat: 11am - 8pm; Sun: 10 - 6pm; Main Street Downtown Clayton. Art, Crafts, Food and kids Carnival rides. Information - Call CBCA at 672-2272; or www.claytonoktoberfest.com

October 11 tentative – Clayton Valley Charter High School – Bands/Music March – A – Thon, 9am to noon- Downtown, to Library, Easley Drive, Stranahan Circle and Grove Park. For info contact Vicki Anderson at vickianderson@comcast.net.

October 17, 18, 19 – Fall Book Sale. Semi Annual Library Foundation pre owned Book Sale @ Clayton Library Community Room, 6125 Clayton Rd. (Fri. 4-7 CCLF members only- memberships can be purchased at the door; general public --Sat. 10-6; Sun. Noon-4) information call 672-3672. www.claytonlibrary.org

November 1 tentative – Annual “**Stampede**” Mt. Diablo Elementary School 1k and 5k Fun Run/Walk fundraiser – for information contact Cindy Knapp cindyknapp10@yahoo.com

November 21st, 22nd & 23rd -- Annual Clayton Valley Woman's Club **Holiday Boutique Sale** ; 11am to 4pm, Clayton Community Meeting Room, 6125 Clayton Road. Information call Peggy Arundell at 672-2043 or Priscilla Manlove at 672-3039.

December 6 -- Annual Caroling and Tree Lighting. Rain or Shine --Downtown Clayton, Grove Park to Main and Oak Streets,- Carriage Rides 4:30-6:30; Caroling 6pm; Tree Lighting 6:30 pm . Information Call CBCA at 672-2272.

December TBD – Annual **Hospice Tree Lighting** @ Concord John Muir Hospital Parking Lot, Almond /East Street 5:30 pm., for info contact at 925-887-5678 or at www.hospiceeastbay.org

December 11 tentative -- Annual Christmas Cookie Contest Judging Reception, 6:30 pm at Clayton Community Library Meeting Room, 6125 Clayton Road. Contest Deadline 10th. Call Clayton Pioneer at 672-0500 for information, or www.claytonpioneer.com

December 13 -- Annual Christmas Tea with Mrs. Claus and Santa 11 am – 2 pm, Endeavor Hall, 6008 Center Street - Call CBCA at 672-2272

December 13 tentative – Annual Holiday Toy Collection Clayton Valley Charter High School Lacrosse Team – new toy donations being accepted 10 am to 2pm, at the Grove Park Gazebo, downtown Clayton – for info contact Tracy Morse, CVHS Men's Lacrosse Team Rep, Tel: 925-207-0382; email: traceylmorse@gmail.com more info at www.cvlacrosse.com.

December 14 – Annual Holiday Home Tour Noon - 7pm Various homes in the Clayton Valley area, Information - call Clayton Historical Society at (925) 672-0240 or www.claytonhistory.org.

Other events, activities, and local organizations

Clayton Community Gym and Recreation: All year

Various activities for youth and adults including basketball and volleyball through a management partnership with the All Out Sports League (AOSL). Gym rental available for kids parties and events too. Contact the Clayton Community Gym located at Diablo View Middle School call (925) 203-5626; www.alloutsportsleague.com

Clayton Community Library various programs and activities: 6125 Clayton Road; www.claytonlibrary.org; or call 673-0659.

Clayton Museum various history exhibits 6101 Main Street (Joel Clayton Home)

-- Open Wednesdays and Sundays 2pm to 4pm; and Saturdays June 1 through August 31st from 10 am – Noon;

or by appointment and during some special downtown community events. 6101 Main Street; www.Claytonhistory.org or phone 672- 0240 for more information.

Little League Season

March 14 through July 24: contact Clayton Valley Little League, Kevin Christiansen at Christiansen.kevin@gmail.com

Soccer Season

Youth – August 1- November 20: contact Mt. Diablo Soccer League, Stephani Cicconi 925-383-1989

email: stephanicicconi@yahoo.com

Adult – July – Sept.: contact Clayton Soccer Club, Rob Sears at 925-451-1110

Oakhurst Country Club (private membership golf, tennis, swim, swim team and gym club) www.oakhurstcc.com

Or call 672-9797 x205; x210; x217

Oakhurst Business Networking Mixer – First Thursday of every Month. Open to the Public, free. Oakhurst Country Club, 1001 Peacock Creek Dr. (925) 519-8753; <http://oakhurstcc.eventbrite.com/>

Dana Hills Cabana Swim Club (memberships to the public available) contact Shauna Maffei 925-381-2021;

shaunamaffei@gmail.com or www.danahillsotters.com

Dana Hills Swim Team (Otters) contact: Cathy Meyers 683-2125 or cathy@diabloValley.net; or

Lauren Velez 768-6685 velezfamily@comcast.net (pentathlon meet is mid July at Dana Hills) www.danahillsotters.com

Clayton Community Emergency Response Team (CERT) - The Community Emergency Response Team (CERT) provides opportunities for residents a, businesses and those that work in the community training to be prepared and have a formal structure in the event of an emergency. Training on home and neighborhood safety and response in various emergency and disaster is provided as well as training on hands only CPR. www.claytoncert.org for more information.

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School fundraisers and events contact various schools:

Mt. Diablo Elementary School Parent Faculty Club (PFC) Pres. Holly Tillman at hollytillman@gmail.com
or Yolanda Kowalewski at yodroz@sbcglobal.net ph: 672-4544

www.mdusd.k12.ca.us/mountdiabloelementary OR <http://mtdiabloelementary.mdusd.org/PFC>

Diablo View Middle School Parent Faculty Club (PFC) Megan Kommer President at kommer@sbcglobal.net
or ph 348-3831; Sharon McNulty sharonmcnulty@gmail.com, ph: 348-0999

www.mdusd.k12.ca.us/diabloview OR <http://www.mdusd.k12.ca.us/diabloview/PFC/pfc.html>

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<http://sites.google.com/site/claytonvalleycharterhighschool>; registrar Helen Bendoyro at (925) 682-7474 x 3109.

parent boardmember/liaison — Alison Bacigalupo, abacigalupo@comcast.net; or alison.bacigalupo@claytonvalley.org
ph (925) 672-4241

February 8 – 38th Annual **Camellia Tea**, Clayton Historical Society, 6101 Main Street, 1pm to 4pm. Coffee, tea, and treats honoring the veterans from WW2. A great opportunity to tour the Museum decorated in the season's bloom of camellias. For more information call Mary Spryer 672-7232 or www.claytonhistory.org.

March 1st – 15th Annual **Chili Cook Off** – **Clayton Club Saloon**, 6096 Main Street, 10am – 4pm; judging noon-1pm. Prizes-awards for top three of 20 entries. Entry forms at Clayton Club. For info www.claytonclubsaloon.com; or email at steve@claytonclubsaloon.com; (925) 998-0549.

March 7th – **Library 20th Birthday Recognition Program** – Annual Library Birthday recognition, Foundation meeting and volunteer recognition Clayton Library Hoyer Hall 10 am to 11 am. For more info contact Joyce Atkinson at 672-3850.

March 12 - American Cancer Society **Clayton Rely For Life Kick Off orientation meeting** open anyone interested in learning more about the event and helping or participating -7:00 pm St John's Episcopal Church 5555 Clayton Road, Clayton CA, for more information www.relayforlife.org

March 27, 28 and 29 -- **Annual Clayton Library Birthday Celebration and Creekside Arts Celebration**
Friday 6pm-8:30pm; Saturday 10am- 6pm; Sunday Noon-5pm – Clayton Community Library 6125 Clayton Road; for info call Arlene Nielson 673-9777 or email at akiksen@aol.com

April 1 through 31 – **April on the Mountain** – various hikes and nature activities within Mt. Diablo State Park and nearby regional park areas. For information call 673-2891 or 972-7222.

April 8 through October 28 (tentative)-- **Wednesday evenings Classic Cars and Classic DJ Rock and Roll** music 6pm-8pm Main and Diablo Streets downtown Clayton. For more information call Skipolini's Pizza at 672-1111.

April 15th - Clayton Theater Company **Arsenic and Old Lace special preview** Endeavor Hall 6008 Center Street - 50% of ticket sales will go to the American Cancer Society Relay for Life of Clayton. www.BrownPaperTickets.com - for more information www.claytontheatrecompany.com or Roxanne Pardi at _____

April 16th – 19th & 22nd – 25th - Clayton Theatre Company presents **Arsenic and Old Lace** a classic Broadway comedy stage play at Endeavor Hall 6008 Center Street, Clayton CA 94517. \$22.00 Adults • \$18.00 Seniors 62 & older • \$16.00 Students
Box Office opens at 6:30pm – tickets available www.BrownPaperTickets.com For more information www.claytontheatrecompany.com or Roxanne Pardi at _____

April 17, 18, 19 – **Spring Book Sale**. The Semi Annual Library Foundation pre owned Book Sale @ Clayton Library Community Room, 6125 Clayton Rd. Fri. 4-7 CCLF members only- memberships can be purchased at the door; general public--Sat. 10-6; Sun. Noon-4; information call 672-3672 www.claytonlibrary.org

April 29 – **Annual Spaghetti Feed** – 5pm – 8pm at Endeavor Hall, 6008 Center Street, Downtown Clayton, AAUW American Association of University Women for information contact Joan Chesterman at 672-7815 or email: JChesterman@astound.net

April 24 and 25 – **Clayton Community Library Foundation 20th Anniversary elegant dessert celebration Murder Mystery** 7pm-9pm; tickets \$15, Clayton Library Hoyer Hall; for info call Arlene Nielson 673-9777 or email at akiksen@aol.com

April 25 and 26 – **Annual Gardens Tour** 10am – 4pm Rain or Shine various homes in the Clayton Valley area, Information - call Clayton Historical Society at (925) 672-0240 or www.claytonhistory.org

April 25 – Spring **Clayton Cleans Up** - Rain or shine, 9 am to Noon. Meet at City Hall Courtyard, 6000 Heritage Trail, for Information - call Pamela at Clayton Pioneer at 672-0500 or email: pamela@claytonpioneer.com.

April 25 – 20th Annual **Devil Mountain Double Century Bicycle Ride**- starts and ends in San Ramon-- Pine Hollow Rd, Mt Zion to Clayton Rd, to old Marsh Creek Rd, 7:30am- 9:30am for info contact Scott Halversen (510)-882-6727, email: syh_cpa@pacbell.net or www.quackcyclists.com

May 2nd and 3rd -- Annual **Art and Wine Festival** **Sat: 10am – 7:00 p.m.; Sun: 10am – 5pm**, Main Street downtown Clayton. Art, Crafts, Food, Music, Kiddieland. Information - Call CBCA at 672-2272; or www.claytoncbca.org

May 9 through September 26 – **Clayton Farmers Market** Saturday's 8am-Noon – Downtown Clayton on Diablo Street (between Main and Center Streets). For more information contact Pacific Coast Farmers Market at www.pcfma.com or call 1-800-949-3276 (no market on September 7).

May 9 – **Annual Plant Sale**, Clayton Valley Garden Club, Rain or shine. Endeavor Hall Parking Lot 8 am-1pm. Call Diane Selme at (925) 672-2845 for information; email: dianeandrolf@aol.com or www.claytonvalleygardenclub.org

May 9 – Clayton Valley Charter High School – Bands/Music March – A – Thon. 9am to noon- Downtown, to Library, Easley Drive, Stranahan Circle and Grove Park. For info contact Venus Suasin at vsuasin@comcast.net

May 9 -- Concerts in the Grove kick off 6pm – 8:30pm – Grove Park Gazebo Downtown Clayton –Main Street– **Department of Rock** - known for their..... precise harmonies, this band is tops in northern CA. They will bring you back to the days of sock hops, drive in movies, beach parties and clean living. www.departmentofrock.com

May 23 -- Sat Night Concerts in the Grove — 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street - **Big Band Beat** with spot-on vocals, that plays the true musical heart and sound of the _____. This is a get up and dance band. harmonies, but most important, the feel of the _____. www.bigbandbeat.com

May 25 – Annual Memorial Day Program by the VFW Post 1525, 10am Downtown Clayton Flagpole, Main and Oak Streets. Information call Paul Carroll at 628-9508 or paulgcarroll@sbcglobal.net.

June 1 – Annual Clayton Business and Community Association Golf Tournament, Oakhurst Golf Course; noon shotgun start, dinner afterwards. Contact CBCA at 672-2272 or www.claytoncbca.org

June 6 – Sat Night Concerts in the Grove -- 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street the “**Boys of Summer Tribute**” music style of band goes here . www.boysosummertribute.com for more info.

June 11 – Thurs. Night Grove Concert – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street - **name of band here** bring elements of rock, swing, blues, 60s soul and R&B. This 10-piece rock and soul band from Los Gatos plays the greatest songs recorded. Known for their high energy and fun performances, you will dance to the. www.websitehere.com

June 20 – Sat Night Concerts in the Grove — 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street “**Mustache Harbor**” " Featuring the sound of _____ **big-band sounds of the 40s, 50s, and 60s**, including swing and our favorite “crooner tunes” of yesteryear through today. 40 professional musicians! www.mustacheharbor.com

July 2 - Clayton Youth Theatre Camp presents scenes from: “Aladdin Jr.”, “Matilda” & “Newsies” at Endeavor Hall 6008 Center Street, show times at 1:00 pm & 3:00 pm. - for more information www.claytontheatrecompany.com or Roxanne Pardi at _____

July 2 – tentative Thurs. Night Concert in the Grove – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street “**Band TBD**” type of music here . [www.band web site here.com](http://www.bandweb site here.com) for more info.

July 4 – Annual Pancake Breakfast & Parade– Downtown Clayton, Pancakes at Endeavor Hall(6008 Center Street) at 7am Clayton Valley Sunrise Rotary, \$5 adults and \$3 kids 12 and under; parade on Main Street 10 am, for info: Sandy Johnson at 693-0463 or main parade application at www.cityofclayton.org (no parade application needed for kiddie parade – just line up o Oak street near between Main and Center Street that morning)

July 4 – Sat. Night Concerts in the Grove – 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton - Main Street “**Plan B**” music style goes here www.facebook.com/PlanBCLayton

July 10 tentative - Friday Night Family Movies – “movie TBD outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. www.claytoncc.com

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July 18 – Sat Night Concerts in the Grove - 6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street – **Loose Blues** band features _____ music. Singing the greatest new country hits of today with some great rock-n-roll and standards of country music. A little bit country and a little bit rock-n-roll. www.looseblues.com

July 24 tentative - Friday Night Family Movies – “movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. www.claytoncc.com

July 30 – tentative Thurs. Night Concert in the Grove – 7pm - 8:30 pm pm Grove Park Gazebo Downtown Clayton --Main Street **band TBD, music info goes here** for more info. , **band web site goes here**

July 31 tentative - Friday Night Family Movies – “movie TBD” outdoor movies and social in the parking lot next to the Clayton Community Church offices, 8pm-10pm, 6055 Main Street downtown Clayton, for information call 673-9060. www.claytoncc.com

August 1 – Sat Night Concerts in the Grove — 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton--Main Street – **Diamond Dave Hosley** is back for the 8th consecutive year with his ability to cover **all round hit music from yesterday to today**. With capacity crowds at every Clayton concert, he is truly one of Clayton’s favorites. www.davehosley.com

August 6 – Thurs Night Grove Concert — 7:00 pm – 8:30 pm Grove Park Gazebo Downtown Clayton--Main Street band to be determined

August 8 - Sixth Annual Rib Cook-Off 10 am – 6pm; CBCA Annual Event at Clayton Club patio 6096 Main Street – for more info contact Sue White at 672-2272 or www.claytoncbca.org or www.claytonclubsaloon.com

August 15 (tentative) – Relay For Life – American Cancer Society – location to be determined, contact Lindsay.Davis@cancer.org or at (925) 788-0064 or relayforlife.org/california

August 15 – Sat. Night Concerts in the Grove 6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street **“The Fundamentals”** a high-energy stage show with three dynamic lead vocalists, the hottest horn players around and a super tight four-piece rhythm section. “Red Hot Rockin’ Soul” for the last 15 years. From Michael Jackson, Earth Wind & Fire and Beyoncé to Journey and Bon Jovi, you will hear your favorite **R&B, rock, pop and soul tunes**.

August 20 – Thurs Night Grove Concert – 6:30-8:30 pm Grove Park Gazebo Downtown Clayton --Main Street **“band TBD**.

August 29 - Sat Night Concerts in the Grove –6pm to 8:30 pm Grove Park Gazebo Downtown Clayton --Main Street - **“FourJour”** -- a tribute band to Foreigner and Journey www.reverbnation.com/forejour

September 5 – Eleventh Annual Soap Box Derby and Classic Car Show 9 am – 3 pm, Main Street Downtown Clayton. For information call Clayton Community Church (925) 673-9060.

September 11 (tentative) – 9/11 Remembrance, 7pm at Station 11 Firehouse lawn – corner of Center and Clayton Rd. bell ringing and candlelight walk to downtown flagpole for information call Clayton Community Church at 673-9060.

September 12 – Concerts in the Grove — last concert of the summer 6pm – 8:30 pm Grove Park Gazebo Downtown Clayton -- Main Street – **East Bay Mudd** – This 10-piece cover dance band with a powerful four-man horn section, will keep you dancing all night long. Their upbeat and commanding take on **contemporary classics, soul, funk and R&B tunes** leaves you asking for more. Always a great band to end our concert season. www.eastbaymudd.net

September/October TBD — Clayton Valley Charter High School **Homecoming Parade** —4-6pm, Main Street, call Ms. Ljepava, 682-7474 for information.

Oct. 2, 3, & 4 – Oktoberfest kids Carnival – Main/Oak St. CC Church offices parking lot & field Friday Oct 2, 5pm-10pm Sat Oct 3, 11am-10pm; Sunday Oct 4, 11 am to 9 pm Information - Call CBCA at 672-2272; or www.claytonoktoberfest.com

October 3rd & 4th – Oktoberfest Sat: 11am - 8pm; Sun: 10 - 6pm; Main Street Downtown Clayton. Art, Crafts, Food and kids Carnival rides. Information - Call CBCA at 672-2272; or www.claytonoktoberfest.com

Oct. 9-11, 15-18, & 22-24 – Clayton Theatre Company presents **Urinetown** a Tony award winning musical comedy at Endeavor Hall 6008 Center Street, Clayton CA 94517– tickets at www.BrownPaperTickets.com For more information Roxanne Pardi at _____ OR www.claytontheatrecompany.com.

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November 20, 21 & 22 (tent) -- Annual Clayton Valley Woman’s Club **Holiday Boutique Sale**; 11am to 4pm, Clayton Community Meeting Room, 6125 Clayton Road. Information call Peggy Arundell at 672-2043 or Priscilla Manlove at 672-3039.

December 5 -- Annual Caroling and Tree Lighting. Rain or Shine --Downtown Clayton, Grove Park to Main and Oak Streets,- Carriage Rides 4:30-6:30; Caroling 6pm; Tree Lighting 6:30 pm . Information Call CBCA at 672-2272.

December TBD – Annual **Hospice Tree Lighting** @ Concord John Muir Hospital Parking Lot, Almond /East Street 5:30 pm., for info contact at 925-887-5678 or at www.hospiceeastbay.org

December 10 -- Annual Christmas Cookie Contest Judging Reception, 6:30 pm at Clayton Community Library Meeting Room, 6125 Clayton Road. Contest Deadline 10th. Call Clayton Pioneer at 672-0500 for information, or www.claytonpioneer.com

December 12 -- Annual Christmas Tea with Mrs. Claus and Santa 11 am – 2 pm, Endeavor Hall, 6008 Center Street - Call CBCA at 672-2272.

December 12 (tentative) – Annual Holiday Toy Collection Clayton Valley Charter High School Lacrosse Team – new toy donations being accepted 10 am to 2pm, at the Grove Park Gazebo, downtown Clayton – for info contact Tracy Morse, CVHS Men’s Lacrosse Team Rep, Tel: 925-207-0382; email: traceylmorse@gmail.com more info at www.cvlacrosse.com.

December 13 – Annual Holiday Home Tour Noon - 7pm Various homes in the Clayton Valley area, Information - call Clayton Historical Society at (925) 672-0240 or www.claytonhistory.org.

Other events, activities, and local organizations

Clayton Community Gym and Recreation: All year

Various activities for youth and adults including basketball and volleyball through a management partnership with the All Out Sports League (AOSL). Gym rental available for kids parties and events too. Contact the Clayton Community Gym located at Diablo View Middle School call (925) 203-5626; www.alloutsportsleague.com

Clayton Community Library various programs and activities: 6125 Clayton Road; www.claytonlibrary.org; or call 673-0659.

Clayton Museum various history exhibits 6101 Main Street (Joel Clayton Home)

-- Open Wednesdays and Sundays 2pm to 4pm; and Saturdays June 1 through August 31st from 10 am – Noon; or by appointment and during some special downtown community events. 6101 Main Street; www.Claytonhistory.org or phone 672- 0240 for more information.

Little League Season

March 14 through July 24: contact Clayton Valley Little League www.CVLL.org or Kevin Dern (415) 760-1198 or email: kdcvll@gmail.com

Soccer Season

Youth – August 1- November 20: contact Mt. Diablo Soccer League, Stephani Cicconi 925-383-1989 email: stephanicicconi@yahoo.com

Adult – July – Sept.: contact Clayton Soccer Club, Rob Sears at 925-451-1110

Oakhurst Country Club (private membership golf, tennis, swim, swim team and gym club) www.oakhurstcc.com

Or call 672-9797 x205; x210; x217

Oakhurst Business Networking Mixer – First Thursday of every Month. Open to the Public, free. Oakhurst Country Club, 1001 Peacock Creek Dr. (925) 519-8753; <http://oakhurstcc.eventbrite.com/>

Dana Hills Cabana Swim Club (memberships to the public available) contact Shauna Maffei 925-381-2021; shaunamaffei@gmail.com or www.danahillsotters.com

Dana Hills Swim Team (Otters) contact: Cathy Meyers 683-2125 or cathy@diabloValley.net; or

Lauren Velez 768-6685 velezfamily@comcast.net (pentathlon meet is mid July at Dana Hills) www.danahillsotters.com

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Clayton Theater Group – started in 2012– to entertain, educate and elevate the community and surrounding areas with live theater. CTG is a nonprofit theatre company providing performing arts to the local and surrounding community. Spring and fall productions with actors 16 or older are provided and a summer youth theater camp for ages 6-16. Rehearsals and shows at Endeavor Hall – For information contact Roxanne Pardi at 222-9106 or email claytontheatercompany@comcast.net; <http://www.claytontheatrecompany.com> OR <https://www.facebook.com/pages/Clayton-Theatre-Company>

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Diablo View Middle School Parent Faculty Club (PFC) Kristy Downs email:fivedowns@sbcglobal.net OR; Jennifer Lauricella email: jlauricella@gmail.com <http://diabloview.mdusd.org>

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Parent Faculty Club – president Deeanne Carlson email: pfc@claytonvalley.org website: <http://www.cvchspfc.com>

Governing Board parent representatives Megan Kommer ph 348-3831 megan.kommer@claytonvalley.org; OR kommer@sbcglobal.net; April Winship april.winship@claytonvalley.org



COMMUNITY
DEVELOPMENT (925) 673-7340
ENGINEERING (925) 363-7433

6000 HERITAGE TRAIL • CLAYTON, CALIFORNIA 94517-1250
TELEPHONE (925) 673-7300 FAX (925) 672-4917

City Council
HANK STRATFORD, *MAYOR*
DAVID T. SHUEY, *VICE MAYOR*
JIM DIAZ
HOWARD GELLER
JULIE K. PIERCE

September 4, 2014

Via fax (916) 558-3177

The Honorable Edmund "Jerry" Brown
Governor, State of California
State Capitol Building, Suite 1173
Sacramento, CA 95814

Re: Request for Signature: SB 270 (Padilla, de León, and Lara) Single-Use Grocery Bags Bill

Dear Honorable Governor Brown,

The City Council of Clayton **strongly supports Senate Bill 270**, which will reduce bag pollution and waste by restricting single-use plastic grocery bags and placing a ten cent minimum charge on paper and reusable bags. We respectfully urge you to sign the bill into law.

As a small populated city (11,000+) in Contra Costa County with limited governmental revenues, our City Council has long desired to ban within our community the single-use plastic grocery bags. Unfortunately, we cannot endure the plastic industry's opposition to this objective, threats of litigation, nor suffer the expense of preparing our own environmental study to enact the local ban. SB 270 offers a universal statewide approach to this desired ban, one which will aid in keeping our community's streams, creeks and sensitive habitats free of clogging plastic bags.

Plastic bags are a costly, environmentally damaging, and easily preventable source of litter and pollution. Light and aerodynamic, plastic bags are uniquely litter-prone even when properly disposed of, and pose a serious threat to the riparian and marine environment and wildlife. When no longer visible to the naked eye, plastic bags have degraded into tiny particles that absorb toxins and contaminate our food chain and water and soil quality.

There is no free bag. Single use plastic bags are costly to both consumers and taxpayers. The more than 13 billion single use plastic bags distributed by California grocers cost over \$200 million annually. The costs of these one-time use products are passed on to consumers in the form of higher grocery prices.

Californian taxpayers pay a second time. In 2013, California communities reported to NRDC that they are spending \$428 million every year to prevent and clean up litter that pollutes our waterways. Based on litter studies, plastic bags represent as much as 10%-25% of litter; plastic bag pollution prevention may represent up to \$43-107 million in local government costs. And waste management facilities are losing as much as \$1 million each year to deal with plastic bags in their machinery, as reported by the City of San Jose in 2010.

Numerous cities and towns in our Bay Area have already adopted local bans on plastic bags and would be grandfathered into this bill. Our City wishes it could join them – SB 270 provides us that uniform opportunity. The results from these existing policies demonstrate both environmental and economic success, and public support. The City of Clayton supports extending this solution statewide.

The economic and environmental costs of single-use plastic bags simply outweigh any short-term benefit. Phasing out single use plastic bags will reduce plastic pollution and the costs associated with it.

Please sign SB 270 into California law and once again provide national leadership on this issue.

Sincerely,



Hank Stratford
Mayor

cc:

Gareth Elliot, Legislative Secretary, Office of the Governor, Gareth.Elliott@GOV.CA.GOV

Graciela Castillo-Krings, Deputy Legislative Secretary, Office of the Governor, Graciela.Castillo-Krings@GOV.CA.GOV

Caroll Mortensen, Director of CalRecycle, Caroll.Mortensen@calrecycle.ca.gov

Californians Against Waste, suevang@cawrecycles.org

Honorable Clayton City Council Members

Creekside Arts 2015!

"The Future Belongs to Those Who Believe in the Beauty of Their Dreams..."

Schedule of Events - a FREE weekend of art, nature & culture at...
The Clayton Community Library's 20th birthday!

MARCH 27 (6-8:30p.m.), MARCH 28 (10-6), MARCH 29 (12-5, library opens @1)
The Clayton Community Library Foundation in cooperation with the City of Clayton

* **FRIDAY (6-8:30p.m.) OPENING RECEPTION**, mini sampling of ART for sale, art demo's & awards, music, silent auction, light refreshments...

6:30 p.m. "Eurasian Eagle Owl" our "live" animal mascot is the largest in the owl family, by Jenny Papka, Native Bird Connections. Watch artists paint them during "live" demo's: Seema Mahboob, Walnut Creek Civic Arts, collage, Samantha McNally, CA Watercolor Assoc., watercolors and nature watercolors

7:00 p.m. VINTAGE, fun tunes with Santiago Martinez, Maryann Tarantino

7:30 p.m. Presentation of Art Awards, juried by Bedford Gallery, Art Concepts Inc., CA Writer's club, and Arts & Culture Commission of Contra Costa County.

* **SATURDAY (10-6) Ongoing ART SALES & ECO GROUPS**, interactive art demo's, storytelling, nature tour, face painting, crafts, silent auction...

10:00-12:00 PLEIN AIRE nature painting, paint outdoors with Leslie Wilson, Walnut Creek Civic Arts

11:00-12:00 ***NEW*** ANNIE & FRIENDS, dog & pony show, Faith Taylor Snowfire Ranch

1:00-1:30 JOY'S QUILT: A Clayton Civil War Tale, Joy Koonin, storyteller dressed in character as a young girl living on a farm on Mt. Diablo during the Civil War period. Craft with authentic quilt patterns afterwards for attendees through 5th grade.

1:00-3:00 ***NEW*** MOTHER GOOSE STORYTELLING, join Julie Gilchrist (Mother Goose)!

2:00-3:00 ***NEW*** HYPERTUFA WORKSHOP, join Anna Zakaria to create this form of plant pottery

3:00-5:00 "DOC" HALE, Wildlife Field Biologist, ethnobotanist, & Matthew Bettleheim, wildlife biologist, herpetologist will bring a Western Pond Turtle. Join them for Chupcan, Miwok local history, the Western Pond turtle habitat and local nature. An outdoor Interpretive tour follows with photo opportunities beginning at the library's creekside habitat.

3:30-4:30 ***NEW*** MEET THE AUTHOR, California Writer's Guild, Walnut Creek chapter, join us for informal Q & A with 12 published authors throughout the weekend in the Story Room

4:30-5:30 MEET THE ARTIST, ECO GROUP, informal Q & A.

* **SUNDAY (12-5, library opens @ 1) Ongoing ART SALES & ECO-GROUPS**, interactive nature tour and music, face painting, crafts, silent auction...

12:00-1:00 ***NEW*** NATURE WALK & JOURNALING, led by Patrice Hanlon, formerly of Heather Farms Park, will lead you on a journey on the trails and back to journal.

1:00-3:00 ***NEW*** MOTHER GOOSE STORYTELLING, join Julie Gilchrist (Mother Goose)!

2:00-2:30 UKULELE JAM & HULA, Ehu Alidon, bring your ukulele to join in!

2:30-3:00 DIABLO TAIKO, experience this powerful Japanese drumming firsthand with audience participation.

3:00-5:00 "LAST MINUTE", classic soul and R & B band, vocals by Azeeta Nikoui

4:00-4:30 - PEOPLE'S CHOICE AWARD announcement! Come vote for your favorite!

*The Clayton Community Library, 6125 Clayton Rd., Clayton, CA 94517 *
www.claytonlibrary.org *Questions? Arlene, creeksideartsfest@gmail.com, 925.673-9777

Clayton Cleans Up April 25, 2015



Clayton Cleans Up April 25, 2015



It pays to replace that thirsty lawn

Now that spring weather has arrived we will all start spending more time outside. If that means mowing, fertilizing and spraying those weeds coming up in your front lawn, then the Contra Costa Water District has an alternative. The District has a rebate program that will pay you to replace that water thirsty lawn with a water-efficient garden.

Converting a 30 x 30 foot lawn can save more than 25,000 gallons per year. But the rewards go far beyond the water savings. "What people find out is that they love the new look of their yard," says CCWD's Bob Eagle. "They find they have replaced their green with a beautiful, eye catching front yard full of color."

Remove the front laws, and you remove that pesky weekly commitment to water, mow and fertilize. "Now, you don't

have to spend time trying to figure out how to kill the crab grass," Eagle says. "Now you have more time to do what you want."

Single-family residential customers can receive a rebate of up to \$500.

Commercial and municipal customers can receive a rebate up to \$5,000 when they replace their front lawns and other publicly visible lawns with water-efficient landscaping.

The rebate program will last only for a limited time. The program is not retroactive, and properties must be pre-approved by CCWD before any work is started in order to be eligible for the rebate.

Complete program details can be obtained by visiting www.ccwater.com/conserves, or by calling (925) 688-8320 for a program brochure.

\$500 REBATES

LOSE THE LAWN, GET A GARDEN

CCWD is offering rebates to encourage customers to replace their front lawns with Water-Efficient Landscaping

Up To \$500 for Residential Homes



Up to \$5,000 for Commercial Properties



CONTRA COSTA WATER DISTRICT

Funding is limited, so call today!

For program information:
www.ccwater.com/conserves or call (925) 688-8320

Professional Tree Management

\$50 off any service of \$300 or more

or

\$100 off any service of \$1000 or more

- Arborist Consulting
- Landscape Division
- Crane Services
- Firewood

- Stump Grinding
- Pruning
- Removals
- Installation



Contractors License # 679423
Arborist License # WE7372A

FREE ESTIMATES

925-250-0334

www.waranertreeexperts.com

Good for the earth, easy on the eyes.

925.250.0334



Presented By Warner Tree Experts



a beautiful way to save water

Landscape color that requires no water? Good for soils and plants, Earth Blend's rich color and consistent texture make it a satisfying design element as well as mulch.

Pricing:

Natural - \$29 per yard

Colored - \$50 per yard

Top Soil - \$39 per yard



www.EarthBlendMulch.com

Organic
No artificial preservatives or chemicals washed streets

Local
Responsible local materials & labor

Tree Source
Made only from recycled mulch or removed trees

Section C- 7: Additional Public Information and Outreach documentation information, including news articles, media ads, media articles and other print media, was not available for reproduction at the time of the Annual Report submittal deadline, and will be provided when received.

Attachment C7d

**City of Clayton
Emergency & Environmental Management
Phone Numbers**

Local/County/Regional Governmental Contacts

City of Clayton

Stormwater Contact: Laura Hoffmeister
6000 Heritage Trail, Clayton, CA 94517
staff office: (925) 673-7300; direct/vm: 673-7308; or
cell: (925) 250-8532 LHoffmeister@ci.clayton.ca.us
After Hours: contact Clayton Police Dispatch
ask for an officer on Duty (925) 673-7350

Maintenance Dept.: City of Clayton, 6000
Heritage Trail, Clayton CA 94517: (925)
673-7300
After Hours: contact Clayton Police Dispatch
ask for an officer on Duty (925) 673-7350

Local Police Department: Clayton Police
Department (925) 673-7350

Local Fire District: Contra Costa Fire Protection
District, 2010 Geary Road, Pleasant Hill, CA 94523;
Administration Office/Non-emergency: (925) 930-5500;
Communications Center (925) 930-5551
Emergency: 911 or 933-1313

Contra Costa HazMat 24 Hour Emergency:
(925) 646-1112

Wastewater Agency: City Sanitary Sewer Lines – (City
of Concord contract maintenance of City of Clayton sewer lines)
City of Concord Public Works, 1455 Gasoline Alley,
Concord, CA 94519: (925) 671-6448; After Hours
contact Concord Police Dispatch at 671-3333

Wastewater Agency: Treatment Plant – Central
Contra Costa Sanitary District, 5019 Imhoff Place,
Martinez: (925) 933-0955

Contra Costa Water District 24 Hour Emergency:
(925) 688-8095
Marie Valmores - Env. Compliance Manager
direct: (925)-688-8023

HazWaste Facility: Central Contra Costa Household
Hazardous Waste Collection Facility, operated by
Central Contra Costa Sanitary District, 4797 Imhoff
Place, Martinez, CA 94553: Toll Free 1-800-646-1431

East Bay Regional Park District – Fire District 24 Hour
Line: (510) 881-1121

**San Francisco Bay Regional Water Quality Control
Board:** (510) 622-2300

Central Valley Regional Water Quality Control Board:
(916) 464-4730

Adjacent Jurisdiction Contacts:

Concord Contact: Robert Ovadia, 1455 Gasoline Alley,
Concord, CA 94519: (925) 671-3470
Robert.Ovadia@cityofconcord.org
Frank Kennedy (925) 451-4294/(925) 932-7857
Concord Public Works: (925) 671-3448
Concord Police Dispatch: (925) 671-3333

Unincorporated County: Cece Selgren (925) 313-2296
After Hours—call HazMat or 911

Contra Costa Sheriff's Communications Center:
(925) 646-2441

CCC Environmental Health Services:
(925) 646-5225, 7:30 a.m. – 5 p.m. weekdays

State & Federal Agencies

Cal. Highway Patrol: (925) 646-4980

Office of Emergency Services Spill Line:
(800) 852-7550

Dept. Fish & Game – 24 Hour Dispatch during incident:
(831) 649-2801

CAL EPA – Dept. of Toxic Substances Control
(Region 2): (510) 540-3856

CAL Occupational Safety and Health
Administration: (925) 602-6517

US Coast Guard – Marine Safety Office:
(510) 437-3073

Bay Area Air Quality Management District:
(415) 771-6000; or 1-800-334-6367

Miscellaneous Contractors:

Roto Rooter : (925) 798-2122; or (925) 939-3100

Aquatic Habitat: (925) 957-1903

Engineering Remediation Resources Group Inc: (925)
969-0750

Terra Vac: (510) 351-8900

3-D Cleaning Services: (925) 671-7808

Diablo Steam Way: (925) 827-5757

Block Environmental Services: (925) 682-7200

Clean Bay: (925) 685-2800

Attachments

City of Clayton

for Section C-9

City of Clayton - IPM Administrative Policy

It is the purpose and intent of this IPM Policy to ensure that the City of Clayton departments and all those who apply pesticides to property owned and/or managed by the City of Clayton utilize integrated pest management (IPM) practices and reduce pesticide applications on public-owned and/or City of Clayton managed property to the maximum extent feasible and as required by State and Regional Stormwater regulation.

The City of Clayton, in carrying out its pest management operations, shall focus on long term prevention or suppression of pest problems with minimum impact on human health, non-target organisms, and the environment.

The goal of the City of Clayton is to reduce its use of pesticide use and use to maximum extent possible non-toxic methods to control pests on City of Clayton property. The City of Clayton recognizes that pesticides are potentially hazardous to human health and the environment, and non-pesticide alternatives will be considered over toxic pesticides on City of Clayton property. The first level consideration will be the least toxic method that is both effective and feasible. The City of Clayton has a IPM Standard Operating Procedures and Practices that will outline all the IPM activities that will be implemented to ensure that less toxic methods, that are effective and feasible, are used to control pests on City of Clayton property.

These documents may be updated as needed from time to time.

City of Clayton

Standard Operating Procedures & Practices

Administrative Policy for Pesticide Use

The following are standard operating procedures for the City of Clayton for pesticide use in the IPM operational practices within the City's jurisdiction. These procedures include all Municipal Regional Permit (MRP) stormwater requirements under Provision C.9, Pesticides Toxicity Control. The City of Clayton and the Contra Costa Clean Water Program work in conjunction to track and participation in regulatory processes, interface with the County Agricultural Commissioner, and conduct public outreach. For guidelines regarding the City of Clayton IPM program please refer to Attachment B, the City of Clayton's IPM Policy. The staff person or IPM Coordinator responsible for implementing, overseeing, reviewing and updating, and reporting the IPM program is Mark Janney, Maintenance Supervisor and their number is (925) 673-7327; or email at mjanney@ci.clayton.ca.us.

IPM Standard Operating Procedures

General

The City uses very limited pesticides, it is currently limited to use at city buildings for ants and similar pests. The City Contracts with Western Exterminator for building pest management. Periodically the City Contracts with a Contra Costa County Department of Agriculture approved IPM contractor for management of ground squirrels in certain areas when damage is occurring. The City also contracts with Environtech for management of non native invasive plant species of Star Thistle and Artichoke Heart in the Oakhurst Open Space. This is a limited area of apx. 125 acres. The EIR mitigation measures required management of this plant. The contractor is trained in IPM. Herbicide applications are targeted to these two plant species. The City maintenance mostly involves limited use of herbicides – specifically spot spraying of weeds in landscape areas, and pre-emergent in the fall and spring to minimize weed growth in certain landscape areas. The maintenance staff also applies slow release fertilizer periodically on active use lawn areas such as the park or sports play fields. All application are done according to the manufactures application specifications.

Pesticide Use

Pesticide use within the City of Clayton is determined by an assessment of each pest situation. Each assessment includes identification of the pest causing the damage (e.g., weed, insect, rodent, etc.), evaluation of prevention, exclusion and sanitation measures that will contribute to

successful pest management, evaluation of both non-chemical and chemical options for eliminating or reducing pest numbers, and then developing an integrated management plan using as many management options as practical and economical. Pesticides are generally used as a last resort and are chosen and applied in a manner that is least harmful to people and the environment. The pest problem should then be monitored to evaluate the success of the management strategy.

Particular scrutiny will be used to evaluate the necessity of using the pesticides of concern listed in the Permit under Section C.9: organophosphorous pesticides (chlorpyrifos, diazinon and malathion); pyrethroids (bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin, and tralomethrin).

Environmental impacts of the products are also considered. Pesticides of concern listed in C.9 of the MRP will go through a more rigorous process of review prior to considering their use. Each pesticide used are carefully monitored and recorded using a pesticide management database (see Attachment C).

Pesticide Applicators

All pesticide applicators and IPM providers have IPM training and certification as required by the MRP. All IPM contractors have IPM language in their contracts as required by the MRP. All IPM providers are required to follow these standard operating procedures.

IPM Training

All pesticide applicators will be trained annually in IPM. IPM training may include local, countywide, that included with PAPA licensing or regional efforts. All staff associated with planning, design, construction, and maintenance of buildings and landscaping shall receive an orientation to these standards operating procedures and their roles and responsibilities in implementing IPM within their work duties.

IPM Outreach

Pesticide application information will be provided to the public upon request. Public outreach for IPM includes point of purchase outreach and contractor outreach by the Bay Area Stormwater Management Agencies Association (BASMAA) as required by the MRP.

Reporting

A copy of the City of Clayton's IPM policy shall be included in the annual report. To the extent practicable and data is available, trends in quantities and types of pesticides used shall also be reported, as well as reasons for any increases. The annual report shall also include the percentage of City of Clayton employees who apply pesticides that have been trained in IPM. For any city hired contractor who applies pesticides, a copy of their contract specification; or certification; or other similar acceptable documentation shall also be included in the annual report. For regional regulatory, interface or outreach efforts, the City of Clayton may reference those regional reports.

CITY MAINTENANCE STAFF ACTIVITY

Information for storm water report Year 14-15

Herbicide common name, usage, and active ingredient

Trade Name: RANGER

Usage in 14/15: 5.3 gallons

Active ingredient: Glyphosate N (phosphonmethi) glycine in form of isopropylamin salt

Fertilizers Usage: 2000 pounds of fertilizer used on Park lawns - it was a slow release.

Material Removed in annual fall inspection

Landslide Debris bench: 55 cubic yards remove of silt

Creeks: 60 yards removed – mostly wood, brush, trash; including paper, plastic, bottles, and cans. Plus 30 yard vegetation and debris remove from in front of Creek Culverts

Catch Basin: 3.5 yards removed – mostly dirt with trash including paper, plastic, bottles, and cans. Roto Rotor removed 3 yards from 4 catch basins with vacuum truck cost \$3441.00

V Ditches: 14 yards removed – mostly dirt small amount of trash

Drain to the Bay Signs: 30 replaced with 40 new signs reported with some damage to be done in 15-16

Training: 3 Full time in pesticide application with IPM training at PAPA seminars 7/29/14 and 11/6/14 plus 1 attended Contra Costa Clean Water IPM guidance 6/16/15 Train total of 7 seasonal workers in pesticide application one or more was trained on theses dates 2/2/15, 5/6/15 and 6/17/15

Trash from City Parks and Roadways: 1,852 cubic yards Recycling 1,170 cubic yards

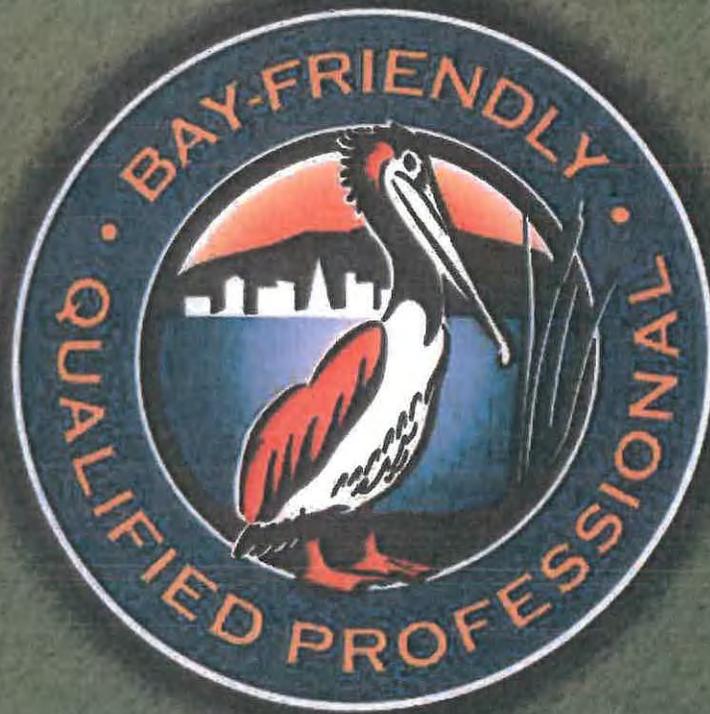
Inspection of Corp Yard: Inspected 6-22-15 Check and clean catch basin, removed debris from yard i.e. paint, signs, old light bulbs, and general house cleaning.

Hot Spot: Inspected and cleaned June 2015

Trash Capture Equip Catch Basins: 25 total catch basins inspected, cleaned and information put into Trash Tracker – July – Sep. 2014; and July 2015

City of Clayton

2012



2014

**BAY-FRIENDLY MAINTENANCE
PROFESSIONALS ON STAFF**

**John Johnston
City of Clayton**

2012



2014

**BAY-FRIENDLY LANDSCAPE
MAINTENANCE PROFESSIONAL**

Laura Hoffmeister

From: John Johnston <jjohnston@ci.clayton.ca.us>
Sent: Monday, September 14, 2015 11:35 AM
To: lhoffmeister@ci.clayton.ca.us
Subject: RE: your Bay Friend Recertification needed

It has been renewed, but they did not send me any certificate. It is listed as renewed on their website. FYI...The training that I went to made it very clear, as Bay Friendly came up in discussion, that the Bay Friendly Certificate was not a requirement as there is no recognized landscape training or certificate programs for storm water or IPM. I was one of only two people that had the certificate so the other cities brought up the discussion. NPDES No. CAS612008, Municipal Storm Water Permit, C.9.b Train Municipal Employees, references Bay Friendly as just another training opportunity. In our discussion on that document it was made clear that the Bay Friendly was not a requirement only a suggested training opportunity. They also stated that the Department of Pesticide Regulations Qualified Applicators Certificate and the Qualified Advisors License were more than sufficient for suggested training. Additionally they stated that when they do come up with certificates or training for landscapers as they relate to storm water or IPM, that the DPR training will be considered as it is regulated more efficiently. It is partially because of the discussion at the IPM training, that I took the test for the DPR's QAC so that I can receive better information on additional training that is monitored more efficiently. Bay Friendly has a long way to go to be truly recognized by the industry.

From: Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]
Sent: Saturday, September 12, 2015 3:50 PM
To: jjohnston@ci.clayton.ca.us
Subject: FW: your Bay Friend Recertification needed

John

Have not heard back from you

please advise as to current status, if expired when will you be retaking the course? I need to let the water board know if expired why and what doing about it and by when

Laura

From: Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]
Sent: Tuesday, September 08, 2015 1:08 PM
To: 'jjohnston@ci.clayton.ca.us'
Subject: RE: your Bay Friend Recertification needed

John:

Do you have the updated certification if so need to have to submit to state with the NPDES annual report

Laura

From: John Johnston [<mailto:jjohnston@ci.clayton.ca.us>]
Sent: Friday, February 06, 2015 10:00 AM
To: lhoffmeister@ci.clayton.ca.us
Subject: RE: your Bay Friend Recertification needed

I already paid for the recertification and they gave me until February 28th to get my 4 hours to complete the recertification process. Now I just need to find a course to go to...

From: Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]
Sent: Wednesday, February 04, 2015 6:01 PM
To: 'John '
Cc: mjanney@ci.clayton.ca.us
Subject: your Bay Friend Recertification needed
Importance: High

John:

There was not enough interest by others to do a group recertification training process – as many other cities have already just done their recertification or it will not come up for another year so each city and contractor the city uses needs to do it themselves. John S the weed abatement contractor already got his recertification.

You need to obtain yours ASAP as I understand it is already expired (2014) see link below as to how to go about recertification

I think we need to have the certification valid from 2015-2017 so no lapse

might want to have mark do so that both trained and have mark do in an off year from yours so that there is always one certified person... but I leave that to you and mark to think about etc

From: Beth Baldwin [<mailto:bbald@pw.cccounty.us>]
Sent: Tuesday, January 27, 2015 4:56 PM
To: Laura Hoffmeister
Subject: Bay Friend Recertification

Dear Laura:

Here is the link for recertification. I think it seems straightforward but if you or your maintenance supervisor have any questions, please don't hesitate to contact me.

<http://www.bayfriendlycoalition.org/requalify.shtm>

PS. It was good to catch up with you! Thanks for calling :>)

Beth A. Baldwin
Watershed Management Planning Specialist
Contra Costa Clean Water Program
255 Glacier Drive
Martinez, CA 94553
Tel: (925) 313-2164
E-mail: bbald@pw.cccounty.us

Contra Costa Clean Water Program's IPM Guidance Manual Training Workshop June 16, 2015

<u>First Name</u>	<u>Last Name</u>	<u>Job Title</u>	<u>Company</u>
Stephen	Prée	Environmental Programs Manager/ City Arborist	City of El Cerrito
Brad	Griffing	Park Supervisor	City of Walnut Creek
Amanda	Booth	Environmental Program Analyst	City of San Pablo
Michael	Moore	Maintenance Supervisor	City of Pleasant Hill
Dave	Casteel	Maintenance Supervisor	Town of Danville
John	Teixeira	Maintenance Supervisor	Town of Danville
Greg	Travers	Maintenance Supervisor	City of Lafayette
Wendy	Wellbrock	Associate Engineer	City of Orinda
Greg	St. Pierre	IPM Coordinator	City of Pittsburg
Mike	Alley	Parks Supervisor	City Of Concord
Billilee	Saengchalern	Assistant Engineer	City of Oakley
Rinta	Perkins	NPDES Program Mgr.	City of Walnut Creek
Rich	Payne	PW Manager	City Walnut Creek
Jeff	Gault	Operations Division Mgr.	City of San Ramon
Thomas	Vigil	Maintenance Supervisor	City of Lafayette
Bob	Cellini	PW Superintendent	city of martinez
Michele	Mancuso	Watershed Planner	CC County-Public Works
Christopher	Day	Engineering Geologist	CA Waterboard
Jesse	Dela Cruz	Maintenance Foreman	City of Oakley
John	Johnston	Maintenance Supervisor	City of Clayton



CONTRA COSTA
CLEAN WATER
PROGRAM

**Contra Costa Clean Water Program's
IPM Guidance Manual Training Workshop
June 16, 2015
8:00 a.m. to Noon**

- 8:00 Registration and Morning Refreshments
- 8:30 **Welcome and Introductions**
Beth Baldwin, Contra Costa Clean Water Program
- 8:40 **Provision C.9 Pesticide Toxicity of the Municipal Regional Permit**
Beth Baldwin, Contra Costa Clean Water Program
- 9:00 **Overview of the Guidance Manual and Model IPM Policy and Program**
Stephen Prée, Environmental Programs Manager/City Arborist, City of El Cerrito
- 9:30 **Structural IPM: From Pests to Pest Management**
Tanya Drlik, Contra Costa County IPM Coordinator
- 10:15 Break
- 10:30 **IPM for Landscapes: From Plant Health Care to Pest Management**
Stephen Prée, Environmental Programs Manager/City Arborist, City of El Cerrito
- 11:15 **Round-Table Discussion: Q & A**
- 11:45 Wrap Up and Evaluation
- Noon Adjourn

The Bay-Friendly Landscaping & Gardening Coalition confirms that

John Squadroni

has met the requirements to become a

**Bay-Friendly Qualified Landscape
Maintenance Professional**

effective April 20, 2012.



Debi Tidd

Debi Tidd
Bay-Friendly Landscaping & Gardening Coalition

From: Justin Breck [<mailto:justin@bayfriendlycoalition.org>]
Sent: Thursday, January 9, 2014 2:26 PM
To: 'environjon@aol.com'
Subject: Your Bay-Friendly Requalification

Dear John,

Thank you for renewing your status as a Bay-Friendly Qualified Professional, which includes a 2-year membership in the Bay-Friendly Landscaping & Gardening Coalition. In addition to your 2-year membership, you now have exclusive access to the most recent Bay-Friendly Qualified Professional (BFQP) seal, which makes it easy for you to share with clients and colleagues your commitment and qualification status. The digital seal is attached to this e-mail. We would also like to offer you free admission to one of the two upcoming February Brad Lancaster presentations. Simply type "REQUAL" into the promo code field in the registration portal. You can learn more about the presentations (and how to register) here: <http://www.bayfriendlycoalition.org/Calendar.shtml>

Your commitment to Bay-Friendly Landscapes is greatly appreciated. As we build the network and influence of Bay-Friendly Qualified Professionals in the coming year, we plan to leverage our programs to expand markets for your services and work toward a goal of making Bay-Friendly principles representative of the highest standards of sustainability in the landscape.

Thank you again for your commitment and contribution toward our efforts to create healthy & beautiful urban environments.

Kind regards,

Justin

Justin Breck | Administration and Operations Manager

Bay-Friendly Landscaping & Gardening Coalition

(510) 859 8026 ext. 707 | www.bayfriendlycoalition.org

 Please consider the environment before printing this message.



BAY-FRIENDLY
Landscape Maintenance
Professional



CITY OF CLAYTON

CONTRACTING SERVICES AGREEMENT

In entering into this Contracting Services Agreement ("Agreement") this 22nd day of APRIL, 2013 ("Effective Date"), the City of Clayton, a California municipal Corporation ("City") and Environtech Enterprises ("Contractor") (each a "party," and collectively the "parties"), do mutually agree and promise as follows:

1. Special Conditions:

- A) Contractor's Name & Address: Environtech Enterprises
1032 Mariposa Street
Vallejo, CA 94591
Ph. (707) 643-3355
- B) Payment Limit: \$ 177,000.00
- C) Expense Limit: \$ 0
- D) Completion Date: 12/31/15
- E) Contractor Federal Tax I.D. or SSN: 68-0259915

2. Employment; Independent Contractor: The City employs Contractor on an independent contractor basis, and Contractor is not an employee of the City. Contractor accepts such employment and shall provide materials, labor and equipment necessary to perform the services, described more fully in Exhibit A, which is attached to this Agreement and incorporated herein by this reference, (the "services") upon the terms and in consideration of the payments stated herein. The services required by this Agreement shall be performed by Contractor or under its supervision. Contractor shall determine the means, method and details of performing the services subject to the requirements of this Agreement. Contractor retains the right to perform similar or different services for others during the term of this Agreement. Any additional personnel performing the services under this Agreement on behalf of Contractor shall not be employees of City and shall at all times be under Contractor's exclusive direction and control. Contractor shall pay all wages, salaries, and other amounts due such personnel in connection with their performance of services under this Agreement and as required by law. Contractor shall be responsible for all reports and obligations respecting such additional personnel, including, but not limited to: social security taxes, certified payrolls, income tax withholding, unemployment insurance, and workers' compensation insurance.

3. Insurance: Contractor shall, at no cost to the City, obtain and maintain during the term hereof: (a) Workers' Compensation Insurance pursuant to State Law, and (b) Comprehensive Liability Insurance including coverage for owned and non-owned automobiles, with a minimum combined single limit coverage of \$1,000,000 for all damages due to bodily injury, sickness or disease, or death to any person and damage to property, including the loss of use thereof, arising out of each accident or occurrence. The Workers' Compensation policy shall include a waiver of subrogation. Contractor shall furnish evidence of such coverage, naming the City of

Clayton, its officers and employees as additional insured and requiring 30 days written notice of policy lapse or cancellation, to the City prior to the commencing work under this Agreement and as a condition precedent to the Agreement being effective. Insurance procured pursuant to these requirements shall be written by insurers that are admitted carriers in the state of California and with an A.M. Bests rating of A- or better and a minimum financial size VII.

4. **Payment:** The City of Clayton shall pay the Contractor for services performed at the rates shown in Exhibit B, attached to this Agreement and incorporated herein by this reference, which rates shall include all overhead and incidental expenses. In no event shall the total amount paid to the Contractor exceed the payment limit specified in Sec. 1 C) and D) without prior written approval of the City Manager, City of Clayton. Contractor's statement of charges shall be submitted at convenient intervals. Payment will be made within thirty (30) days after receipt of each statement.
5. **Time of Completion.** Unless the time is extended in writing by the City, the Contractor shall complete all services covered by this agreement no later than the completion date listed above. Interim completion dates, if any, will be established as shown in Exhibit A.
6. **Record Retention; Inspection.** Except for materials and records delivered to the City, the Contractor shall retain all material and records prepared or obtained in the performance of this Agreement, including financial records, for a period of at least three (3) years after Contractor's receipt of the final payment under this Agreement. Upon request by the City, the Contractor shall make such materials and records available to the City at no additional charge and without restriction or limitation on their use. The Contractor shall also make such materials and records available to authorized representatives of the State and Federal Governments at no additional charge.
7. **Documentation:** The Contractor shall prepare and deliver to the City at no additional charge the items, if any, described in Exhibit A to document the performance of this Agreement and shall furnish to the City such information as is necessary to enable the City to monitor the performance of this Agreement.
8. **Extra Work:** Any work or services in addition to the work or services described in Exhibit A shall be performed by the Contractor at rates as stated in Exhibit B. The Contractor shall be paid for the extra work at a rate mutually agreed on prior to commencement of the extra work. In no event shall the Contractor be entitled to compensation for extra work unless a written authorization or change order describing the work and payment terms has been executed by the City prior to the commencement of the work.
9. **Termination By The City:** At its option, the City shall have the right to terminate this Agreement at any time by written notice to the Contractor, whether or not the Contractor is then in default. Upon such termination, the Contractor shall, without delay, deliver to the City all materials and records prepared or obtained in the performance of this Agreement and shall be paid, without duplication, all amounts due for the services rendered up to the date of termination.
10. **Contract Extension:** At its sole option, the City shall have the right to extend the contract for three one-year terms. Contractor shall have the option to request a fee increase with each extension. Such increase may not exceed 2/3 of the annual increase in San Francisco, All Items, All Urban Consumers Price Index, with a maximum increase in any one year not to exceed 4%.

11. **Abandonment By Contractor:** In the event that the Contractor ceases performing services under this Agreement or otherwise abandons the project prior to completing all of the services described in this Agreement, the Contractor shall, without delay, deliver to the City all materials and records prepared or obtained in the performance of this Agreement, and shall be paid for the value of the services performed up to the time of cessation or abandonment.
12. **Breach:** In the event that the Contractor fails to perform any of the services described in this Agreement or otherwise breaches this Agreement, the City shall have the right to pursue all remedies provided by law or equity. Any dispute relating to the performance of this Agreement shall not be subject to non-judicial arbitration.
13. **Compliance with Laws:** In performing this Agreement, the Contractor shall keep itself fully informed of and in compliance with all applicable laws, statutes, ordinances, rules, regulations and reporting requirements, whether federal, state or local in origin, including without limitation all applicable Cal/OSHA and environmental regulations, of any nature. Contractor shall obtain and maintain in full force and effect all licenses required to perform the services under this Agreement for the duration of this Agreement.
14. **Assignment:** This Agreement shall not be assignable or transferable in whole or in part by the Contractor, whether voluntarily, by operation of law or otherwise provided, however, the Contractor shall have the right to sub-contract that portion of the services for which the Contractor does not have the facilities to perform so long as the Contractor notifies the City of such sub-contracting prior to execution of this Agreement. Any other purported assignment, transfer or sub-contracting shall be void.
15. **Indemnification:** The Contractor shall defend, indemnify, save and hold harmless the City and its agents, officers and employees from any and all claims, costs and liability, including attorneys fees, expert fees and litigation costs, for any damages, injury or death arising directly or indirectly from or in any way in connection with the services provided under this Agreement, due to or claimed or alleged to be due to negligent, whether active or passive, or wrongful acts, errors or omission of Contractor or any person under its control, save and except claims or litigation arising through the sole gross negligence or sole willful misconduct of the City. All City expenses, including attorneys fees, experts fees and litigation costs, related to any claims or litigation shall be paid by the Contractor as they are incurred.
16. **Prevailing Wages:** The Contractor and each of its sub-contractors shall pay all workers employed to perform the services under this Agreement not less than the wages specified in the General Prevailing Wage Determination made by the Director of Industrial Relations in effect on the date of this Agreement, and shall comply with all applicable requirements of California Labor Code Section 1720, *et seq.*, and 1770, *et seq.*, as well as California Code of Regulations, Title 8, Section 16000, *et seq.* ("Prevailing Wage Laws"). City shall provide Contractor with a copy of the prevailing rates of per diem wages in effect at the commencement of this Contract. Contractor shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to execute the Services available to interested parties upon request, and shall post copies at the Contractor's principal place of business and at the project site. Contractor shall defend, indemnify and hold the City, its elected officials, officers, consultants, employees and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws.
17. **Equal Opportunity Employment:** Contractor represents that it is an equal opportunity employer and it shall not discriminate against any employee or applicant for employment because of

race, religion, color, national origin, ancestry, sex or age. Such non-discrimination shall include, but not be limited to, all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination.

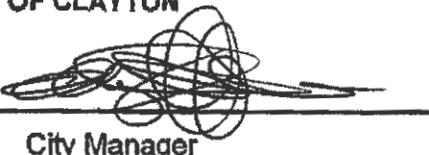
- 18. Attorneys Fees: If an action is commenced by either party against the other party to enforce the terms of this Agreement, the prevailing party shall be entitled to an award of reasonable attorneys' fees..
- 19. Heirs, Successor and Assigns: This Agreement shall inure to the benefit of and bind the heirs, successors, executors, personal representatives and assigns of the parties.
- 20. Entire Agreement. This Agreement contains the entire agreement of the parties with respect to the subject matter hereof, and supersedes all prior or contemporaneous negotiations, understandings or agreements, whether written or oral. This Agreement may only be modified by a writing signed by both parties.
- 21. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of California. Venue shall be in Contra Costa County.
- 22. Waiver. No waiver of any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit, privilege, or service voluntarily given or performed by a Party shall give the other Party any contractual rights by custom, estoppel, or otherwise.
- 23. No Third-Party Beneficiaries. There are no intended or incidental third-party beneficiaries of any right or obligation assumed under this Agreement by the parties.
- 24. Severability. If any portion of this Agreement is declared invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect.
- 25. Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original and all of which shall constitute one fully executed Agreement.

IN WITNESS WHEREOF, the undersigned duly authorized signatories have executed this Agreement on behalf of the respective parties, with the intent that it be effective on the Effective Date, on the respective dates shown:

CITY OF CLAYTON

ENVIRONTECH ENTERPRISES

BY


City Manager


OWNER

(Designate official capacity in the business)

DATE:

04-22-13

DATE:

4/19/13

Attachments: Exhibit A and Exhibit B, attached behind this page

EXHIBIT A

ENVIRONTECH ENTERPRISES OPEN SPACE MANAGEMENT PROPOSAL CITY OF CLAYTON

The following work is proposed for the open space under management by the City of Clayton. This proposal was designed and implemented by ENVIRONTECH and is identical in its design and method to that which was accepted for the Clayton open space areas since 1991. The scope of the work has been expanded, over the years, to include the original target species, as well as other invasive species. Contract to be fulfilled by ENVIRONTECH.

Artichoke thistle or Cardoon, Mustard, Star thistle, Milk thistle (whose population has had a dramatic increase), are the main species of noxious weed that exist on the Clayton open space. Management of the initial three species has resulted in a marked population reduction. The following proposal targets all the above noxious weeds through the use of an integrated pest management program the main objective of which is to eliminate and eventually exhaust the local seed source.

METHODOLOGY (Identical methods apply for both North and South areas)

Artichoke thistle, Milk thistle, and prickly clot burr will be treated with the best and safest modern herbicides to insure destruction of the parent plants before seeding occurs. The termination of parent plants will result in the elimination of the local seed source and a gradual reduction in the population.

Yellow Star thistle and Mustard will be chemically treated by spraying areas of infestation with herbicide where applicable. New herbicides have proven extremely effective on thistle and broadleaf weeds in very low concentrates. Herbicides will be applied with the use of specially equipped ATV's or pickup trucks, as well as with backpack sprayers.

Broad leaf specific pre-emergent will be used early in the season and in problem areas to head off an early bolt. Annuals will be sprayed at any time before seed for best effect.

Initial annual abatement for Artichoke, Milk thistle, Yellow Star thistle and Mustard is January 1st through June. Work will continue through that time period or until annual budget is exhausted and will include monthly monitoring. Clot Burr and other pioneer weeds will be treated as encountered as well as other infestations of pioneer noxious weeds.

PROPOSED HERBICIDES AND EQUIPMENT

The following is a list of the herbicides proposed for this project.

Telar – Broadleaf specific pre-emergent herbicide with no toxicity above high water marks. Can be used in early season for grass release and to prevent early bolt due to unseasonable weather .

EXHIBIT A

Garlon 3A – Broadleaf specific non volatile herbicide with rapid degradation. Safe for use up to edge of streams and bodies of water. Non toxic to grazing animals. Used on Mustard directly, and used in conjunction with other herbicides for use on thistles. Carries DANGER label for being an eye irritant but becomes CAUTION when diluted.

Renovate – Basically Garlon 3A with an aquatic label for use in drainages and riparian areas where other chemicals are legally prohibited.

Garlon 4 – Broadleaf specific but volatile. Used for quick knockdown when weather and temperature allow (typically early season). Ester formula of Garlon carries CAUTION label. Not to be used near water.

Milestone – Broadleaf specific virtually non toxic chemical that is specific to thistles. Some short term residual effects. Very effective and safe to use up to waterline. Carries CAUTION label.

ENVIRONTECH is equipped with three six wheel drive ATV's of heavy load capacity (over 600 lbs.) with 55 gallon tanks, 300 ft. of ¾ inch hose on reels with delivery of 10 gallons/minute at 280 PSI, along with boom sprayer attachment and automatic boom valves.

ENVIRONTECH also inventories two mobile spray rigs with 4 wheel drive, one of which carries 150 ft of 1 inch hose, 200 gallon capacity with delivery of 30 gallons/minute at 150 PSI.

QUALIFICATIONS

John Squadroni and ENVIRONTECH has been in the business of Native Habitat Restoration, Vegetation Management and Fire Hazard Reduction since 1990 and has been the contractor on this project for the City of Clayton and Wildland Resource Management since 1991. He has a Bachelors of Science degree in Forest Resource Management from the University of Washington and carries an active California QAL (#32335) in categories BCEF, DPR business license (#30038) and a valid California C-27 contractor's license (#691133), and has current IPM certifications. ENVIRONTECH has completed four weed abatement for restoration projects IN THE PAST YEAR including the City of Clayton open space (since 1991). References are attached.

ENVIRONTECH is fully insured with L/D and workers compensation when required.

EXHIBIT B

**FEE QUOTE
WEED ABATEMENT SERVICES
IN CITY OWNED OPEN SPACE PARCELS
IN THE OAKHURST COUNTRY CLUB DEVELOPMENT
FOR YEARS 2013 THROUGH 2015**

The following quote is submitted in response to all provisions of the City of Clayton request for Quote.

ANNUAL COSTS

A). Area North of Peacock Creek

1) Artichoke/Milk/Italian Thistles, and Clot Burr			
Labor			
Qualified Applicator	100 hours @ \$60.00/hour		\$ 6,000.00
Additional labor	50 hours @ \$40.00/hour		\$ 2,000.00
Materials			
Herbicides			\$ 2,000.00
Equipment			
Spray Rigs			\$ 500.00
Other			included
Subtotal			\$10,500.00
2) Mustard and Star Thistle			
Labor			
Qualified Applicator	200 hours @ \$60.00/hour		\$12,000.00
Additional labor	50 hours @ \$40.00/hour		\$ 2,000.00
Materials			
Herbicides			\$4,500.00
Equipment			
Spray Rigs			\$500.00
Other			included
Subtotal			\$19,000.00
Total Annual Cost for area North of Peacock Creek			\$29,500.00

EXHIBIT B

E). Area South of Peacock Creek

1) Artichoke/Milk/Italian Thistles, and Clot Burr		
Labor		
Qualified Applicator	100 hours @ \$60.00/hour	\$ 6,000.00
Additional labor	50 hours @ \$40.00/hour	\$ 2,000.00
Materials		
Herbicides		\$ 2,000.00
Equipment		
Spray Rigs		\$ 500.00
Other		included
Subtotal		\$10,500.00
2) Mustard and Star Thistle		
Labor		
Qualified Applicator	200 hours @ \$60.00/hour	\$12,000.00
Additional labor	50 hours @ \$40.00/hour	\$ 2,000.00
Materials		
Herbicides		\$4,500.00
Equipment		
Spray Rigs		\$500.00
Other		included
Subtotal		\$19,000.00
Total Annual Cost for area South of Peacock Creek		\$29,500.00
Total Annual Cost		\$59,000.00



**REQUEST FOR QUOTE
FOR
WEED ABATEMENT SERVICES
IN
CITY-OWNED OPEN SPACE PARCELS
IN THE
OAKHURST COUNTRY CLUB
DEVELOPMENT
FOR YEARS
2013 THROUGH 2015**

**February 5, 2013
Revised February 8, 2013**

**Prepared by
City of Clayton
Engineering Department
925/363-7433**

REQUEST FOR QUOTE
FOR
WEED ABATEMENT SERVICES
IN
CITY-OWNED OPEN SPACES PARCEL
IN THE
OAKHURST COUNTRY CLUB DEVELOPMENT
FOR YEARS
2013 THROUGH 2015

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**REQUEST FOR QUOTE
FOR
WEED ABATEMENT SERVICES
IN
CITY-OWNED OPEN SPACES PARCEL
IN THE
OAKHURST COUNTRY CLUB DEVELOPMENT
FOR YEARS
2013 THROUGH 2015**

Background

As part of the development of the Oakhurst Country Club in the 1990's, several large open space parcels were created and transferred to City ownership.

Most of the open space parcels were left undeveloped with the exception of some hiking and fire trails. As part of the management of the property, the City has, since 1992, undertaken an ongoing weed management program in order to control the growth and expansion of undesirable vegetation. The current contract for the weed management program expired on 12/31/12 and the City is seeking proposals for the continuation of the program for the next three calendar years (2013 through the end of 2015, with the option of three one-year extensions).

Areas of Work

There are two areas of work as shown on Attachments 1 and 2. The area labeled "North of Peacock Creek" is approximately 167 acres in size and is generally bounded by single family residences (Eagle Peak and Falcon Ridge subdivisions) on the north, the Oakhurst Golf Course on the west, the easterly City Limits on the east, and Peacock Creek on the south. The terrain for this area is generally very steep and there is only limited access for vehicles and equipment.

The second area, labeled "South of Peacock Creek", is approximately 230 acres in size and is generally bounded by single family residences (Peacock Creek Estates subdivision) on the north, Peacock Creek Drive and Clayton Road on the west, Diablo View Middle School and the Clayton Community Park on the south, and the easterly City Limits on the east. This area is primarily rolling hills and is generally accessible by vehicles and equipment.

Scope of Work

Artichoke Thistle, mustard, yellow star thistle, milk thistle and prickly clot burr are the main species of noxious weeds found to exist on the City's open space parcels. The primary objective of the City's ongoing weed management program has been to promote the growth of grasses and favorable herbaceous plants through the reduction of noxious weed seed sources.

The following described scope and schedule of work is generally based upon past practices. The contractor may propose alternative methods and schedules with the understanding that control and elimination of all noxious weed sources must be achieved during the entire term of the contract. The work will be overseen and inspected on behalf of the City by the City's Maintenance personnel. Should, in the sole opinion of the City, additional treatment, manpower, equipment or materials be

required to achieve the stated goal, such treatment, manpower, equipment or materials shall be provided by the contractor at no additional cost to the City of Clayton.

Artichoke Thistle Removal

Artichoke thistle, milk thistle, and prickly clot burr shall be spot treated to ensure destruction of the parent plants before seeding occurs. Continued spot application of herbicide shall continue throughout the contract term. The elimination of parent plants will result in the elimination of the local seed source and a gradual reduction in the thistle plant population.

Spot infestation of pioneering noxious weeds (e.g., Russian thistle) and milk thistle will be either mowed or cut out, or sprayed with an appropriate herbicide as encountered.

Yellow Star Thistle Removal

A tractor equipped with a flail or cutter bar shall be used in areas of concentration and where slopes allow wheeled vehicles. Where slopes preclude the use of wheeled tractors, a weed-eater with a brush blade shall be used to cut the plants. The use of herbicides may be allowed where applicable.

Schedule

Initial annual abatement for artichoke and milk thistle is February through mid-July. Twice monthly follow-ups shall occur between mid-July and January 31.

Clot burr shall be treated as encountered.

Yellow star thistle and mustard abatement shall begin approximately mid-summer (depending upon weather), just after flower emergence.

Spot infestation pioneering noxious weeds shall be treated as encountered.

Annuals shall be cut at the initial flowering stage. Since the cut will stimulate new growth, a second cut, as determined by Wildland Resource Management, may be required and shall be included in the quote submitted. Where mustard is targeted, cutting of the targeted area will be required annually. The use of selective herbicides to augment cutting may be permitted where concentrations are localized and access with cutting equipment difficult.

Equipment/Herbicides

The contractor shall provide equipment in order to securely and safely negotiate unimproved roads and terrain. This equipment shall minimize soil disturbance by covering as large an area as possible from single point, and to deliver large volumes of material to the site while minimizing drift from herbicide application:

The bidder must have full knowledge of herbicides to be used for greatest effect and minimum environmental impact.

1. Contractor must submit a herbicides proposal. Use of anything other than Garlon 3a, Renovate, or Garlon 4 in open areas away from forest and drainage will not be approved. These are the safest herbicides to use, typically have no effect on grasses and

a minimal effect on wild flowers and other native herbaceous plants. Most are approved for use right up to water line in riparian zones.

2. The bidder must have broad knowledge of noxious weeds, must identify and seek out noxious weeds, locate infestations and terminate invading species. Must also have broad knowledge of native species to minimize damage.
3. The bidder must be familiar with and willing to follow the City's IPM operating procedures and practices (see Attachment 1).
4. At a minimum, bidder shall have an active QAL license in DPR categories BCEF.
5. A current "Bay Friendly" certification.
6. Must carry and submit insurance certificates and proof of workman's comp.

Reporting Requirements

Immediately upon completion of a treatment cycle, the contractor shall report the pounds/volume of all pesticides and/or herbicides applied (reporting the amount of the active ingredient applied is a plus) as well as the IPM methods used prior to applying chemicals.

Licenses/Miscellaneous

Contractor shall submit, with his fee quote, copies of current State-issued pesticide applicator licenses, proof of his "Bay Friendly" certification, and proof of experience with references. The City retains the right to perform the desired work with its own forces and shall not be under any obligation to award a contract for this work.

The contractor, if any, awarded this contract shall be required to obtain and maintain a business license from the City of Clayton prior to receiving any payment. The cost of obtaining and maintaining a business license, or any other required license, shall be included in the fee quote and no additional compensation will be allowed therefor. In addition, Contractor will be required to pay prevailing wages to his employees and, if requested, provide certified payroll reports to the City.

Prior to execution of the contract by the City, Contractor shall provide certificates of insurance naming the City of Clayton as an additional insured, for his general liability, vehicle and workman's compensation insurance policies as required in the City's standard contract as shown in Attachment 4.

Site Visit

All bidders are encouraged to inspect the areas covered under the proposed scope of work. Submittal of a fee quote shall constitute evidence of the contractor's familiarity with the work sites and their condition, accessibility, etc. No additional compensation will be allowed for any unforeseen conditions or problems.

Fee Quote Submittal

The fee quote submittal shall describe the services and schedule for work in each area (i.e., North of Peacock Creek and South of Peacock Creek). The fee quote shall describe the equipment, manpower and materials to be used in each area along with estimates of the anticipated man-hours required.

The lump sum fees quoted shall be on annual basis for each of the three years proposed for the contract term.

Attachment 3 is a sample quote sheet intended to provide format guidance only.

The fee quote shall be submitted to Rick Angrisani, Clayton City Engineer, no later than 4:00 PM on Friday, February 22, 2013, at his office at 5375 Clayton Road, Concord, CA 94521. Any questions may be directed to Mr. Angrisani by phone at 925/363-7433 or e-mail at ricka@permcoengineering.com

ATTACHMENT 1

**CITY OF CLAYTON IMP
ADMINISTRATIVE POLICY**

City of Clayton - IPM Administrative Policy

It is the purpose and intent of this IPM Policy to ensure that the City of Clayton departments and all those who apply pesticides to property owned and/or managed by the City of Clayton utilize integrated pest management (IPM) practices and reduce pesticide applications on public-owned and/or City of Clayton managed property to the maximum extent feasible and as required by State and Regional Stormwater regulation.

The City of Clayton, in carrying out its pest management operations, shall focus on long term prevention or suppression of pest problems with minimum impact on human health, non-target organisms, and the environment.

The goal of the City of Clayton is to reduce its use of pesticide use and use to maximum extent possible non-toxic methods to control pests on City of Clayton property. The City of Clayton recognizes that pesticides are potentially hazardous to human health and the environment, and non-pesticide alternatives will be considered over toxic pesticides on City of Clayton property. The first level consideration will be the least toxic method that is both effective and feasible. The City of Clayton has a IPM Standard Operating Procedures and Practices that will outline all the IPM activities that will be implemented to ensure that less toxic methods, that are effective and feasible, are used to control pests on City of Clayton property.

These documents may be updated as needed from time to time.

City of Clayton Standard Operating Procedures & Practices Administrative Policy for Pesticide Use

The following are standard operating procedures for **the City of Clayton** for pesticide use in the IPM operational practices within the City's jurisdiction. These procedures include all Municipal Regional Permit (MRP) stormwater requirements under Provision C.9, Pesticides Toxicity Control. The City of Clayton and the Contra Costa Clean Water Program work in conjunction to track and participation in regulatory processes, interface with the County Agricultural Commissioner, and conduct public outreach. For guidelines regarding the City of Clayton IPM program please refer to Attachment B, the City of Clayton's IPM Policy. The staff person or IPM Coordinator responsible for implementing, overseeing, reviewing and updating, and reporting the IPM program is Mark Janney, Maintenance Supervisor and their number is **(925) 673-7327**; or email at mjanney@ci.clayton.ca.us.

IPM Standard Operating Procedures

General

The City uses very limited pesticides, it is currently limited to use at city buildings for ants and similar pests. The City Contracts with Western Exterminator for building pest management. Periodically the City Contracts with a Contra Costa County Department of Agriculture approved IPM contractor for management of ground squirrels in certain areas when damage is occurring. The City also contracts with an approved IPM contractor for management of non-native invasive plant species of Star Thistle and Artichoke Heart in the Oakhurst Open Space. This is an area of approx. 400 acres. The EIR mitigation measures for the Oakhurst Country Club development required management of these plants. Herbicide applications are targeted to these two plant species. Maintenance by City staff mostly involves limited use of herbicides – specifically spot spraying of weeds in landscape areas, and pre-emergent in the fall and spring to minimize weed growth in certain landscape areas. The maintenance staff also applies slow release fertilizer periodically on active use lawn areas such as the park and sports play fields. All applications are done according to the manufacturer's application specifications.

Pesticide Use

Pesticide use within the City of Clayton is determined by an assessment of each pest situation. Each assessment includes identification of the pest causing the damage (e.g., weed, insect, rodent, etc.), evaluation of prevention, exclusion and sanitation measures that will contribute to successful pest management, evaluation of both non-chemical and chemical options for eliminating or reducing pest numbers, and then developing an integrated management plan using as many management options as practical and economical. Pesticides are generally used

as a last resort and are chosen and applied in a manner that is least harmful to people and the environment. The pest problem should then be monitored to evaluate the success of the management strategy.

Particular scrutiny will be used to evaluate the necessity of using the pesticides of concern listed in the Permit under Section C.9: organophosphorous pesticides (chlorpyrifos, diazinon and malathion); pyrethroids (bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin, and tralomethrin).

Environmental impacts of the products are also considered. Pesticides of concern listed in C.9 of the MRP will go through a more rigorous process of review prior to considering their use. Each pesticide used is carefully monitored and recorded using a pesticide management database (see Attachment C).

Pesticide Applicators

All pesticide applicators and IPM providers have IPM training and certification as required by the MRP. All IPM contractors have IPM language in their contracts as required by the MRP. All IPM providers are required to follow these standard operating procedures. In addition, all IPM providers must be certified as "Bay Friendly".

IPM Training

All pesticide applicators will be trained annually in IPM. IPM training may include local, countywide, that included with PAPA licensing or regional efforts. All staff associated with planning, design, construction, and maintenance of buildings and landscaping shall receive an orientation to these standards operating procedures and their roles and responsibilities in implementing IPM within their work duties.

IPM Outreach

Pesticide application information will be provided to the public upon request. Public outreach for IPM includes point of purchase outreach and contractor outreach by the Bay Area Stormwater Management Agencies Association (BASMAA) as required by the MRP.

Reporting

A copy of the City of Clayton's IPM policy shall be included in the annual report. To the extent practicable and data is available, trends in quantities and types of pesticides used shall also be reported, as well as reasons for any increases. The annual report shall also include the percentage of City of Clayton employees who apply pesticides that have been trained in IPM. For any city hired contractor who applies pesticides, a copy of their contract specification; or certification; or other similar acceptable documentation shall also be included in the annual report. For regional regulatory, interface or outreach efforts, the City of Clayton may reference those regional reports.

ATTACHMENT 2

MAP

AREA NORTH OF PEACOCK CREEK



Google

© 2009



Image © 2009 Google Earth
37°55'00.00"N 121°51'00.00"W

Map data © 2008

ATTACHMENT 3

MAP

AREA SOUTH OF PEACOCK CREEK

Laura Hoffmeister

Subject:

FW: City of Clayton information needed

From: Environjon@aol.com [<mailto:Environjon@aol.com>]

Sent: Friday, September 12, 2014 9:53 AM

To: lhoffmeister@ci.clayton.ca.us

Subject: Re: Information for City of Clayton nonnative Oakhurst open space weed management

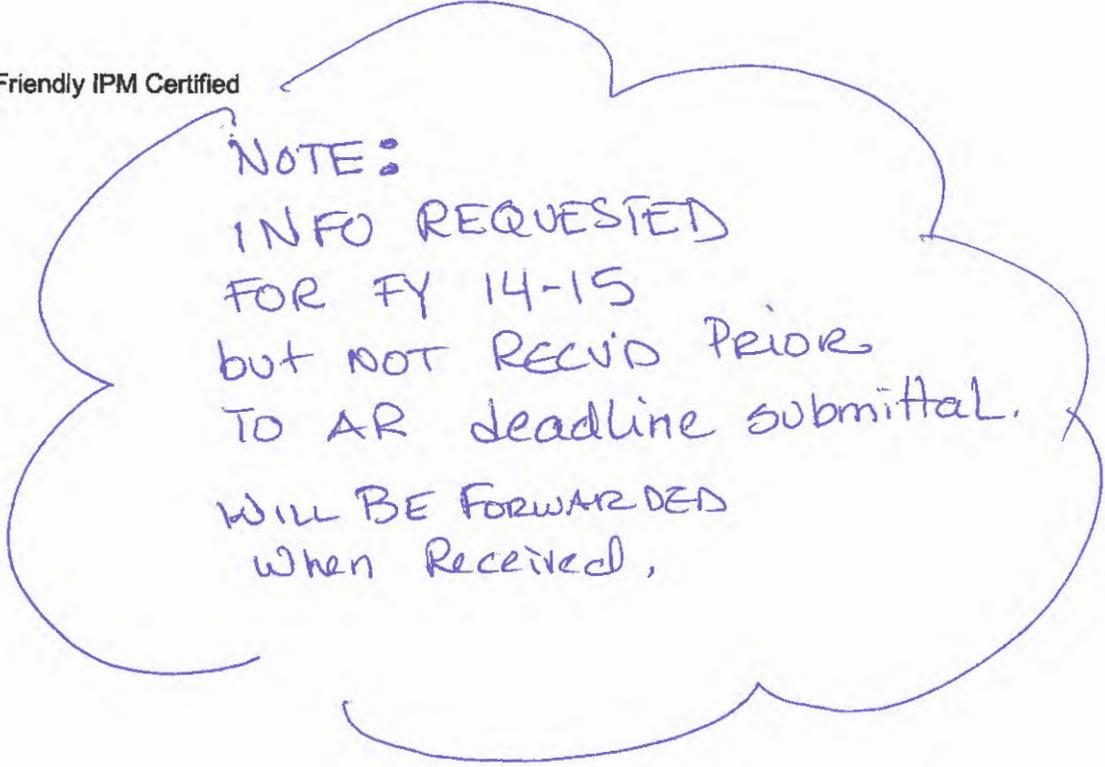
This is to notify the City of Clayton that Envirotech used from July 1, 2013 – June 30, 2014 the following quantities on selected areas within an apx. 125 acres for noxious weed non-native weed abatement of star thistle and artichoke heart pursuant to the contract with the City of Clayton and the oakhurst development mitigation measures related to non-native weed management in the City owned open space- [I also renewed by Bay Friendly certification early and have provided to you as well]

Garlon 3a 75 gallons

Transline 2.5 gallons

Milestone 2.5 gallons

John Squadroni
Envirotech – Bay Friendly IPM Certified



NOTE:
INFO REQUESTED
FOR FY 14-15
but NOT REC'D PRIOR
TO AR deadline submittal.
WILL BE FORWARDED
when received,

www.ecowisecertified.org



Integrated Pest Management

CERTIFICATE OF COMPLETION

Michael Swetnam

has successfully completed the requirements for

EcoWise Certified Practitioner

on

July 30, 2013

Certificate Expires on July 29, 2016

Certificate No. **C-142**
(verify at www.ecowisecertified.org)

Cell Scandone
Senior Regional Planner
Association of Bay Area Governments



Administered by
Association of Bay Area Governments
www.abag.ca.gov

William Quarles
Program Manager
EcoWise Certified



Family pride in excellence since 1921

(866) 237-2065

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REQUEST AN APPT.

MONEY SAVING OFFER

MR. LITTLE'S

CLASSROOM

THE HOT BUG



Any time. Any pest.

"The only thing we have to sell is service. So let's make it good."

It was a simple philosophy. But over 90 years later, it still works. Back in 1921, few people knew very much about pest control. But they knew about service and reliability. And they knew that's what they could count on with Western. People still know that today.

Our Yellow Trucks with the "Little Man" are ready to help, any time of the day or night — whatever you need. We know you have a business to run and don't need to manage your pest control program too. Our professional technicians have the training and expertise to perform the service right the first time. We understand that protecting your brand is your primary concern, and as your pest professional partner, that's our primary concern too. Whether you have a food handling establishment, warehouse, office building, hospital, airplane or cruise ship, no matter how big or small, our Western team is the one to trust!

IPM (Integrated Pest Management)

Integrated Pest Management (IPM) is an effective and environmentally-sensitive approach to pest management that relies on a combination of common-sense practices. Western's IPM programs use current, comprehensive information on the life cycles of pests and their interaction with the environment. In combination with available pest control methods, you are assured of the most effective pest control program with the least possible hazard to people, property and the environment. Prevention is always the first component, and only when required, necessary control measures are used.

Western Exterminator Company is dedicated to protecting your products, reputation and working environment through our Integrated Pest Management programs that ensure consistency, accountability, responsiveness and effectiveness to provide you the best in



pest management solutions. Our commitment to you: to minimize your concerns related to pests and the problems they cause.

Customized Solutions to Protect Your Brand:

- Complete commercial termite and pest control services, including termite inspections for real estate transactions
- Rodent control and exclusion
- Stored product pest control and elimination
- Bee control and removal
- Bird control without harming the birds
- Bed Bug specialists, including canine inspections
- Air curtain systems
- Commodity, trailer & rail car fumigations
- Flying insect control
- Drain services - no more drain files, drain odors & clogging
- Integrated food handling facility services - Western's program, supplemented by our on-staff entomologists and registered sanitarians, helps assure compliance with food safety regulations. We can provide complete inspections, assessments, vendor audits, third-party certifications and reports (AIB-American Institute of Baking, ASI-American Sanitation Institute, FDA- Food and Drug Administration, USDA-United States Department of Agriculture)
- Pest management solutions and account management for facilities throughout North America

More pest control. Less pesticide. Western has earned the top certifications in the industry.



Green Shield Certified is an award-winning, independent, non-profit certification program that promotes practitioners of effective, prevention-based pest control while minimizing the use of pesticides. Green Shield Certified gives you the confidence of an independent, third-party verification and requires that pest management companies adhere to a strict set of standards.



GreenPro is the world's largest and most credible green certification program for pest management professionals. The GreenPro certification means that your pest management provider must comply with a multitude of qualifications to ensure that you receive a safe and effective service each time they arrive at your door.

For more information about Western commercial services, contact our Commercial Services Team at 1-800-640-0694 or at littleman@west-ext.com



Commercial Services

Seasonal Tips

- Residential Services
- Commercial Services
- Buy, Sell, Rent
- Alarm Systems
- Termites
- Mice

1-800-WEST-EXT
1-800-627-8282

Customized Solutions



Have Pests Invaded Your Business?

We understand that your business can't afford a pest infestation. Our Yellow Trucks with the "Little Man" are ready to come to your aid, any time of the day or night---whatever you require. Since 1921, Western continues to provide peace of mind and our personal guarantee against pest infestation.

Our professionals will make a complete survey of your facilities and provide you with a report covering existing pest problems, plus any housekeeping and sanitation conditions along with our recommendations for corrections. We guarantee to offer you with the most efficient and cost effective solutions to insure your business is pest free, giving peace of mind to both you and your customers.

Customized Solutions To Fit Your Needs:

- Complete Commercial Termite and Pest Control Services, Including Termite Inspections for Real Estate Transactions
- Rodent Control and Exclusion
- Stored Product Pest Control and Elimination
- Bee Control and Removal
- Bird Control
- Integrated Pest Management (IPM)
- IPM Inspections and Reporting Per Industry and Government Standards (AIB-American Institute of Baking, ASI-American Sanitation Institute, FDA- Food and Drug Administration, USDA-United States Department of Agriculture)
- Air Curtain Systems
- Commodity, Trailer & Rail Car Fumigations
- Flying Insect Control
- Bioremediation Services -No More Drain Flies, Drain Odors & Clogging
- Integrated Food Handling Facility Services- Western's program, supplemented by our on by our on staff Entomologists and Sanitarians, helps assure compliance with food safety regulations. We can provide complete inspections, assessments, vendor audits, 3rd party certifications and reports.
- A National Copesan Pest Solutions Partner Serving the Entire United States

Rely on the West's Best to Solve Your Pest Problems

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Schedule an Appointment



Catch these great WEB SPECIALS before they catch you

Client: 130965
 CITY OF CLAYTON
 6000 HERITAGE TRL
 CLAYTON, CA 94517

Service Location: 970505590
 CITY OF CLAYTON
 6000 HERITAGE TRL - *City Hall Bldg*
 CLAYTON, CA 94517-1249

Customer Signature:


Technician Signature:


Licenses/Certifications
 CA - 18797
 CA - FR11051
 CA - SC 1000-085

Jessica

MIKE SWETNAM

Time In: 07/29/2015 01:24:41 PM **Terms:** INVOICE TO FOLLOW
Time Out: 07/29/2015 01:45:49 PM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
970505590C1R06048274	BLANKET NON-FD COMME	1	\$107.00	\$107.00
SubTotal:				\$107.00
Tax:				\$0.00
Total:				\$107.00
Amount Due:				\$107.00

Service Comments

Tech Comment: thank you for using western exterminator company

Material Summary

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
ECO VIA EC	Exempt n/a	Thyme Oil, Rosemary Oil, 2-Phenethyl Propionate 0.6	0.500 Gallons 1.000 Ounces	General	
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

Open Conditions

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Conditions Resolved This Visit

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Pest Summary

Pest Activity	Quantity
<i>None Noted.</i>	

Device Summary

Device Type	With Activity	Without Activity	Total Inspected	Device Exceptions Replaced	Removed	Skipped
<i>None Noted.</i>						

Additional pest findings may have been observed. Please see conditions and comments for more details.



3481 Arden Road
Hayward, Ca. 94545
(510) 569-8889 (925) 935-0599

Family Pride In Excellence Since 1921

Service Inspection Report Service Report #010528354C1R06048272

Client: 126004
CITY OF CLAYTON
6000 HERITAGE TRL
CLAYTON, CA 94517

Service Location: 10528354
CITY OF CLAYTON
6008 CENTER ST
CLAYTON, CA 94517-1302

- Endeavor Hall Bldg

Customer Signature:

Technician Signature:

MIKE SWETNAM

Licenses/Certifications

CA - 18797
CA - FR11051
CA - SC 1000-085

Time In: 07/29/2015 06:21:07 AM
Time Out: 07/29/2015 06:42:24 AM

Terms: INVOICE TO FOLLOW
PO #:

Order #	Service Description	Qty	Unit Cost	Amount
010528354C1R06048272	BLANKET NON-FD COMME	1	\$103.00	\$103.00
SubTotal:				\$103.00
Tax:				\$0.00
Total:				\$103.00
Amount Due:				\$103.00

Service Comments

Tech Comment: see account 970505590 for sig

Material Summary

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
ECO VIA EC	Exempt n/a	Thyme Oil, Rosemary Oil, 2-Phenethyl Propionate 0.6	0.500 Gallons 1.000 Ounces	General	
<i>Target Pests: Ants Areas Applied: Exterior</i>					

Open Conditions

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Conditions Resolved This Visit

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Pest Summary

Pest Activity	Quantity
<i>None Noted.</i>	

Device Summary

Device Type	With Activity	Without Activity	Total Inspected	Device Exceptions		
				Replaced	Removed	Skipped
<i>None Noted.</i>						

None Noted.

None Noted.

Additional pest findings may have been observed. Please see conditions and comments for more details.

Client: 133900
CITY OF CLAYTON
6000 HERITAGE TRL
CLAYTON, CA 94517

Service Location: 504119678
CITY OF CLAYTON
6125 CLAYTON RD - Library Bldg
CLAYTON, CA 94517-1241

Customer Signature:

Technician Signature:



MIKE SWETNAM

Licenses/Certifications

CA - 18797
CA - FR11051
CA - SC 1000-085

Time In: 07/29/2015 06:44:14 AM **Terms:** INVOICE TO FOLLOW
Time Out: 07/29/2015 07:09:24 AM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
504119678C1R06048273	BLANKET NON-FD COMME	1	\$111.50	\$111.50
SubTotal:				\$111.50
Tax:				\$0.00
Total:				\$111.50
Amount Due:				\$111.50

Service Comments

Tech Comment: see account 970505590 for sig

Material Summary

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
ECO VIA EC	Exempt	Thyme Oil, Rosemary Oil, 2-Phenethyl Propionate	1.000 Gallons		
	n/a	0.6	2.000 Ounces	General	
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

Open Conditions

Area	Severity	Created
	Responsibility	Last Inspected
Exterior	High	09/23/14
Condition to much plant growth all around build	Client	07/29/15
Action plants and bushes need trimmed back off of building all around g		
Comments: 07/29/15 03180: deficiency still exists		

Conditions Resolved This Visit

Area	Severity	Created
	Responsibility	Last Inspected
<i>None Noted.</i>		

Pest Summary

Pest Activity	Quantity	Device Summary	With Activity	Without Activity	Total Inspected	Device Exceptions
		Device Type	Replaced	Removed	Skipped	
<i>None Noted.</i>						
<i>None Noted.</i>						

Additional pest findings may have been observed. Please see conditions and comments for more details.



3481 Arden Road
Hayward, Ca. 94545
(510) 569-8889 (925) 935-0599

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Service Inspection Report

Service Report #960300036C1R06048275

Client: 126272
CITY OF CLAYTON
6000 HERITAGE TRL
CLAYTON, CA 94517

Service Location: 960300036
CITY OF CLAYTON
7411 MARSH CREEK RD
CLAYTON, CA 94517

*Community
Park Restroom Bldg*

Customer Signature:

Technician Signature:

MIKE SWETNAM

Licenses/Certifications

CA - 18797
CA - FR11051
CA - SC 1000-085

Time In: 07/29/2015 07:45:01 AM **Terms:** INVOICE TO FOLLOW
Time Out: 07/29/2015 07:58:46 AM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
960300036C1R06048275	BLANKET NON-FD COMME	1	\$48.50	\$48.50
SubTotal:				\$48.50
Tax:				\$0.00
Total:				\$48.50
Amount Due:				\$48.50

Service Comments

Tech Comment: see account 970505590 for sig

Material Summary

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
ECO VIA EC	Exempt	Thyme Oil, Rosemary Oil, 2-Phenethyl Propionate	0.300 Gallons		
	n/a	0.6	0.600 Ounces	General	
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

Open Conditions

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Conditions Resolved This Visit

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Pest Summary

Pest Activity Quantity

None Noted.

Device Summary

Device Type

None Noted.

With Activity	Without Activity	Total Inspected	Device Exceptions		
Replaced	Removed	Skipped			
<i>None Noted.</i>					

Additional pest findings may have been observed. Please see conditions and comments for more details.



3481 Arden Road
 Hayward, Ca. 94545
 (510) 569-8889 (925) 935-0599

Family Pride In Excellence Since 1921

Service Inspection Report Service Report #970505590C1R04941452

Client: 130965
 CITY OF CLAYTON
 6000 HERITAGE TRL
 CLAYTON, CA 94517

Service Location: 970505590
 CITY OF CLAYTON
 6000 HERITAGE TRL - City Hall Bldg
 CLAYTON, CA 94517-1249

Customer Signature:

Jessica

Technician Signature:

MIKE SWETNAM

Licenses/Certifications

CA - 18797
 CA - FR1051
 CA - SC 1000-085

Time In: 10/28/2014 12:43:55 PM **Term:** INVOICE TO FOLLOW
Time Out: 10/28/2014 01:07:08 PM **P/O #:**

Order #	Service Description	Qty	Unit Cost	Amount
970505590C1R04941452	BLANKET NON-FD COMME	1	\$107.00	\$107.00
SubTotal:				\$107.00
Tax:				\$0.00
Total:				\$107.00
Amount Due:			\$107.00	

Service Comments

Tech Comment: thank you for using western exterminator company

Material Summary	EPA #	Active Ingredient	Finished Quantity	Application Equipment	Application Area
Material Applied	Lot #	AI Concentration	Undiluted Qty	Application Method	Weather
Essentria G	n/a	Eugenol, Thyme Oil	16.000 Ounces	Broadcast	
	n/a	3.5	16.000 Ounces		
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

Open Conditions

Area	Severity	Created
	Responsibility	Last Inspected
<i>None Noted.</i>		

Conditions Resolved This Visit

Area	Severity	Created
	Responsibility	Last Inspected
<i>None Noted.</i>		

Pest Summary

Pest Activity	Quantity
<i>None Noted.</i>	

Device Summary

Device Type	With Activity	Without Activity	Total Inspected	Device Exceptions
	Replaced	Removed	Skipped	
<i>None Noted.</i>				

Additional pest findings may have been observed. Please see conditions and comments for more details.



3481 Arden Road
Hayward, Ca. 94545
(510) 569-8889 (925) 935-0599

Family Pride In Excellence Since 1921

Service Inspection Report Service Report #010528354C1R04941450

Client: 126004
CITY OF CLAYTON
6000 HERITAGE TRL
CLAYTON, CA 94517

Service Location: 10528354
CITY OF CLAYTON
6008 CENTER ST - *Endeavor Hall Bldg*
CLAYTON, CA 94517-1302

Customer Signature:

Technician Signature:

MIKE SWETNAM

Licenses/Certifications

CA - 18797
CA - FR11051
CA - SC 1000-085

Time In: 10/28/2014 06:00:45 AM **Terms:** INVOICE TO FOLLOW
Time Out: 10/28/2014 06:26:44 AM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
010528354C1R04941450	BLANKET NON-FD COMME	1	\$103.00	\$103.00
SubTotal:				\$103.00
Tax:				\$0.00
Total:				\$103.00
Amount Due:				\$103.00

Service Comments

Tech Comment: see account 970505590 for slg

Material Summary	EPA #	Active Ingredient	Finished Quantity	Application Equipment	Application Area
Material Applied	Lot #	AI Concentration	Undiluted Qty	Application Method	Weather
Essentria G	n/a	Eugenol, Thyme Oil	16.000 Ounces	Broadcast	
	n/a	3.5	16.000 Ounces		
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

Open Conditions

Area	Severity	Created
	Responsibility	Last Inspected
<i>None Noted.</i>		

Conditions Resolved This Visit

Area	Severity	Created
	Responsibility	Last Inspected
<i>None Noted.</i>		

Pest Summary

Pest Activity	Quantity	Device Summary	With Activity	Without Activity	Total Inspected	Device Exceptions		
		Device Type				Replaced	Removed	Skipped
<i>None Noted.</i>								

Additional pest findings may have been observed. Please see conditions and comments for more details.



3481 Arden Road
Hayward, Ca. 94545
(510) 569-8889 (925) 935-0599

Family Pride in Excellence Since 1921

Service Inspection Report Service Report #504119678C1R04941451

Client: 133900
CITY OF CLAYTON
6000 HERITAGE TRL
CLAYTON, CA 94517

Service Location: 504119678
CITY OF CLAYTON
6125 CLAYTON RD - Library Bldg
CLAYTON, CA 94517-1241

Customer Signature:

Technician Signature:

MIKE SWETNAM

Licenses/Certifications

CA - 18797
CA - FR11051
CA - SC 1000-085

Time In: 10/28/2014 06:28:11 AM **Terms:** INVOICE TO FOLLOW
Time Out: 10/28/2014 06:57:48 AM **PG #:**

Order #	Service Description	Qty	Unit Cost	Amount
504119678C1R04941451	BLANKET NON-FD COMME	1	\$111.50	\$111.50
SubTotal:				\$111.50
Tax:				\$0.00
Total:				\$111.50
Amount Due:			\$111.50	

Service Comments

Tech Comment: see account 970505590 for slg

Material Summary

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
Essentria G	n/a n/a	Eugenol, Thyme Oil 3.5	48.000 Ounces 48.000 Ounces	Broadcast	
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

Open Conditions

Area	Severity Responsibility	Created Last Inspected
Exterior	Low Client	09/23/14 10/28/14
Condition to much plant growth all around build		
Action plants and bushes need trimmed back off of building all around g		
Comments: 10/28/14 03180: deficiency still exists		

Conditions Resolved This Visit

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Pest Summary

Pest Activity	Quantity	Device Summary Device Type	With Activity	Without Activity	Total Inspected	Device Exceptions Replaced	Removed	Skipped
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None Noted.

None Noted.

Additional pest findings may have been observed. Please see conditions and comments for more details.



3481 Arden Road
Hayward, Ca. 94545
(510) 569-8889 (925) 935-0599

Service Inspection Report Service Report #960300036C1R04941453

Client: 126272
CITY OF CLAYTON
6000 HERITAGE TRL
CLAYTON, CA 94517

Service Location: 960300036
CITY OF CLAYTON
7411 MARSH CREEK RD
CLAYTON, CA 94517

Community
Park Restroom Bldg

Customer Signature:

Technician Signature:

MIKE SWETNAM

Licenses/Certifications

CA - 18797
CA - FR11051
CA - SC 1000-085

Time In: 10/28/2014 07:32:44 AM **Terms:** INVOICE TO FOLLOW
Time Out: 10/28/2014 07:57:51 AM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
960300036C1R04941453	BLANKET NON-FD COMME	1	\$48.50	\$48.50
				SubTotal: \$48.50
				Tax: \$0.00
				Total: \$48.50
			Amount Due:	\$48.50

Service Comments

Tech Comment: see account 970505590 for sig

Material Summary

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
ECOPCO WP X	67425-25-AA-655 n/a	2-Phenethyl Propionate 0.031	0.400 Gallons 0.200 Ounces	General	
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

Open Conditions

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Conditions Resolved This Visit

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Pest Summary

Pest Activity	Quantity	Device Summary Device Type	With Activity	Without Activity	Total Inspected	Device Exceptions Replaced	Removed	Skipped
<i>None Noted.</i>								

Additional pest findings may have been observed. Please see conditions and comments for more details.



3481 Arden Road
Hayward, Ca. 94545
(510) 569-8889 (925) 935-0599

Service Inspection Report Service Report #970505590C1R04439692

Client: 130965
CITY OF CLAYTON
6000 HERITAGE TRL
CLAYTON, CA 94517

Service Location: 970505590
CITY OF CLAYTON
6000 HERITAGE TRL - City Hall Bldg
CLAYTON, CA 94517-1249

Customer Signature:

Technician Signature:

Licenses/Certifications

CA - 18797
CA - FR11051
CA - SC 1000-085

Janit

MIKE SWETNAM

Time In: 05/27/2014 12:33:33 PM **Time:** INVOICE TO FOLLOW
Time Out: 05/27/2014 12:52:44 PM **PO #:**

Order #	Service Description	Qty	Unit Cost	Amount
970505590C1R04439692	BLANKET NON-FD COMME	1	\$102.00	\$102.00
SubTotal:				\$102.00
Tax:				\$0.00
Total:				\$102.00
Amount Due:			\$102.00	

Service Comments

Tech Comment: thank you for using western exterminator company

Material Summary

Material Applied	EPA # Lot #	Active Ingredient AI Concentration	Finished Quantity Undiluted Qty	Application Equipment Application Method	Application Area Weather
Termidor SC	7969-210 n/a	Fipronil 0.06	0.500 Gallons 0.400 Ounces	General	
<i>Target Pests: Ants</i>					
<i>Areas Applied: Exterior</i>					

Open Conditions

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Conditions Resolved This Visit

Area	Severity Responsibility	Created Last Inspected
<i>None Noted.</i>		

Pest Summary

Pest Activity Quantity

None Noted.

Device Summary

Device Type With Activity Without Activity Total Inspected Device Exceptions
Replaced Removed Skipped

None Noted.

Additional pest findings may have been observed. Please see conditions and comments for more details.

Material Applications by Location

ALL LOCATIONS

JUL 01, 2014 TO JUN 30, 2015

Materials: All

City Hall Bldg



Family Pride In Excellence Since 1921
Western Exterminator Company

CITY OF CLAYTON, 6000 HERITAGE TRL, CLAYTON, CA 94517-1249

EPA#	Material	Conc.	UOM	Quantity	Device	App. Equip.	App. Method	Target Pest	Date	Technician
Area: Exterior										
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	7/29/2014 1:49:12 PM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	8/26/2014 12:41:06 PM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	9/23/2014 1:34:11 PM	M. Swetnam
Exempt	Essentria G	3.5000	Ounces	16.0000			Broadcast	Ants	10/28/2014 12:56:45 PM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	11/25/2014 12:49:00 PM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	12/23/2014 10:03:30 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	1/20/2015 1:40:19 PM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	2/24/2015 1:17:56 PM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	3/24/2015 11:52:43 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	4/28/2015 1:35:44 PM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	5/26/2015 2:00:05 PM	M. Swetnam
Exempt	ECO VIA EC	42.0000	Gallons	0.5000			General	Ants	6/23/2015 11:25:00 AM	M. Swetnam
AREA SUMMARY										
Exempt	ECO VIA EC		Gallons	0.5000						
67425-25	ECOPCO WP X		Gallons	5.0000						
Exempt	Essentria G		Ounces	16.0000						
LOCATION SUMMARY										
Exempt	ECO VIA EC		Gallons	0.5000						
67425-25	ECOPCO WP X		Gallons	5.0000						
Exempt	Essentria G		Ounces	16.0000						

Material Applications by Location

ALL LOCATIONS

JUL 01, 2014 TO JUN 30, 2015

Materials: All



Family Pride In Excellence Since 1921

Western Exterminator Company

Endeavor Hall Bldg

CITY OF CLAYTON, 6008 CENTER ST, CLAYTON, CA 94517-1302

EPA#	Material	Conc.	UOM	Quantity	Device	App. Equip.	App. Method	Target Pest	Date	Technician
Area: Exterior										
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	7/29/2014 8:39:40 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	8/26/2014 6:22:26 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	9/23/2014 6:28:48 AM	M. Swetnam
Exempt	Essentria G	3.5000	Ounces	16.0000			Broadcast	Ants	10/28/2014 6:26:19 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	11/26/2014 8:33:48 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	12/23/2014 8:26:52 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	1/20/2015 7:19:49 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	2/24/2015 6:40:16 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	3/24/2015 7:29:24 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	4/28/2015 7:17:56 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.5000			General	Ants	5/26/2015 6:39:32 AM	M. Swetnam
Exempt	ECO VIA EC	42.0000	Gallons	0.5000			General	Ants	6/23/2015 6:42:04 AM	M. Swetnam
AREA SUMMARY										
Exempt	ECO VIA EC		Gallons	0.5000						
67425-25	ECOPCO WP X		Gallons	5.0000						
Exempt	Essentria G		Ounces	16.0000						
LOCATION SUMMARY										
Exempt	ECO VIA EC		Gallons	0.5000						
67425-25	ECOPCO WP X		Gallons	5.0000						
Exempt	Essentria G		Ounces	16.0000						

Material Applications by Location

ALL LOCATIONS

JUL 01, 2014 TO JUN 30, 2015

Materials: All

Library Bldg



Family Pride In Excellence Since 1921
Western Exterminator Company

CITY OF CLAYTON, 6125 CLAYTON RD, CLAYTON, CA 94517-1241

EPA#	Material	Conc.	UOM	Quantity	Device	App. Equip.	App. Method	Target Pest	Date	Technician
Area: Exterior										
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	7/29/2014 7:05:40 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	8/26/2014 6:59:22 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	8/23/2014 6:53:43 AM	M. Swetnam
Exempt	Essentria G	3.5000	Ounces	48.0000			Broadcast	Ants	10/28/2014 6:49:01 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	11/25/2014 6:49:56 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	12/23/2014 9:01:45 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	1/20/2015 8:04:42 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	2/24/2015 7:30:07 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	3/24/2016 7:54:29 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	4/28/2015 7:48:31 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	1.0000			General	Ants	5/26/2015 7:04:25 AM	M. Swetnam
Exempt	ECO VIA EC	42.0000	Gallons	1.0000			General	Ants	6/23/2015 7:01:28 AM	M. Swetnam
AREA SUMMARY										
Exempt	ECO VIA EC		Gallons	1.0000						
67425-25	ECOPCO WP X		Gallons	10.0000						
Exempt	Essentria G		Ounces	48.0000						
LOCATION SUMMARY										
Exempt	ECO VIA EC		Gallons	1.0000						
67425-25	ECOPCO WP X		Gallons	10.0000						
Exempt	Essentria G		Ounces	48.0000						

Material Applications by Location

ALL LOCATIONS

JUL 01, 2014 TO JUN 30, 2015

Materials: All



Family Pride in Excellence Since 1921
Western Exterminator Company

*Community Park
Restroom Bldg*

CITY OF CLAYTON, 7411 MARSH CREEK RD, CLAYTON, CA 94517

EPA#	Material	Conc.	UOM	Quantity	Device	App. Equip.	App. Method	Target Pest	Date	Technician
Area: Exterior										
67425-25	ECOPCO WP X	8.5000	Gallons	0.4000			General	Ants	7/29/2014 8:00:09 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.3000			General	Ants	8/26/2014 7:48:36 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.4000			General	Ants	9/23/2014 7:48:38 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.4000			General	Ants	10/28/2014 7:57:33 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.4000			General	Ants	11/25/2014 7:58:06 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.3000			General	Ants	12/23/2014 9:32:14 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.3000			General	Ants	1/20/2015 8:27:41 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.3000			General	Ants	2/24/2015 8:21:44 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.3000			General	Ants	3/24/2015 8:40:39 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.3000			General	Ants	4/28/2015 8:18:47 AM	M. Swetnam
67425-25	ECOPCO WP X	8.5000	Gallons	0.3000			General	Ants	5/26/2015 8:04:04 AM	M. Swetnam
Exempt	ECO VIA EC	42.0000	Gallons	0.3000			General	Ants	6/23/2015 7:48:21 AM	M. Swetnam
AREA SUMMARY										
Exempt	ECO VIA EC		Gallons	0.3000						
67425-25	ECOPCO WP X		Gallons	3.7000						
LOCATION SUMMARY										
Exempt	ECO VIA EC		Gallons	0.3000						
67425-25	ECOPCO WP X		Gallons	3.7000						

No spraying from CCMVPD occurred in Clayton during FY 14-15 the District did respond to standing water complaints in neglected backyard pools and provided mosquito fish to address the potential threat of mosquito breeding

Contra Costa Mosquito and Vector Control Website

INTEGRATED VECTOR MANAGEMENT 2014-2015

Integrated Vector Management (IVM) is an ecosystem-based strategy, which focuses on long-term prevention of pests or their damage through a combination of techniques such as public education, biological control, physical control (habitat manipulation), vegetation management, microbial control, vector surveillance, and chemical control. Pesticides are used only after monitoring indicates they are needed according to established guidelines, and treatments are made with the goal of removing only the target organism. Pest control methods are selected and applied in a manner that minimizes risks to human health, beneficial and non-target organisms and the environment.

All pesticides used by the District have been tested and approved by the Federal and State Environmental Protection Agencies for use in public health mosquito control programs and are applied by trained and licensed technicians as part of an integrated vector management (IVM) program. Our program is in full compliance with all applicable Federal and State regulations including the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), the Clean Water Act (CWA), the California Environmental Quality Act (CEQA) and the California Health and Safety Code. The use of source reduction, biological control and biorational pesticides minimizes impact on the environment while protecting the public from mosquito-borne disease and nuisance problems.

The US Environmental Protection Agency website has detailed information on [pesticides used in mosquito control](#).

Pesticides currently used by Contra Costa Mosquito & Vector Control District are as follows:

Mosquitoes - Larvicides

Monomolecular Film

[Agnique \(Liquid\)](#)
[Agnique \(Granules\)](#)

Methoprene

[Altosid Briquets](#)
[Altosid Granules](#)
[Altosid Pellets](#)
[Altosid Pellets WSP](#)
[Altosid Liquid \(Duplex\)](#)
[MetaLarv S-PT](#)

Larvicidal Oils

[BVA Larvicidal Oil](#)

Bacterial Insecticides

Vectobac 12 AS
Vectobac Granules
FourStar Briquet
180d
VectoMax CG
Vectolex FG
Vectolex WDG

Spinosad

Natular G
Natular G30
Natular XRG
Natular 2EC

Mosquitoes - Adulticides

Natural Pyrethrins

Pyrenone 25-5
Pyrocide 7396
Pyrocide 7067

Synthetic Pyrethroids

Scourge

Synergists

Piperonyl Butoxide

Other Insecticides

Drione
Delta Dust
EcoPCO DX
Essentria D

Rodenticides

Contrac
Ditrac
Terrad3

Area To Be Adulticided: None at this time.

[CLICK HERE](#) for information regarding Current Virus Activity in Contra Costa County.

Adult Mosquito Spraying FAQ

Q. What will trigger spraying?

A. If West Nile virus is detected in the community or there are high numbers of mosquitoes in an area, the District's initial response will be to intensify its efforts to reduce mosquito breeding sites and increase its levels of larviciding in those areas in which West Nile virus has been found. Reducing the adult mosquito population with pesticides (adulticides) registered by the US Environmental Protection Agency (EPA) will be done if necessary to prevent human illness or to suppress a heavy infestation of mosquitoes. The decision to spray, either by truck mounted sprayers or by aircraft, will be based on surveillance information or the documentation of West Nile virus activity at a level that indicates a threat to human health. Spraying will be concentrated in areas most at risk for disease occurrence and will be conducted by certified and licensed applicators. The District's aggressive campaign against mosquito larvae is intended to minimize the need to use adulticides.

Q. What pesticides will you use?

A. When necessary, our District may use ground and aerial application of pesticides to kill mosquitoes that pose a health risk to the residents of Contra Costa County. In the case of adulticiding, or targeting adult mosquitoes, we would use botanical insecticides (plant derived compounds) or synthetic versions of, that include pyrethrins and synthetic pyrethroids, as well as piperonyl butoxide. In an emergency situation, we may use malathion or sumithrin. All of the products we use are registered with the Environmental Protection Agency and applied according to label directions by our trained and certified technicians. [Click here for more information on pesticides used in adult mosquito control.](#)

Q. What risks are there to the residents of Contra Costa County?

A. The risks to the public and to the environment are very low. Mosquito adulticides are applied as ultra-low volume (ULV) sprays. ULV applications involve small quantities of active ingredient in relation to the size of the area treated, typically less than 2 ounces per acre, which minimizes exposure and risk to people and the environment.

Q. Where will the spraying take place?

A. The spraying will take place in areas of concern, as determined by our mosquito and disease surveillance programs. Our trained and certified technicians use a variety of surveillance techniques and treatment criteria to ensure effective mosquito control with the least amount of risk to our residents and our environment.

Q. What are the risks to the environment?

A. The risks to the public and to the environment are very low. Mosquito adulticides are applied as ultra-low volume (ULV) sprays. ULV applications involve small quantities of active ingredient in relation to the size of the area treated, typically less than 2 ounces per acre, which minimizes exposure and risk to people and the environment.

Q. Are the insecticides exclusive to West Nile?

A. No. The pesticides we use target a variety of mosquitoes than can transmit West Nile virus as well as other diseases.

- * Spray Notifications
- * Online Newsletters
- * News and Media Releases

Sign Up

Free email notifications. Opt in and out at *any time*.

Q. Should I Take Steps to Reduce Exposure to Pesticides During Mosquito Control Spraying?

A. Generally, there is no need to relocate during mosquito control spraying. The pesticides have been evaluated for this use and found to pose minimal risks to human health and the environment when used according to label directions. All of the products we use are registered with the Environmental Protection Agency for controlling mosquitoes and protecting the public.

Although mosquito control pesticides pose very low risks, some people may prefer to avoid or even further minimize exposure. People who suffer from chemical sensitivities or feel spraying may aggravate a preexisting health condition may:

- Consult their physician or local health department and take special measures to avoid exposure.
- Close windows and turn off window-unit air conditioners when spraying is taking place in the immediate area.

Q. How Can I Learn About Spraying Events?

- [Sign up for our adult mosquito fogging notification service](#) or visit this website for announcements about spraying. Pay attention to the local media for announcements about spraying and remain indoors during applications in the immediate area.

MOSQUITO REDUCTION

Best Management Practices

Implementation Policies



CONTRA COSTA
**MOSQUITO
& VECTOR
CONTROL**
DISTRICT

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MOSQUITO REDUCTION BEST MANAGEMENT PRACTICES

Implementation Policies

The Contra Costa Mosquito and Vector Control District (District) recognizes that certain land management practices can reduce mosquito populations thereby reducing long-term mosquito treatment costs, reducing the amount of pesticides used in mosquito control operations, helping to protect public health, and contributing to the District's Integrated Vector Management (IVM) approach to mosquito and vector control.

Integrated Vector Management is an approach that focuses on site-specific, scientifically sound decisions to manage pest populations by matching a wide variety of techniques with the conditions found on site. These techniques are commonly grouped into four categories:

1. Source reduction or physical control – environmental manipulation that results in a reduction of mosquito development sites
2. Biological Control – use of biological agents to limit larval mosquito populations
3. Chemical Control – larvicides (materials that kill immature larval mosquitoes) and adulticides (materials that kill adult mosquitoes)
4. Cultural Control – change the behavior of people so that their actions prevent the development of mosquitoes or the transmission of vector – borne disease.

Through the adoption of these policies and procedures, the District would like to enhance clarity of its efforts to effectively control mosquitoes by physical, cultural, and biological means. To this end, the District has included in this document guidelines for land-management practices that provide

landowners and land managers an opportunity to address any land-based mosquito problems as they may be identified from time to time by the District.

The Mosquito Reduction Best Management Practices (BMPs) referred to in this document are the recommended land management practices that can, in certain situations, provide a reduction in mosquito populations by a variety of means including: reducing or eliminating breeding areas, increasing the efficacy of biological controls, increasing the efficacy of chemical controls, and improving access for control operations. These BMPs have been circulated among representatives of stakeholder groups including landowners, land managers, regulatory agencies, and other interest groups. As a result of the comments and suggestions received from this process, the District believes it has a good understanding of practical and appropriate BMPs for a variety of land uses that exist in Contra Costa County. Not all BMPs included in this document will apply equally to all mosquito sources; however the BMPs listed serve as a starting point in the cooperative development of site-specific BMP implementation plans that will address particular mosquito sources.

The District intends to encourage those responsible for significant mosquito sources on their property to develop and implement a Mosquito Reduction BMP plan in cooperation with the District to avoid the need for formal enforcement actions authorized under the California Health and Safety Code (HSC)*. While in some situations, the District must employ the California Health and Safety Code in order to ensure safe conditions and to carry out its

*Under the California Health and Safety Code, mosquito and vector control districts may legally abate a public nuisance defined as "Any water that is a breeding place for vectors" and "Any activity that supports the development, attraction, or harborage of vectors, or that facilitates the introduction or spread of vectors." (HSC §2002(j)). Abatement can result in civil penalties of up to \$1000.00 per day (HSC §2085(a), §2061).

public responsibilities; it has been the District's experience that a cooperative approach provides more effective and long-lasting mosquito management.

The Mosquito Reduction BMP Implementation Policies are designed to address mosquito breeding sources including, but not limited to: managed wetlands, irrigated pastures, duck clubs, agricultural ditches, stormwater structures, wastewater facilities, residential properties, and cemeteries. Many of these sources produce significant mosquitoes due to management practices that promote breeding habitat or harborage areas for mosquitoes.

While it is generally accepted that mosquito production from all sources may be reduced through the widespread implementation of Mosquito Reduction BMPs, these policies specifically target the most severe mosquito problems with the greatest likelihood of responding through the use of BMPs. These sources are defined as Significant Mosquito Sources, and will be addressed according to the following policies and procedures. For those properties with mosquito sources that do not fit the definition of Significant Mosquito Source, the BMPs offer an opportunity to proactively address mosquito problems to prevent them from becoming significant.

In cases where the implementation of Mosquito Reduction BMPs would cause economic hardship or cause technical difficulties, the District may choose to offer assistance in the form of equipment, labor, technical advice, or other resources. The level of assistance offered will be determined on a case by case basis.

Significant Mosquito Sources

Significant Mosquito Sources will be identified based on any of the following criteria:

- Mosquito production from the significant source is more than comparable land uses, and exceeds treatment thresholds.

- Treatment costs incurred by the District are increased due to problems caused by management practices.
- The significant source is in close proximity to areas of significant population density.
- BMPs exist to address the land management practices and can be reasonably utilized to reduce mosquito production.

If left untreated, a Significant Mosquito Source would be considered a public nuisance as defined in the California Health and Safety Code (HSC) §2002(j).

A combination of larval dip data and adult mosquito surveillance data will be used to determine the pre and post BMP implementation mosquito abundance for a particular property or mosquito source. In cases where existing data or current sampling methods are not sufficient to detect the efficacy of a particular BMP, a specific monitoring plan will be established to meet the needs of the particular property or mosquito source.

Management practices that would contribute to increased mosquito production include but are not limited to: poor water management, lack of emergent vegetation control, lack of effective refugia to maintain biological control populations (e.g. borrow pits), poor condition of water conveyance or drainage structures, practices that impede access to the source, and lack of notification of practices that would effect mosquito control operations.

Other factors such as treatment costs, proximity to population centers, vector-borne disease status, mosquito species produced, and the efficacy of available treatment options will be considered when evaluating a Significant Mosquito Source as defined above. Those sources that are determined to have the highest potential for mosquito reduction from the implementation of BMPs and

are adjacent to population centers of reasonably high density will be selected for inclusion into the BMP compliance program.

BMP Implementation Plan

Once the District has identified a Significant Mosquito source, it will present a draft BMP Implementation Plan to the responsible party, in consultation with state and federal biologists if appropriate, proposing a course of action based on one or more BMPs that if implemented can reduce or eliminate the mosquito breeding sources.

This draft BMP Implementation Plan will contain at least the following:

- Justification for requested actions
- Description of the proposed BMPs including specific guidance regarding method and timing of implementation.
- Available District resource available to assist with BMP Implementation
- Assessment method

The responsible party will have the opportunity to review and comment on the draft plan. Reasonable adjustments may be negotiated between the responsible party and the District to achieve a mutually agreeable plan. A reasonable time limit will be set at the beginning of the negotiation phase at which time the District will finalize any unresolved issues at its discretion. This time limit may be extended if all parties agree that there is reasonable cause to do so.

If the responsible party is unwilling to accept the terms of this cooperative process, the District may be forced to pursue an enforcement process including abatement.

Charges for Treatment Costs

The District is authorized by the HSC to recover treatment costs for mosquito control operations. Since most treated properties in the District pay for a base level of mosquito control through the payment of Property Taxes, the District would consider charging for treatment cost that are above and beyond the normal level of treatment required by a similar mosquito source with a similar land use. Since one of the goals of the BMP Policies is to reduce pesticide use in the District, the District would only consider accepting charges for additional treatment in lieu of BMPs on a case-by-case basis for a limited period of time. As new BMPs are developed and efficacy of existing BMPs is studied further, the expectation would be that the charge for treatment portions of the Cooperative Agreements would be replaced by non-pesticide based long-term mosquito management plans.

Appeal Process

The responsible party may submit comments in writing to the Board of Trustees of the District before the implementation deadline indicated on the Draft BMP Implementation Plan presented to the responsible party in Step #2 on Figure 1. After review, the Board will issue a determination which may include no change in the content of the Draft BMP Implementation Plan, an extension of the implementation deadline, a waiver of fees, or other appropriate action.

If the responsible party is a state agency, appeals may be made to the State Department of Health Services pursuant to the California Health and Safety Code.

BMP IMPLEMENTATION PROCESS FOR SIGNIFICANT MOSQUITO SOURCES

The following items are a generally chronological progression of the Mosquito Reduction BMP Compliance Program actions after a Significant Mosquito Source is identified.

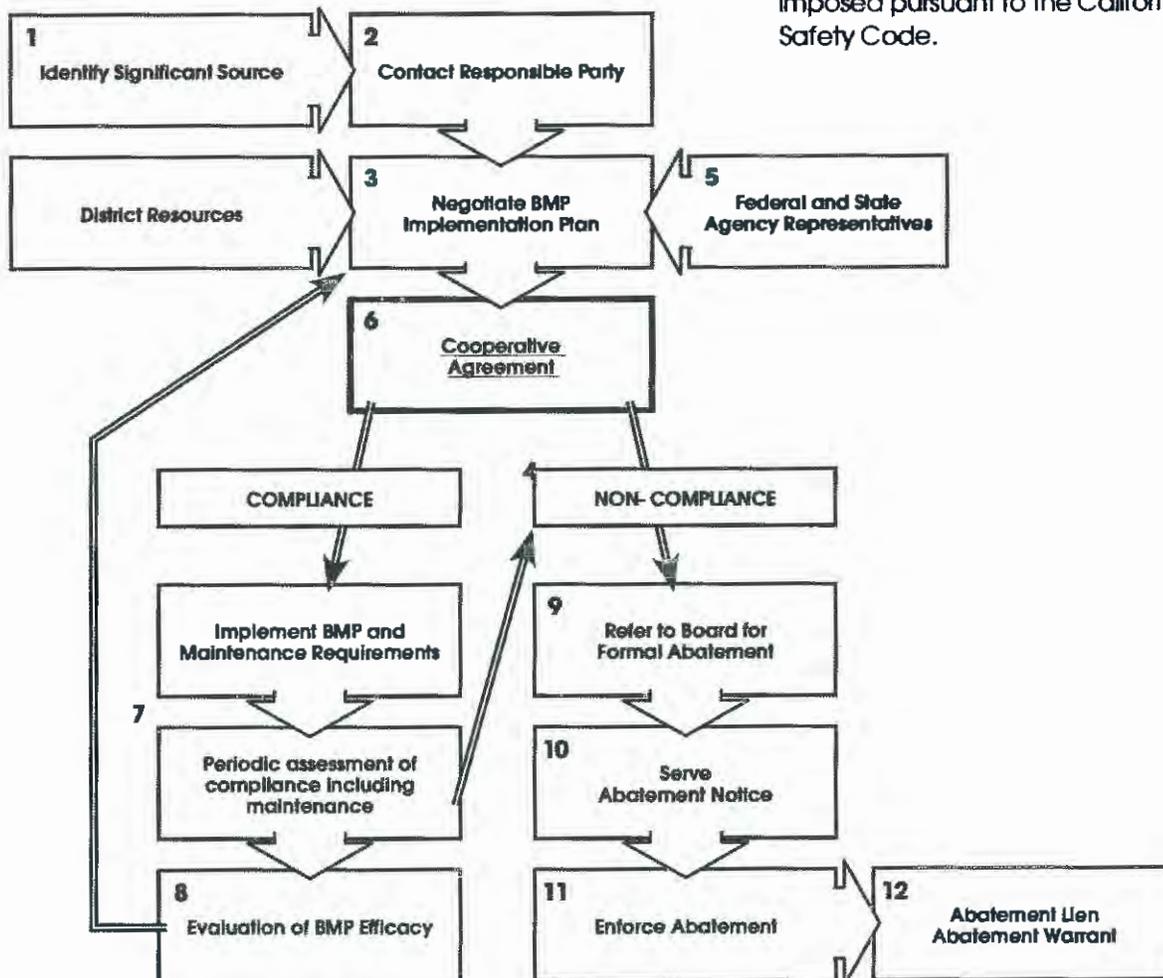
NOTE: The numbered items correspond to the numbers on Figure 1 (Page 5).

1. **Identify a Significant Mosquito Source** – The District’s staff will identify Significant Mosquito Sources based on the previously defined criteria.
2. **Contact Responsible Party** – The District’s staff will contact the responsible party (as defined in HSC §2060) of properties in the District that have been identified as significant mosquito sources, that if untreated would become a public nuisance (under HSC §2060). Staff will also contact state and federal agencies that have an underlying interest in the property, including a conservation easement, habitat management plan, or other habitat maintenance agreement. A draft BMP Implementation Plan which will include an explanation of why the site was determined to be a significant mosquito source, including mosquito surveillance data if requested, will be provided to the responsible parties.
3. **Negotiate BMP Implementation Plan** – District staff will work with the responsible party to try to achieve a mutually agreeable course of action to address the mosquito source including specific BMPs, implementation timeline, maintenance requirements, and monitoring plan. A defined negotiation period will be designated at the start of the negotiations.
4. **Additional Resources** – At the discretion of the District, resources may be made available to assist in complying with the BMP requirements. In the case where District resources are used, specific maintenance requirements may be included in the Cooperative Agreement Document and will be signed by the responsible party and the District. This Agreement will contain the name of the responsible party, location of the property, description of the work to be done, the cost of the work, if any, to be paid by the responsible party, and requirements for maintenance to be performed by the responsible party. In some cases, such as maintaining access to dairy sumps by regular mowing, the District will use a Vegetation Control Agreement to establish a long-term contract with each dairy operator. This agreement shall be subject to the same requirements as any other agreement covered by these policies.
5. **Coordinate with other regulatory agencies** – Other local, state, federal, and conservation agencies will be brought into the negotiation process to avoid or address any potential regulatory conflicts with the draft BMP Implementation Plan.
6. **Cooperative Agreement** – The cooperative agreement will formalize the relationship between the District and the responsible party holding both to the terms agreed upon in the BMP Implementation Plan. This document will also outline the consequences of non-compliance with the BMP Implementation Plan under the California Health and Safety Code.
7. **Implementation and Monitoring** – After successful implementation of the requirements, regular inspections of the property will be conducted to assess the responsible party’s continued maintenance and compliance with the BMPs. The District reserves the right to re-negotiate the BMP Implementation Plan if it is discovered that adequate mosquito control is not being achieved. In this case, the process would return to Step 2. As long as the responsible party is in compliance with the terms of the Cooperative Agreement, no additional charges or penalties will be assessed by the District.

- 8. **Evaluation of BMP Efficacy** – An effective mosquito management plan requires regular assessment and adaptive management to address changing conditions or unforeseen effects. The District will evaluate each BMP Implementation plan to determine if the BMPs are meeting the needs of both the responsible party and the District. Based on this evaluation, either party may initiate a review of the BMP implementation plan pursuant to the terms of the Cooperative Agreement.
- 9. **Abatement Process** – If the responsible party does not take corrective action or does not provide a reasonable explanation for the continued lack of compliance with the Cooperative agreement, the case may be brought to the District Board of Trustees to begin the Formal Abatement process as defined in HSC §2061.

- 10. **Serve Abatement Notice** – Under the direction of the District Board of Trustees, the responsible party will be served an abatement notice directing them to comply with the Cooperative Agreement within the specified timeframe. Civil penalties of up to \$1000 per day will be imposed for non-compliance pursuant to §2061 and §2063 of the California Health and Safety Code
- 11. **Enforce Abatement** – Under the direction of the District Board of Trustees, civil penalties and treatment costs not paid within 60 days will be collected "at the same time and in the same manner as ordinary county taxes...and shall be subject to the same procedure and sale in case of delinquency as are provided for ordinary county taxes." HSC §2065(b).
- 12. **Additional Abatement Actions** – Under the direction of the District Board of Trustees, and/or manager, other measures such as an abatement warrant or abatement lien may be imposed pursuant to the California Health and Safety Code.

Figure 1: BMP Compliance Program Flowchart



BASIC MOSQUITO BIOLOGY

There are over 50 different species of mosquito in California. Fortunately, only a handful are of significant concern in our area. It is important to realize that each species of mosquito has different habitat requirements and behaviors that affect its ability to transmit disease, bite humans, and be controlled by a specific BMP.

All mosquitoes share a similar life cycle with an aquatic stage (larvae) and an aerial stage (adult). Nearly all mosquito reduction best management practices (BMPs) focus on managing the aquatic stage of the mosquito by creating the conditions less favorable for mosquito development. This usually involves manipulating the amount or timing of standing water, decreasing the amount of vegetation in and around the standing water, and creating a situation where natural or introduced predators can consume the mosquito larvae. Since each species of mosquito has slightly different habitat requirements, it is important to understand which mosquitoes favor which habitats to realize how a particular BMP is designed to work.

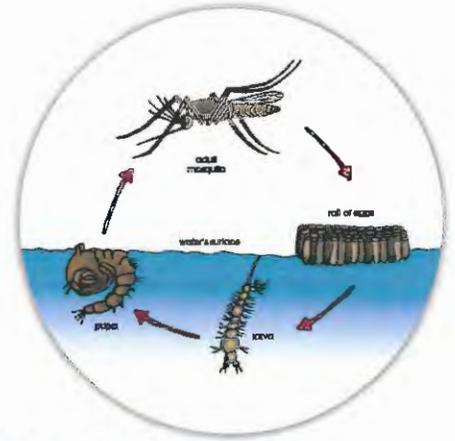
To understand BMPs it is useful to think of mosquitoes as belonging to one of the following three categories. Examples of common species within each category follow.

1. STANDING-WATER MOSQUITOES

prefer still water commonly found in ponds, unmaintained swimming pools, rice fields, puddles, etc.

Common Mosquito Reduction BMPs:

- a. Drain standing water.
- b. Reduce or eliminate emergent vegetation in and along the edges of the water.
- c. Hold water level constant to encourage natural predators or biological control agents (e.g. mosquitofish).
- d. Contact the District to coordinate mosquito prevention with other mosquito control operations such as chemical and biological control.



2. FLOODWATER MOSQUITOES commonly lay their eggs in moist soil. When they become submerged as in a seasonal wetland or irrigated pasture, the eggs hatch.

Common Mosquito Reduction BMPs:

- a. Flood when air temperatures do not encourage rapid mosquito development (e.g. late fall rather than summer).
- b. Reduce or eliminate emergent vegetation by disking or mowing.
- c. Flood quickly to encourage all eggs to hatch at once and minimize the need for multiple larvicide applications.
- d. Contact the District to coordinate mosquito prevention with other mosquito control operations such as chemical and biological control.

3. CONTAINER MOSQUITOES prefer contained areas of water such as tree holes, buckets, tires, etc. Some standing water mosquitoes will also develop in containers such as the House Mosquito (*Culex pipiens*).

Common Mosquito Reduction BMPs:

- a. Drain containers of standing water.
- b. Cover, overturn, or create drainage holes that prevent standing water in the container.
- c. Identify and prevent sprinklers or other water from refilling containers.
- d. Contact the District to coordinate mosquito prevention with other mosquito control operations such as chemical and biological control.

STANDING–WATER MOSQUITOES

ENCEPHALITIS MOSQUITO (*Culex tarsalis*)

The Encephalitis Mosquito can transmit encephalitis viruses to humans. It has been known to transmit West Nile virus, Western Equine Encephalomyelitis virus and St. Louis encephalitis virus. The Encephalitis Mosquito can be found throughout Contra Costa county. Immature mosquitoes develop in wetlands, duck clubs, channels, artificial containers and swimming pools. The adult mosquito prefers to feed on birds and mammals. It is most active during summer and fall.



ENCEPHALITIS MOSQUITO
(*Culex tarsalis*)
Photo by James Gathany, CDC

NORTHERN HOUSE MOSQUITO (*Culex pipiens*)

The Northern House Mosquito has been known to transmit West Nile virus and St. Louis encephalitis virus. It is common throughout Contra Costa county. Immature mosquitoes often develop in foul water sources such as dairy lagoons, storm drains, unmaintained swimming pools, cemetery vases and other containers. It prefers to feed on birds but will readily feed on humans. This mosquito is most active during the summer and fall.



NORTHERN HOUSE MOSQUITO
(*Culex pipiens*)
Photo by M.J. Higgins

WESTERN MALARIA MOSQUITO (*Anopheles freeborni*)

Anopheles freeborni can transmit the malaria parasite to humans. It is common in rice growing regions of California. Immature stages develop in rice fields, wetlands, duck clubs and rain pools. While malaria does not normally occur in California anymore, this mosquito allows the potential for local outbreaks of malaria if a person gets infected elsewhere, and then is bitten by a local *Anopheles* mosquito.



WESTERN MALARIA MOSQUITO
(*Anopheles freeborni*)
Photo by James Gathany, CDC

FLOODWATER MOSQUITOES

WETLANDS MOSQUITO (*Aedes melanimon*)

Aedes melanimon is involved in the encephalitis transmission cycle and is a severe outdoor pest. It is common in Contra Costa county. This mosquito develops in wetlands, duck clubs and irrigated pastures. It prefers to feed on mammals. It is most active during the fall and spring.



WETLANDS MOSQUITO
(*Aedes melanimon*)

INLAND FLOODWATER MOSQUITO (*Aedes vexans*)

This mosquito is a secondary vector for dog heartworm and is a severe outdoor pest. It is common in irrigated pastures and in woodland water course pools. They feed primarily on mammals. This mosquito is most active in early spring through late fall. They typically blood feed at dawn and dusk, but may also be active during the day.



INLAND FLOODWATER MOSQUITO
(*Aedes vexans*)

CONTAINER MOSQUITOES

WESTERN TREEHOLE MOSQUITO (*Aedes sierrensis*)

This mosquito can transmit the dog heartworm parasite (*Dirofilaria immitis*), and is a severe outdoor pest. The western treehole mosquito is common in oak woodlands. Immature stages develop in tree rot holes. Female adults feed primarily on mammals, and are most active during late winter through early spring.



WESTERN TREEHOLE MOSQUITO
(*Aedes sierrensis*)

ASIAN TIGER Mosquito (*Aedes albopictus*)

This species of mosquito has not established in California yet, but is an aggressive exotic species that has invaded the eastern and southern US. Over the past 10 years there have been several cases where this mosquito was found in cargo containers in port areas in Los Angeles and San Francisco. This container breeding species is a potential vector for various vector-borne diseases such as Rift Valley Fever, Chikungunya Virus, Dengue Fever, and Yellow Fever. Should *Aedes albopictus* become established in California, the need for effective mosquito control practices will be even more important to protect public health.



ASIAN TIGER MOSQUITO
(*Aedes albopictus*)

AGRICULTURAL IRRIGATION AND DRAINAGE

Potential mosquito sources associate with agricultural irrigation and drainage include: blocked or overgrown ditches, low areas in fields, over-irrigation resulting in surface runoff, seepage, and irrigated pastures. Properly implemented and maintained best management practices for mosquito reduction can prevent excessive mosquito populations from being produced from agricultural operations.

The District acknowledges that cultural practices vary among growers, locations, and conventional or organic production methods. The Best Management Practices for Mosquito Reduction below try to balance the economic and agronomic requirements of the growers and land owners with the need for effective mosquito control. The District is committed to working with growers to implement mosquito control practices that coordinate with agricultural practices and minimize the impact on the economics or yields of the crop.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

General Principles

1. Prevent or eliminate unnecessary standing water that stands for more than 72 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Minimize emergent vegetation and surface debris on the water.
4. Contact the District for technical guidance or assistance in implementing mosquito reduction BMPs.

Specific Mosquito Reduction BMPs

Ditches and Drains

1. Construct or improve ditches with at least 2:1 slopes and a minimum 4 foot bottom. Consider a 3:1 slope or greater to discourage burrowing animal damage, potential seepage problems, and prevent unwanted vegetation growth. Other designs may be approved by the MVCD based on special circumstances.
2. Keep ditches clean and well-maintained. Periodically remove accumulated sediment and vegetation. Maintain ditch grade to prevent areas of standing water.
3. Design irrigation systems to use water efficiently and drain completely to avoid standing water.

Irrigated Pastures

1. Grade field to achieve efficient use of irrigation water. Use NRCS guidelines for irrigated pastures. Initial laser leveling and periodic maintenance to repair damaged areas are needed to maintain efficient water flow (Lanzaro and Lawler, 2005).
2. Irrigate only as frequently as is needed to maintain proper soil moisture. Check soil moisture regularly until you know how your pasture behaves (Lanzaro and Lawler, 2005).
3. Do not over fertilize. Excess fertilizers can leach into irrigation tail water, making mosquito production more likely in ditches or further downstream (Lanzaro and Lawler, 2005).
4. Apply only enough water to wet the soil to the depth of rooting (Lanzaro and Lawler, 2005).

5. Drain excess water from the pasture within 24 hours following each irrigation. This prevents scalding and reduces the number of weeds in the pasture. Good check slopes are needed to achieve drainage. A drainage ditch may be used to remove water from the lower end of the field (Lanzaro and Lawler, 2005).
6. Inspect fields for drainage and broken checks to see whether re-leveling or reconstruction of levees is needed. Small low areas that hold water can be filled and replanted by hand. Broken checks create cross-leakage that provide habitat for mosquitoes (Lanzaro and Lawler, 2005).
7. Keep animals off the pasture while the soil is soft. An ideal mosquito habitat is created in irrigated pastures when water collects in hoof prints of livestock that were run on wet fields or left in the field during irrigation. Keeping animals off wet fields until soils stiffen also protects the roots of the forage crop and prevents soil compaction that interferes with plant growth (Lanzaro and Lawler, 2005).
8. Break up pastures into a number of smaller fields so that the animals can be rotated from one field to another. This allows fields to dry between irrigations and provides a sufficient growth period between grazings. It also prevents hoof damage (pugging), increases production from irrigated pastures, and helps improve water penetration into the soil by promoting a better root system (Lanzaro and Lawler, 2005).

DAIRIES

Potential mosquito sources in dairies include: wastewater lagoons, washing areas, drain ditches, sumps, watering troughs, and irrigated pastures and crops. Properly implemented and maintained best management practices for mosquito reduction can prevent excessive mosquito populations from being produced from agricultural operations.

The Contra Costa Mosquito and Vector Control District (District) acknowledges that dairy practices vary; however, these practices need to take into account mosquito and vector control issues. The Best Management Practices for Mosquito Reduction below offer options to balance the requirements of the dairy operators with the need for effective mosquito control. The District is committed to working with dairy operators to implement mosquito control practices that are effective and have the least possible impact on the economics and operation of the dairy.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

General Principles

1. Prevent or eliminate unnecessary standing water that stands for more than 72 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Minimize emergent vegetation and surface debris on the water.
4. Contact the District for technical guidance or assistance in implementing mosquito reduction BMPs.

Specific Mosquito Reduction BMPs

1. Wastewater holding ponds should not exceed 150' in width.
2. All holding ponds should be surrounded by lanes of adequate width to allow safe passage of vector control equipment. This includes keeping the lanes clear of any materials or equipment (e.g. trees, calf pens, hay stacks, silage, tires, equipment, etc.).
3. If fencing is used around the holding ponds, it should be placed on the outside of the lanes with gates provided for vehicle access.
4. All interior banks of the holding ponds should have a grade of at least 2:1.
5. An effective solids separation system should be utilized such as a mechanical separator or two or more solids separator ponds. If ponds are used, they should not exceed sixty feet in surface width.

6. Drainage lines should never by-pass the separator ponds, except those that provide for normal corral run-off and do not contain solids. All drain inlets must be sufficiently graded to prevent solids accumulation.
7. Floating debris should be eliminated on all ponds; mechanical agitators may be used to break up crusts.
8. Vegetation should be controlled regularly to prevent emergent vegetation and barriers to access. This includes access lanes, interior pond embankments and any weed growth that might become established within the pond surface.
9. Dairy wastewater discharged for irrigation purposes should be managed so that it does not stand for more than three days.
10. All structures and water management practices should meet current California Regional Water Quality Control Board requirements (Creedon, 2006).
11. Tire sidewalls or other objects that will not hold water should be used to hold down tarps (e.g. on silage piles). Whole tires or other water-holding objects should be replaced.

RICE FIELDS

The nature of rice culture creates an environment that may produce significant numbers of mosquitoes. It is our goal to work cooperatively with growers and land owners to provide the level of mosquito control necessary to help protect public health, reduce vector and nuisance mosquito levels, minimize the need for chemical control, and utilize public funds in the most efficient manner.

Properly implemented and maintained best management practices for mosquito reduction can prevent excessive mosquito populations from being produced from rice fields. Contra Costa Mosquito and Vector Control District (District) acknowledges that cultural practices vary among growers, locations, and conventional or organic production methods. The Best Management Practices for Mosquito Reduction below try to balance the economic and agronomic requirements of the growers and land owners with the need for effective mosquito control. The District is committed to continue working with growers, the California Rice Commission and other groups to develop and implement mosquito control practices that coordinate with standard rice production practices, and minimize the impact on the economics or yields of the crop.

The need for close cooperation is important with all rice growers, but is especially important with growers who produce organic rice. At this time, there is only one available mosquito larvicide for organic rice which leaves biological control (mosquito fish), physical control (weed control) and cultural control (water management) as the only remaining mosquito management tools. Because proper timing and planning is essential for an effective IPM program, the District asks organic rice growers for an added level of commitment to addressing mosquito control issues in a cooperative manner.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

General Principles for all Rice

1. Wherever feasible, maintain stable water level during mosquito season by ensuring constant flow of water into pond or rice field to reduce water fluctuation due to evaporation, transpiration, outflow, and seepage (Lanzaro and Lawler, 2005).
2. Inspect and repair levees to minimize seepage (Lanzaro and Lawler, 2005; Lawler, 2005).
3. Drain & eliminate borrow pits and seepage areas external to the fields (Lanzaro and Lawler, 2005; Lawler, 2005).
4. Wherever feasible, maintain at least 4" – 6" of water in the rice field after rice seedlings have begun to stand upright. Planned drainages should be coordinated with the District. If an unplanned drainage is necessary, notify the District as soon as possible to coordinate restocking of mosquito fish or to use alternative mosquito control measures
5. Wherever feasible, maintain vegetation on the outer-most portions of field levees and checks, specifically where they interface with standing water (Lanzaro and Lawler, 2005; Lawler, 2005).
6. Control algae and weed growth as effectively as possible (Lawler, 2005).

7. Communicate frequently with your county mosquito control officials regarding your crop management activities. For example: Draw-down of water levels, except drainage for harvest; Any drainage of fields to fallow fields; Initiation of post-harvest flooding for straw management or habitat objectives.
8. Design fields with sufficient borrow pits along each internal levee to promote efficient drainage, and provide refuge for mosquito fish during low water.

Specific Mosquito Reduction BMPs

Conventional Rice Production

9. Notify MVCD prior to any pyrethroid insecticide applications to rice fields stocked with mosquito fish. The pyrethroid insecticides that can be applied to rice fields include lambda cyhalothrin (Warrior[®] Insecticide, Karate[®] Insecticide) or s-cypermethrin (Mustang[®] Insecticide) (Lanzaro and Lawler, 2005; Lawler, 2005).

Organic Rice Production

10. Wherever feasible, maintain borrow pits (12"– 18" deep) on both sides of each check throughout rice fields to provide refuge for mosquito fish during low water periods.

STORMWATER STRUCTURES

Properly implemented and maintained best management practices for mosquito reduction will prevent excessive mosquito populations from being produced from your property and facilities. If your facility has been identified as a significant mosquito source we will work with you to design a course of action based on the following best management practices that will reduce or eliminate the mosquito breeding problem.

It is the goal of the Contra Costa Mosquito and Vector Control District (District) to work cooperatively with those responsible for the design, maintenance and management of stormwater and wastewater systems to achieve the level of mosquito control necessary to protect public health, minimize the need for chemical control, and utilize public funds in the most efficient manner. There may be cases where the mosquito control objectives conflict with the objectives of the managing agency or landowner. In these cases, we will try to develop a workable compromise that balances both parties' needs.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

General Principles

1. Prevent or eliminate unnecessary standing water that stands for more than 72 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Minimize emergent vegetation or surface debris in the water.
4. Contact the District for technical guidance or assistance in implementing mosquito reduction BMPs.

Specific Mosquito Reduction BMPs

Above Ground Structures

1. Build shoreline perimeters as steep and uniform as practicable to discourage dense plant growth (Metzger, 2004).
2. Whenever possible, maintain stormwater ponds and wetlands at depths in excess of 4 feet (1.2 m) to limit the spread of invasive emergent vegetation such as cattails (*Typha* spp.) (Kwasny et. al., 2004; Metzger, 2004).
3. Eliminate floating vegetation conducive to mosquito production (e.g., water hyacinth *Eichhornia* spp., duckweed *Lemna* and *Spirodela* spp., and filamentous algal mats) (Metzger, 2004).
4. Perform routine maintenance to reduce emergent plant densities to facilitate the ability of mosquito predators (i.e., fish) to move throughout vegetated areas (Metzger, 2004).
5. Make shorelines accessible to maintenance and vector control crews for periodic maintenance, control, and removal of emergent vegetation, as well as for routine mosquito monitoring and abatement procedures, if necessary (Metzger, 2004).
6. Design and obtain necessary approvals for all stormwater ponds and wetlands to allow for complete draining when needed (Metzger, 2004).
7. The effective swath width of most backpack or truck-mounted larvicide sprayers is approximately 20 feet (6 m) on a windless day. Because of these equipment limitations, all-weather road access (with provisions for turning a full-size work vehicle) should be provided along at least one side of large above-ground structures that are less than 25 feet (7.5 m) wide (Metzger, 2004).

8. Access roads should be built as close to the shoreline as possible. Vegetation or other obstacles should not be permitted between the access road and the stormwater treatment device that might obstruct the path of larvicides to the water (Metzger, 2004).
 9. Vegetation should be controlled (by removal, thinning, or mowing) periodically to prevent barriers to access (Metzger, 2004).
 10. Design structures so they do not hold standing water for more than 72 hours. Special attention to groundwater depth is essential (Metzger, 2004).
 11. Use the hydraulic grade line of the site to select a treatment BMP that allows water to flow by gravity through the structure. Pumps are not recommended because they are subject to failure and often require sumps that hold water (Metzger, 2004).
 12. Avoid the use of loose riprap or concrete depressions that may hold standing water (Metzger, 2004).
 13. Avoid barriers, diversions, or flow spreaders that may retain standing water (Metzger, 2004).
 14. Use concrete or liners in shallow areas to discourage unwanted plant growth where vegetation is not necessary (Metzger, 2004).
 15. Where feasible, compartmentalize managed treatment wetlands so that the maximum width of ponds does not exceed two times the effective distance (40 feet (12 m)) of land-based application technologies for mosquito control agents (Walton, 2003).
 16. Incorporate features that prevent or reduce the possibility of clogged discharge orifices (e.g., debris screens). The use of weep holes is not recommended due to rapid clogging (Metzger, 2004).
 17. Design distribution piping and containment basins with adequate slopes to drain fully and prevent standing water. The design slope should take into consideration buildup of sediment between maintenance periods. Compaction during grading may also be needed to avoid slumping and settling (Metzger, 2004).
 18. Catch Basins, drop inlets, storm drains, and other structures originally designed to not hold water should be regularly checked and maintained to function as designed.
 19. Basins designed to be dry but remain wet should be corrected by retrofit, replacement, repair, or more frequent maintenance.
 20. Coordinate cleaning of catch basins, drop inlets, or storm drains with mosquito treatment operations.
 21. Enforce the prompt removal of silt screens installed during construction when no longer needed to protect water quality.
- Underground Structures (Sumps, vaults, drop inlets, catch basins)**
22. Completely seal structures that retain water permanently or longer than 72 hours to prevent entry of adult mosquitoes (Metzger, 2004).
 23. Stormwater structures utilizing covers should be tight fitting with maximum allowable gaps or 1/16 inch (2 mm) holes or to exclude entry of adult mosquitoes (Metzger, 2004).
 24. If the sump, vault, or basin is sealed against mosquitoes, with the exception of the inlet and outlet, submerge the inlet and outlet completely to reduce the available surface area of water for mosquito egg-laying (female mosquitoes can fly through pipes) (Metzger, 2004).
 25. Design structures with the appropriate pumping, piping, valves, or other necessary equipment to allow for easy dewatering of the unit if necessary (Metzger, 2004).

MANAGED WETLANDS

Properly implemented and maintained best management practices for mosquito reduction will prevent excessive mosquito populations from being produced from managed wetlands. If any part of the property or facilities has been identified as a Significant Mosquito Source, the District will work with you to design a course of action based on the following Mosquito Reduction BMPs that will reduce or eliminate the mosquito source.

The Contra Costa Mosquito and Vector Control District (District) acknowledges that management practices vary depending on the habitat, water quality, recreational, economic, and other management goals, and may be subject to additional regulations including state and federal conservation easements and management plans. The Best Management Practices for Mosquito Reduction attempt to balance the management goals of land managers, land owners, and other regulatory agencies with the need for effective mosquito control. The District is committed to working with wetland managers and state and federal agencies, to implement mosquito control practices in a cooperative manner.

PLEASE NOTE: This document provides general guidance, not site specific requirements. BMPs that are most applicable and relevant to a specific mosquito source may be selected from the list below, and incorporated into the specific BMP Implementation Plan for a specific Significant Mosquito Source.

General Principles

1. Prevent or eliminate unnecessary standing water (e.g. seepage areas, leaks, poor water management) that stands for more than 72 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Minimize emergent vegetation and surface debris on the water.
4. Contact the District for technical guidance, assistance in implementing mosquito reduction BMPs, or to coordinate flood-ups with mosquito control operations.

Specific Mosquito Reduction BMPs Design and Maintenance

1. Maintain all open ditches by regularly removing trash, silt, and vegetation to maintain efficient water delivery and drainage (Kwasny et. al., 2004).
2. Provide reasonable access on existing roads and levees to allow mosquito abatement technician access for monitoring, abatement, and implementation of BMPs. Make shorelines of natural, agricultural, and constructed water bodies accessible to maintenance and vector control crews for periodic maintenance, control, and removal of emergent vegetation, as well as for routine mosquito monitoring and abatement procedures (Kwasny et. al., 2004).
3. Inspect, repair, and clean water control structures of debris. Remove silt and vegetation build-up in front of structures that impedes drainage or water flow. Completely close, board or mud-up controls to prevent unnecessary water flow, except where water circulation is necessary (Kwasny et. al., 2004).
4. Perform regular pump efficiency testing and make any necessary repairs to maximize output (Kwasny et. al., 2004).
5. Construct, improve, or maintain ditches with 2:1 slopes and a minimum 4 foot bottom. Consider a 3:1 slope or greater to discourage burrowing animal damage, potential seepage problems, and prevent unwanted vegetation growth (Kwasny et. al., 2004). Other designs may be approved by the District depending on special circumstances.
6. Construct, or improve, or maintain levees to quality standard that ensures stability and prevents unwanted seepage. Ideally build levees with >3:1 slopes & >80% compaction; consider >5:1 slope or greater in areas prone to over-land flooding and levee erosion (Kwasny et. al., 2004).
7. Ensure adequately sized water control structures are in place. Increase size and number of water control structures if necessary to allow for complete draw-down and rapid flooding (Kwasny et. al., 2004; Walton, 2003).
8. Inspect and repair levees at least annually (Kwasny et. al., 2004).
9. Design managed wetland projects to include independent inlets and outlets for each wetland unit (Kwasny et. al., 2004).
10. Construct or enhance swales so they are sloped from inlet to outlet and allow the majority of the wetland to be drawn down (Kwasny et. al., 2004).
11. Install cross-levees to facilitate more rapid irrigation and flood-up. Build "underwater" levees that isolate irrigation water during the spring, but can be overtopped during fall and winter flooding (Kwasny et. al., 2004).
12. Excavate deep channels or basins to maintain permanent water areas (> 2.5 feet deep) within a portion of seasonal managed wetlands. This provides year-round habitat for mosquito predators which can inoculate seasonal wetlands when they are irrigated or flooded (Kwasny et. al., 2004).
13. Maintain separate permanent water reservoir that conveys water to seasonal wetlands. Provides year-round habitat for mosquito predators which can inoculate seasonal wetlands when they are irrigated or flooded (Kwasny et. al., 2004).
14. Encourage populations of insectivorous birds (e.g swallows) and bats by preserving nesting and roosting areas (Kwasny et. al., 2004).

Vegetation Management

15. Control floating vegetation conducive to mosquito production (i.e., water hyacinth, water primrose, parrot's feather *Eichhornia* spp., duckweed *Lemna* and *Spirodela* spp., and filamentous algal mats) (Metzger, 2004).
16. Perform routine maintenance to reduce problematic emergent plant densities to facilitate the ability of mosquito predators (i.e., fish) to move throughout vegetated areas, and allow good penetration of chemical control agents. (Kwasny et. al., 2004)

Water Management

17. Maintain stable water level during mosquito season by ensuring constant flow of water into pond or wetland to reduce water fluctuation due to evaporation, transpiration, outflow, and seepage (Kwasny et. al., 2004; Waiton, 2003).
18. Flood managed wetlands with water sources containing mosquito fish or other invertebrate predators. Water from permanent ponds can be used to passively introduce mosquito predators (Kwasny et. al., 2004).
19. Rapidly irrigate wetlands keeping the time water enters the pond to complete drawdown between 4 and 10 days (Kwasny et. al., 2004).
20. Extended duration irrigations (generally 14-17 days) may be considered for weed control (e.g. cocklebur). Additional measures to offset the potential for increased mosquito production may be needed.
21. Delay fall flooding to avoid increasing late-season mosquito production (Kwasny et. al., 2004).
22. Implement additional BMPs for wetlands that need to be flooded earlier than recommended in the fall. The wetlands targeted for early fall flooding should not be near urban centers and should not have a history of heavy mosquito production (Kwasny et. al., 2004).
23. Flood managed wetland unit as fast as possible. Coordinate flooding with neighbors or water district to maximize flood-up rate (Kwasny et. al., 2004).
24. Encourage water circulation by providing a constant flow of water equal to discharge at drain structure (Kwasny et. al., 2004).
25. Flood managed wetland as deep as possible at initial flood-up (18-24"). Shallow water levels can be maintained outside of the mosquito breeding season (Kwasny et. al., 2004).
26. Drain irrigation water into ditches or other water bodies with abundant mosquito predators. Prevent free flooding into fallow or dry fields (Kwasny et. al., 2004).
27. Use a flood-drain-flood regime to control floodwater mosquitoes. Flood wetland to hatch larvae in the pond. Drain wetland to borrow or other ditch where larvae can be easily treated, drowned in moving water, or consumed by predators. Immediately re-flood wetland. (Kwasny et. al., 2004). *Note: This water management regime should be used only when it does not conflict with water quality regulations*
28. Evaluate necessity of irrigation, especially multiple irrigations, based on spring habitat conditions and plant growth. Reduce number and duration of irrigations when feasible (Kwasny et. al., 2004).
29. Where feasible, draw-down managed wetland in late March or early April. Irrigate in late April or early May when weather is cooler and mosquitoes are less of a problem (Kwasny et. al., 2004).
30. Irrigate managed wetland before soil completely dries to prevent soil cracking between spring draw-down and irrigation (Kwasny et. al., 2004).
31. Stock managed wetlands, especially brood ponds or permanent wetlands, with mosquitofish or encourage habitat for naturalized populations. Utilize water sources with mosquitofish to passively transport predators to newly flooded habitats (Kwasny et. al., 2004).
32. Maintain permanent or semi-permanent water where mosquito predators can develop and be maintained. Discourage use of broad spectrum pesticides (Kwasny et. al., 2004).
33. Where feasible, have an emergency plan that provides for immediate drainage into acceptable areas if a public health emergency occurs (Waiton, 2003).
34. Minimize fluctuations in water level to prevent large areas of intermittently flooded substrate or isolated pools from being created, particularly during mosquito season which can start as early as March and extend through October depending on weather (Kwasny et. al., 2004).

Coordination with District

35. Consult with the District on agency-sponsored habitat management plans on private lands (e.g. Presley Program), and on the timing of wetland flooding on public and private lands – urge private landowners to do the same (Kwasny et. al., 2004).
36. Identify problem locations for mosquito production with the District and work to implement mosquito BMPs. Identify potential cost-share opportunities to implement BMPs (Kwasny et. al., 2004).
37. Consult with the District on the design of restoration and enhancement projects that have the possibility of effecting mosquito production or control operations (Kwasny et. al., 2004).

URBAN AND SUBURBAN MOSQUITO SOURCES

Common Mosquito Development Sites

- Un-maintained swimming pools and spas
- Decorative ponds and fountains
- Bird baths
- Water-filled containers
- Clogged rain gutters
- Poorly designed or damaged landscape irrigation systems
- Cemetery vases
- Koi ponds
- Stored or waste tires

Common Mosquito Species

- Cleaner water sources: *Culex tarsalis*
- Water with more organic material: *Culex pipiens*

Special Concerns

Urban and suburban mosquito sources are especially important because, sources may be in and around private residences which are not easily seen or accessed by control technicians and produce mosquitoes in areas of high population density. This can quickly lead to vector-borne disease transmission since the vector (mosquito) and host (human) are often in close proximity. Economic or social changes in a neighborhood can result in an increase in mosquito sources such as un-maintained swimming pools. Fortunately, many of the BMPs for residential areas are relatively inexpensive and easy to implement.

General Mosquito Reduction Principles

1. Prevent or eliminate unnecessary standing water that remains for more than 72 -96 hours during mosquito season which can start as early as March and extend through October depending on weather.
2. Maintain access for District staff to monitor and treat mosquito breeding sources.
3. Contact the District for technical guidance or assistance in implementing mosquito reduction BMPs.

Specific Mosquito Reduction BMPs

Residential Areas

1. Drain all containers of standing water, including pet dishes, wading pools, potted plant drip trays, boats, birdbaths, tires, and buckets, at least once a week during mosquito season. Keep in mind that mosquitoes can develop in as little as 1/8" of standing water.
2. Use an approved disinfection process (chlorine, bromine) to prevent mosquito breeding in swimming pools and spas. Use skimmers and filter systems to remove egg rafts and mosquito larvae.
3. If a pool or spa is not going to be maintained for any reason, do one of the following:
 - 1) drain the pool or spa completely of any water (note that in-ground pools may be damaged by being completely drained. Above-ground pools and spas generally may be drained without damage),
 - 2) notify the District so that the pool can be inspected regularly and treated with a larvicide and/or stocked with mosquito fish if needed.
4. Notify the District of any ponds (including ponds with ornamental fish such as koi or goldfish) with permanent or seasonally permanent water. Allow District technicians to inspect and periodically stock mosquitofish or guppies to biologically control mosquito larvae.

5. Landscape irrigation drainage should be managed such that no water stands for more than 72 hrs during mosquito breeding season (generally April-October).
6. All underground drain pipes should be laid to grade to avoid low areas that may hold water for longer than 72 hours.
7. Keep rain gutters clear of leaves and debris. Check for standing water in gutters after rain events during mosquito season.
8. Provide safe access for District technicians to all pools, spas, ponds, landscape irrigation structures, catch basins, storm drains, drainage pipes, sewer cleanouts, or any other potential mosquito breeding source.
9. Repair leaks or damaged drainage system components to prevent standing water for more than 72 hours during mosquito season.
10. Notify the District of any condition that may produce mosquitoes on the property such as flooding, broken pipe, damaged septic tank cover, leaking outdoor faucet. If unable to be fixed or results in standing water for more than 72 hours during mosquito season.

Tire Storage

1. Never allow water to accumulate in tires. Tires should be stored in a covered location or covered by a tarp in order to prevent the accumulation of water from rain, sprinklers, etc.
2. Tires should never be stored in a pile. Tires should be stored on racks or in a stack not more than two rows wide.
3. Tires should be stored in a manner that allows inspections of each individual tire.
4. Waste tires should be picked up by the proper disposal entity on a regular basis.
5. Those responsible for stored tires should inspect and dump out any water that may have accumulated inside tires on their premises on a weekly basis.

Cemetery Flower Vases

1. Use a water-absorbing polymer material (super-absorbent polyacrylamide) which turn standing water into a gel. This eliminates the chance of mosquito development yet allows cut flowers to remain fresh.
2. Seek alternatives to in-ground or mounted flower vases which can hold water for 72-96 hours.
3. Dump out all vases weekly during the spring, summer, and fall.

REFERENCES

- Creedon, P.E., *Waste Discharge Requirements General Order for Existing Milk Cow Dairies (Tentative)*, Central Valley Region-CRWQCB, 2006.
- Kwasny, D.C., Wolder, Mike and Isola, Craig R., *Technical Guide to Best Management Practices for Mosquito Control in Managed Wetlands*, Central Valley Joint Venture, 2004, U.S. Bureau of Reclamation.
- Lanzaro, G.C., Lawler, S. P., *Managing Mosquitoes on the Farm*, 2005, UC ANR, Publication #8158.
- Lawler, S.P., *UC IPM Pest Management Guidelines: Rice*, 2005, UC ANR, Publication #8117.
- Metzger, M.E., *Managing Mosquitoes in Stormwater Treatment Devices*, 2004, UC ANR Publication #8125.
- Best Management Practices to Minimize Mosquito Breeding in Rice Fields, in Industry Guidance to California Rice Producers*. 2005, California Rice Commission. Note: Document expired Dec 2006.
- Walton, W.E., *Managing Mosquitoes in Surface Flow Constructed Treatment Wetlands*, 2003, UC ANR Publication #8117.

ABOUT CONTRA COSTA MOSQUITO & VECTOR CONTROL DISTRICT

Protecting Public Health Since 1927

Early in the 1900s, Northern California suffered through epidemics of encephalitis and malaria, and severe outbreaks of saltwater mosquitoes. At times, parts of Contra Costa County were considered uninhabitable resulting in the closure of waterfront areas and schools during peak mosquito seasons. Recreational areas were abandoned and Realtors had trouble selling homes. The general economy suffered. As a result, residents established the Contra Costa Mosquito Abatement District which began service in 1927.

Today, the Contra Costa Mosquito and Vector Control District continues to protect public health with environmentally sound techniques, reliable and efficient services, as well as programs to combat emerging diseases, all while preserving and/or enhancing the environment.

FREE Services for Contra Costa County Residents

MOSQUITOES

Inspection and control

TICKS

Tick identification

MOSQUITOFISH

*Free for residential
ponds*

RATS AND MICE

Inspection and advice

YELLOWJACKETS AND BEES

*Ground-nest and
swarm control*

SKUNKS

*Inspection and
assistance*

PUBLIC EDUCATION

*Literature and
presentations*



**Scan.
Learn.
Stay Healthy.**

Contra Costa Mosquito & Vector Control District
155 Mason Circle • Concord, CA 94520
(925) 771-6172 office • (925) 685-0266 fax
www.ContraCostaMosquito.com



155 Mason Circle
Concord, CA 94520
phone (925) 685-9301
fax (925) 685-0266
www.ccmvcd.dsf.ca.us

Date: April 1, 2013

TO: Government Agencies in Contra Costa County

SUBJECT: ANNUAL NOTICE OF INTENT TO APPLY PUBLIC HEALTH PESTICIDES FOR VECTOR CONTROL PURPOSES WITHIN AND ADJACENT TO CONTRA COSTA COUNTY

1. Pursuant to the Statewide National Pollutant Discharge Elimination System Permit for Residual Pesticide Discharges to Waters of the United States from Vector Control Applications, as required under item VIII.B of the General Permit, it is the intent of the Contra Costa Mosquito & Vector Control District (CCMVCD) to apply pesticides in Contra Costa County.
2. A list of potential materials to be used are included. See attachment.
3. Mosquitoes are suppressed to protect the public from mosquito-borne diseases and pest mosquitoes.
4. Applications may occur anywhere in the county at any time of the year.
5. There are no known water use restrictions or precautions during treatment.
6. Interested persons may contact the district office at (925) 685-9301 to obtain additional information or visit our website www.ContraCostaMosquito.com

Protecting Public Health Since 1927

BOARD OF TRUSTEES

President JEFF BENNETT Hercules • **Vice President** JIM PINCKNEY Contra Costa County • **Secretary** H. RICHARD MANK El Cerrito
Antioch JOSE SAAVEDRA • **Brentwood** ROLANDO VILLAREAL • **Clayton** PEGGIE HOWELL • **Concord** PERRY CARLSTON • **Contra Costa County** Vacant • **Contra Costa County** CHRIS COWEN
Danville RANDALL DIAMOND • **Lafayette** JAMES FITZSIMMONS • **Martinez** DANIEL PELLEGRINI • **Moraga** MYRTLE PIETREAS, PhD • **Oakley** MICHAEL KRIEG • **Oroville** DIANE WOLCOTT
Pinole WARREN CLAYTON • **Pittsburg** RICHARD AINSLEY, PhD • **Pleasant Hill** RICHARD MEANS • **Richmond** SOHILA BANA, PhD • **San Pablo** Vacant • **San Ramon** SHARYN ROSSI • **Walnut Creek** MORRIS JONES PhD

Please see the following references regarding selection and use of pesticides in CCMVCD's program.

- a. Best Management Practices for Mosquito Control in California. 2010. California Department of Public Health, Vector-Borne Disease Section <http://www.westnile.ca.gov/resources.php>
- b. California Mosquito-Borne Virus Surveillance & Response Plan. 2010. California Department of Public Health, Vector-Borne Disease Section <http://www.westnile.ca.gov/resources.php>
- c. Operational Plan for Emergency Response to Mosquito-Borne Disease Outbreaks. 2010. California Department of Public Health, Vector-Borne Disease Section <http://www.westnile.ca.gov/resources.php>
- d. Overview of Mosquito Control Practices in California. 2008. California Department of Public Health, Vector-Borne Disease Section <http://www.westnile.ca.gov/resources.php>
- e. Epidemic/Epizootic West Nile Virus in the United States: Guidelines for Surveillance, Prevention and Control. 2003. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention <http://www.cdc.gov/ncidod/dvbid/westnile/>
- f. Contra Costa Mosquito & Vector Control District Mosquito-Borne Virus Surveillance & Response Plan. 2006. http://contracostamosquito.com/npdes_docs.htm
- g. Pesticides and Public Health: Integrated Methods of Mosquito Management. 2001. U.S. Environmental Protection Agency <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2631680/>

ATTACHMENT A – LIST OF PERMITTED ADULTICIDE PRODUCTS

Product Name	EPA Registration No.
Pyrocide Mosquito Adulticiding Concentrate for ULV Fogging 7395	1021-1570
Evergreen Crop Protection EC 60-6	1021-1770
Pyrenone Crop Spray	432-1033
Prentox Pyronyl Crop Spray	655-489
Pyrocide Mosquito Adulticiding Concentrate for ULV Fogging 7396	1021-1569
Aquahalt Water-Based Adulticide	1021-1803
Pyrocide Mosquito Adulticide 7453	1021-1803
Pyrenone 25-5 Public Health Insecticide	432-1050
Prentox Pyronyl Oil Concentrate #525	655-471
Prentox Pyronyl Oil Concentrate or 3610A	655-501
Permanone 31-66	432-1250
Kontrol 30-30 Concentrate	73748-5
Aqualuer 20-20	769-985
Aqua-Reslin	432-796
Aqua-Kontrol Concentrate	73748-1
Kontrol 4-4	73748-4
Biomist 4+12 ULV	8329-34
Permanone RTU 4%	432-1277
Prentox Perm-X UL 4-4	655-898
Allpro Evoluer 4-4 ULV	769-982
Biomist 4+4	8329-35
Kontrol 2-2	73748-3
Scourge Insecticide with Resmethrin/Piperonyl Butoxide 18%+54% MF Formula II	432-667
Scourge Insecticide with Resmethrin/Piperonyl Butoxide 4%+12% MF Formula II	432-716
Anvil 10+10 ULV	1021-1688
AquaANVIL Water-based Adulticide	1021-1807
Duet Dual-Action Adulticide	1021-1795
Anvil 2+2 ULV	1021-1687
Zenivex E20	2724-791
Trumpet EC Insecticide	5481-481
Fyfanon ULV Mosquito	67760-34

ATTACHMENT B – LIST OF PERMITTED LARVICIDE PRODUCTS

Product Name	EPA Registration No.
Vectolex CG Biological Larvicide	73049-20
Vectolex WDG Biological Larvicide	73049-57
Vectolex WSP Biological Larvicide	73049-20
Vectobac Technical Powder	73049-13
Vectobac-12 AS	73049-38
Aquabac 200G	62637-3
Teknar HP-D	73049-404
Vectobac-G Biological Mosquito Larvicide Granules	73049-10
Vectomax CG Biological Larvicide	73049-429
Vectomax WSP Biological Larvicide	73049-429
Vectomax G Biological Larvicide/Granules	73949-429
Zoecon Altosid Pellets	2724-448
Zoecon Altosid Pellets	2724-375
Zoecon Altosid Liquid Larvicide Mosquito Growth Regulator	2724-392
Zoecon Altosid XR Entended Residual Briquets	2724-421
Zoecon Altosid Liquid Larvicide Concentrate	2724-446
Zoecon Altosid XR-G	2724-451
Zoecon Altosid SBG Single Brood Granule	2724-489
Mosquito Larvicide GB-1111	8329-72
BVA 2 Mosquito Larvicide Oil	70589-1
BVA Spray 13	55206-2
Agnique MMF Mosquito Larvicide & Pupicide	53263-28
Agnique MMF G	53263-30
Abate 2-BG	8329-71
5% Skeeter Abate	8329-70
Natular 2EC	8329-82
Natular G	8329-80
Natular XRG	8329-83
Natular XRT	8329-84
FourStar Briquets	83362-3
FourStar SBG	85685-1
Aquabac XT	62637-1
Spheratax SPH (50 G) WSP	84268-2
Spheratax SPH (50 G)	84268-2

Fiscal Year 2014/15 Public Information/Participation Program/BASMAA Events and Activities

	C.7.c. - Use of Free Media - Participate in or contribute to a media relations campaign, at the program, regional, an/or local levels. Maximize use of free media.		C.7.e. - Public Outreach Events - Participate in and/or host events such as fairs, shows, workshops to reach a broad spectrum of the community with both general and specific stormwater runoff pollution prevention messages.		C.7.f. - Watershed Stewardship Collaborative Events - Individually or collectively encourage and support watershed stewardship collaborative efforts of community groups such as the CCWF, Friends of Creeks, etc.		C.7.g. Citizen Involvement Events - Individually or collectively support citizen involvement events which provide the opportunity for citizens to directly participate in water quality and aquatic habitat improvement, such as clean ups and volunteer monitoring.		C.7.h. - School-Age Children Outreach - Individually or collectively implement outreach activities designed to increase awareness of stormwater and/or watershed messages in school-age children (K-12).		C.9.h. - Public Outreach to PCOs & Residents - Conduct outreach to consumers at point of purchase including participation in the Our Water Our World program. Outreach to residents who use or contract for structural or landscape pest control.	
	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events	# Required	# Program / BASMAA events
ANTIOCH	6	#3	5	#2, 7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
BRENTWOOD	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
CLAYTON	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
CONCORD	6	#3	5	#2, 7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
COUNTY	6	#3	5	#2, 7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
DANVILLE	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
EL CERRITO	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
FLOOD CONTROL	6	#3	6	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
HERCULES	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
LAFAYETTE	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
MARTINEZ	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
MORAGA	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
OAKLEY	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
ORINDA	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
PINOLE	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
PITTSBURG	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
PLEASANT HILL	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
RICHMOND	6	#3	5	#2, 7	1+	#4, 8, 9	3	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
SAN PABLO	6	#3	3	#2, 7	1+	#4, 8, 9	1	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
SAN RAMON	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12
WALNUT CREEK	6	#3	4	#2, 7	1+	#4, 8, 9	2	#1, 9, 10	1+	#5, 6	1+	#7, 11, 12

1. 2015 Community Watershed Stewardship Grant Program
2. May 2015 "Bringing Back the Natives" Garden Tours
3. 6 "Use of Free Media" BASMAA Press Releases
4. Program Participation on the Contra Costa Watershed Forum
5. "Be Classy Not Trashy" Youth Outreach Litter Campaign
6. Mr. Funnelhead School, City/County Events and TV Ads
7. Our Water Our World (Includes Tabling/Outreach Events at Stores)
8. Green Business Program
9. Website: CCCleanWater.org Community Calendar
10. Website: MyGreenGarden.org
11. Pesticides Linger Campaign
12. Petsticides Campaign

Attachment C9h

Attachments

City of Clayton

for Section C-10

TMA #	Municipality Assigned ID	Address Description	Date of Installation	Date of annual maintenance event	City of Clayton DI insert maintenance July - Sept. 2014 (FY 14-15)				total all materials removed cubic feet
					Materials removed: Cubic Feet Plastic	Materials removed: Cubic Feet Paper	Materials removed: Cubic Feet Sediment	Materials removed: Cubic Feet Leaves	
3	TC-1	By Diablo View Middle School	Aug 2012	incomplete record no data					
3	TC-2	NE Cor. MCR & Regency Dr.	Aug 2012	7/30/2014 - 9/24/2014	0	0	0.07	1.1	1.17
3	TC-3	By middle school	Aug 2012	7/30/2014 - 9/30/2014	0	0.01	0.11	1.1	1.21
3	TC-4	Diablo Middle School entrance	Aug 2012	7/30/2014 - 9/30/2014	0	0.01	0.07	1.4	1.48
1	TC-5	Water Feature	Aug 2012	7/30/2014 - 9/30/2014	0	0.005	0.02	0.5	0.525
4	TC-6	Eagle Peak Hill	Aug 2012	7/30/2014 - 9/30/2014	0	0.03	0.07	0.55	0.65
4	TC-7	Eagle Peak Hill	Aug 2012	7/30/2014 - 9/30/2014	0	0.09	0.09	1.6	1.78
4	TC-8	Eagle Peak Hill	Aug 2012	incomplete record no data					
4	TC-9	Eagle Peak Hill	Aug 2012	7/30/2014 - 9/30/2014	0.04	0.06	0.20	1.8	2.10
1	TC-10	Old Marsh by Plaza	Aug 2012	7/30/2014 - 9/30/2014	0.1	0.07	0.20	3.2	3.87
1	TC-11	Center & Morris Downtown	Aug 2012	7/30/2014 - 9/30/2014	0.48	0.48	0.24	3.6	4.80
1	TC-12	Endeavor Hall	Aug 2012	7/30/2014 - 9/30/2014	0	0.01	0.05	0.5	0.11
1	TC-13	Oak & Main Downtown	Aug 2012	7/30/2014 - 9/30/2014	0.07	0.30	0.20	3.1	3.67
1	TC-14	Oak & Main Downtown	Aug 2012	7/30/2014 - 9/30/2014	0.06	0	0.10	2.9	3.06
1	TC-15	Main St By the Grove Park	Aug 2012	7/30/2014 - 9/30/2014	0	0	0.03	0.6	0.90
3	TC-16	MCR East by Community Park	Aug 2012	7/30/2014 - 9/24-30/2014	0	0.04	0.05	3.1	3.19
3	TC-17	MCR by community park	Aug 2012	7/30/2014 - 9/30/2014	0	0	0.30	0.6	0.90
1	TC-18	City Hall Hill	Aug 2012	7/30/2014 - 9/30/2014	0	0.05	0.20	2.2	2.25
1	TC-19	City Hall hill	Aug 2012	7/30/2014 - 9/30/2014	0	0	0.06	1.5	1.56
1	TC-20	Police parking entrance	Aug 2012	7/30/2014 - 9/30/2014	0	0	0.1	2.4	2.5
1	TC-21	Police parking entrance	Aug 2012	incomplete record no data					
1	TC-22	City Hall Parking lot	Aug 2012	7/30/2014 - 9/30/2014	0	0	0.02	0.4	0.42
1	TC-23	Across from Mudville Grill	Aug 2012	7/30/2014 - 9/30/2014	0	0	0.03	0.6	0.63
1	TC-24	Mudville Grill	Aug 2012	7/30/2014 - 9/30/2014	0.03	0.04	0.07	1.2	1.34
1	TC-25	Corp Yard	Nov 2012	7/30/2014 - 9/30/2014	0.2	0.4	0.20	3.0	3.80
total materials					0.98	1.595	2.48	36.95	41.915

Attachment C IDa
July - Sept. 2014

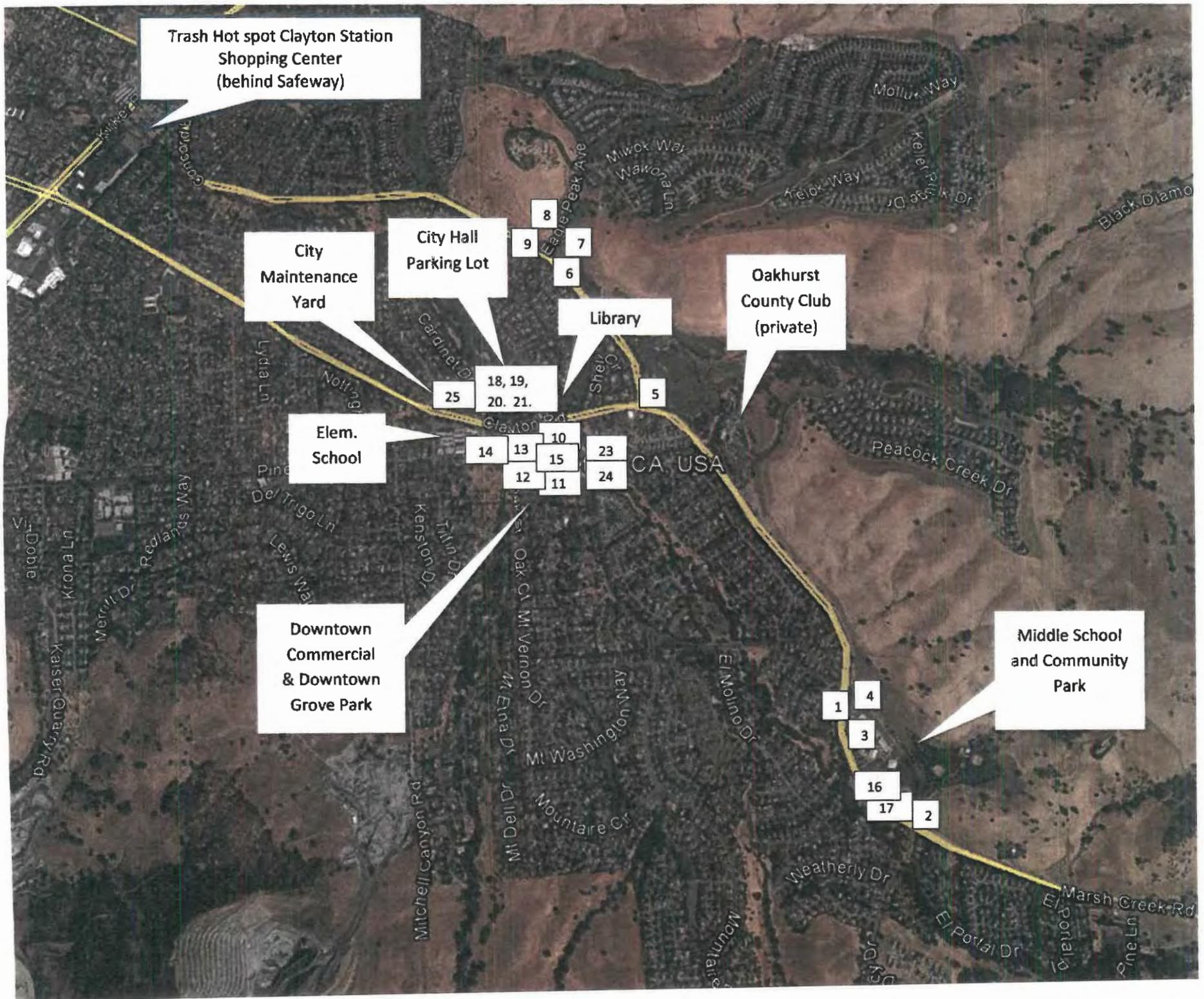
City of Clayton – Trash Capture Locations

- 1) Marsh Creek Rd. Westside approximately 400' South of Old Marsh Creek Rd. and Clayton Rd.

This catch basin is by Diablo View Middle School across from street light #1175S.

- 2) Marsh Creek Rd. Northeast corner of Marsh Creek Rd. and Regency Dr. by the community park.
- 3) Marsh Creek Rd. Eastside approximately 400' North of Old Marsh Creek Rd. and Clayton Rd. by Diablo View Middle School across from street light #1175N.
- 4) Marsh Creek Rd. Southeast corner of Old Marsh Creek Rd. and Clayton Rd. at Diablo View Middle School entrance.
- 5) Northeast corner of Oakhurst Dr. and Clayton Rd. in front of the Water Feature.
- 6) Oakhurst Dr. Southeast corner of Oakhurst Dr. and Eagle Peak.
- 7) Eagle Peak East Southeast corner of Eagle Peak and Oakhurst Dr.
- 8) Eagle Peak East Northeast corner of Eagle Peak and Oakhurst Dr.
- 9) Oakhurst Dr. Northeast corner of Oakhurst Dr. and Eagle Peak.
- 10) Old Marsh Creek Rd. Northeast corner of Old Marsh Creek Rd. and Main St.
- 11) Center St. Southeast corner of Center St. and Morris St.
- 12) Center St. Southside in front of 6008 Center St. Endeavor Hall.
- 13) Oak St. Southeast corner of Oak St. and Main St.
- 14) Oak St. Southwest corner of Oak St. and Main St.
- 15) Main St. Southside 120' west of Main St and Marsh Creek Rd.
- 16) Marsh Creek Rd East side approximately 400' north of Regency Dr.

- 17) Marsh Creek Rd East side approximately 600' north of Regency Dr.
- 18) City Hall parking lot Northeast corner.
- 19) City Hall parking lot East side of Police parking entrance.
- 20) City Hall parking lot West side of Police parking entrance.
- 21) City Hall parking lot East side Heritage Trail at the bottom of hill.
- 22) City Hall parking lot West side Heritage Trail at the bottom of hill.
- 23) Center St. Southeast corner by Mudville Grill.
- 24) Center St. Northeast corner across from Mudville Grill.
- 25) City Maintenance Yard in the far Northwest corner.



Trash Hot spot Clayton Station Shopping Center (behind Safeway)

City Maintenance Yard

City Hall Parking Lot

Library

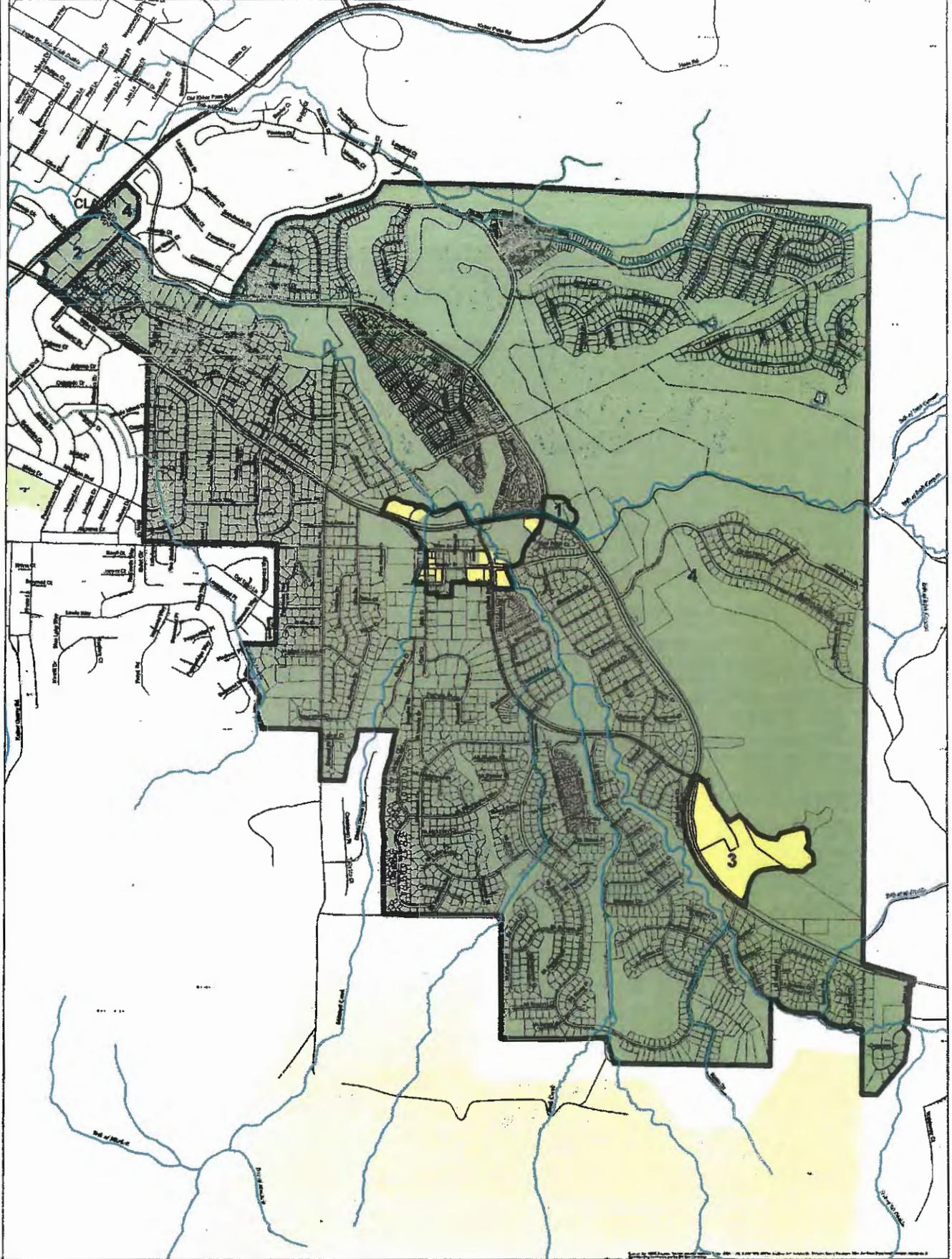
Oakhurst County Club (private)

Elem. School

Downtown Commercial & Downtown Grove Park

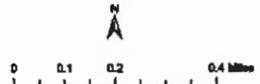
Middle School and Community Park

City of Clayton Trash Management Areas Map



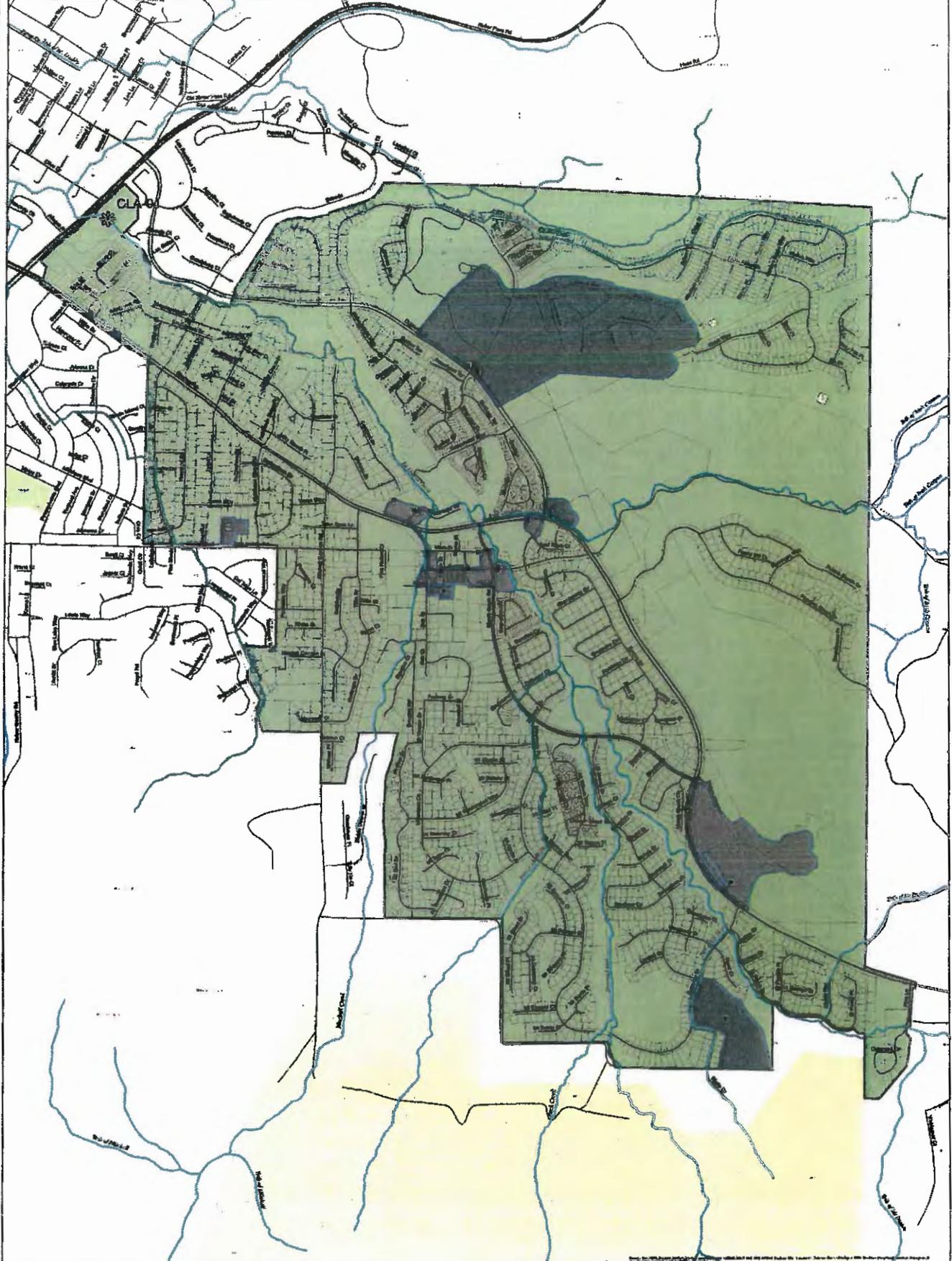
Legend

Low	Creek/Shoreline Hotspot	Streets
Medium	Trash Management Area	Agency Boundary
High	Non-Jurisdictional (Dot color = Generation Category)	Creeks
Very High	Parcel Boundary	

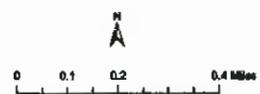


Date Reviewed:
 Roads: 1/14/14
 City Boundaries: Corina Costa County
 Background: ESRI World Topographic Map
Map Created By:
 EDA, Inc.
Date:
 November 05, 2014

City of Clayton Full Trash Capture Map



Legend		
Trash Generation Category	Creek/Shoreline Hotspot	Street
Low	Full-Capture Location	Agency Boundary
Medium	Full Trash Capture	Creek
High	Non-Jurisdictional (Dot color = Generation Category)	Parcel Boundary
Very High		



Data Source:
 Randco: Title Atlas
 City Boundary: Corbis, Costa County
 Background: ESRI World Topographic Map
Map Created By:
 EDA, Inc.
Date:
 November 6th, 2014

**City of Clayton Master Location
Map of Installed Trash Capture
Devices and Hot Spot Location:
(See Detail maps for more precise
location and ABAG Trash Tracker
Program for GPS location data)**

**Devices are inspected at minimum
of one time per year, more if
needed.**

**They are cleaned based upon the
inspection results and at least one
time per year.**

**All data is inputted into Trash
Tracker program.**

Protect our Waterways, Beaches and Oceans



Stormwater Debris Screens & Filters



Catch Basin Trash Capture Devices: Connector Pipe Screens (CPS)

- Certified "full capture" device by Los Angeles & San Francisco Water Quality Boards
 - Captures all particles > 5 mm
 - Meets hydraulic design standards of > flow rate from 1-year, 1 hour storm and bypass of maximum inlet design capacity
- GRATE and Wavy Trash Catchers made from innovative corrugated perforated screen:
 - Meets hydraulic standards in less space
 - Ensures bypass requirement compliance
- Increases catch basin holding capacity:
 - Reduces time intervals between clean-outs & maintenance costs
 - Minimizes flooding potential
- Best (and sometimes only) solution for shallow, narrow, smaller & longer catch basins
- Designed by Mike Soliman, P.E. former Assistant Head, Design Div., LA County Public Works, Flood Control & Water Quality
- Constructed from 304 Stainless Steel: Permanent installations, expected life of 15 -20 years, 5 year warranty.
- Also made in cost-saving, non-leaching, high-strength Plastic.
- Conventional (non-corrugated) Waterway Solutions' Connector Pipe Screens (CPS) available for less-challenging catch basins



GRATE Trash Catcher™
Wavy Trash Catcher™
Conventional CPS

Trash Capture Devices for
ANY type of Catch Basin!



"Wavy" Corrugated CPS: Increased effectiveness in a smaller footprint



"Grate Trash Catcher" CPS:
Effective in catch basins as
small as 18" x 18" x 18"



City of Clayton Full Trash Capture Device Report Information

TMA #	Location	Municipality Assigned ID	Address Description
3	37.931142,-121.923538	TC-1	By Diablo View Middle School
3	37.927325,-121.920531	TC-2	NE Cor. MCR & Regency Dr.
3	37.931058,-121.923293	TC-3	By middle school
3	37.932331,-121.922912	TC-4	Diablo Middle School entrance
1	37.942822,-121.930625	TC-5	Water Feature
4	37.948345,-121.93445	TC-6	Eagle Peak Hill
4	37.948529,-121.934444	TC-7	Eagle Peak Hill
4	37.948648,-121.934663	TC-8	Eagle Peak Hill
4	37.948621,-121.934939	TC-9	Eagle Peak Hill
1	37.941247,-121.933722	TC-10	Old Marsh by Plaza
1	37.940506,-121.934722	TC-11	Center & Morris Downtown
1	37.940498,-121.936591	TC-12	Endeavor Hall
1	37.941169,-121.936705	TC-13	Oak & Main Downtown
1	37.941178,-121.936797	TC-14	Oak & Main Downtown
1	37.941183,-121.93423	TC-15	Main St By the Grove Park
3	37.927955,-121.921534	TC-16	MCR East by Community Park
3	37.928253,-121.9211887	TC-17	MCR by Community park
1	37.942823,-121.937473	TC-18	City Hall hill
1	37.942782,-121.937442	TC-19	City Hall hill
1	37.942764,-121.937326	TC-20	Police parking entrance
1	37.942779,-121.937267	TC-21	Police parking entrance
1	37.942801,-121.936693	TC-22	City Hall Parking lot
1	37.940625,-121.933251	TC-23	Across from Mudville Grill
1	37.940467,-121.933244	TC-24	Mudville Grill
1	37.943211,-121.938488	TC-25	Corp Yard

Devises installed August/Nov. 2012

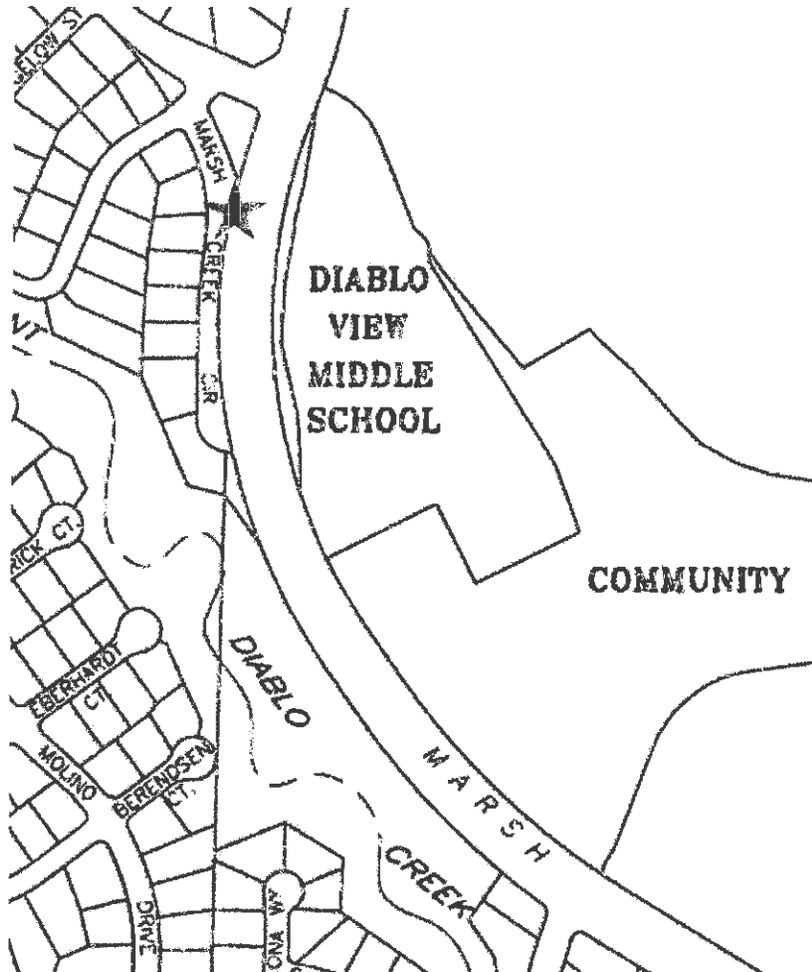
First inspection: July 2013 (Submitted in FY 13-14 Annual Report)

Second Inspection: July 2014-Sept. 2014 (Submitted with FY 14-15 Annual Report)

Third Inspection: July 2015 (Submitted with FY 14-15 Annual Report)

(1)

Marsh Creek Rd. Westside approximately 400' South of Old Marsh Creek Rd. and Clayton Rd. This catch basin is by Diablo View Middle School across from street light #1175S.



TC – 1 (By Diablo View Middle School)

37.931142,-121.923538

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Municipality:	Clayton
Date Installed:	8/14/12
Land Use:	School
Catchbasin Dimensions:	H: 5 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	30 cubic foot capacity.



9/24/2014 Delete



9/24/2014 Delete



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37.941183,-121.93423

TC-1

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

View all installations for this device

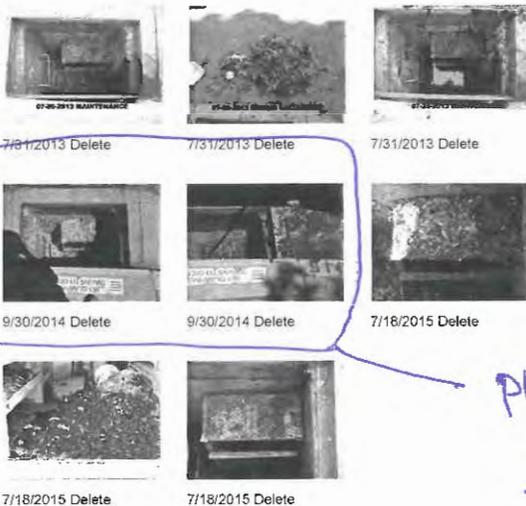
Funded by SFEP

Municipality: Clayton
Date Installed: 8/18/12
Land Use: Commercial
Catchbasin Dimensions: H: 5 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter: 15.0
Installation notes: 30 cubic foot capacity.

Maintenance Events

Add Event Export

- 07/30/2014
07/26/2013
07/06/2015



photo's taken but data not entered into system

No inspection shown in 2014 – TC- 1 By Diablo View Middle School

bayareatraintracker.org/index/3380 37.931142,-121.923538 | w...
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37.931142,-121.923538

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

[View all installations for this device](#)

Municipality:	Clayton
Date Installed:	8/14/12
Land Use:	School
Catchbasin Dimensions:	H: 5 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	30 cubic foot capacity.

Maintenance Events

[Add Event](#) [Export](#)

07/26/2013
07/06/2015
07/06/2015



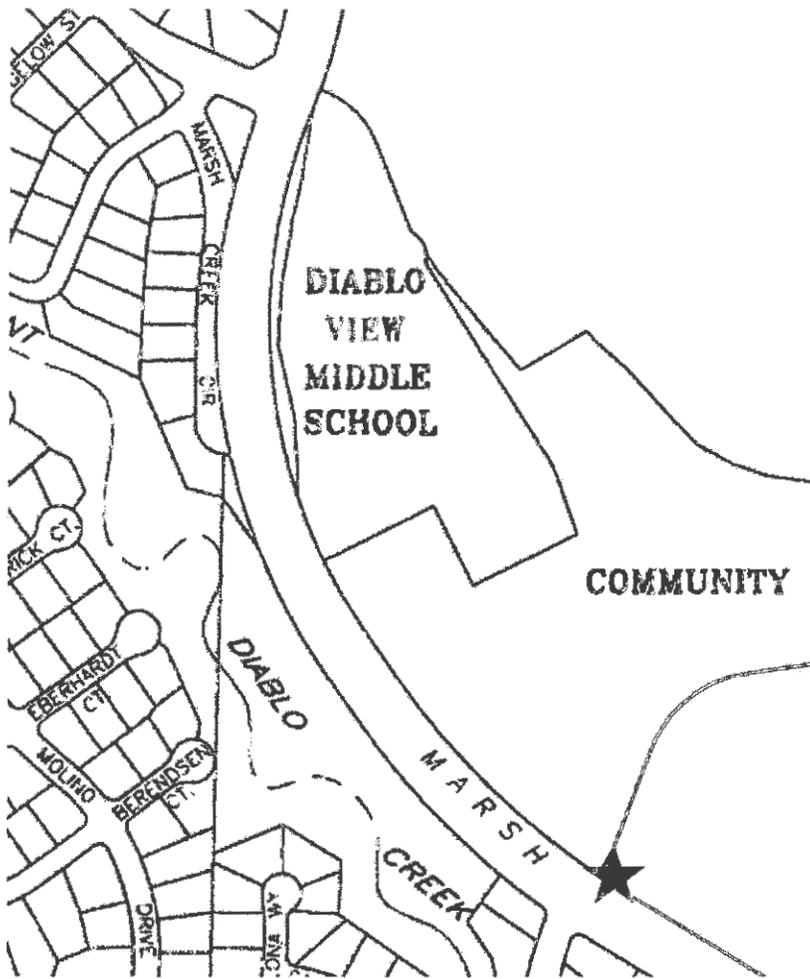
Map

San Francisco



(2)

Marsh Creek Rd. Northeast corner of Marsh Creek Rd. and Regency Dr. by the community park.



TC – 2 (NE Corner MCR & Regency Dr.)

37.927325,-121.920531

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/14/12
Land Use:	Park
Catchbasin Dimensions:	H: 51 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	25.5 cubic foot capacity.



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9/24/2014 Delete



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37.927325,-121.920531 - 07/30/2014

TC-2

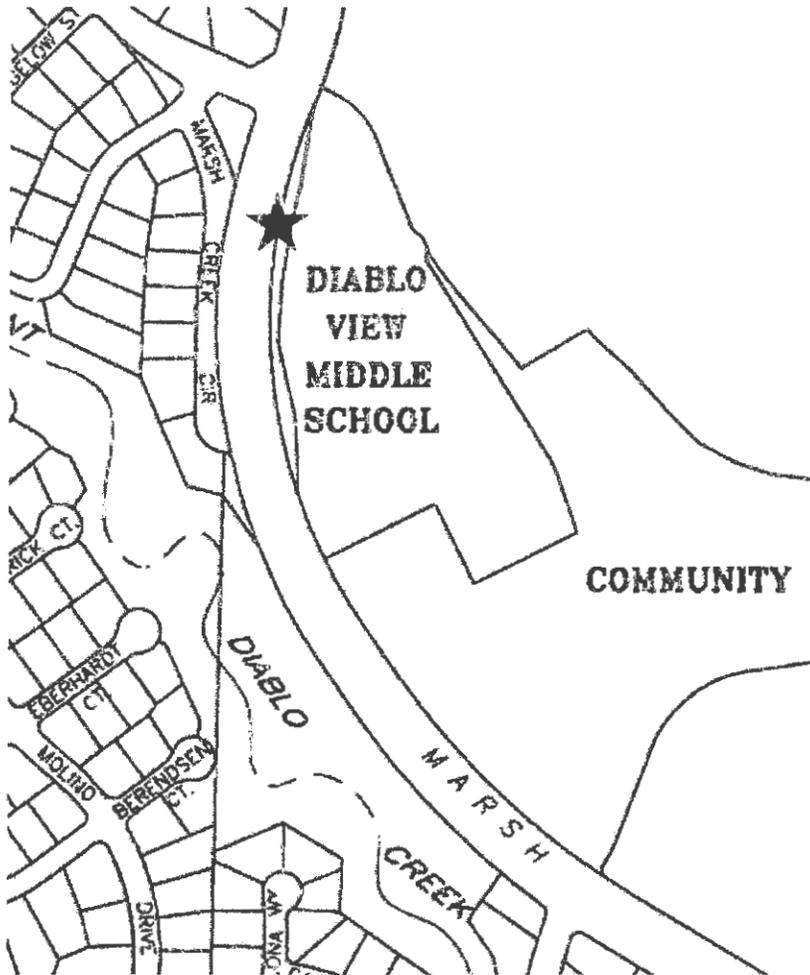
[View 37.927325,-121.920531 →](#)
[View Municipality Page for Clayton, CA →](#)

Edit Maintenance Event

<p>Reason for inspection/maintenance</p> <p>Regular scheduled maintenance</p>
<p>Condition of Device</p> <p>Intact, not damaged</p> <p>Estimate percentage of catch basin full: 5%</p>
<p>Maintenance Effort</p> <p>2 people participated in this maintenance event</p> <p>Equipment used for trash removal:</p> <ul style="list-style-type: none"> • Manual/Shovels/Clamshell <p>Estimated cost of maintenance event: \$70</p>

(3)

Marsh Creek Rd. Eastside approximately 400' North of Old Marsh Creek Rd.
and Clayton Rd. by Diablo View Middle School across from street light #1175N.



TC- 3 (By Middle School)

37.931058,-121.923293

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/14/12
Land Use:	School
Catchbasin Dimensions:	H: 51 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	25.5 cubic foot capacity



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9/30/2014 Delete



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37.931058,-121.923293 - 07/30/2014

TC-3

[View 37.931058,-121.923293 →](#)
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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 5%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

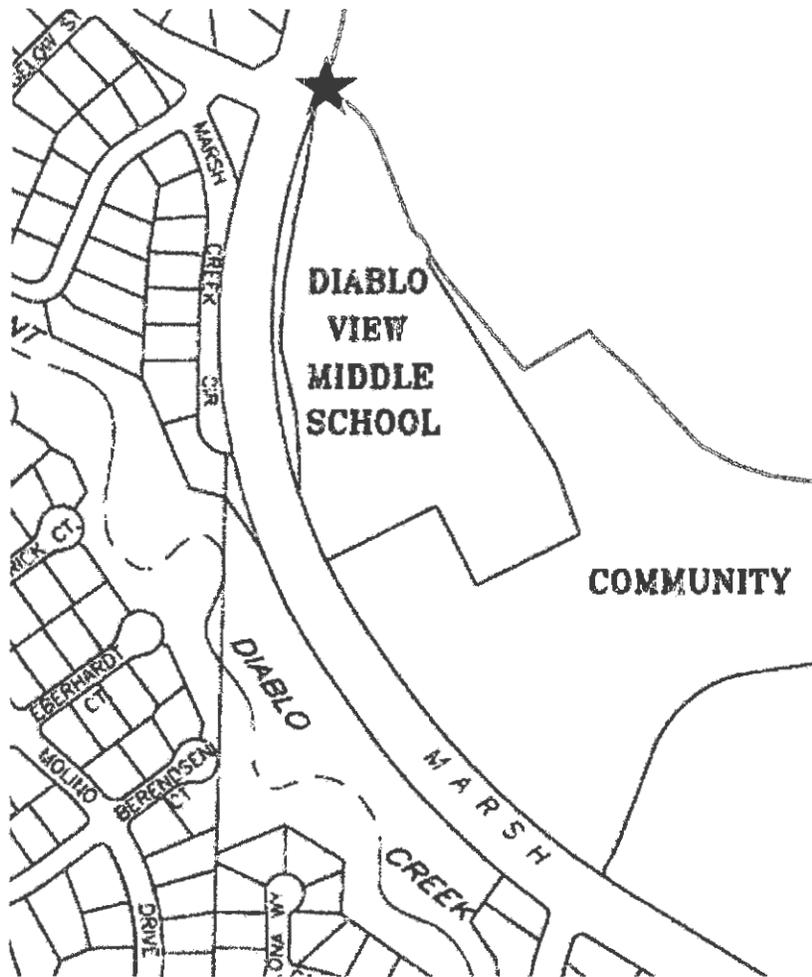
Paper Removed: 1%, 0.01 cu.ft.

Sediment Removed: 9%, 0.11 cu.ft.

Leaves/Vegetation Removed: 90%, 1.1 cu.ft.

(4)

Marsh Creek Rd. Southeast corner of Old Marsh Creek Rd. and Clayton Rd. at
Diablo View Middle School entrance.



TC – 4 (Diablo View Middle School entrance)

37.932331,-121.922912

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

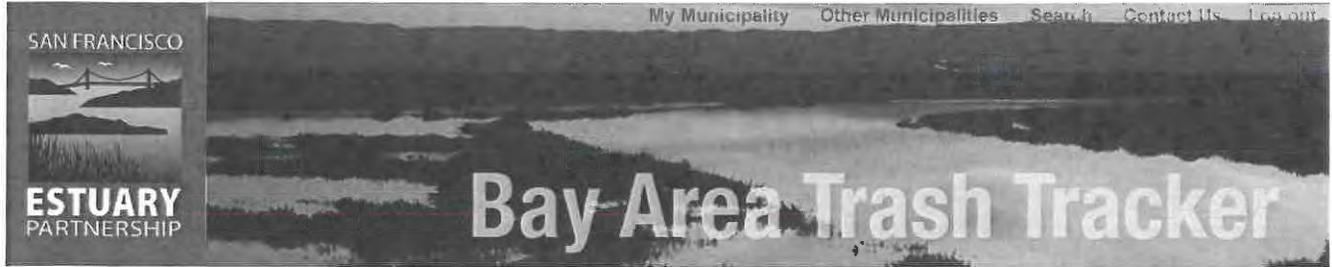
Municipality:	Clayton
Date Installed:	8/14/12
Land Use:	School
Catchbasin Dimensions:	H: 6 ft. ft./in. W: 3 ft. ft./in. H: 4 ft. ft./in.
Outflow pipe diameter:	19.0
Installation notes:	72 cubic foot capacity.



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37.932331,-121.922912 - 07/30/2014

TC-4

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 2%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

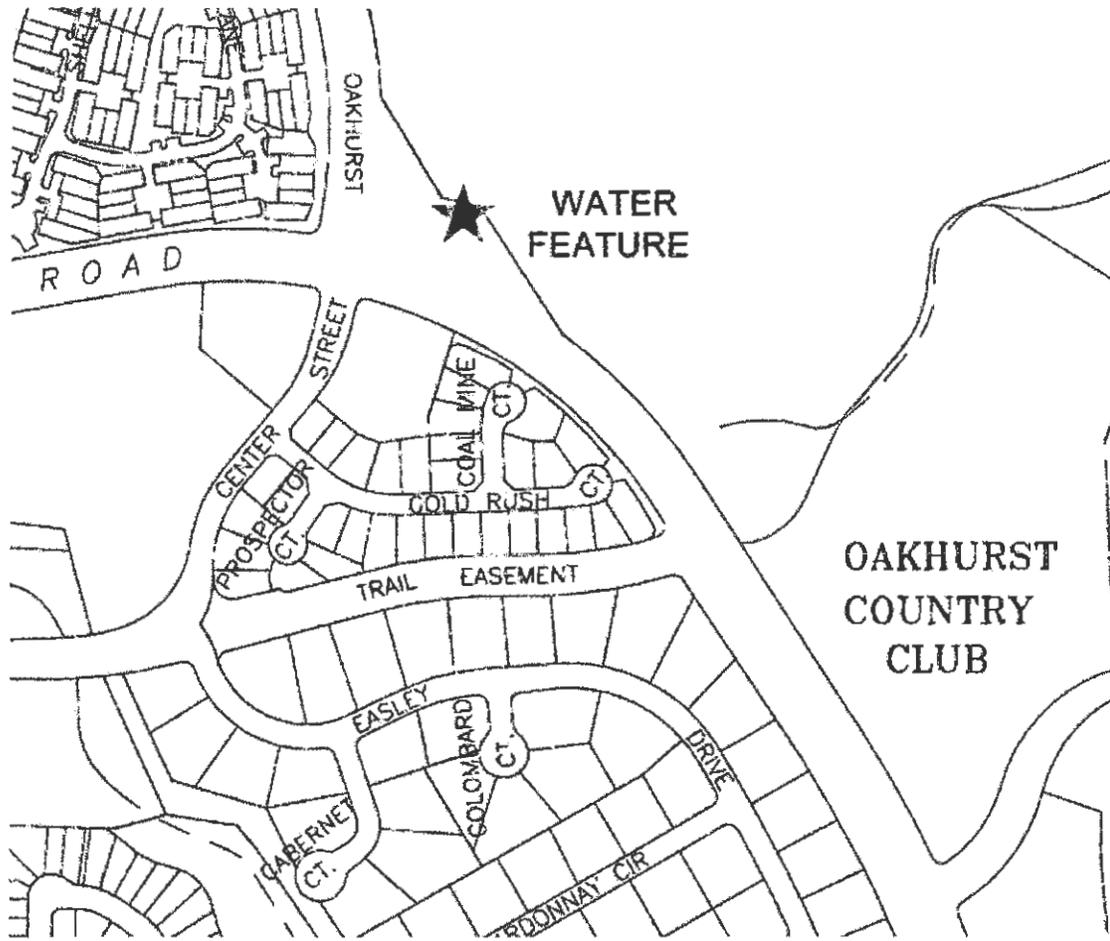
Paper Removed: 1%, 0.01 cu.ft.

Sediment Removed: 5%, 0.07 cu.ft.

Leaves/Vegetation Removed: 94%, 1.4 cu.ft.

(5)

Northeast corner of Oakhurst Dr. and Clayton Rd. in front of the Water Feature.



TC – 5 (Water Feature)

37.942822,-121.930625

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

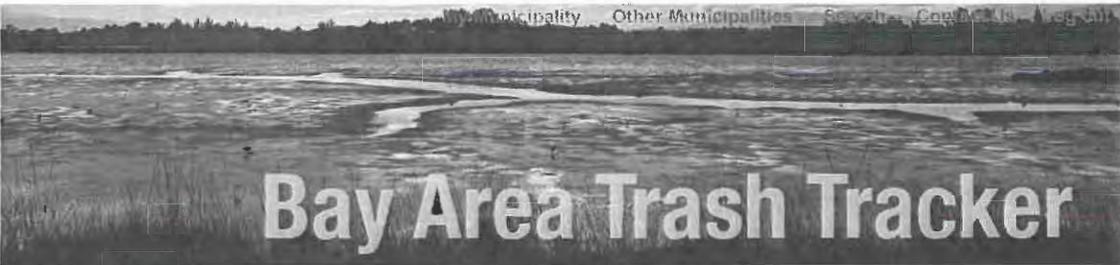
Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 51 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	12.0
Installation notes:	25.5 cubic foot capacity.



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37.942822,-121.930625 - 07/30/2014

TC-5

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 2%

Maintenance Effort

2 people participated in this maintenance event

Optional Information

Paper Removed: 1%, 0.005 cu.ft.

Sediment Removed: 4%, 0.02 cu.ft.

Leaves/Vegetation Removed: 95%, 0.5 cu.ft.

(6)

Oakhurst Dr. Southeast corner of Oakhurst Dr. and Eagle Peak.



TC – 6 (Eagle Peak Hill)

37.948345,-121.93445

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial, Residential
Catchbasin Dimensions:	H: 65 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	24.0
Installation notes:	32.5 cubic foot capacity.



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37.948345,-121.93445 - 07/30/2014

TC-6

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 2%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Paper Removed: 5%, 0.03 cu.ft.

Sediment Removed: 10%, 0.07 cu.ft.

Leaves/Vegetation Removed: 85%, 0.55 cu.ft.

(7)

Eagle Peak East Southeast corner of Eagle Peak and Oakhurst Dr.



TC – 7 (Eagle Peak Hill)

37.948529,-121.934444

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

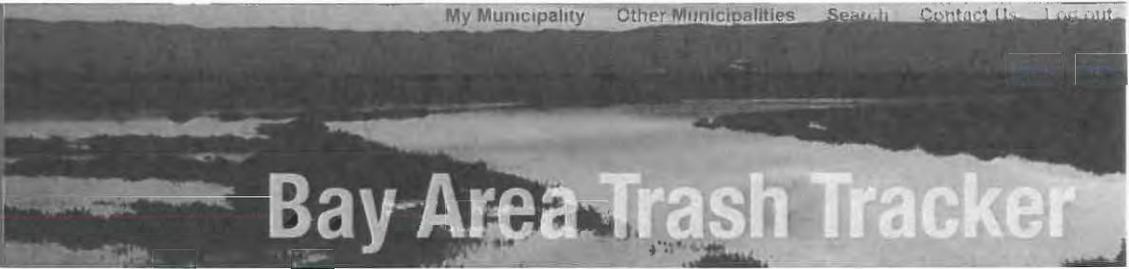
Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial, Residential
Catchbasin Dimensions:	H: 6 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	36 cubic foot capacity.



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37.948529,-121.934444 - 07/30/2014

TC-7

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 5%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Paper Removed: 5%, 0.09 cu.ft.

Sediment Removed: 5%, 0.09 cu.ft.

Leaves/Vegetation Removed: 90%, 1.6 cu.ft.

(8)

Eagle Peak East Northeast corner of Eagle Peak and Oakhurst Dr.



TC – 8 (Eagle Peak Hill)

37.948648,-121.934663

Small Full Trash Capture Device

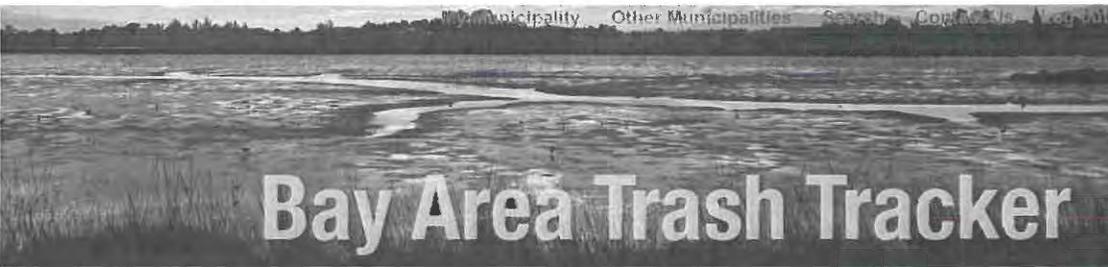
Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial, Residential
Catchbasin Dimensions:	H: 7 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	32 cubic foot capacity.



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37.948648,-121.934663 - 07/30/2014

TC-8

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Maintenance Effort

2 people participated in this maintenance event

(9)

Oakhurst Dr. Northeast corner of Oakhurst Dr. and Eagle Peak.



TC – 9 (Eagle Peak Hill)

37.948621,-121.934939

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

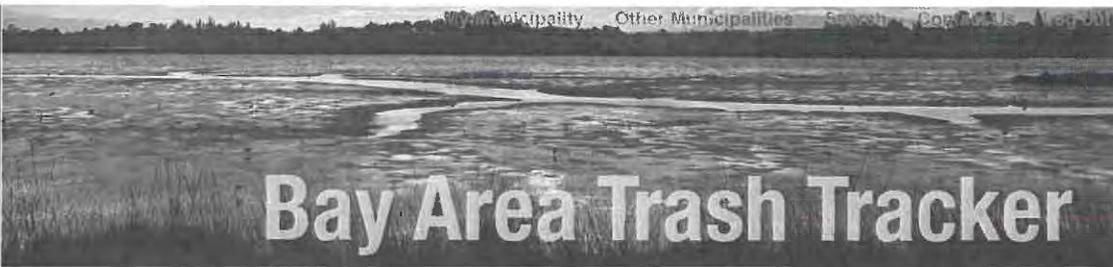
Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial, Residential
Catchbasin Dimensions:	H: 5 ft. ft./in. W: 3 ft. ft./in. H: 4 ft. ft./in.
Outflow pipe diameter:	24.0
Installation notes:	42 cubic foot capacity.



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37.948621,-121.934939 - 07/30/2014

TC-9

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 5%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Plastic Removed: 2%, 0.04 cu.ft.

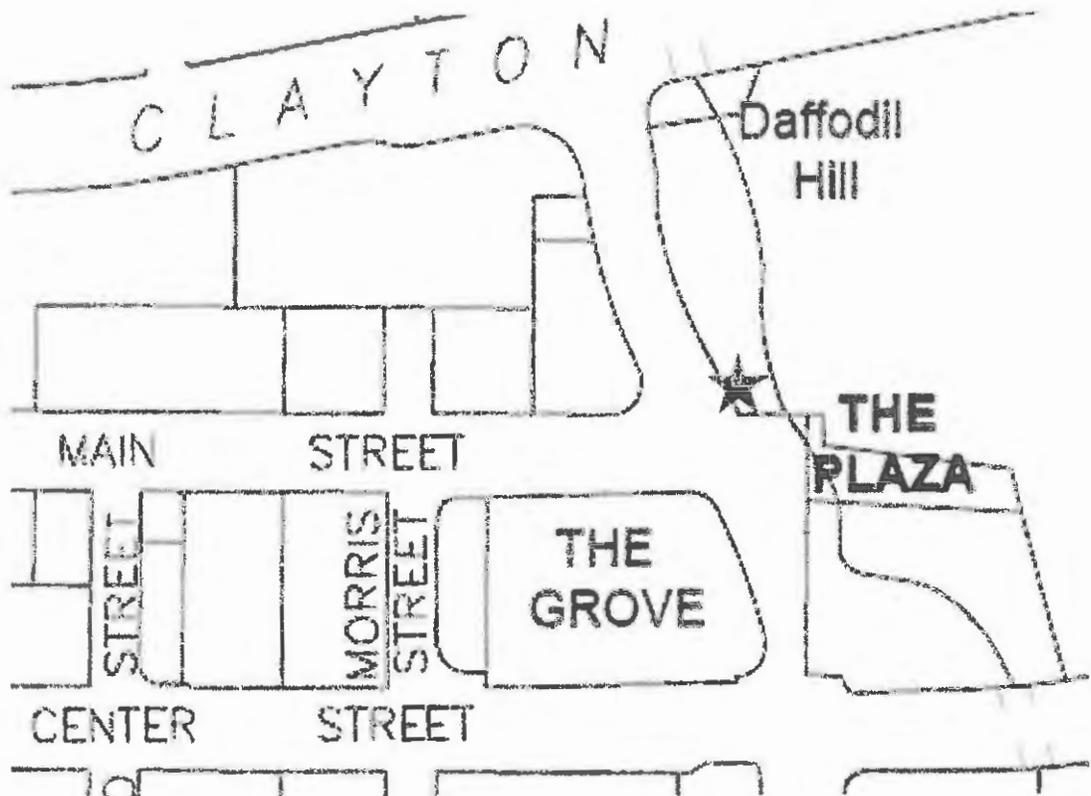
Paper Removed: 3%, 0.06 cu.ft.

Sediment Removed: 10%, 0.2 cu.ft.

Leaves/Vegetation Removed: 65%, 1.8 cu.ft.

(10)

Old Marsh Creek Rd Northeast corner Old Marsh Creek Rd and Main St. by Kiosk.



TC – 10 (Old Marsh by Plaza)

37.941247,-121.933722

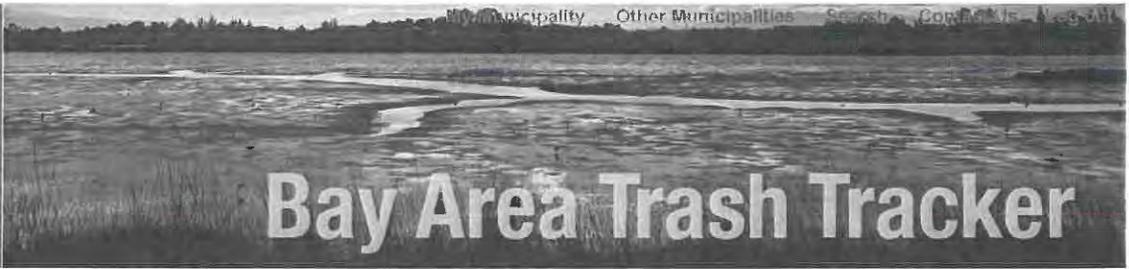
Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/16/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 6 ft. ft./in. W: 4 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	72 cubic foot capacity.

No pictures taken in Sept 2014



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37.941247,-121.933722 - 07/30/2014

TC-10

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 5%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Plastic Removed: 3%, 0.1 cu.ft.

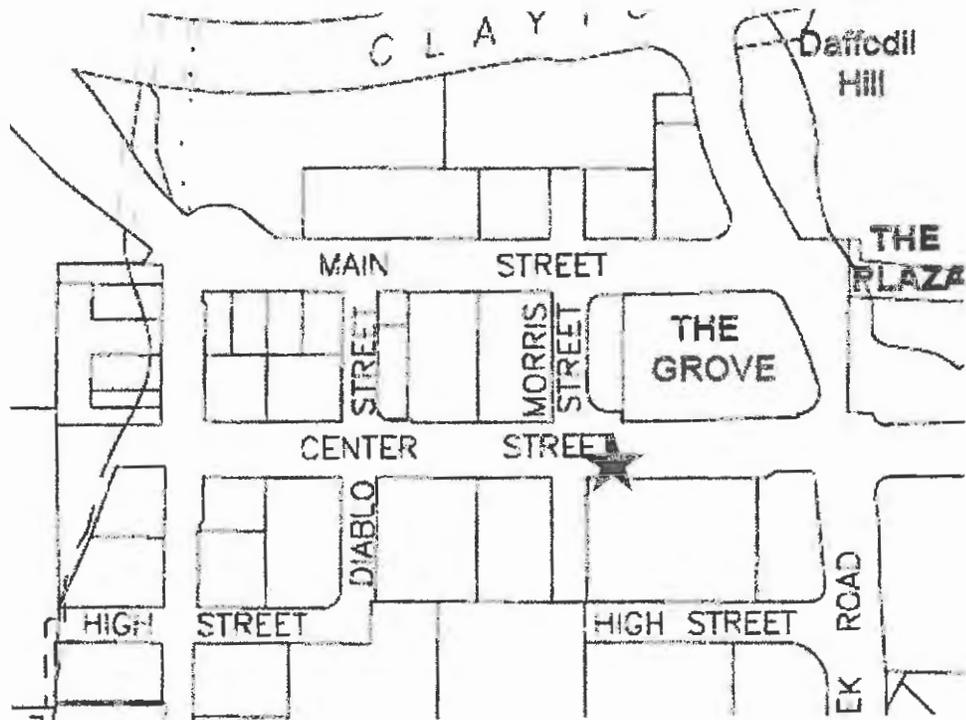
Paper Removed: 2%, 0.07 cu.ft.

Sediment Removed: 5%, 0.2 cu.ft.

Leaves/Vegetation Removed: 90%, 3.2 cu.ft.

(11)

Center St. Southeast corner of Center St. and Morris St.



TC – 11 (Center & Norris Downtown)

37.940506,-121.934722

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

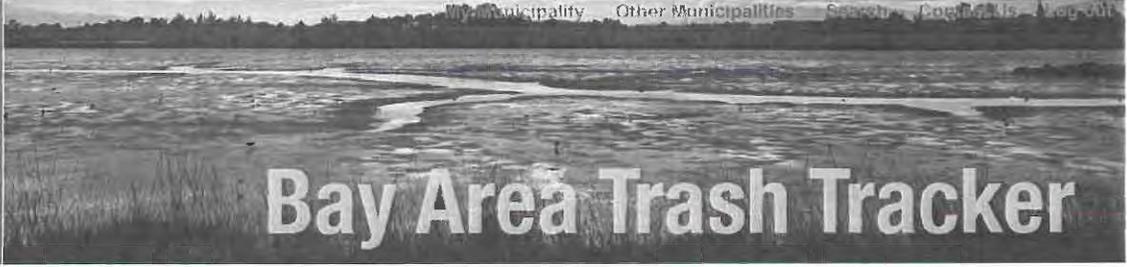
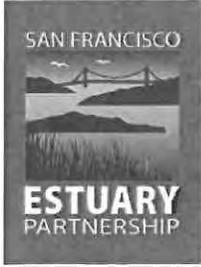
Municipality:	Clayton
Date Installed:	8/16/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 4 ft. ft./in. W: 3 ft. ft./in. H: 4 ft. ft./in.
Outflow pipe diameter:	12.0
Installation notes:	48 cubic foot capacity.



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37.940506,-121.934722 - 07/30/2014

TC-01

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 10%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional information

Plastic Removed: 10%, 0.48 cu.ft.

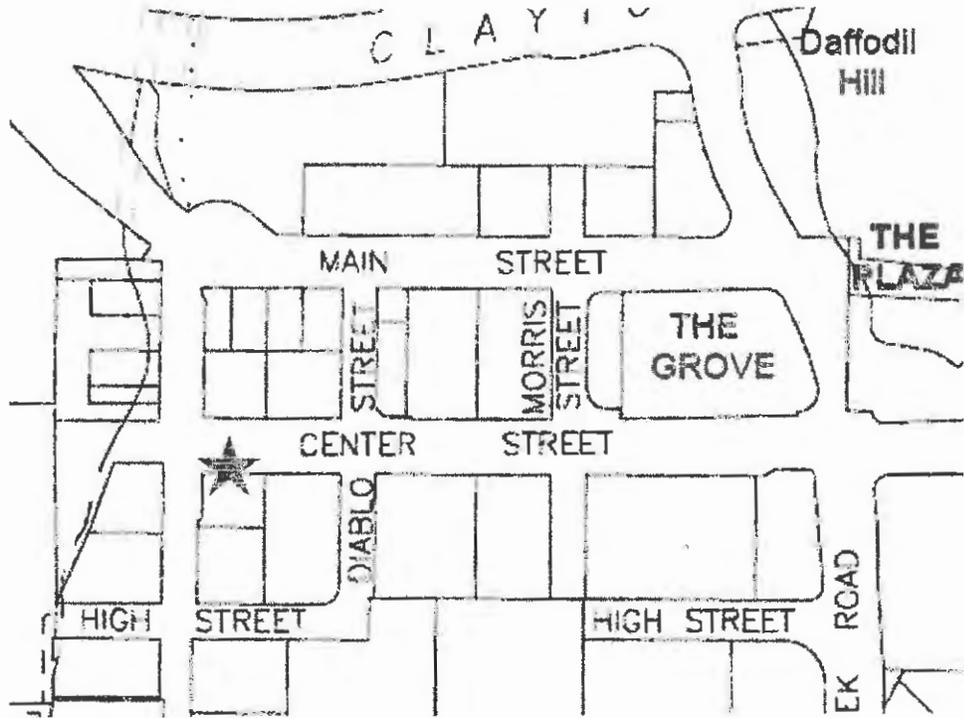
Paper Removed: 10%, 0.48 cu.ft.

Sediment Removed: 5%, 0.24 cu.ft.

Leaves/Vegetation Removed: 75%, 3.6 cu.ft.

(12)

Center St. Southside in front of 6008 Center St. Endeavor Hall.



TC – 12 (Endeavor Hall)

37.940498,-121.936591

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/16/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 55 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	28 cubic foot capacity.



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37.940498,-121.936591 - 07/30/2014

TC-12

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 2%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

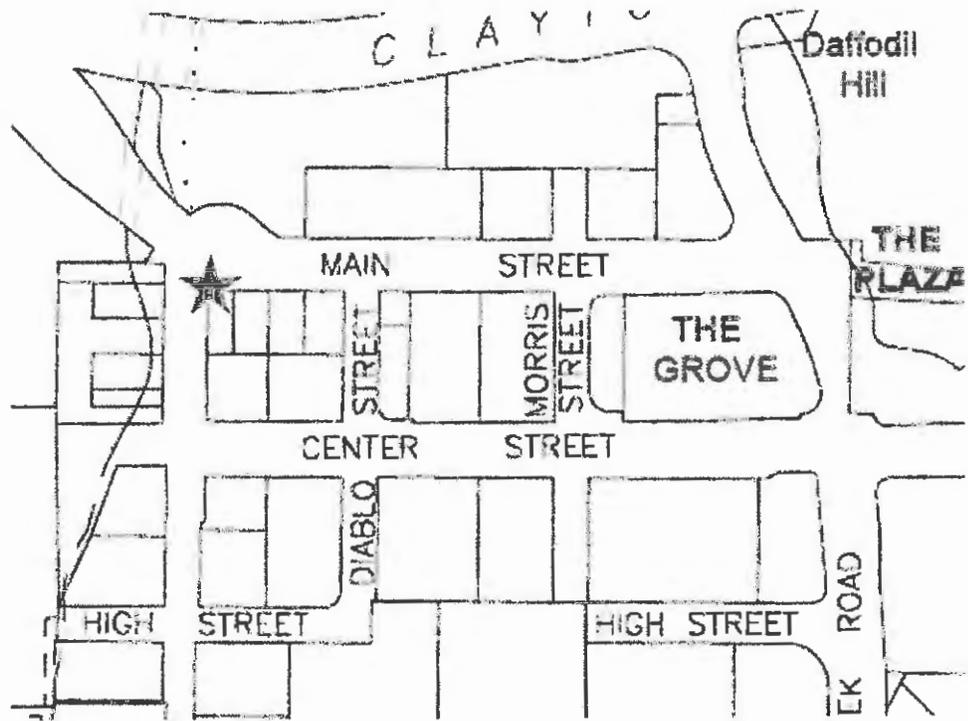
Paper Removed: 2%, 0.01 cu.ft.

Sediment Removed: 8%, 0.05 cu.ft.

Leaves/Vegetation Removed: 90%, 0.5 cu.ft.

(13)

Oak St. Southeast corner of Oak St. and Main St.



TC – 13 (Oak & Main Downtown)

37.941169,-121.936705

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:

Clayton

Date Installed:

8/20/12

Land Use:

Commercial

Catchbasin Dimensions:

H: 27 in. ft./in. W: 4 ft. ft./in. H: 4 ft. ft./in.

Installation notes:

36 cubic foot capacity.



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TC-13

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 10%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Plastic Removed: 2%, 0.07 cu.ft.

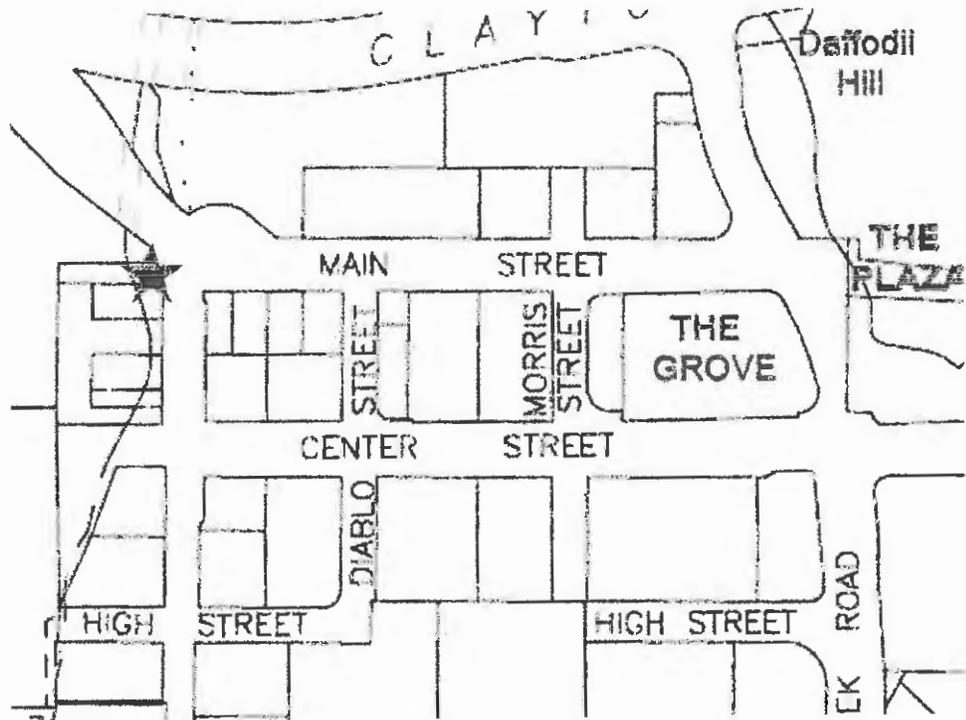
Paper Removed: 8%, 0.3 cu.ft.

Sediment Removed: 5%, 0.2 cu.ft.

Leaves/Vegetation Removed: 85%, 3.1 cu.ft.

(14)

Oak St Southwest corner of Oak St. and Main St.



TC – 14 (Oak & Main Downtown)

37.941178,-121.936797

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

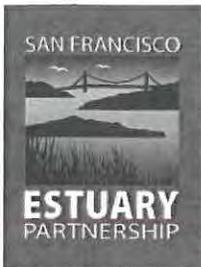
Municipality:	Clayton
Date Installed:	8/20/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 5 ft. ft./in. W: 3 ft. ft./in. H: 4 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	60 cubic foot capacity



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37.941178,-121.936797 - 07/30/2014

TC-14

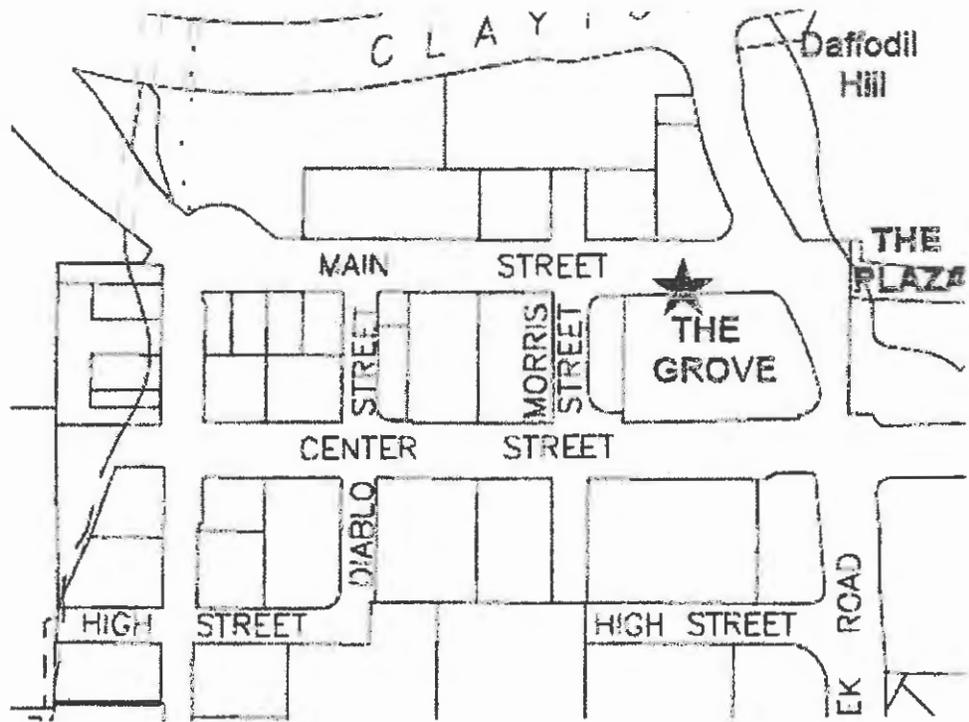
[View 37.941178,-121.936797 →](#)
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Edit Maintenance Event

<p>Reason for inspection/maintenance</p> <p>Regular scheduled maintenance</p>
<p>Condition of Device</p> <p>Intact, not damaged</p> <p>Estimate percentage of catch basin full: 5%</p>
<p>Maintenance Effort</p> <p>2 people participated in this maintenance event</p> <p>Equipment used for trash removal:</p> <ul style="list-style-type: none"> • Manual/Shovels/Clamshell
<p>Optional Information</p> <p>Plastic Removed: 2%, 0.06 cu.ft.</p> <p>Sediment Removed: 3%, 0.1 cu.ft.</p> <p>Leaves/Vegetation Removed: 95%, 2.9 cu.ft.</p>

(15)

Main St. Southside 120' west of Old Marsh Creek Rd and Main St by The Grove.



TC – 15 (Main St by the Grove Park)

37.941183,-121.93423

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

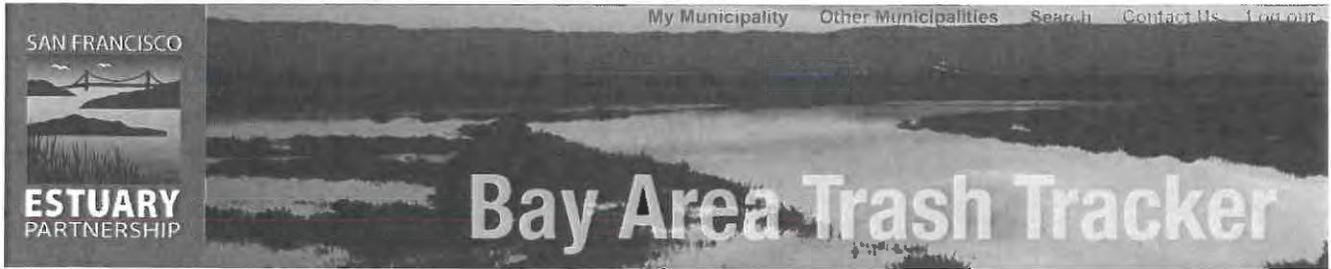
Municipality:	Clayton
Date Installed:	8/16/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 5 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	15.0
Installation notes:	30 cubic foot capacity.



9/30/2014 Delete



9/30/2014 Delete



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37.941183,-121.93423 - 07/30/2014

TC-15

[View 37.941183,-121.93423 →](#)
[View Municipality Page for Clayton, CA →](#)

Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 2%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

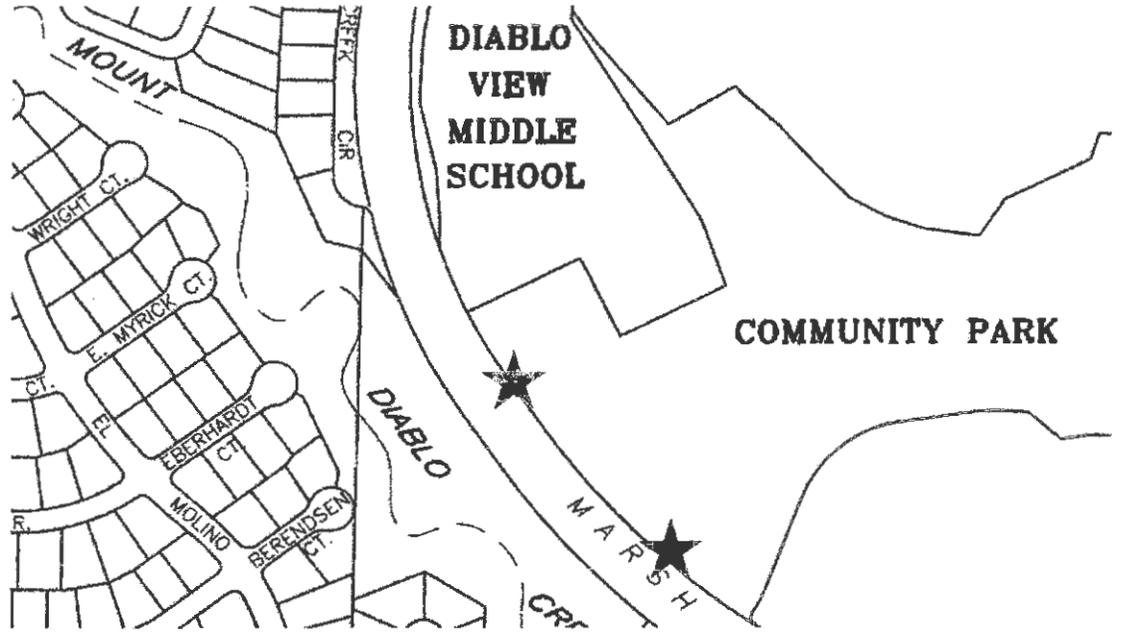
Optional Information

Sediment Removed: 5%, 0.03 cu.ft.

Leaves/Vegetation Removed: 95%, 0.6 cu.ft.

(16 & 17)

Marsh Creek Rd Eastside approx. 400 & 600 feet North of Regency Drive



TC – 16 (MCR East by Community Park)

37.927955,-121.921534

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Park
Catchbasin Dimensions:	H: 7 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	24.0
Installation notes:	42 cubic foot capacity.



9/24/2014 Delete



9/24/2014 Delete



9/30/2014 Delete



7/18/2015 Delete



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37.927955,-121.921534 - 07/30/2014

TC-16

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 5%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Vector Truck

Estimated cost of maintenance event: \$200

Optional Information

Paper Removed: 2%

Sediment Removed: 8%

Leaves/Vegetation Removed: 90%

TC – 17 (MCR by Community Park)

37.928253,-121.9211887

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Park
Catchbasin Dimensions:	H: 7 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	24.0
Installation notes:	42 cubic foot capacity.



9/30/2014 Delete



9/30/2014 Delete



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37.928253,-121.9211887 - 07/30/2014

TC-17

[View 37.928253,-121.9211887 →](#)
[View Municipality Page for Clayton, CA →](#)

Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 2%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

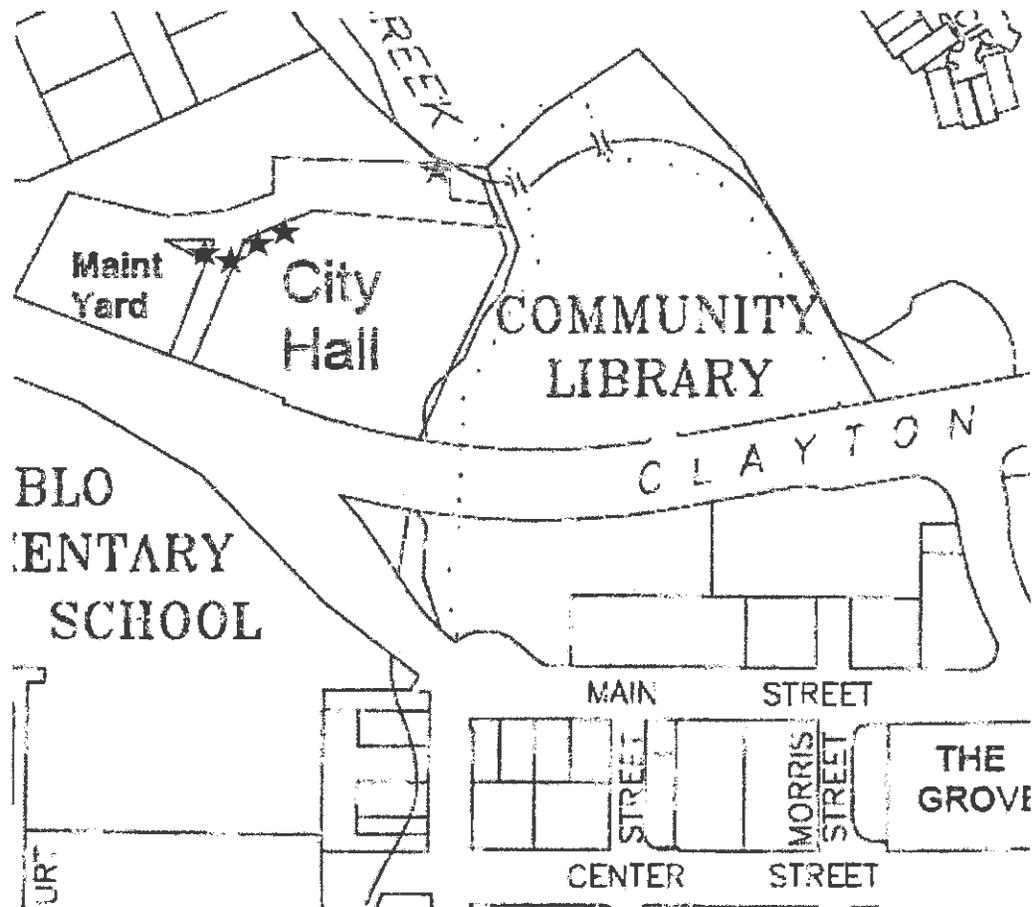
Optional Information

Sediment Removed: 30%, 0.3 cu.ft.

Leaves/Vegetation Removed: 70%, 0.6 cu.ft.

(18, 19, 20, 21, 22)

City Hall Parking Lot .



TC – 18 (City Hall hill)

37.942823,-121.937473

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/16/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 4 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	12.0
Installation notes:	24 cubic foot capacity.



9/30/2014 Delete



9/30/2014 Delete



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37.942823,-121.937473 - 07/30/2014

TC-18

[View 37.942823,-121.937473 →](#)
[View Municipality Page for Clayton, CA →](#)

Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 10%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Paper Removed: 2%, 0.05 cu.ft.

Sediment Removed: 8%, 0.2 cu.ft.

Leaves/Vegetation Removed: 90%, 2.2 cu.ft.

TC – 19 (City Hall hill)

37.942782,-121.937442

Small Full Trash Capture Device

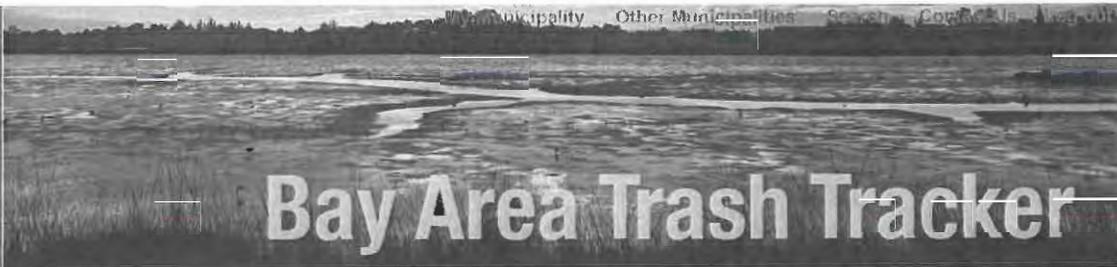
Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 4 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	12.0
Installation notes:	24 cubic foot capacity.



9/30/2014 Delete



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37.942782,-121.937442 - 07/30/2014

TC-19

[View 37.942782,-121.937442 →](#)
[View Municipality Page for Clayton, CA →](#)

Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 5%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Sediment Removed: 5%, 0.06 cu.ft.

Leaves/Vegetation Removed: 95%, 1.5 cu.ft.

TC – 20 (Police parking entrance)

37.942764,-121.937326

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

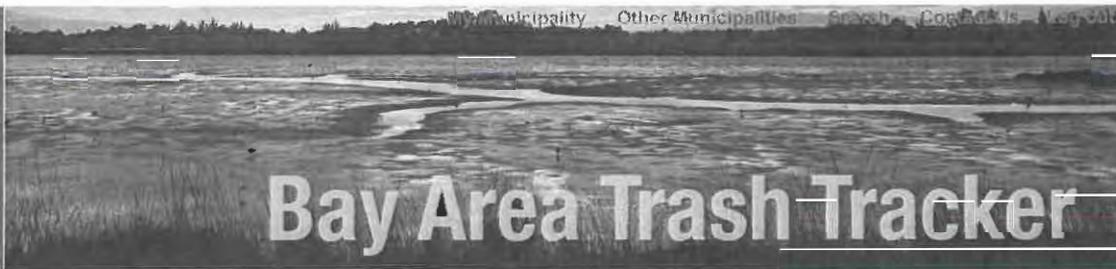
Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 50 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	12.0
Installation notes:	25 cubic foot capacity.



9/30/2014 Delete



9/30/2014 Delete



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37.942764,-121.937326 - 07/30/2014

TC-20

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[View Municipality Page for Clayton, CA →](#)

Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 10%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Sediment Removed: 5%, 0.1 cu.ft.

Leaves/Vegetation Removed: 95%, 2.4 cu.ft.

TC – 21 (Police parking entrance)

37.942779,-121.937267

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 50 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	12.0
Installation notes:	25 cubic foot capacity.

No pictures taken Sept 2014



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37.942779,-121.937267

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

View all installations for this device

Funded by SFEP

Municipality: **Clayton**
 Date Installed: **8/15/12**
 Land Use: **Commercial**
 Catchbasin Dimensions: **H: 50 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.**
 Outflow pipe diameter: **12.0**
 Installation notes: **25 cubic foot capacity.**

Maintenance Events

[Add Event](#) [Export](#)

07/26/2013

07/09/2015



7/31/2013 Delete



7/31/2013 Delete



7/31/2013 Delete



7/18/2015 Delete



7/18/2015 Delete



7/18/2015 Delete

July 2014 photo's + data missing

No inspection shown in 2014 – TC- 21 Police parking entrance I

37.942779, -121.937267

Small Full Trash Capture Device
Device ID USW-1, Connector Pipe Screen
View all installations for this device

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 50 in. H./in. W: 2 ft. H./in. H: 3 ft. H./in.
Outflow pipe diameter:	12.0
Installation notes:	25 cubic foot capacity.

Maintenance Events
Add Event Export
07/26/2013
07/09/2015

Map

Page: 1 of 1 Words: 22

6:17 PM 9/15/2015

TC – 22 (City Hall Parking lot)

37.942801,-121.936693

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:	Clayton
Date Installed:	8/15/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 42 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	12.0
Installation notes:	21 cubic foot capacity.



9/30/2014 **Delete**



9/30/2014 **Delete**



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37.942801,-121.936693 - 07/30/2014

TC-22

[View 37.942801,-121.936693](#) →
[View Municipality Page for Clayton, CA](#) →

Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 2%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

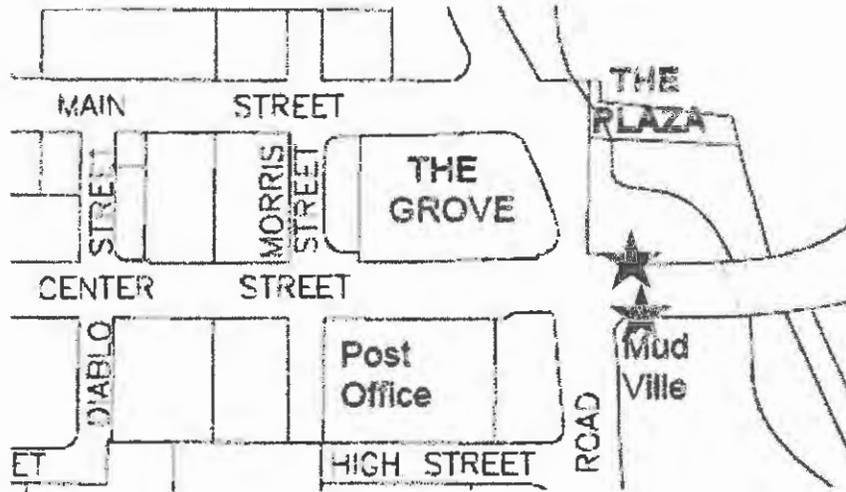
- Manual/Shovels/Clamshell

Optional Information

Sediment Removed: 5%, 0.02 cu.ft.

Leaves/Vegetation Removed: 95%, 0.4 cu.ft.

(23, 24)
Center St by Mudville Grill



TC – 23 (Across from Mudville Grill)

37.940625,-121.933251

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

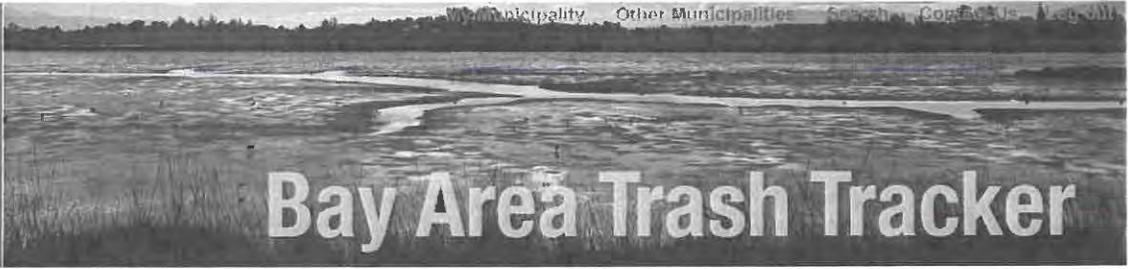
Municipality:	Clayton
Date Installed:	8/16/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 5 ft. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	36.0
Installation notes:	30 cubic foot capacity.



9/30/2014 Delete



9/30/2014 Delete



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37.940625,-121.933251 - 07/30/2014

TC-23

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[View Municipality Page for Clayton, CA →](#)

Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 2%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Sediment Removed: 5%, 0.03 cu.ft.

Leaves/Vegetation Removed: 95%, 0.6 cu.ft.

TC – 24 (Mudville Grill)

37.940467,-121.933244

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

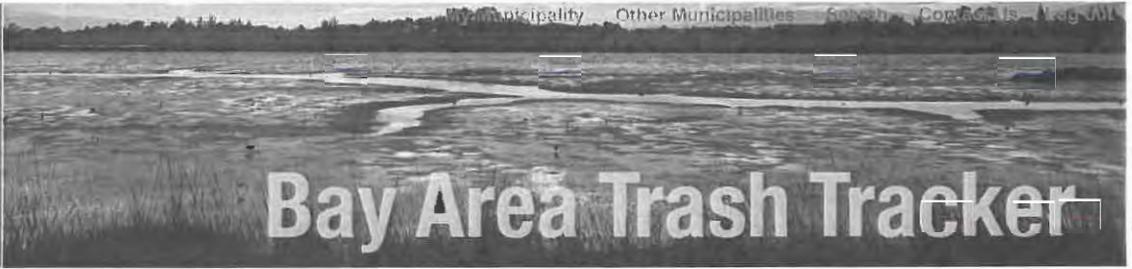
Municipality:	Clayton
Date Installed:	8/16/12
Land Use:	Commercial
Catchbasin Dimensions:	H: 52 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.
Outflow pipe diameter:	36.0
Installation notes:	26 cubic foot capacity.



9/30/2014 Delete



9/30/2014 Delete



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37.940467,-121.933244 - 07/30/2014

TC-24

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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 5%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

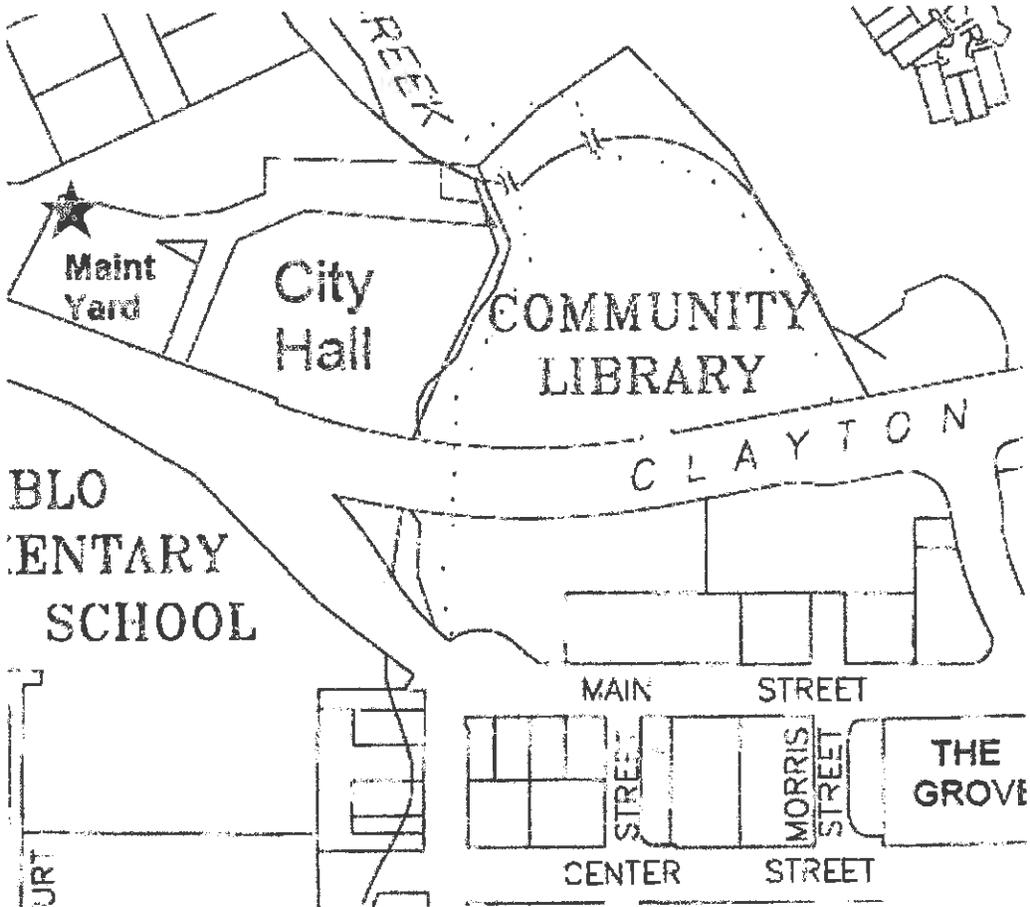
Plastic Removed: 2%, 0.03 cu.ft.

Paper Removed: 3%, 0.04 cu.ft.

Sediment Removed: 5%, 0.07 cu.ft.

Leaves/Vegetation Removed: 90%, 1.2 cu.ft.

25
City Maint Yard



TC – 25 (Corp Yard)

37.943211, -121.938488

Small Full Trash Capture Device

Device ID USW-1, Connector Pipe Screen

Funded by SFEP

Municipality:

Clayton

Date Installed:

November 2012

Land Use:

Commercial

Catchbasin Dimensions:

H: 30 in. ft./in. W: 2 ft. ft./in. H: 3 ft. ft./in.

Installation notes:

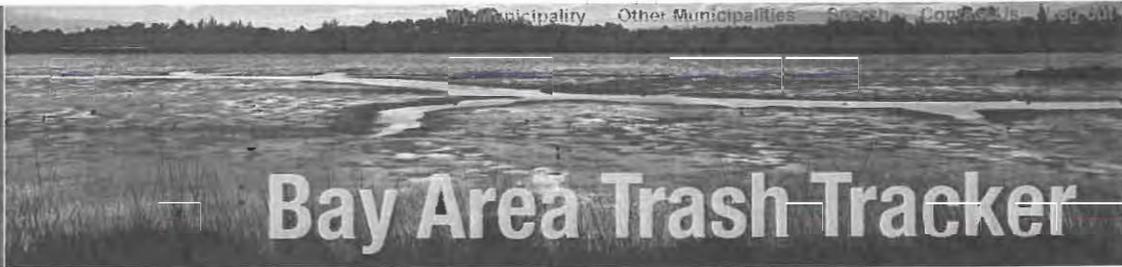
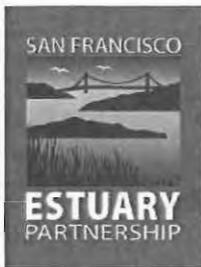
15 cubic feet capacity



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37.943216 - 121.938488

TC-25

6000 Cardinet Drive - 07/30/2014

[View 6000 Cardinet Drive →](#)
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Edit Maintenance Event

Reason for inspection/maintenance

Regular scheduled maintenance

Condition of Device

Intact, not damaged

Estimate percentage of catch basin full: 25%

Maintenance Effort

2 people participated in this maintenance event

Equipment used for trash removal:

- Manual/Shovels/Clamshell

Optional Information

Plastic Removed: 5%, 0.2 cu.ft.

Paper Removed: 10%, 0.4 cu.ft.

Sediment Removed: 5%, 0.2 cu.ft.

Leaves/Vegetation Removed: 80%, 3 cu.ft.

July
TRASH CAPTURE DEVICE 2015 TOTALS

TRASH CAPTURE #	CAPACITY CU. FT.	PERCENTAGE FULL	MAN HOURS	CONTRACT \$	PLASTIC CU. FT.	PAPER CU. FT.	SEDIMENT CU. FT.	METAL CU. FT.	VEGETATION CU. FT.	GLASS CU. FT.	OTHER CU. FT.	<i>c.u.ft. TOTAL</i>
TC-1	30	5%	1	0	0.03	0.03	0.38	0.02	1.1	0	0	<i>1.56</i>
TC-2	25.5	2%	1	0	0.001	0.001	0.2	0	0.3	0	0	<i>.50</i>
TC-3	25.5	2%	1	0	0.001	0.001	0.05	0	0.45	0	0	<i>.50</i>
TC-4	72	10%	2	0	0.07	0.22	1.44	0	5.5	0	0	<i>7.23</i>
TC-5	25.5	5%	2	0	0	0.01	1.02	0	0.24	0	0	<i>1.27</i>
TC-6	32.5	5%	1	0	0.02	0.03	0.33	0	1.25	0	0	<i>1.63</i>
TC-7	36	5%	1	0	0.02	0.04	0.8	0	0.9	0	0	<i>1.76</i>
TC-8	32	1%	1	0	0	0	0.06	0	0.26	0	0	<i>.32</i>
TC-9	42	5%	1	0	0.02	0.04	0.42	0	1.6	0	0	<i>2.08</i>
TC-10	72	2%	2	0	0.01	0.01	0.29	0	1.1	0	0	<i>1.41</i>
TC-11	48	5%	1	0	0.05	0.05	0.37	0.02	1.9	0	0	<i>3.80</i>
TC-12	28	5%	1	0	0.03	0.03	0.57	0	0.8	0	0	<i>1.43</i>
TC-13	36	10%	2	0	0.04	0.07	1.44	0	2	0	0	<i>3.55</i>
TC-14	60	2%	2	0	0.01	0.02	0.12	0	1	0	0	<i>1.15</i>
TC-15	30	5%	1	0	0.03	0.03	1	0	0.55	0	0	<i>1.61</i>
TC-16	42	2%	1	0	0	0	0.17	0	0.68	0	0	<i>.85</i>
TC-17	42	5%	2	0	0	0	1.27	0	0.84	0	0	<i>2.11</i>
TC-18	24	2%	1	0	0	0.24	0	0	0.24	0	0	<i>.48</i>
TC-19	24	5%	1	0	0	0.24	0.6	0	0.58	0	0	<i>1.42</i>
TC-20	25	5%	1	0	0.01	0.01	0.19	0	1.04	0	0	<i>1.25</i>
TC-21	25	5%	1	0	0.01	0.01	0.13	0	1.1	0	0	<i>1.25</i>
TC-22	21	5%	1	0	0	0	0.32	0	0.74	0	0	<i>1.06</i>
TC-23	30	10%	1	0	0.03	0.03	1.44	0	1.5	0	0	<i>3.00</i>
TC-24	26	10%	1	0	0.03	0.03	1.8	0	1.2	0	0	<i>3.06</i>
TC-25	15	10%	1	0	0.05	0.05	0.8	0.02	0.6	0	0	<i>1.52</i>
TOTALS			31	0	0.46	1.2	15.21	0.06	27.47	0	0	44.40

Attachment IDca
(July 2015)



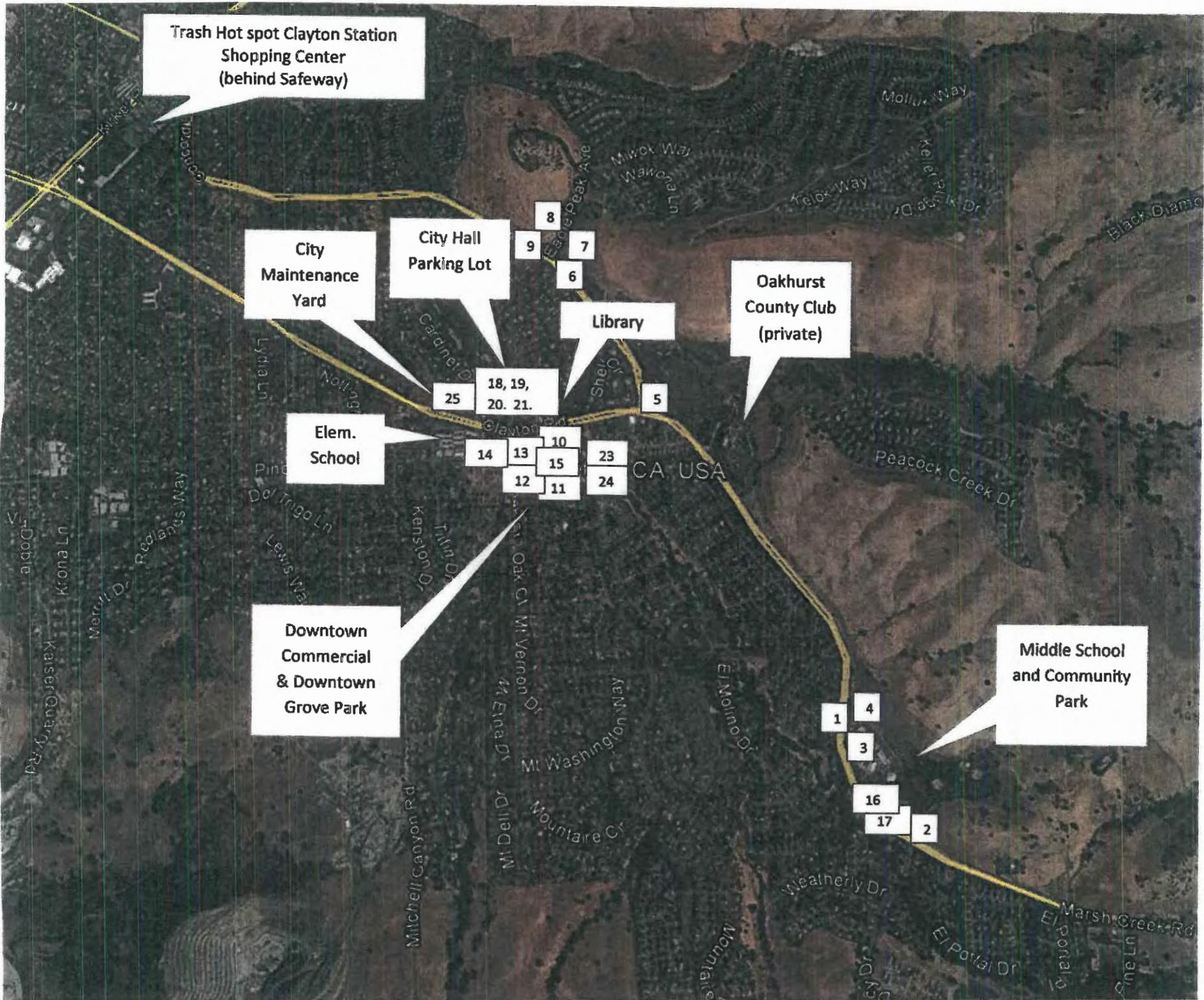
TRASH CAPTURE LOCATIONS

- 1) Marsh Creek Rd. Westside approximately 400" South of Old Marsh Creek Rd. and Clayton Rd.

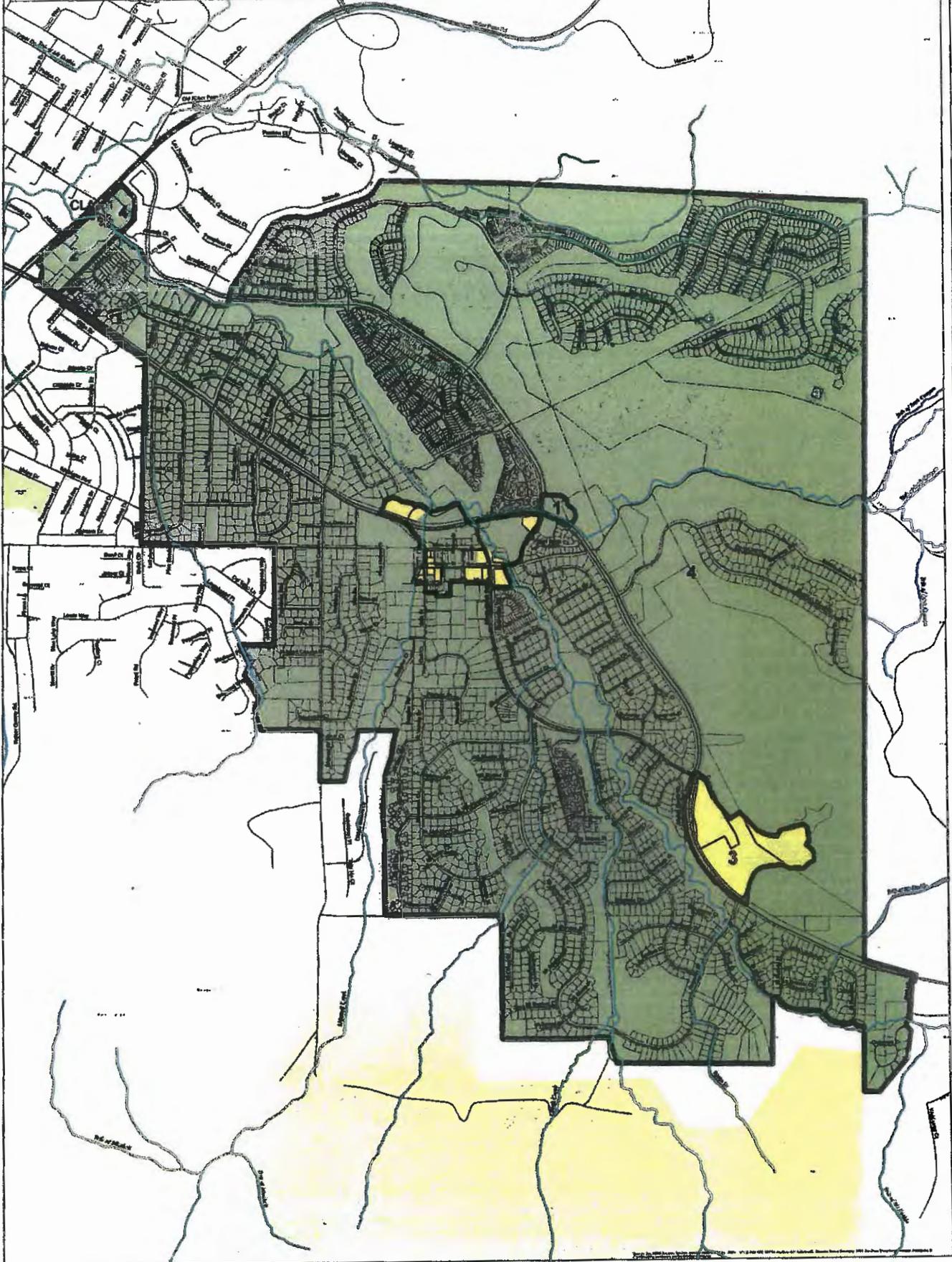
This catch basin is by Diablo View Middle School across from street light #1175S.

- 2) Marsh Creek Rd. Northeast corner of Marsh Creek Rd. and Regency Dr. by the community park.
- 3) Marsh Creek Rd. Eastside approximately 400' North of Old Marsh Creek Rd. and Clayton Rd. by Diablo View Middle School across from street light #1175N.
- 4) Marsh Creek Rd. Southeast corner of Old Marsh Creek Rd. and Clayton Rd. at Diablo View Middle School entrance.
- 5) Northeast corner of Oakhurst Dr. and Clayton Rd. in front of the Water Feature.
- 6) Oakhurst Dr. Southeast corner of Oakhurst Dr. and Eagle Peak.
- 7) Eagle Peak East Southeast corner of Eagle Peak and Oakhurst Dr.
- 8) Eagle Peak East Northeast corner of Eagle Peak and Oakhurst Dr.
- 9) Oakhurst Dr. Northeast corner of Oakhurst Dr. and Eagle Peak.
- 10) Old Marsh Creek Rd. Northeast corner of Old Marsh Creek Rd. and Main St.

- 11)** Center St. Southeast corner of Center St. and Morris St.
- 12)** Center St. Southside in front of 6008 Center St. Endeavor Hall.
- 13)** Oak St. Southeast corner of Oak St. and Main St.
- 14)** Oak St. Southwest corner of Oak St. and Main St.
- 15)** Main St. Southside 120' west of Main St and Marsh Creek Rd.
- 16)** Marsh Creek Rd East side approximately 400' north of Regency Dr.
- 17)** Marsh Creek Rd East side approximately 600' north of Regency Dr.
- 18)** City Hall parking lot Northeast corner.
- 19)** City Hall parking lot East side of Police parking entrance.
- 20)** City Hall parking lot West side of Police parking entrance.
- 21)** City Hall parking lot East side Heritage Trail at the bottom of hill.
- 22)** City Hall parking lot West side Heritage Trail at the bottom of hill.
- 23)** Center St. Southeast corner by Mudville Grill.
- 24)** Center St. Northeast corner across from Mudville Grill.
- 25)** City Maintenance Yard in the far Northwest corner.



City of Clayton Trash Mangement Areas Map



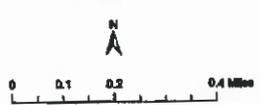
Legend

Trash Generation Category

- Low
- Medium
- High
- Vay High

Other Symbols:

- Creak/Shoreline Hotspot
- Trash Management Area
- Non-Interlocking (Dot odor = Generation Category)
- Street
- Agency Boundary
- Creak
- Parcel Boundary

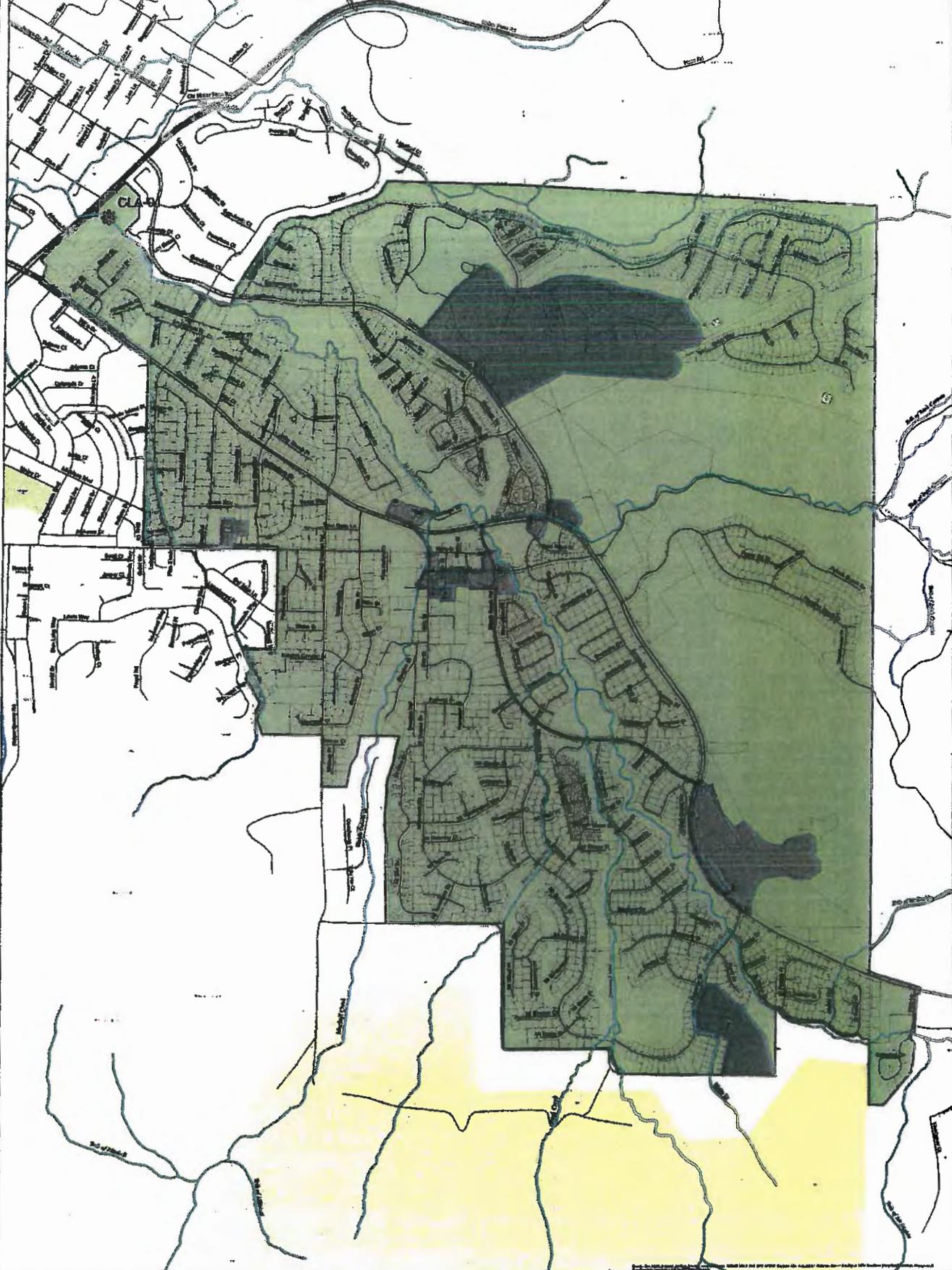


Data Source:
 Roads: Tele Atlas
 City Boundary: Curious Coast County
 Background: ESRI World Topographic Map

Map Created By:
 ECA, Inc.

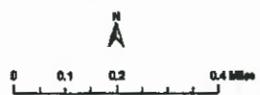
Date:
 November 8th, 2014

City of Clayton Full Trash Capture Map



Legend

Trash Generation Category	● Creek/Shoreline Hotspot	— Street
Low	■ Full-Trap Location	— Agency Boundary
Medium	■ Full-Trap Location	— Creeks
High	■ Non-Jurisdictional (Dot color = Generation Category)	□ Parcel Boundary
Very High		



Data Sources:
 Roads: The Atlas
 City Boundary: Contra Costa County
 Background: ESRI World Topographic Map

Map Created By:
 EDA, Inc.
 Date:
 November 8th, 2014

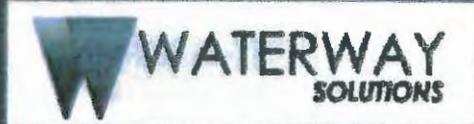
**City of Clayton Master Location
Map of Installed Trash Capture
Devices and Hot Spot Location:
(See Detail maps for more precise
location and ABAG Trash Tracker
Program for GPS location data)**

**Devices are inspected at minimum
of one time per year, more if
needed.**

**They are cleaned based upon the
inspection results and at least one
time per year.**

**All data is inputted into Trash
Tracker program.**

Protect our Waterways, Beaches and Oceans



Stormwater Debris Screens & Filters



Catch Basin Trash Capture Devices: Connector Pipe Screens (CPS)

- Certified "full capture" device by Los Angeles & San Francisco Water Quality Boards
 - Captures all particles > 5 mm
 - Meets hydraulic design standards of > flow rate from 1-year, 1 hour storm and bypass of maximum inlet design capacity
- GRATE and *Wavy* Trash Catchers made from innovative corrugated perforated screen:
 - Meets hydraulic standards in less space
 - Ensures bypass requirement compliance
- Increases catch basin holding capacity:
 - Reduces time intervals between clean-outs & maintenance costs
 - Minimizes flooding potential
- Best (and sometimes only) solution for shallow, narrow, smaller & longer catch basins
- Designed by Mike Soliman, P.E. former Assistant Head, Design Div., LA County Public Works, Flood Control & Water Quality
- Constructed from 304 Stainless Steel: Permanent installations, expected life of 15 -20 years, 5 year warranty.
- Also made in cost-saving, non-leaching, high-strength Plastic.
- Conventional (non-corrugated) Waterway Solutions' Connector Pipe Screens (CPS) available for less-challenging catch basins

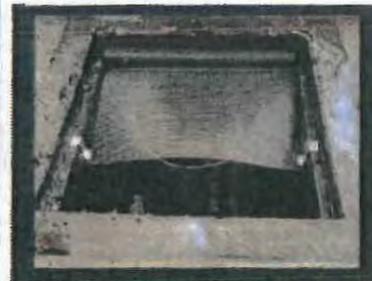


GRATE Trash Catcher™
Wavy Trash Catcher™
Conventional CPS

Trash Capture Devices for
ANY type of Catch Basin!



"Wavy" Corrugated CPS: Increased effectiveness in a smaller footprint

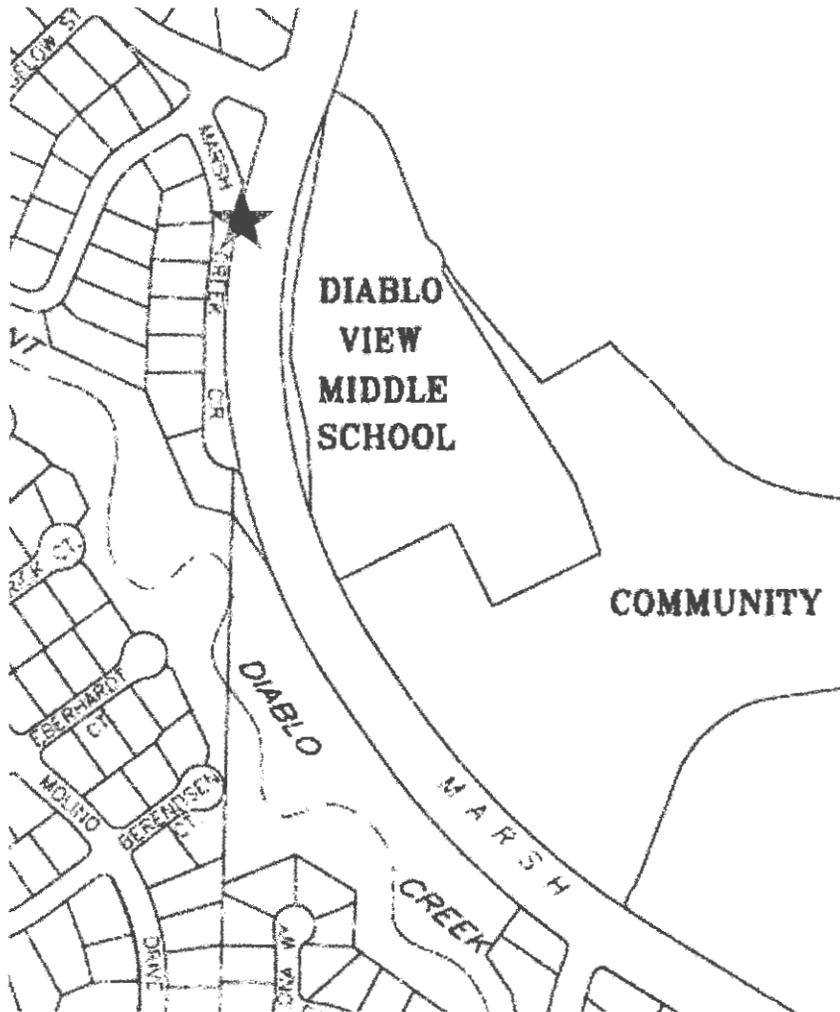


"Grate Trash Catcher" CPS:
Effective in catch basins as
small as 18" x 18" x 18"



TC-1 / Capacity (30 cubic feet)

Marsh Creek Rd. Westside approximately 400' South of Old Marsh Creek Rd. and Clayton Rd. This catch basin is by Diablo View Middle School across from street light #1175S.



TC-1



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Marsh Creek rd West side 400' South of Old Marsh creek Rd and Clayton rd.

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-1 / Capacity (30 cubic feet)

Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-6-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

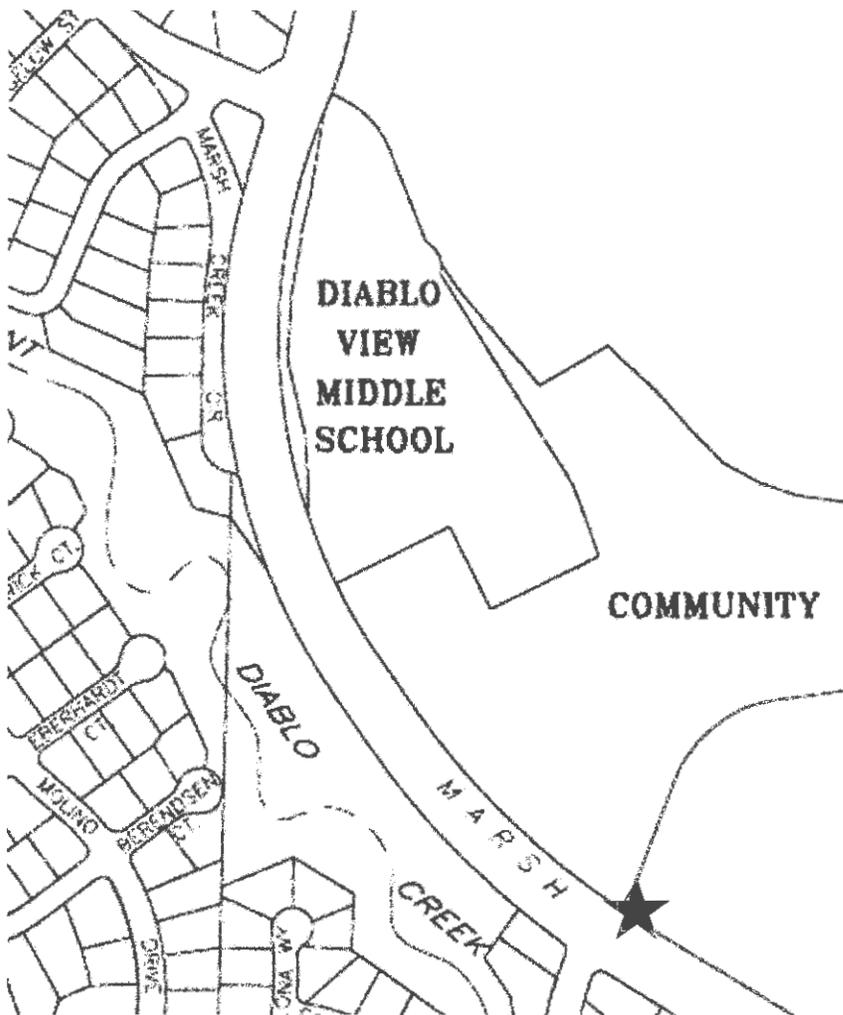
- | | |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>2</u> % <u>.03</u> cubic ft. | <input checked="" type="checkbox"/> Metal <u>1</u> % <u>.02</u> cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.03</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>70</u> % <u>1.1</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>25</u> % <u>.38</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-2 / Capacity (25.5 cubic feet)

Marsh Creek Rd. Northeast corner of Marsh Creek Rd. and Regency Dr. by the community park.



TC-2



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Marsh Creek Rd and Regency Dr

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-2 / Capacity (25.5 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-6-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

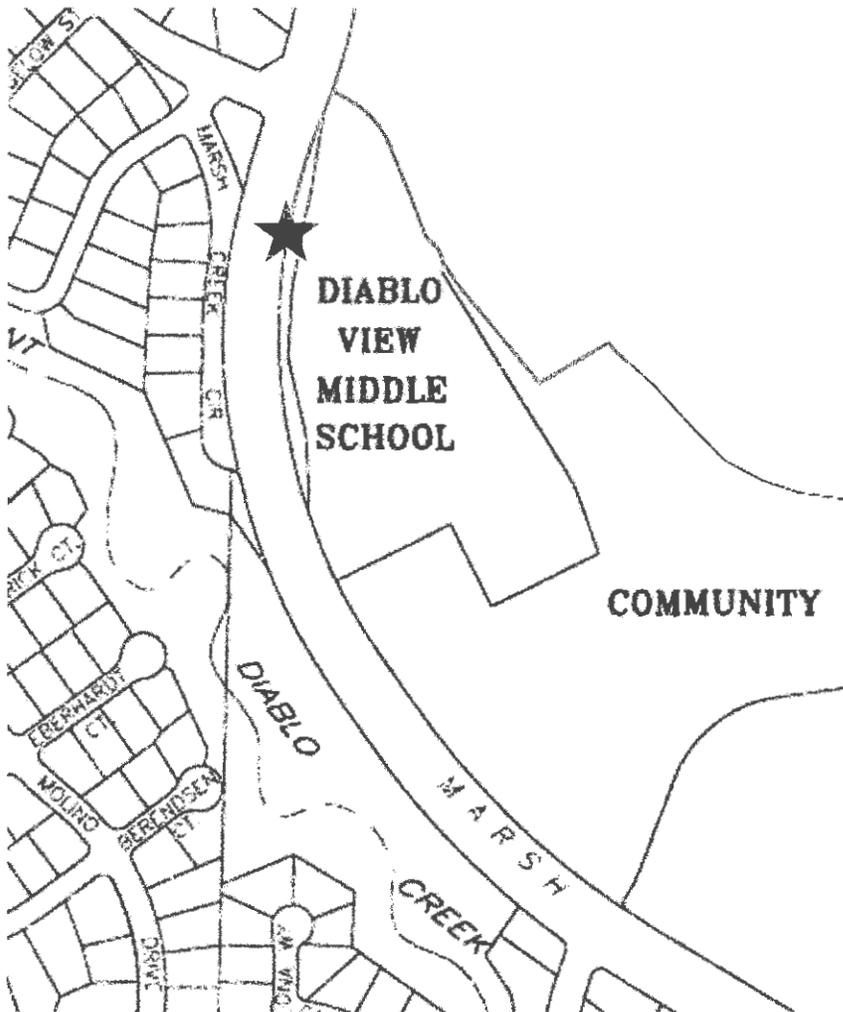
- | | |
|--|---|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.001</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.001</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>58</u> % <u>.3</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>40</u> % <u>.2</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

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Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-3 / Capacity (25.5 cubic feet)

Marsh Creek Rd. Eastside approximately 400' North of Old Marsh Creek Rd. and Clayton Rd. by Diablo View Middle School across from street light #1175N.



TC-3



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrasstracker.org

Address or intersection: Marsh Creek Rd East side 400' North of Old Marsh Creek Rd

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-3 / Capacity (25.5 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-6-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

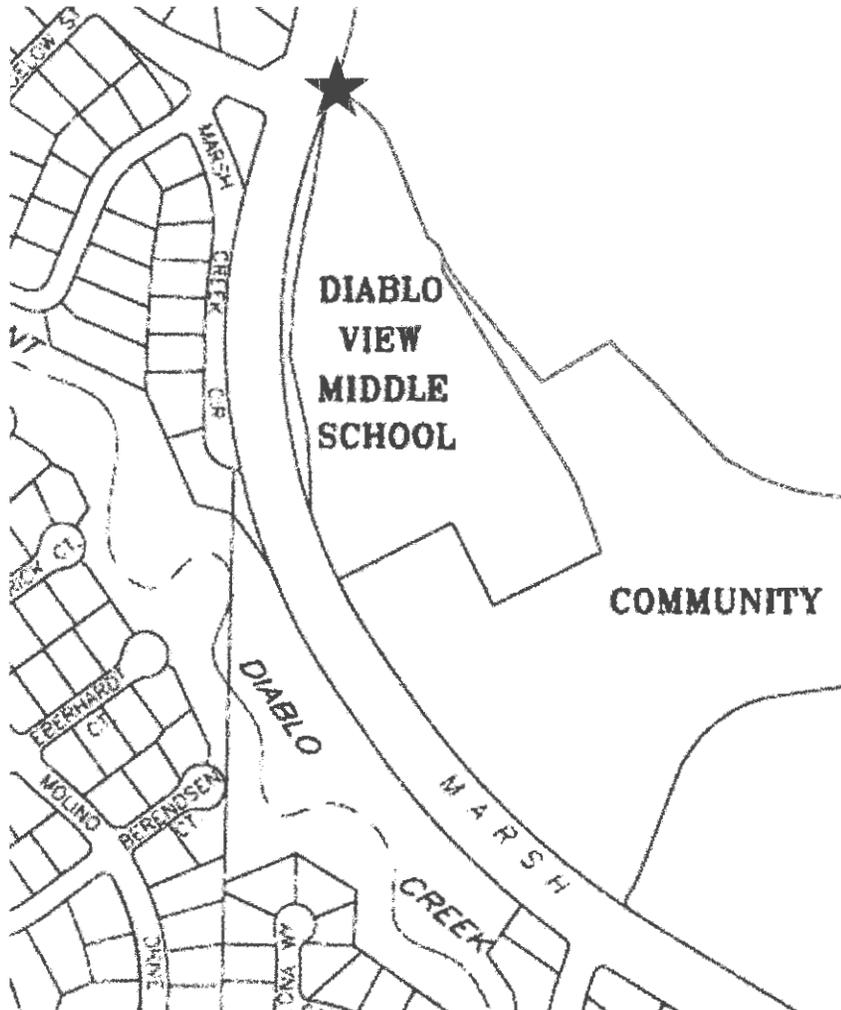
- | | |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.001</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.001</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>88</u> % <u>.45</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>10</u> % <u>.05</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-4 / Capacity (72 cubic feet)

Marsh Creek Rd. Southeast corner of Old Marsh Creek Rd. and Clayton Rd. at Diablo View Middle School entrance.



TC-4



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Marsh Creek Rd SE corner of Old Marsh creek Rd and Clayton Rd

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-4 / Capacity (72 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-6-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 10 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- | | |
|--|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.07</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>3</u> % <u>.22</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>76</u> % <u>5.5</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>20</u> % <u>1.44</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-5 / Capacity (25.5 cubic feet)

Northeast corner of Oakhurst Dr. and Clayton Rd. in front of the Water Feature.



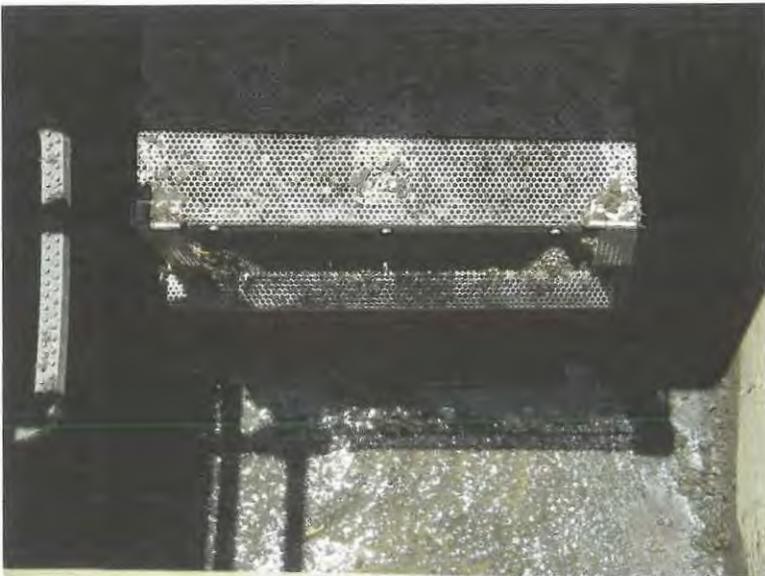
TC-5



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: NE corner of Oakhurst Dr and Clayton Rd

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-5 / Capacity (25.5 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-6-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- | | |
|--|--|
| <input type="checkbox"/> Plastic _____ % _____ cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.01</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>19</u> % <u>.24</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>80</u> % <u>1.02</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

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Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-6 / Capacity (32.5 cubic feet)

Oakhurst Dr. Southeast corner of Oakhurst Dr. and Eagle Peak.



TC-6



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Oakhurst Dr SE corner of Oakhurst Dr and Eagle Peak

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-6 / Capacity (32.5 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-6-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- | | |
|---|---|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.02</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.03</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>77</u> % <u>1.25</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>20</u> % <u>.33</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

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Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-7 / Capacity (36 cubic feet)

Eagle Peak East Southeast corner of Eagle Peak and Oakhurst Dr.



TC-7



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Eagle Peak East SE corner of Eagle Peak and Oakhurst Dr

OPTIONAL SFEP Device ID: _____ Municipal Device ID IC-7 / Capacity (36 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-7-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- | | |
|--|---|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.02</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.04</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>52</u> % <u>.9</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>45</u> % <u>.8</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
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Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-8 / Capacity (32 cubic feet)

Eagle Peak East Northeast corner of Eagle Peak and Oakhurst Dr.



TC-8



BEFORE



MINIMAL DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrasstracker.org

Address or intersection: Eagle Peak East NE corner of Eagle Peak and Oakhurst Dr

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-8 / Capacity (32 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-7-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 1 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- | | |
|---|--|
| <input type="checkbox"/> Plastic _____% _____ cubic ft. | <input type="checkbox"/> Metal _____% _____ cubic ft. |
| <input type="checkbox"/> Paper _____% _____ cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>80</u> % <u>.26</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>20</u> % <u>.06</u> cubic ft. | <input type="checkbox"/> Glass _____% _____ cubic ft. |
| | <input type="checkbox"/> Other _____% _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-9 / Capacity (42 cubic feet)

Oakhurst Dr. Northeast corner of Oakhurst Dr. and Eagle Peak.



TC-9



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Oakhurst Dr NE corner of Oakhurst Dr and Eagle Peak

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-9 / Capacity (42 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-7-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

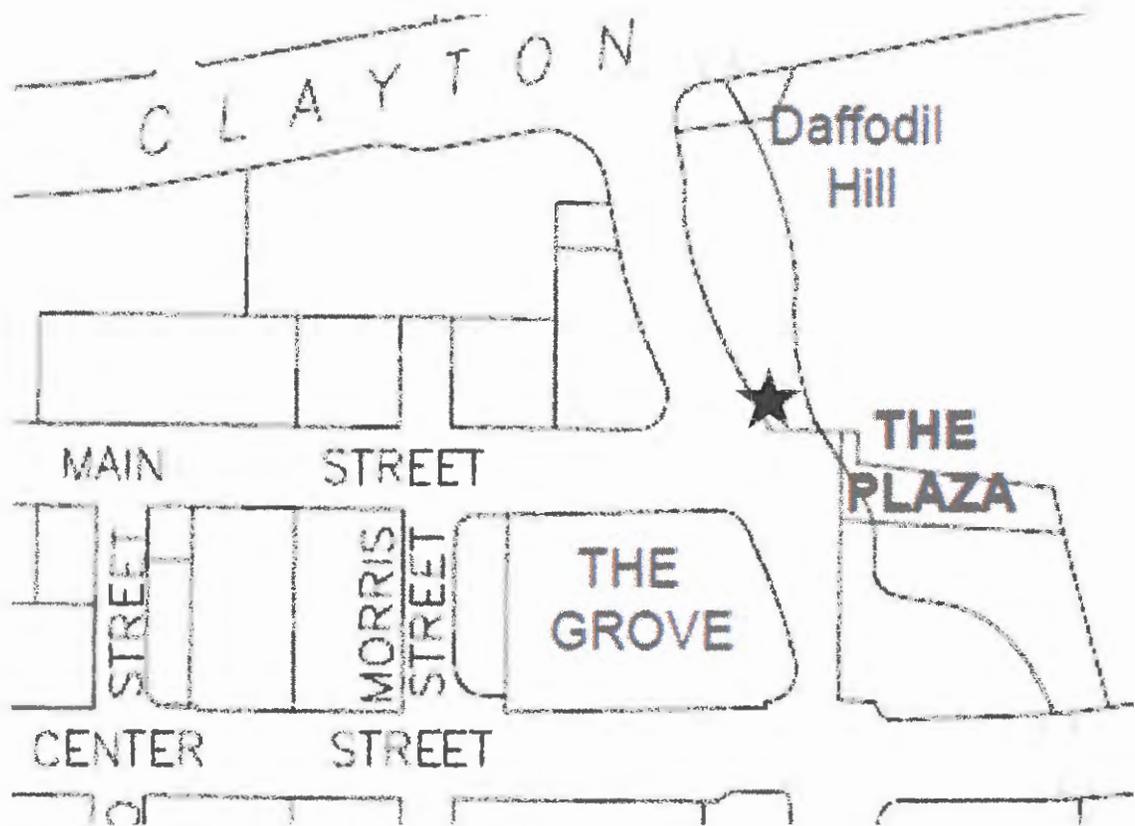
- | | |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.02</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.04</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>77</u> % <u>1.6</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>20</u> % <u>.42</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-10 / Capacity (72 cubic feet)

Old Marsh Creek Rd Northeast corner Old Marsh Creek Rd and Main St. by Kiosk.



TC-10



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Old Marsh Creek Rd NE corner of Old Marsh Creek Rd and Main St

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-10 / Capacity (72 cubic feet)

Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-7-2015

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): _____

Response to complaint (describe): _____

Is device functioning properly?

Yes No (explain): _____

Clogged

Needs repair/adjustment (explain): _____

Evidence of bypass

Condition of device

Intact, not damaged

Damaged or broken part (describe): _____

Missing/vandalized

Estimated percentage of catch basin full: 2 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic 1 % .01 cubic ft.

Metal _____ % _____ cubic ft.

Paper 1 % .01 cubic ft.

Leaves/vegetation 78 % 1.1 cubic ft.

Sediment 20 % .29 cubic ft.

Glass _____ % _____ cubic ft.

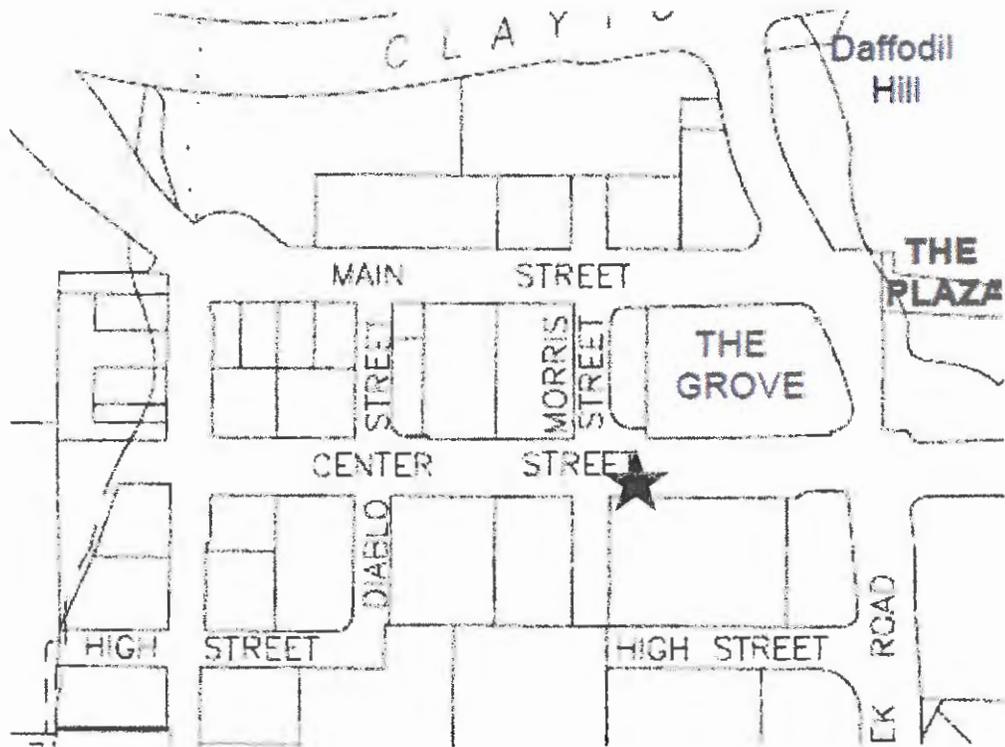
Other _____ ? _____ % _____ cubic ft.

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-11 / Capacity (48 cubic feet)

Center St. Southeast corner of Center St. and Morris St.



TC-11



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrasstracker.org

Address or intersection: Center St SE corner of Center St and Morris St

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-11 / Capacity (48 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-7-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

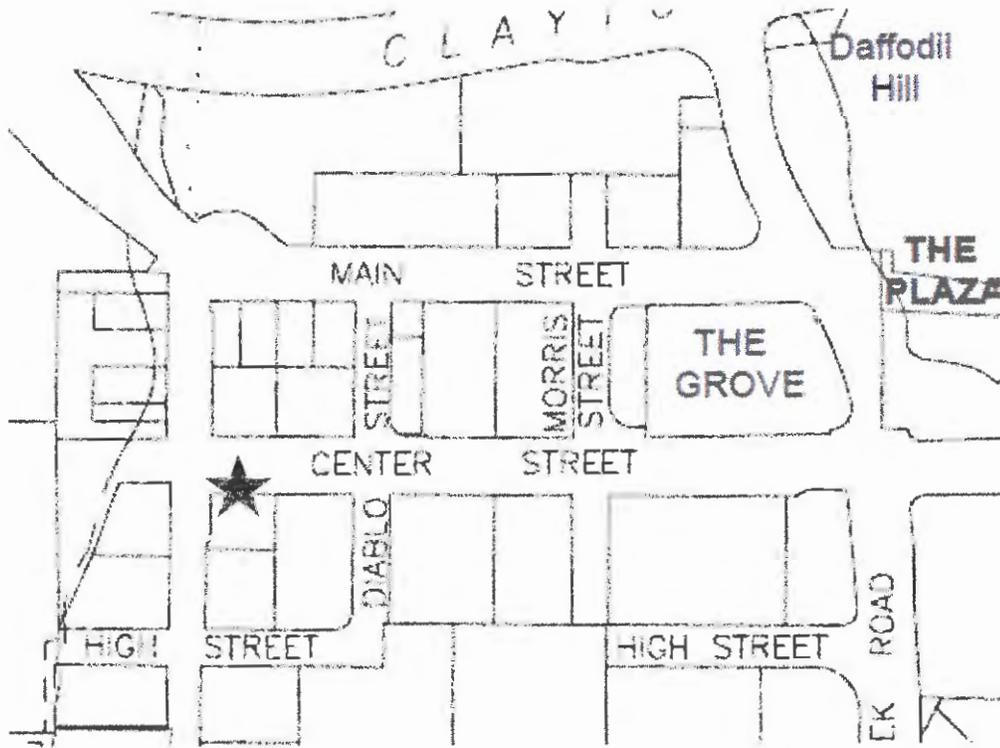
- | | |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>2</u> % <u>.05</u> cubic ft. | <input checked="" type="checkbox"/> Metal <u>1</u> % <u>.02</u> cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.05</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>80</u> % <u>1.9</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>15</u> % <u>.37</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-12 / Capacity (28 cubic feet)

Center St. Southside in front of 6008 Center St. Endeavor Hall.



TC-12



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Center St Southside IFO 6008 Center St at Endeavor Hall

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-12 / Capacity (28 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-7-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

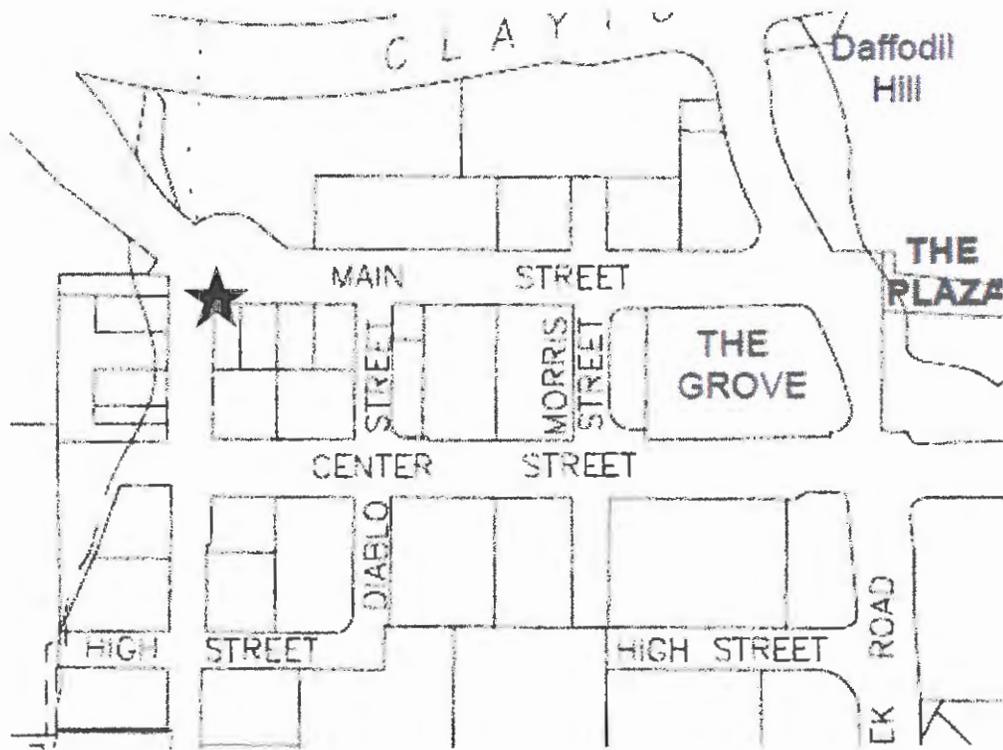
- | | |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>2</u> % <u>.03</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.03</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>56</u> % <u>8</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>40</u> % <u>.57</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-13 / Capacity (36 cubic feet)

Oak St. Southeast corner of Oak St. and Main St.



TC-13



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Oak St SE corner of Oak St and Main St

OPTIONAL SFEP Device ID: _____ Municipal Device ID IC-13 / Capacity (36 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-7-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 10 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

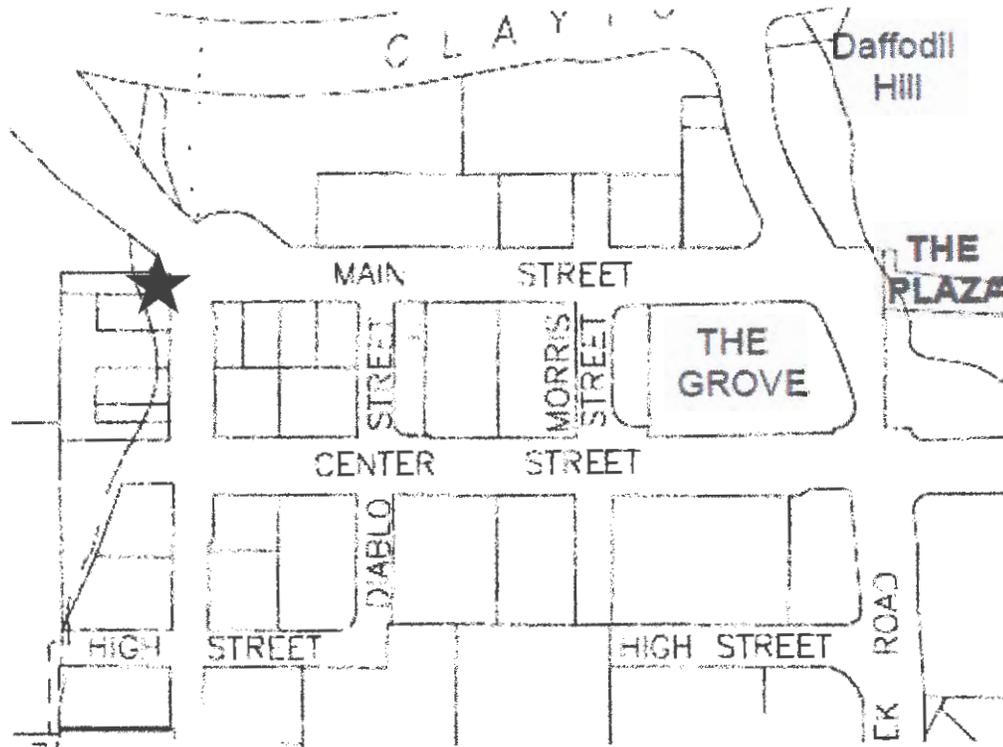
- | | |
|--|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.04</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.07</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>57</u> % <u>2</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>40</u> % <u>1.44</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-14 / Capacity (60 cubic feet)

Oak St Southwest corner of Oak St. and Main St.



TC-14



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Oak St SW corner of Oak St and Main St

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-14 / Capacity (60 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-7-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

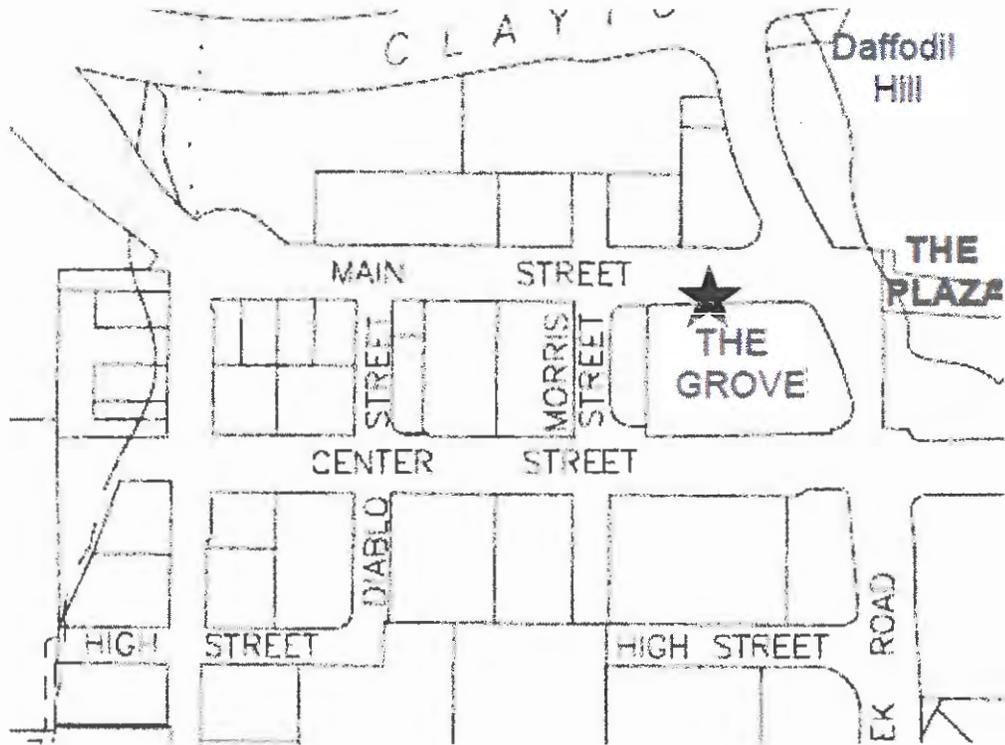
- | | |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.01</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>2</u> % <u>.02</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>87</u> % <u>1</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>10</u> % <u>.12</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

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Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-15 / Capacity (30 cubic feet)

Main St. Southside 120' west of Old Marsh Creek Rd and Main St by The Grove.



TC-15



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Main St Southside 120' W of Old Marsh Creek Rd and Main St.

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-15 / Capacity (30 cubic feet)

Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-8-2015

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): _____

Response to complaint (describe): _____

Is device functioning properly?

Yes No (explain): _____

Clogged

Needs repair/adjustment (explain): _____

Evidence of bypass

Condition of device

Intact, not damaged

Damaged or broken part (describe): _____

Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic 2 % .03 cubic ft.

Metal _____ % _____ cubic ft.

Paper 2 % .03 cubic ft.

Leaves/vegetation 36 % .55 cubic ft.

Sediment 60 % 1 cubic ft.

Glass _____ % _____ cubic ft.

Other _____ ? _____ % _____ cubic ft.

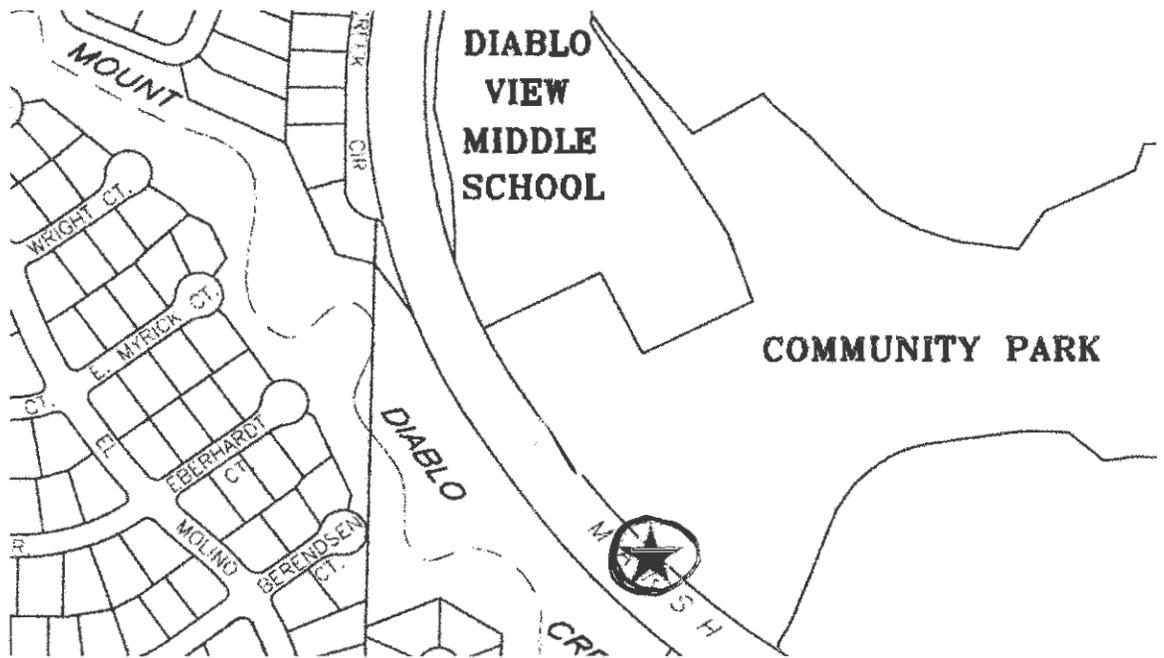
Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-16 / Capacity (42 cubic feet)

Marsh Creek Rd Eastside approx. 400 (16) Drive

feet North of Regency



TC-16



BEFORE



MINIMAL DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Marsh Creek Rd Eastside 400' N of Regency Dr

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-16 / Capacity (42 cubic feet)

Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-8-2015

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): _____

Response to complaint (describe): _____

Is device functioning properly?

Yes No (explain): _____

Clogged

Needs repair/adjustment (explain): _____

Evidence of bypass

Condition of device

Intact, not damaged

Damaged or broken part (describe): _____

Missing/vandalized

Estimated percentage of catch basin full: 2 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic _____% _____ cubic ft.

Metal _____% _____ cubic ft.

Paper _____% _____ cubic ft.

Leaves/vegetation 80 % .68 cubic ft.

Sediment 20 % .17 cubic ft.

Glass _____% _____ cubic ft.

Other _____? _____% _____ cubic ft.

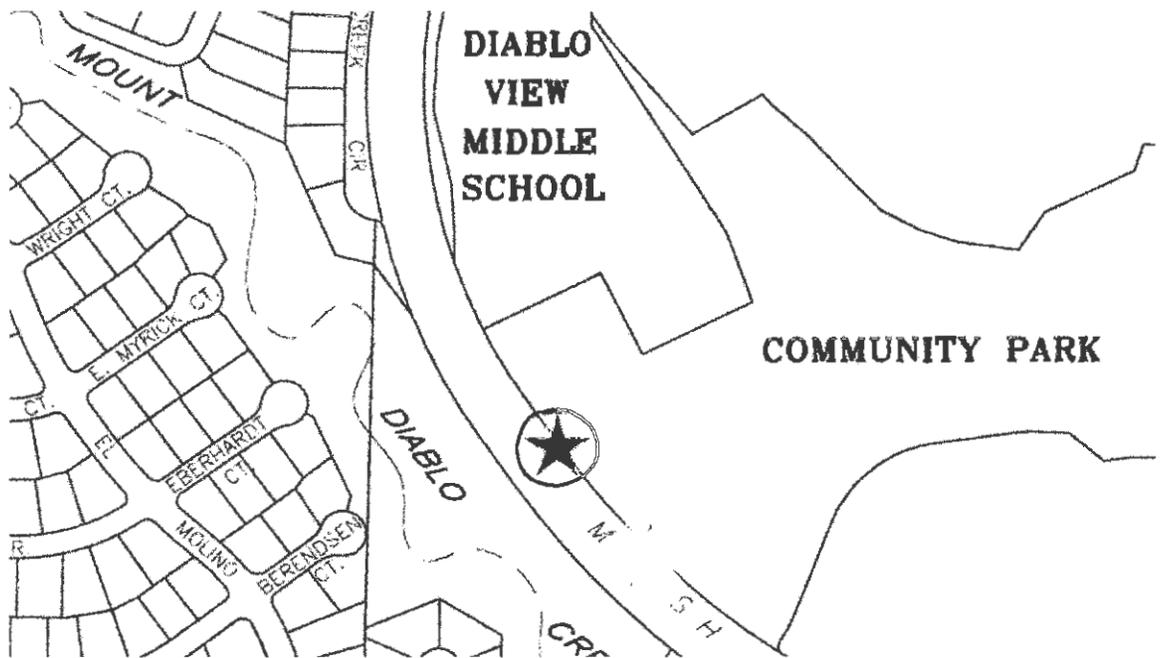
Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-17 / Capacity (42 cubic feet)

Marsh Creek Rd Eastside approx.
Drive

600 (17) feet North of Regency



TC-17



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Marsh Creek Rd Eastside 600' N of Regency Dr

OPTIONAL SFEP Device ID: _____ Municipal Device ID IC-17 / Capacity (42 cubic feet)

Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-8-2015

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): _____

Response to complaint (describe): _____

Is device functioning properly?

Yes No (explain): _____

Clogged

Needs repair/adjustment (explain): _____

Evidence of bypass

Condition of device

Intact, not damaged

Damaged or broken part (describe): _____

Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic _____% _____ cubic ft.

Metal _____% _____ cubic ft.

Paper _____% _____ cubic ft.

Leaves/vegetation 40 % .84 cubic ft.

Sediment 60 % 1.27 cubic ft.

Glass _____% _____ cubic ft.

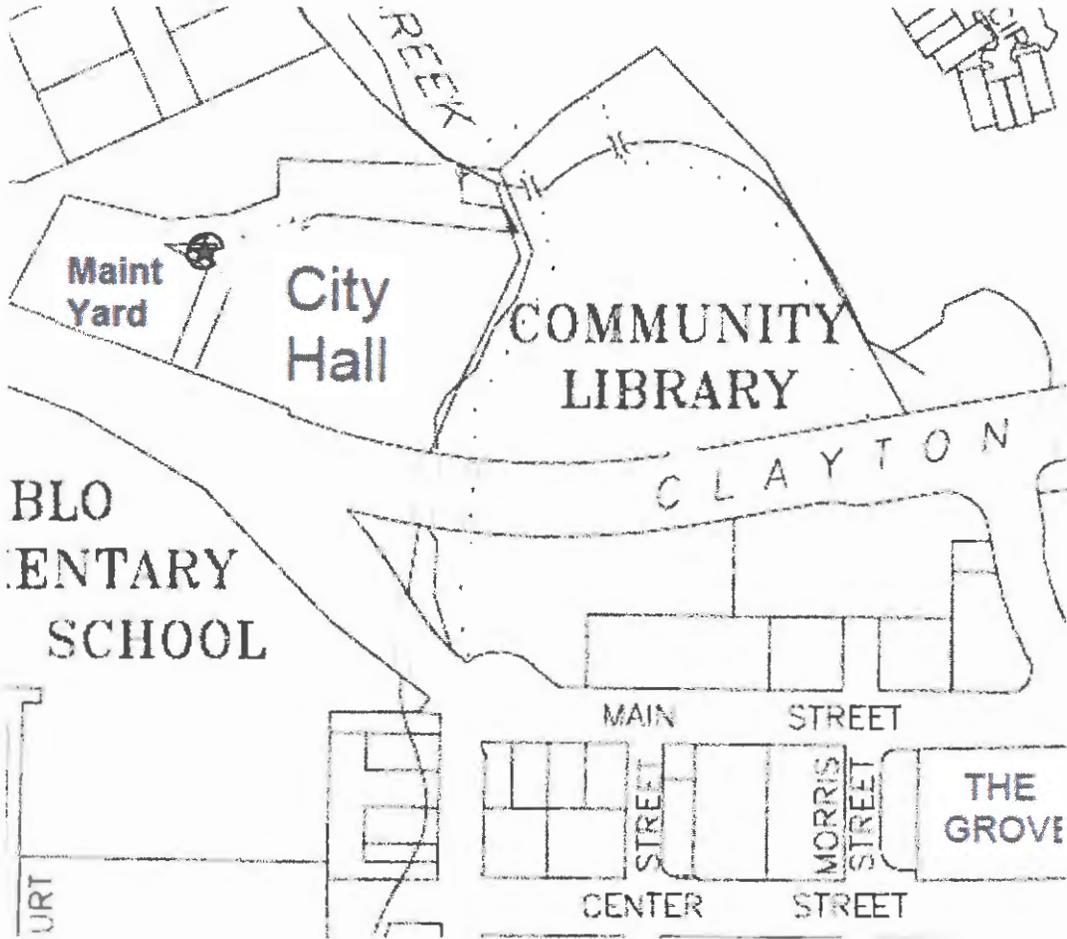
Other _____? _____% _____ cubic ft.

Thank You!

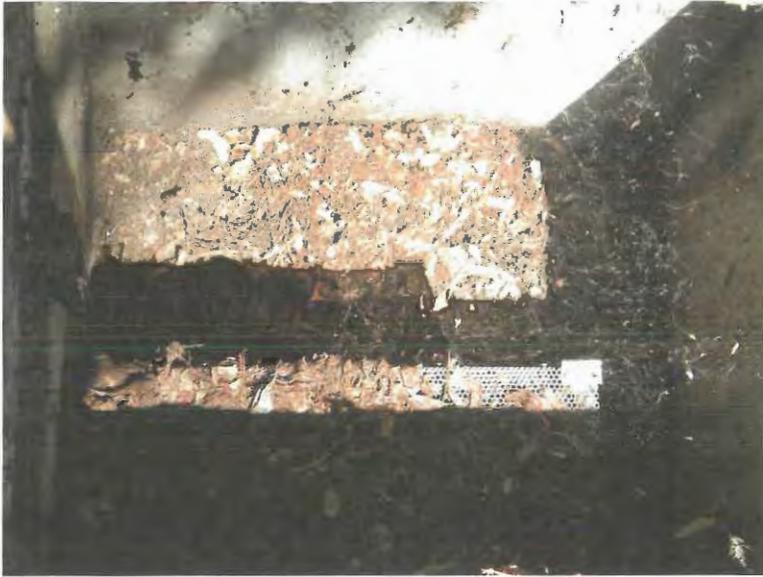
San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-18 / Capacity (24 cubic feet)

City Hall Parking Lot .



TC-18



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Heritage Trail NE bottom of hill before maintenance yard

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-18 / Capacity (24 cubic feet)

Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-8-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 2 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

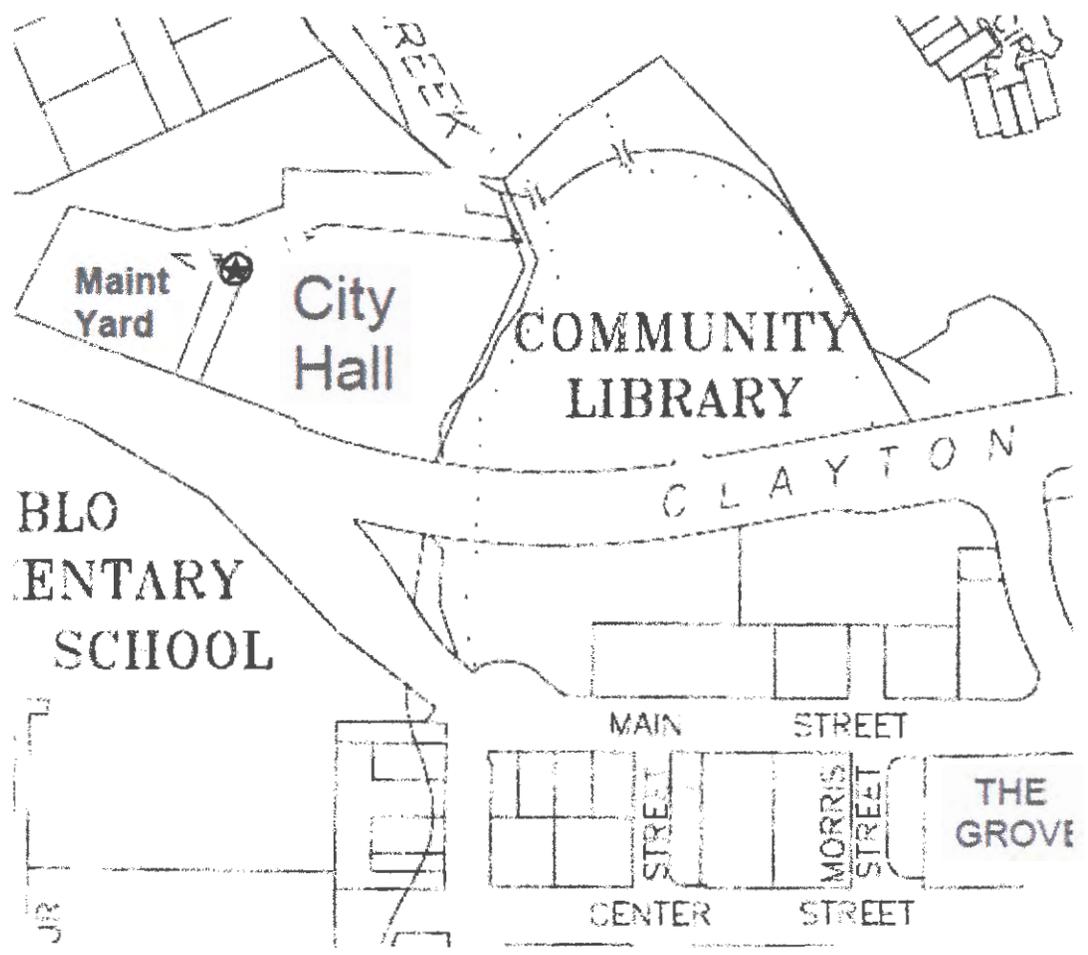
- | | |
|--|---|
| <input type="checkbox"/> Plastic _____% _____ cubic ft. | <input type="checkbox"/> Metal _____% _____ cubic ft. |
| <input type="checkbox"/> Paper _____% _____ cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>50</u> % <u>24</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>50</u> % <u>24</u> cubic ft. | <input type="checkbox"/> Glass _____% _____ cubic ft. |
| | <input type="checkbox"/> Other _____? _____% _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-19 / Capacity (24 cubic feet)

City Hall Parking Lot .



TC-19



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Heritage Trail NW bottom of hill Police Entrance

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-19 / Capacity (24 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-8-2015

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): _____

Response to complaint (describe): _____

Is device functioning properly?

Yes No (explain): _____

Clogged

Needs repair/adjustment (explain): _____

Evidence of bypass

Condition of device

Intact, not damaged

Damaged or broken part (describe): _____

Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic _____ % _____ cubic ft.

Metal _____ % _____ cubic ft.

Paper 2 % .24 cubic ft.

Leaves/vegetation 48 % .58 cubic ft.

Sediment 50 % .6 cubic ft.

Glass _____ % _____ cubic ft.

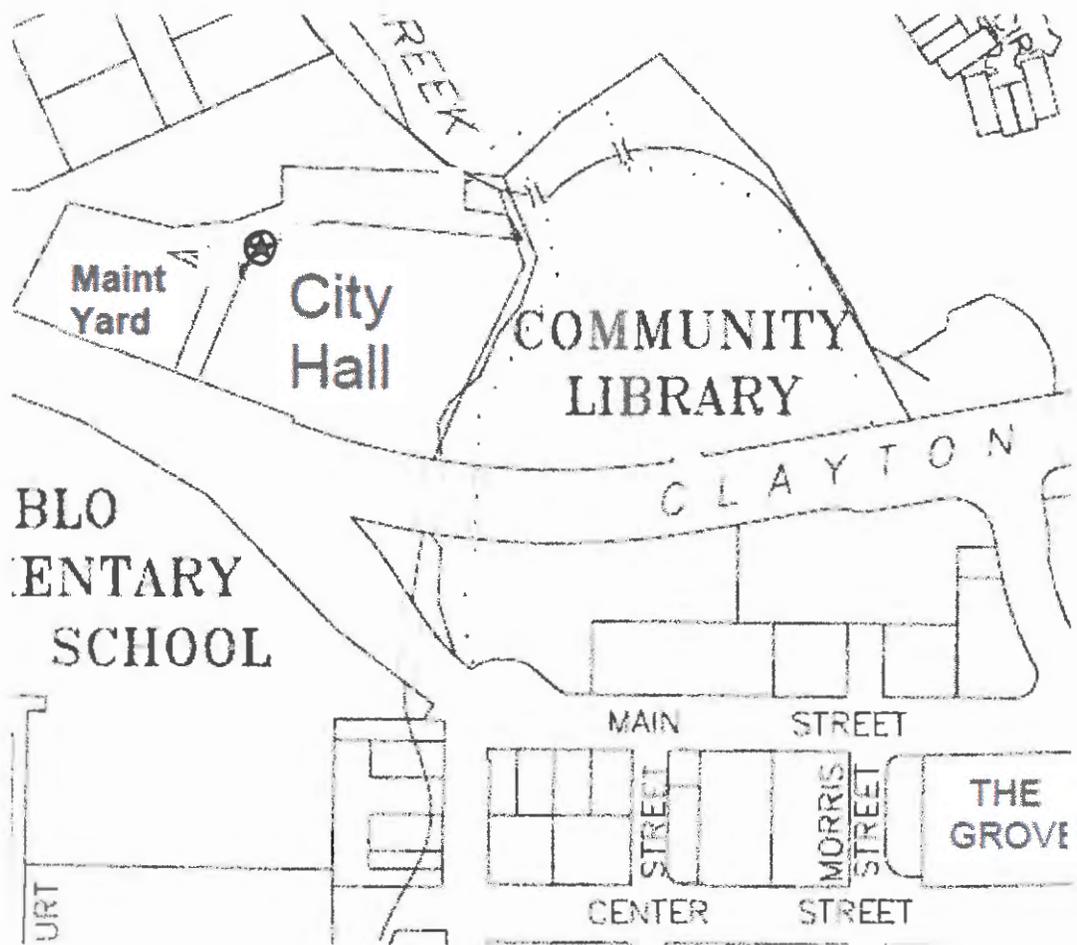
Other _____ ? _____ % _____ cubic ft.

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-20 / Capacity (25 cubic feet)

City Hall Parking Lot .



TC-20



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Heritage Trail Right Side of Police Entrance

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-20 / Capacity (25 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-9-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

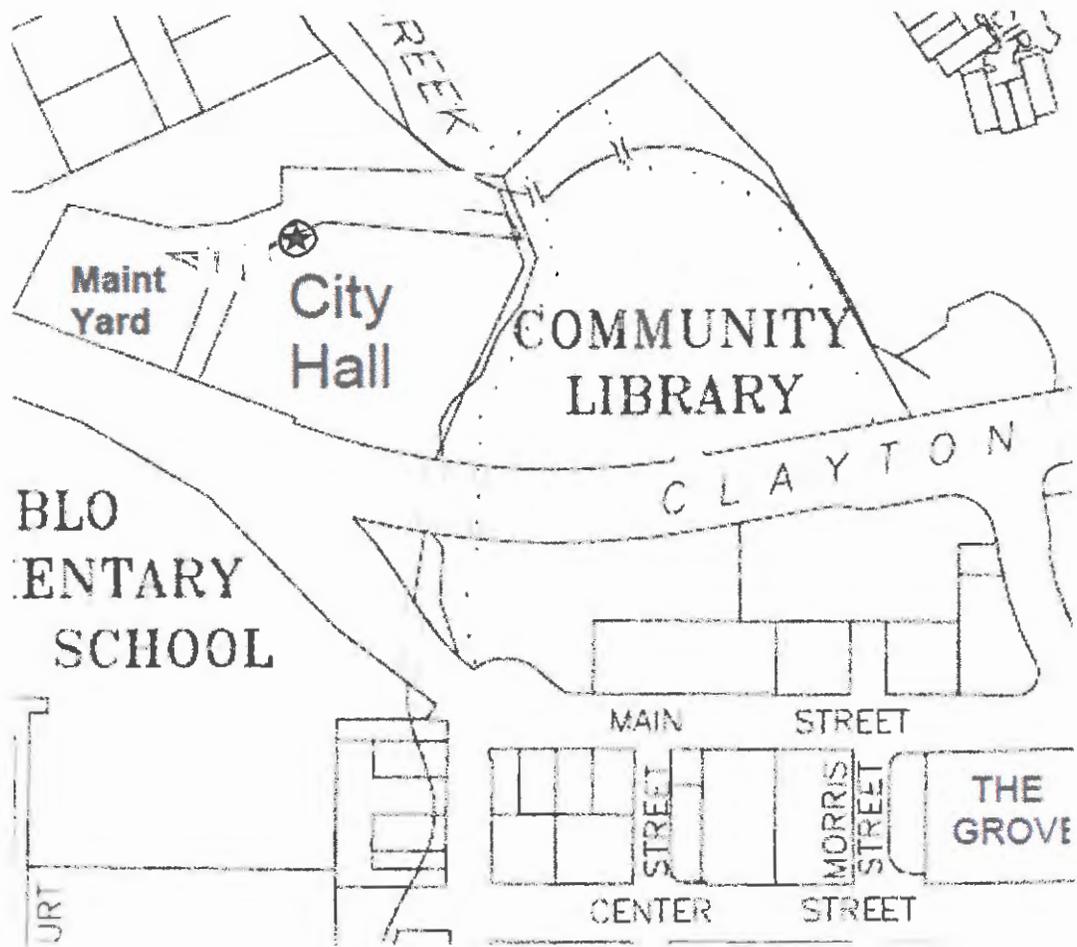
- | | |
|---|---|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.01</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.01</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>83</u> % <u>1.04</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>15</u> % <u>.19</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-21 / Capacity (25 cubic feet)

City Hall Parking Lot .



TC-21



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Heritage Trail Left Side of Police Entrance

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-21 / Capacity (25 cubic feet)

Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-9-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

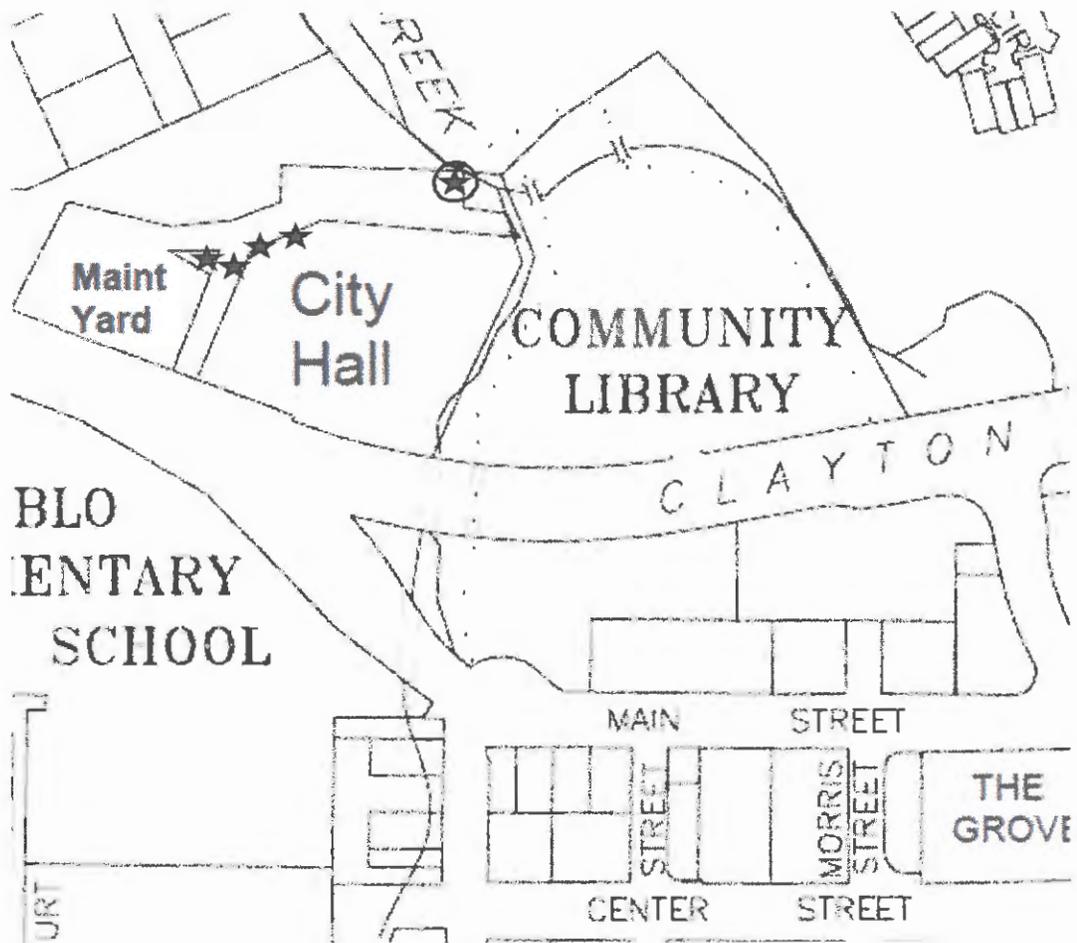
- | | |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.01</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.01</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>88</u> % <u>1.1</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>10</u> % <u>.13</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-22 / Capacity (21 cubic feet)

City Hall Parking Lot .



TC-22



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Heritage Trail NE corner of parking lot

OPTIONAL SFEP Device ID: _____ Municipal Device ID IC-22 / Capacity (21 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-9-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 5 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

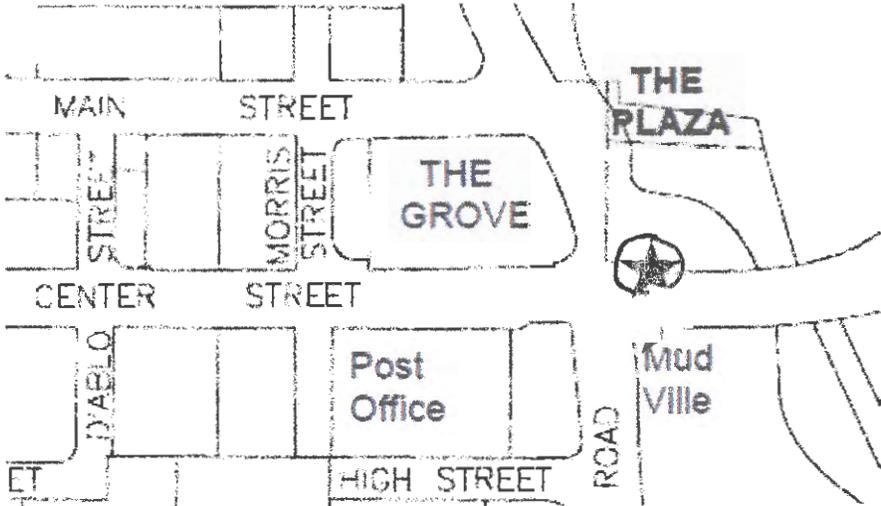
- | | |
|--|---|
| <input type="checkbox"/> Plastic _____ % _____ cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input type="checkbox"/> Paper _____ % _____ cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>70</u> % <u>74</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>30</u> % <u>32</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-23 / Capacity (30 cubic feet)

Center St by Mudville Grill



TC-23



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Center St NE corner of Maint St and Center St

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-23 / Capacity (30 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-9-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 10 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

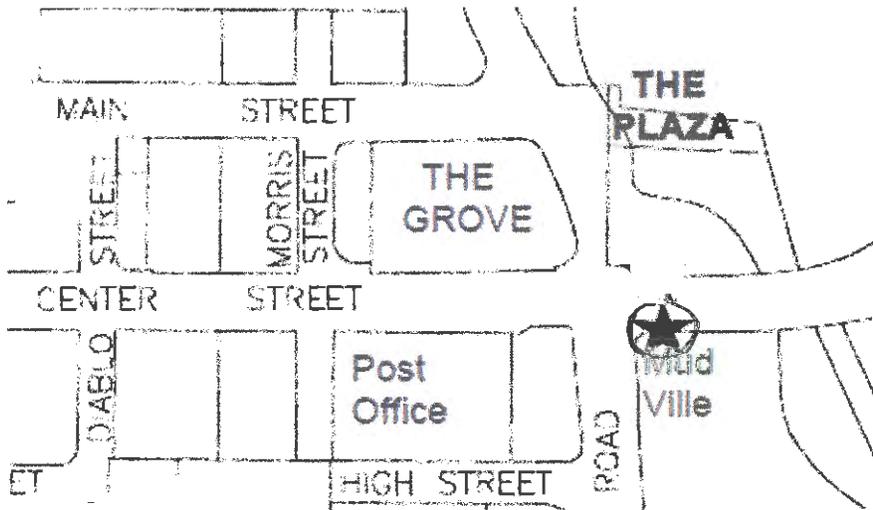
Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- | | |
|--|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.03</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.03</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>50</u> % <u>1.5</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>48</u> % <u>1.44</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-24 / Capacity (26 cubic feet)
Center St by Mudville Grill



TC-24



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: Center St SE corner of Maint St and Center St

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-24 / Capacity (26 cubic feet)
Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-9-2015

Reason for inspection/maintenance (check all that apply):

- Regular scheduled maintenance
 Repair (describe): _____
 Response to complaint (describe): _____

Is device functioning properly?

- Yes No (explain): _____
 Clogged
 Needs repair/adjustment (explain): _____
 Evidence of bypass

Condition of device

- Intact, not damaged
 Damaged or broken part (describe): _____
 Missing/vandalized

Estimated percentage of catch basin full: 10 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

- Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

- 15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

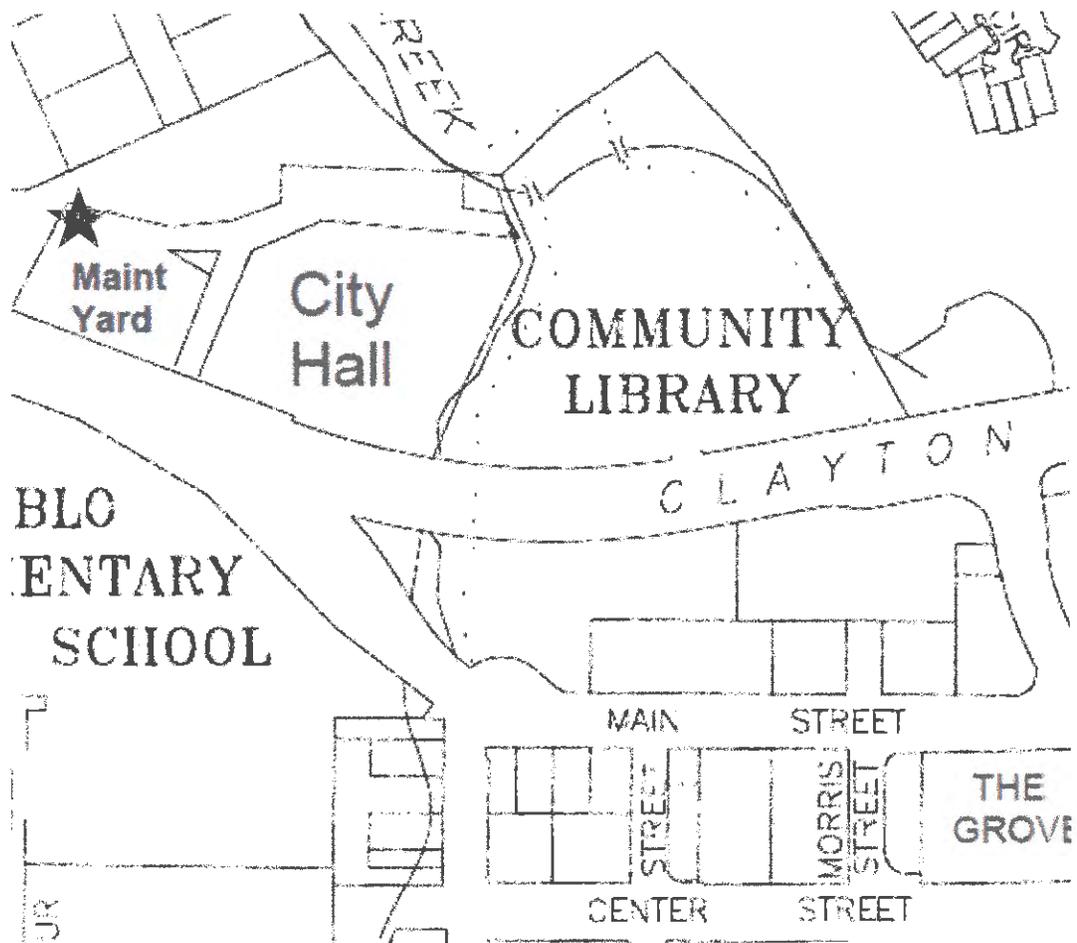
Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

- | | |
|---|--|
| <input checked="" type="checkbox"/> Plastic <u>1</u> % <u>.03</u> cubic ft. | <input type="checkbox"/> Metal _____ % _____ cubic ft. |
| <input checked="" type="checkbox"/> Paper <u>1</u> % <u>.03</u> cubic ft. | <input checked="" type="checkbox"/> Leaves/vegetation <u>38</u> % <u>1.2</u> cubic ft. |
| <input checked="" type="checkbox"/> Sediment <u>60</u> % <u>1.8</u> cubic ft. | <input type="checkbox"/> Glass _____ % _____ cubic ft. |
| | <input type="checkbox"/> Other _____ ? _____ % _____ cubic ft. |

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

TC-25 / Capacity (15 cubic feet)
City Maint Yard



TC-25



BEFORE



DEBRIS COLLECTED



AFTER

Trash Capture Device Maintenance Report — Small Devices

BAY AREA-WIDE TRASH CAPTURE DEMONSTRATION PROJECT

Use the municipal staff DATA login for your city/county to enter maintenance data at www.bayareatrashtacker.org

Address or intersection: City Maintenance Yard

OPTIONAL SFEP Device ID: _____ Municipal Device ID TC-25 / Capacity (15 cubic feet)

Purchase Order No.: _____ Item Line No. (from Purchase Order): _____

MAINTENANCE

Date of maintenance event: 7-9-2015

Reason for inspection/maintenance (check all that apply):

Regular scheduled maintenance

Repair (describe): _____

Response to complaint (describe): _____

Is device functioning properly?

Yes No (explain): _____

Clogged

Needs repair/adjustment (explain): _____

Evidence of bypass

Condition of device

Intact, not damaged

Damaged or broken part (describe): _____

Missing/vandalized

Estimated percentage of catch basin full: 10 % full

Maintenance effort:

How many staff participated in this maintenance event?: 2

Equipment used for trash removal:

Manual/shovels/clamshell Vactor truck Other (describe): _____

Maintenance time spent at site (excluding travel, prep, cleanup, disposal):

15 min or less 15-30 min 30 min-1 hr 1-1.5 hrs 1.5-2 hrs >2 hours (please indicate): _____

OPTIONAL

Photos from this maintenance event to be uploaded to the TrashTracker website

Materials removed (estimated percentage/volume in cubic feet if available; use other units if necessary):

Plastic 3 % .05 cubic ft.

Metal 1 % .02 cubic ft.

Paper 3 % .05 cubic ft.

Leaves/vegetation 40 % .6 cubic ft.

Sediment 53 % .8 cubic ft.

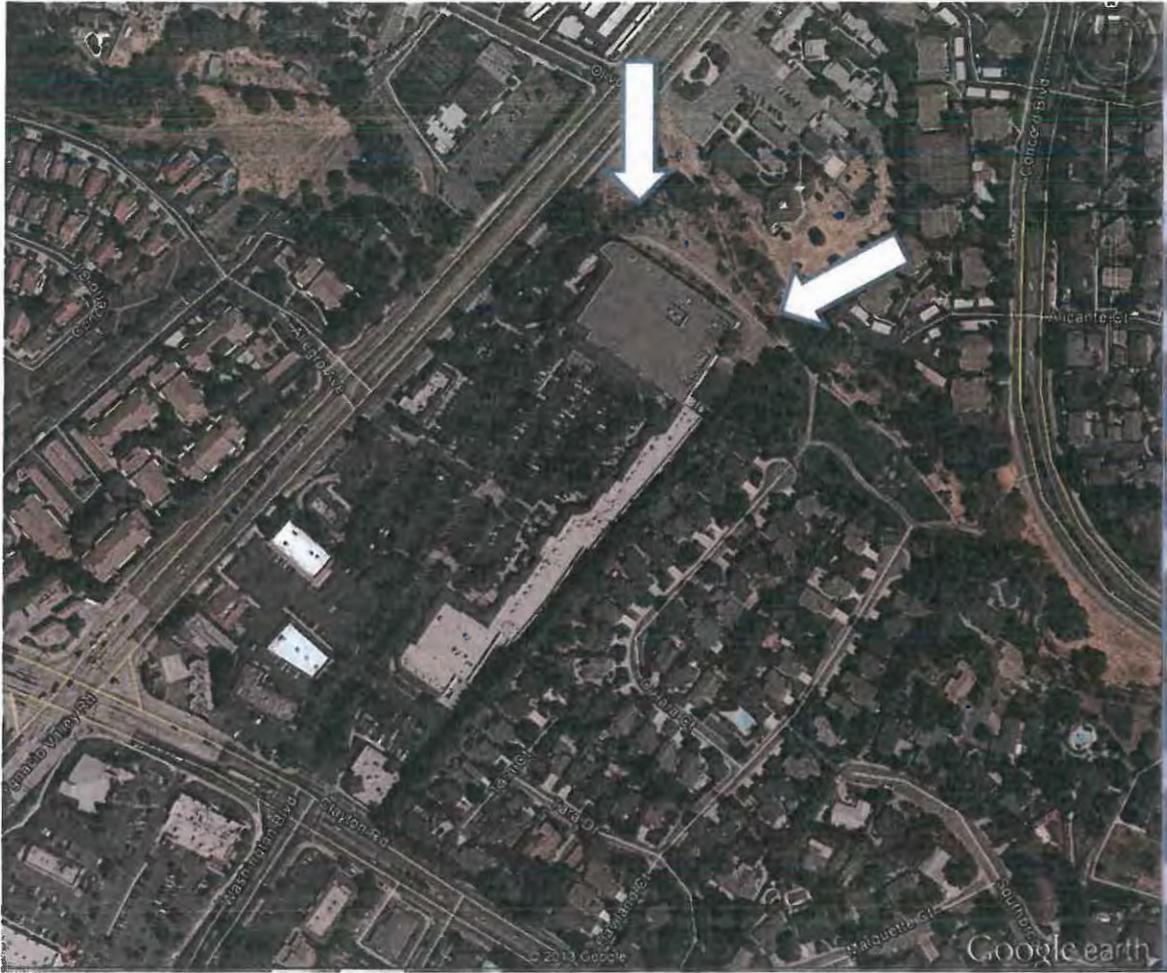
Glass _____ % _____ cubic ft.

Other _____ % _____ cubic ft.

Thank You!

San Francisco Estuary Partnership, www.sfestuary.org
Janet Cox: (510) 622-2334 jwcox@waterboards.ca.gov
Jesse Mills: (510) 622-2465 jemills@waterboards.ca.gov

City of Clayton Trash Hot Spot Location – Clayton Station (behind Safeway) Mt. Diablo Creek (segment)



City of Clayton MRP – Trash Hot Spot Location

behind Safeway – Mt Diablo Creek segment near city public easement trail – creek is privately owned by Las Trampas Investments (Clayton Station Shopping Center – Clayton Road/Kirker Pass Road)



TRASH HOT SPOT PHOTO LOCATIONS



AREA #1



NOTES:

Small amount of debris mostly paper scraps and shoe insert.



AREA #2



NOTES:

Small amount of debris mostly paper scraps and plastic bags. Majority of the debris is trimmings from illegal dumping.



AREA#3



NOTES:

Some scattered debris with paper, plastic, and clothing. An inflatable mattress was also found. The mattress did not appear to have been being used.



AREA#4



NOTES:

Very small amount of scattered debris made up of mostly paper and plastic. Small wicker basket was found.



AREA #5



NOTES:

Small pile of debris made up of mostly paper and plastic. An old golf bag was also found.



AREA#6



NOTES:

A small pile of debris surrounding a cardboard box, and some scattered debris in the general area was also present.



AREA #7



NOTES:

One small step ladder found.



AREA #8



NOTES:

Large pile of debris from illegal dumping.
Mostly pieces of sod and trimmings.





Trash Hot Spot Cleanup Data Collection Form

Name of Recorder: John Johnston
Cleanup Date: 6/22/2015

I. Site Information					
Site ID#	CAL-01				
Lat:	37.954434	Long:	-121.953852	Watershed:	Mt. Diablo
Ownership:	Las Trampas Investment	Jurisdiction(s):	City of Clayton	Waterbody:	Mt. Diablo Creek
II. Trash Information					
1. Describe trash type (Provide % of total trash by volume):					
*List of potential trash items on back					
Item:	Percentage:	amount	Item:	Percentage:	amount
Plastic bags	8.00%	various	Construction debris*		
Convenience/Fast Food items*	2.00%	various	Toxic substances*		
Bottles (plastic or glass)	1.00%		Large items*	2.00%	Golf Bag
Aluminum cans	2.00%		Miscellaneous items*		
Styrofoam (pieces or pellets)			Fabric and cloth*		
Other plastic products*			Yard waste (incl. trees)	70.00%	Branches
Paper and cardboard*	10.00%	various	Leaf litter piles	5.00%	2 bags
Cigarette butts			Glass pieces		
Spray paint cans			Golf or tennis balls		
Metal products*			Other*		
Biohazards*			Other*		
2. Potential trash pathways/sources (Check all that apply):					
<input checked="" type="checkbox"/> Trash accumulation	<input type="checkbox"/> Homeless encampments	<input type="checkbox"/> Other			
<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Outfall	<input type="checkbox"/> Unknown			
<input checked="" type="checkbox"/> Illegal dumping	<input type="checkbox"/> Multiple				
3. Identify adjacent land uses to trash area (Check all that apply):					
<input type="checkbox"/> Residential (Single-family)	<input type="checkbox"/> Industrial	<input type="checkbox"/> Other Developed			
<input checked="" type="checkbox"/> Residential (High-density)	<input type="checkbox"/> Public/Institutional				
<input checked="" type="checkbox"/> Commercial	<input type="checkbox"/> Mixed-use				

III. Trash Removal

Volume of Trash Removed During Cleanup:

Size of trash bag (in gallons): 40 ^{20GAL} OR Cubic Yards: .15
Total # of bags: 1/2

IV. Photo Documentation

Photo#	Before Cleanup Photograph ID	Photo#	After Cleanup Photograph ID
1			
2			
3			
4			
5			
6			
7			
8			

Notes:
Minimal trash in the area. The majority of the clean up was the result of illegal dumping.
See attached for before and after photos.



Attachment C10d

COMMUNITY
DEVELOPMENT (925) 673-7340
ENGINEERING (925) 363-7433

6000 HERITAGE TRAIL • CLAYTON, CALIFORNIA 94517-1250
TELEPHONE (925) 673-7300 FAX (925) 672-4917

City Council
HANK STRATFORD, MAYOR
DAVID T. SHUEY, VICE MAYOR
JIM DIAZ
HOWARD GELLER
JULIE K. PIERCE

September 4, 2014

Via fax (916) 558-3177

The Honorable Edmund "Jerry" Brown
Governor, State of California
State Capitol Building, Suite 1173
Sacramento, CA 95814

Re: Request for Signature: SB 270 (Padilla, de León, and Lara) Single-Use Grocery Bags Bill

Dear Honorable Governor Brown,

The City Council of Clayton **strongly supports Senate Bill 270**, which will reduce bag pollution and waste by restricting single-use plastic grocery bags and placing a ten cent minimum charge on paper and reusable bags. We respectfully urge you to sign the bill into law.

As a small populated city (11,000+) in Contra Costa County with limited governmental revenues, our City Council has long desired to ban within our community the single-use plastic grocery bags. Unfortunately, we cannot endure the plastic industry's opposition to this objective, threats of litigation, nor suffer the expense of preparing our own environmental study to enact the local ban. SB 270 offers a universal statewide approach to this desired ban, one which will aid in keeping our community's streams, creeks and sensitive habitats free of clogging plastic bags.

Plastic bags are a costly, environmentally damaging, and easily preventable source of litter and pollution. Light and aerodynamic, plastic bags are uniquely litter-prone even when properly disposed of, and pose a serious threat to the riparian and marine environment and wildlife. When no longer visible to the naked eye, plastic bags have degraded into tiny particles that absorb toxins and contaminate our food chain and water and soil quality.

There is no free bag. Single use plastic bags are costly to both consumers and taxpayers. The more than 13 billion single use plastic bags distributed by California grocers cost over \$200 million annually. The costs of these one-time use products are passed on to consumers in the form of higher grocery prices.

Californian taxpayers pay a second time. In 2013, California communities reported to NRDC that they are spending \$428 million every year to prevent and clean up litter that pollutes our waterways. Based on litter studies, plastic bags represent as much as 10%-25% of litter; plastic bag pollution prevention may represent up to \$43-107 million in local government costs. And waste management facilities are losing as much as \$1 million each year to deal with plastic bags in their machinery, as reported by the City of San Jose in 2010.

Numerous cities and towns in our Bay Area have already adopted local bans on plastic bags and would be grandfathered into this bill. Our City wishes it could join them – SB 270 provides us that uniform opportunity. The results from these existing policies demonstrate both environmental and economic success, and public support. The City of Clayton supports extending this solution statewide.

The economic and environmental costs of single-use plastic bags simply outweigh any short-term benefit. Phasing out single use plastic bags will reduce plastic pollution and the costs associated with it.

Please sign SB 270 into California law and once again provide national leadership on this issue.

Sincerely,



Hank Stratford
Mayor

cc:

Gareth Elliot, Legislative Secretary, Office of the Governor, Gareth.Elliott@GOV.CA.GOV

Graciela Castillo-Krings, Deputy Legislative Secretary, Office of the Governor, Graciela.Castillo-Krings@GOV.CA.GOV

Caroll Mortensen, Director of CalRecycle, Caroll.Mortensen@calrecycle.ca.gov

Californians Against Waste, suevang@cawrecycles.org

Honorable Clayton City Council Members

Laura Hoffmeister

From: Ana Hidalgo <ahidalgo@cleanstreet.com>
Sent: Tuesday, September 08, 2015 5:21 PM
To: lhoffmeister@ci.clayton.ca.us
Cc: 'Nita Moran'; 'Andrew'
Subject: FW: need July 1 to june 30 2015 street sweeping material report for Clayton

Hi Laura,

The total tonnage from July 1 2014 to June 30 2015 is 98.13

Date	Quantity
Jul-14	6.88
Aug-14	7.68
Sep-14	7.55
Oct-14	6.93
Nov-14	11.36
Dec-14	17.00
Jan-15	9.10
Feb-15	6.81
Mar-15	6.60
Apr-15	8.03
May-15	4.04
Jun-15	6.15
Total	98.13

Kind regards,

Ana Hidalgo
CleanStreet
ahidalgo@cleanstreet.com
(310) 436-6515

From: Laura Hoffmeister [<mailto:lhoffmeister@ci.clayton.ca.us>]
Sent: Tuesday, September 08, 2015 2:19 PM
To: 'Marlene Quevedo'
Cc: 'Andrew Jacoby'
Subject: need July 1 to june 30 2015 street sweeping material report for Clayton

Can you please provide me with the swept tonnage or cubic yards information for the city of clayton for the period from July 1 2014 to June 30 2015

Laura Hoffmeister
Assistant to the City Manager
City of Clayton
6000 Heritage Trail

City of Clayton

Republic Services Curbside Collection Data for FY 14-15

	7/1/2014	8/1/2014	9/1/2014	10/1/2014	11/1/2014	12/1/2014	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	Total
Oil filters	30	10	35	10	9	18	32	20	9	1	21	33	228
Batteries	656	127	372	323	271	301	533	359	231	102	440	279	3994
Lightbulbs	58	16	39	77	70	52	39	50	28	12	51	30	522
Mattresses	8	9	10	6	7	6	12	10	9	9	10	6	102
E-waste	15	13	12	9	7	5	13	8	12	6	3	6	109
White Goods	11	11	6	5	11	10	4	7	16	4	13	17	115
Used Oil (gal)	125	53	122	112	59	89	150	88	37	9	107	90	1041

ORDINANCE NO. 455

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CLAYTON, ADDING
CHAPTER 9.35 TO THE CLAYTON MUNICIPAL CODE REGARDING CAMPING**

**THE CITY COUNCIL
City of Clayton, California**

THE CITY COUNCIL OF THE CITY OF CLAYTON DOES ORDAIN AS FOLLOWS:

Section 1. Amendment. Chapter 9.35 is hereby added to the Clayton Municipal Code to read in full as set forth in the attached Exhibit A, incorporated by this reference.

Section 2. Severability. If any section, subsection, sentence, clause, or phrase of this Ordinance, or the application thereof to any person or circumstances, is held to be unconstitutional or to be otherwise invalid by any court competent jurisdiction, such invalidity shall not affect other provisions or clauses of this Ordinance or application thereof which can be implemented without the invalid provisions, clause, or application, and to this end such provisions and clauses of the Ordinance are declared to be severable.

Section 3. Conflicting Ordinances Repealed. Any ordinance or part thereof, or regulations in conflict with the provisions of this Ordinance, are hereby repealed. The provisions of this Ordinance shall control with regard to any provision of the Clayton Municipal Code that may be inconsistent with the provisions of this Ordinance.

Section 4. Effective Date and Publication. This Ordinance shall become effective thirty (30) days from and after its passage. Within fifteen (15) days after the passage of the Ordinance, the City Clerk shall cause it to be posted in three (3) public places heretofore designated by resolution of the City Council for the posting of ordinances and public notices. Further, the City Clerk is directed to cause Section 1 of this Ordinance to be entered into the City of Clayton Municipal Code.

The foregoing Ordinance was introduced at a regular public meeting of the City Council of the City of Clayton held on April 15, 2014.

Passed, adopted, and ordered posted by the City Council of the City of Clayton at a regular public meeting thereof held on May 6, 2014 by the following vote:

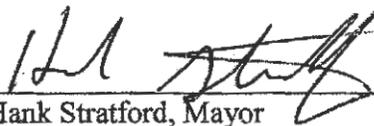
AYES: Mayor Stratford, Vice Mayor Shuey, Councilmembers Geller and Pierce.

NOES: None.

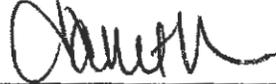
ABSENT: Councilmember Diaz.

ABSTAIN: None.

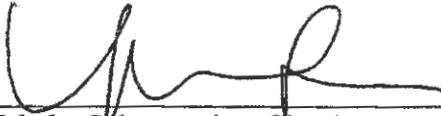
THE CITY COUNCIL OF CLAYTON, CA


Hank Stratford, Mayor

ATTEST


Janet Brown, City Clerk

APPROVED AS TO FORM



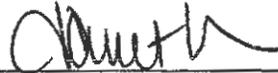
Malathy Subramanian, City Attorney

APPROVED BY ADMINISTRATION



Gary A. Napper, City Manager

I hereby certify that the foregoing Ordinance was duly introduced at a regular meeting of the City Council of the City of Clayton held on April 15, 2014 and was duly adopted, passed, and ordered posted at a regular meeting of the City Council held on May 6, 2014.



Janet Brown, City Clerk

EXHIBIT A

Chapter 9.35

CAMPING

Sections:

- 9.35.010** **Definitions.**
- 9.35.020** **Camping.**
- 9.35.030** **Public urination.**
- 9.35.040** **Enforcement.**

9.35.010 **Definitions.**

Unless the particular provisions or context requires otherwise, the definitions contained in this section shall govern the construction, meaning and application of words and phrases in this chapter.

“Camp facilities” include, but are not limited to, tents, huts, or temporary shelters, trailers, and any other vehicle.

“Camp paraphernalia” includes, but is not limited to, collapsible shelters, cots, beds, sleeping bags, bed rolls, hammocks, barbeques, open fires, portable stoves or other cooking equipment not provided or approved by the city.

“Store” means to put aside or accumulate for use when needed, to put for safekeeping, or to place or leave in a location.

9.35.020 **Camping.**

A. No person shall camp anywhere in the city, whether on public or private property, except as hereinafter expressly permitted. “To camp” means to do any of the following:

1. Sleeping (10:00 p.m. to 8:30 a.m.). To sleep at any time between the hours of 10:00 p.m. and 8:30 a.m. in any of the following places:

- (a) Outdoors, with or without camp paraphernalia.
- (b) In, on, or under any structure not intended for human occupancy, whether with or without bedding, tent, hammock, or other similar protection or equipment.

2. Setting up camping paraphernalia (10:00 p.m. to 8:30 a.m.). To establish or maintain, outdoors or in, on, or under any structure not intended for human occupancy, at any time between the hours of 10:00 p.m. and 8:30 a.m., a temporary or permanent place for sleeping by setting up any camp facilities or camp paraphernalia in such a manner as to be immediately usable for sleeping purposes.

3. Setting up campsite (any time). It shall be unlawful for any person to store personal property, including camp facilities and camp paraphernalia, in the following areas, except as otherwise provided:

- (a) Any park.
- (b) Any street or right of way, including sidewalks, bus stops and public landscaping; and
- (c) Any parking lot, yard, building set-back, vacant land, open space or any other area open or accessible to the public, improved or unimproved.

B. Camping is permitted in the city only in the following circumstances:

1. Camping in public areas specifically set aside and clearly marked for public camping purposes;

2. Camping events authorized by the city;

3. Camping in the yard of a residence, with the consent of the owner or occupant of the residence, where the camping is in the rear yard of the residence or where the camping is in an area of a side yard of the residence that is separated from view from the street by a fence or hedge or other obstruction; except that camping shall not be permitted under this subsection where it is conducted in such a manner as to constitute a nuisance because of noise, inadequate sanitation, or other matters offensive to persons of ordinary sensibility; nor shall camping be permitted under this subsection where the camping in any yard is of such frequency, intensity, or duration as to constitute a use of land prohibited by any provision of this Code; nor shall camping be permitted under this subsection where any fee, charge, or other monetary consideration is collected for the privilege of camping or for any services or the use of any facilities related thereto; and

4. Camping events for minors sponsored by any nonprofit organization; except that camping shall not be permitted under this subsection where it is conducted in such a manner as to constitute a nuisance because of noise, inadequate sanitation, or other matters offensive to persons of ordinary sensibility; nor shall camping be permitted under this subsection where the camping at any location is of such frequency, intensity, or duration as to constitute a use of land prohibited by any provision of this Code.

9.35.030 Public urination.

No person shall urinate or defecate in public except when using a urinal, toilet or commode located in a restroom, or when using a portable or temporary toilet or other facility designed for the sanitary disposal of human waste and which is hidden from public view. No person shall urinate or defecate in or upon any public street, sidewalk, alley, plaza, park, public building or other publicly maintained facility or place, or upon the private property of another without the consent of the owner or person in lawful possession, or in any place open to the public or exposed to public view.

Ordinance No. 455

9.35.040 Enforcement.

A violation of this chapter shall be a misdemeanor punishable in accordance with section 1.20.010 or as otherwise provided for in this Code.

Attachments

City of Clayton

for Section C-11

City of Clayton

Republic Services Curbside Collection Data for FY 14-15

	7/1/2014	8/1/2014	9/1/2014	10/1/2014	11/1/2014	12/1/2014	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	Total
Oil filters	30	10	35	10	9	18	32	20	9	1	21	33	228
Batteries	656	127	372	323	271	301	533	359	231	102	440	279	3994
Lightbulbs	58	16	39	77	70	52	39	50	28	12	51	30	522
Mattresses	8	9	10	6	7	6	12	10	9	9	10	6	102
E-waste	15	13	12	9	7	5	13	8	12	6	3	6	109
White Goods	11	11	6	5	11	10	4	7	16	4	13	17	115
Used Oil (gal)	125	53	122	112	59	89	150	88	37	9	107	90	1041

2015 CUSTOMER GUIDE

Garbage, Recycling, Yard Waste Services



Clayton



Naturally Sustainable

BULKY ITEMS

Free Pickup for E-Waste, Too

Clayton residents may have any item listed here, such as mattresses, furniture, appliances and other large pieces, picked up at no charge at the curbside. Just call the office at (925) 685-4711 to schedule.

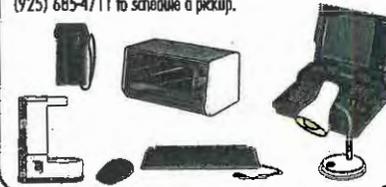
- Air conditioner (pickup & Freon removal)
- Computer monitors
- Couch/sofa
- Dishwasher
- Dryer
- Electronics
- Freezer (pickup & Freon removal)
- Hot water heater
- Hide-a-bed
- Double mattress
- Double box spring
- Twin mattress
- Twin box spring
- Queen mattress
- Queen box spring
- King mattress
- King box spring
- Refrigerator (pickup & Freon removal)
- Stove
- Washer
- Swamp cooler



- Tires (less than 19 inches)
- Tires with rim (less than 19 inches)
- Tires (larger than 19 inches)
- Tires with rim (larger than 19 inches)
- TV (32 inches or smaller)
- TV (32 inches or larger)

Free E-Waste Pickups

There is no charge for collection of e-waste in Clayton. Call (925) 685-4711 to schedule a pickup.



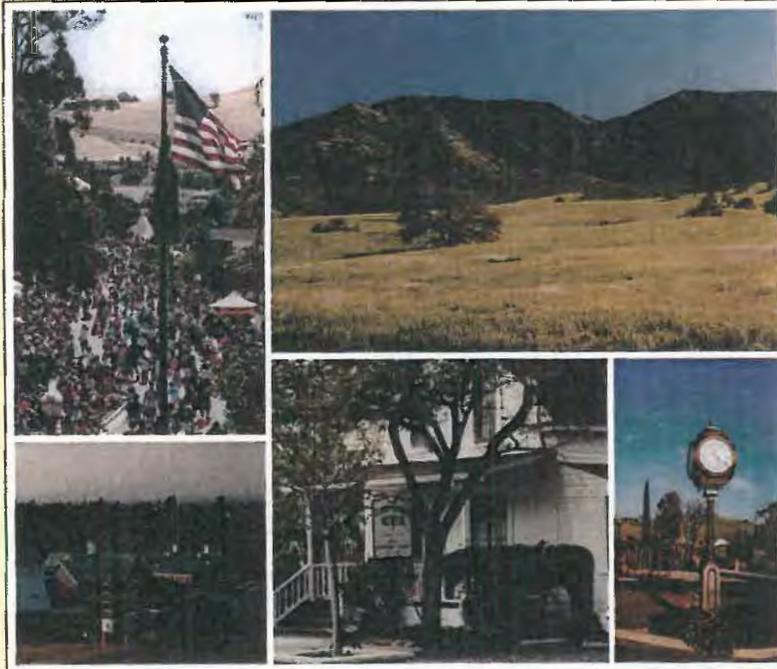
Recycle Batteries, CFLs

Household batteries and compact fluorescent lights can be recycled curbside. Place batteries in quart-size Ziploc bag, seal and leave next to your brown recycling cart. Do the same in a separate Ziploc bag for CFLs.



2014 CUSTOMER GUIDE

Garbage, Recycling, Yard Waste Services



Clayton

REPUBLIC
SERVICES



Naturally Sustainable

Attachment C11

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- Queen box spring
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- Washer
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Household Hazardous Waste Collection Facility

4797 Imhoff Place, Martinez, CA 94553-4392
1-800-646-1431 • www.centralsan.org



Protecting Public Health and the Environment

HOURS OF OPERATION

Residents:
(no appointment needed)

Monday through Saturday:
9 a.m. - 4 p.m.

Businesses:

Monday through Saturday

By appointment only

Closed:

Sunday
and most major Holidays

The Solution to Pollution

Many products in your home contain chemical compounds that can poison, corrode, explode, or ignite when handled improperly. (See list of items on reverse.) When discarded, these substances become household hazardous waste (HHW) and can threaten human health and the environment. For this reason, it is illegal to dispose of HHW in the trash or down any drain. That is why the Central Contra Costa Sanitary District established the HHW Program—to provide local residents with convenient and environmentally safe HHW disposal.

Hazardous wastes brought to our Household Hazardous Waste Collection Facility will never reach waterways through sewers, storm drains, or landfills. To help prevent pollution of our water environment, please bring your HHW to the facility.



THERE IS NO DROP-OFF FEE FOR ELIGIBLE RESIDENTS!

COMMUNITIES ELIGIBLE TO USE THE FACILITY

The collection program services are paid for by members of the communities on the map at right as part of their sewer service charge. Partnership agreements between CCCSD, MVSD, Concord, Clayton, and San Ramon (for southern area) ensure that all central county residents have access to these services.



What Can You Bring to the Household Hazardous Waste Facility?

Household products

- Batteries
- Fluorescent bulbs & compact fluorescent lights (CFLs)
- Mercury thermostat switches
- Grouts/caulking
- Pool chemicals

Paint and paint-related products

- Latex & oil-based paints
- Wood stain & varishes
- Paint remover/paint thinner & solvents



Household cleaning products

- Bleach
- Liquid cleaners
- Upholstery/rug cleaners
- Oven cleaners
- Furniture polishes
- Tub & tile cleaners

Personal care products

- Mercury fever thermometers
- Fingernail polish & remover
- Hair care products
- Perfumes & colognes

Automotive products

- Motor oil
- Gasoline
- Antifreeze
- Brake fluid
- Transmission fluid
- Solvents
- Car batteries
- Car cleaning products

Garden care and pest-control products

- Pesticides
- Herbicides
- Fertilizers

Other

- Cooking oils and grease (large quantities, as from a turkey fryer)
- Propane tanks (5 gallon or less)



Free Stuff!

The facility has a Reuse Room stocked with items brought in for disposal that are still in useable condition. The inventory often includes paint, wood stain, garden products and a wide variety of cleaners—and they're all free to facility users! The Reuse Room is open Tuesday – Saturday, 9 a.m. – 3:30 p.m.

We do not accept:

- Medicines
- Medical wastes (including sharps—syringes, needles, lancets, etc.)
- Electronic waste (computers, TVs, cell phones, etc.)
- Explosives (ammunition, picric acid, fireworks, etc.)
- Compressed gas cylinders (propane accepted)
- Wastes contaminated with PCBs (fluorescent light ballasts accepted)
- Treated wood wastes

State regulations limit the transportation of hazardous waste to 15 gallons or 125 pounds per visit. Individual containers are limited to 5-gallon capacity.

There is no drop-off fee and no appointment necessary for residents of central Contra Costa County. Small businesses require an appointment and are charged a nominal fee. For more information, please call 1-800-646-1431 or visit our website: www.centrialsan.org

HOUSEHOLD HAZARDOUS WASTE COLLECTION FACILITY HOURS AND LOCATION

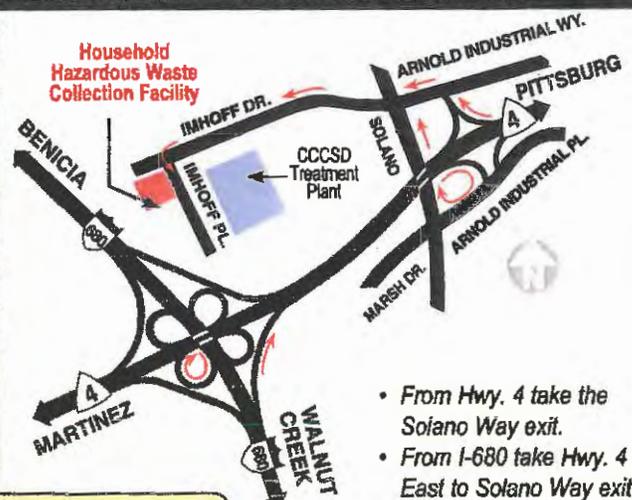
Residents: Monday – Saturday, 9 a.m. - 4 p.m.
(Reuse Room closes at 3:30 p.m.)

Businesses: Monday – Saturday, by appointment only

Phone: 1-800-646-1431
www.centrialsan.org



Household Hazardous Waste Collection Facility
4797 Imhoff Place, Martinez, CA 94553-4392



- From Hwy. 4 take the Solano Way exit.
- From I-680 take Hwy. 4 East to Solano Way exit.

What HHW is Accepted

This list does not include everything we accept. If you have any questions, please call the HHW InfoLine at 1-800-646-1431



Home, Garden, & Misc. Products	Automotive Products	Paint & Paint-Related Products	Household Cleaning Products & Items	Personal Care Products
<ul style="list-style-type: none"> • Grouts • Cements • Caulking • Sealants • Fertilizers • Pesticides • Herbicides • ant stakes • fluorescent lamps (all types) • household batteries • mercury thermometers • mercury switches • propane cylinders (5 gal. or less) • ballasts • pool chemicals • chlorine • bromine • cooking oil • fire extinguishers • aerosol sprays 	<ul style="list-style-type: none"> • motor oil • car batteries • brake fluid • transmission fluid • antifreeze • waxes • polishes • car cleaners • car paints • refrigerants • grease • degreasers • solvents • wheel cleaners • road flares 	<ul style="list-style-type: none"> • paints • stains • varnishes • water • repellants • glazes • wax • wood oils • aerosol paints • thinners • coatings • paint additives • curatives • epoxy resins • wall paper pastes • adhesives • wall paper removers • paint removers • asbestos (special disposal requirements) 	<ul style="list-style-type: none"> • liquid cleaners • upholstery cleaners • oven cleaners • furniture polish • tub & tile cleaners 	<ul style="list-style-type: none"> • shampoos • hair sprays • hair care products • lotions • perfumes/ colognes



More Information About Asbestos



Where Can Asbestos Be Found?

Asbestos is present in many common building materials used in private homes and in public buildings. An asbestos containing product cannot be determined by sight. The only way to determine if asbestos is definitely present in a building material is through a microscopic analysis by an approved laboratory.

Is Asbestos Dangerous?

The process of removing asbestos can be hazardous. Special techniques and equipment are needed to minimize the risks. Without precautions, you can expose yourself as well as other household members to air-borne asbestos. Asbestos fibers are lightweight, so they can stay suspended in the air for many hours. You should consider removal only if encapsulation is not practical. Hire qualified contractors that have been state licensed or EPA certified if removal is necessary.

Asbestos Waste Acceptance (Friable Asbestos Only)

The Central Contra Costa Sanitary District HHW Facility accepts friable asbestos containing materials (FACM) only. Friable asbestos is any material containing more than one percent asbestos and that can be crumbled or reduced to powder by hand pressure. Forms of friable asbestos can be found in materials and products made prior to the mid 1970's such as "popcorn" ceiling coatings, uncoated pipe insulations (without the pipe or ducting), appliance insulation, and ceiling tiles. A certification by a licensed laboratory showing the material contains asbestos may be required.

Packaging Asbestos

The FACM must be wet-down to prevent dusting. Do not soak or over-wet the FACM to cause free liquids to be present. Double-bag asbestos waste into 6mil (or greater) plastic bags. Seal individual bags with duct tape. Label each double bag boldly with "ASBESTOS CONTAINING MATERIAL". This can be done by marking a strip of duct tape on at least two sides of the bags or attaching a marked tag at the closure point. Each bag may not weigh more than 50 pounds. The maximum amount of FACM that can be transported at one time is 125 pounds.

Non-Friable Asbestos Disposal

Forms of Non-Friable asbestos are material such as floor tiles, asbestos pipe, transite siding or pipe, and coated pipe insulation. These materials can be taken to the following sites:

NORCAL WASTE SYSTEMS

6426 Hay Road
Vacaville, CA 95687
(707) 678-4718

WASTEMANAGEMENT ALTAMONT LANDFILL

10840 Altamont Pass Road
Livermore, CA 94550
(800) 449-6349

Attachments City of Clayton for Section C-15

Memo

To: Trails and Landscape Committee

From: Maintenance Supervisors

Date: June 8, 2015

Re: City's Water Rationing Plan

This is where the City stands at the beginning of May 2015 on the State of California's mandatory water rationing. This report was presented by the City Manager to the City Council at their May 19, 2015 meeting.

In general the City must reduce its irrigation water to watering no more than 2 x week. Although a majority of the District and city landscape is drought tolerant, has some areas with more current water efficient irrigation technology, the landscaping is not drought proof. Two times a week watering on the plants and trees may stress the plants – if (when) the later summer/fall hits with hot day temps and warm evening temps, it is likely there will be additional stress and plant die back or some plant demise.

The State of California recently established 9 tiers of water usage within the state for each water supplier and its consumption rates; Tier 9 is the highest water consumer. The Contra Costa Water District fell into Tier 7, which mandates an increase in consumer reduction of water usage: Residential/Commercial water usage will go to 28%; **Irrigation-only Meters to 45%**; and Industrial to 5%. **This revision means the City's parks and landscape irrigation meters must now reduce water usage by 45%.** To further incentivize water use reductions **CCWD is imposing a temporary increase in its treated water quantity charge by \$0.50 per unit (a unit equals 748 gallons); this equates to a 14% rate increase.** Residential usage below 200 gallons per day is considered to already be a conserver and will be exempt from the price adjustment. CCWD indicates the temporary rate increase will be eliminated when the Governor lifts the Executive Order mandating statewide water conservation.

General Policy

The City must cut back 40% from the City's actual 2013 water usage for outdoor water irrigation and 25% in the City's facility usage. These cuts will be greater than the cuts in 2009 because it is based on water usage in 2013 and not total landscape area using historical ET (EvapoTranspiration) rates, which was the method used in the 2009 drought. Staff is forecasting less water being allocated this year than in the 2009 drought and is planning accordingly. The City will not receive actual allocations from Contra Costa Water District (CCDW) until after June 4th when it expects to mail the allocation amounts out to all Contra Costa Water District (CCWD) customers. As in the past drought all of the City's landscape water meters are pooled together so City Staff may allocate its water where it is most needed within the landscaping.

In areas watered using Contra Costa Water District (CCWD) potable water, the outdoor irrigation schedule cannot be more than two days a week. Since lawns are the largest user of water and two days a week will likely not be sufficient to keep them green during the summer months, the following lawns will not be irrigated:

A. All lawns in the Landscape District except the:

- Clayton Fountain (due to recent landscape renovation, this area has a high efficiency irrigation system meeting the state's Water Conversation Ordinance) The City will water it just two days a week as mandated; if the irrigation system cannot keep the lawn area semi green with just the two day watering schedule, City Staff will reevaluate and determine if the system should be shut down during the summer months.
- The lawns in the Downtown area at the Oak Street exit/ramp to Main Street, the tear drop (roses and boxwood island) on Main Street, and the area surrounding the Holiday Tree. These areas receive water from an existing City groundwater well (see below for irrigation usage serviced by groundwater wells).

The following lawns at these City park will not be watered (irrigated by CCWD potable water):

- North Valley Park
- Stranahan Park

The Clayton Community Park will be irrigated for the allowed two days per week to try to keep the field's semi green for playing. At this time the irrigation runs Monday night and Thursday night with the irrigation water meters shut down in between to prevent loss of water from mainline breaks.

The parks in Westwood, The Grove, and Lydia Lane use groundwater well water. (see below for irrigation usage at well sites)

B. Lawns at City Buildings

The City Hall courtyard will initially be watered two days per week in attempt to keep area semi green. City Staff will reevaluate and determine if this system should be shut down during the summer months.

The Community Library grounds are irrigated using groundwater well water (see below for irrigation usage at well sites).

C. WATERING WITH CONTRA COSTA WATER DISTRICT (CCWD) POTABLE WATER

All landscaping supplied with water from the Contra Costa Water District (CCWD) must be watered under State Water Board and Executive Order regulations that have been announced, which include the following: only two days per week , no watering between 9am and 5pm, no run off, and repair breaks as soon as possible. Staff priority (as in previous years of drought conditions) has been to keep as many of the City's trees, then shrubs, and last the groundcover alive with the newest landscaping renovations getting top priority.

The following is being done to monitor/save water and meet the City's allocated water supply: Read water meters every two weeks; shut off water meters that will not be used this year; shut off exterior public drinking fountains to deter misuse and potential water theft; and lock all quick couplers to prevent water theft and misuse.

At this time City Staff has turned off outdoor drinking fountains in the City parks (except at the Dog Park). Staff will monitor water usage at the Dog Park and if it becomes excessive we will determine if water should be shut off. As of now, all water features (i.e., Clayton Fountain, City Hall courtyard fountain, and the new Splash Pad at The Grove Park) have been shut off for public perception or in the case of the Splash Pad it is non-recirculated potable water.

Public restrooms remain open at City facilities for public health reasons except the exterior City Hall courtyard restrooms. A posted sign redirects the public to use the restrooms at the Clayton Community Library.

D. WATERING WITH CITY GROUNDWATER WELL WATER

The City owns and operates several groundwater wells. At this time, groundwater wells supplying non-potable water (i.e. not for human use or consumption) are not subject to the State's mandatory water restrictions and regulations. City wells exist at the following locations:

1. Westwood Park and Lydia Lane Park

By separate agreement, the well water from these wells is used by the Oakhurst Country Club to irrigate its private golf course; well water is also used to irrigate Westwood Park. The wells are monitored monthly by separate contract (paid by Oakhurst); should the groundwater levels of these wells dip below a pre-determined depth, the wells are shut down and each user (Oakhurst; City; Westwood HOA) must convert to pre-connected potable water supplied by CCWD and then subject to the State's outdoor irrigation restriction of no more than 2 days per week.

2. Clayton Community Library

This groundwater well, in addition to irrigating the Library grounds, supplies the water to irrigate the Clayton Road landscape from the Oakhurst Drive intersection to the Mitchell Canyon Road intersection, along old Marsh Creek Road from Clayton Road to Main Street, at the Town Center Sign grounds, and at the Main Street tear drop island.

3. The Grove Park

This groundwater well in the vicinity of the U.S. Post Office, is used to irrigate The Grove Park landscape and lawn, waters the Endeavor Hall landscaping, the landscape around the Endeavor Hall public parking lot, and the Center Street raised planter boxes.

Although not subject to the State's water restrictions, these City groundwater wells have been voluntarily limited to irrigate/water no more than three days in a one week period to help conserve these water supplies and to lead by example in reducing water usage.

* * * * *

2015 Drought Program

- CCWD Proposal to obtain 28% reduction
 - Residential / Commercial (25%)
 - Irrigation Meters (from 40% to 45%)!
 - Industrial (5%)
- Temporary increase treated water quantity charge by \$0.50 per unit (748 gallons). 14% rate increase.
- Residential use below 200 gallons per day; considered conserver and exempt from pricing adjustment.
- Rate eliminated when Governor lifts Executive Order.

Agenda Date: 6/8/15

Agenda Item: 4d

City of Clayton

Memo

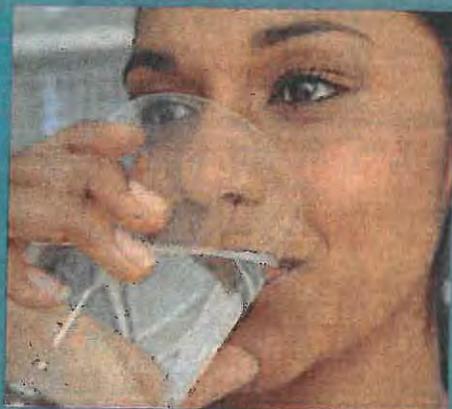
To: Trails and Landscape Committee
From: Assistant to the City Manager, Laura Hoffmeister
Date: June 8, 2015
Re: Future Clayton Pioneer Articles

Committee member Chippero will not be in attendance due to schedule conflict. Staff has prepared a list of a few ideas the Committee might consider for future articles. Committee member Chippero and Committee member Steiner volunteered to draft some articles, any Committee member can provide topic ideas, draft or assist in drafting or reviewing is welcome to do so.

- Adopt a Trail
- Highlights of the projects completed in the District – How the tax funds collected to date have been used to maintain and improve the District
- Highlights of what water conservation measures the District is taking to meet drought requirements, what results this might have on the District landscaping visual appearance
- What actions the District has previously taken for irrigation efficiency and plantings
- What actions the District is planning to undertake in the future

10 easy ways to save water in your home

It's time to renew your conservation efforts and ensure you are using water efficiently. Saving water has never been so easy.



1. Insulate pipes

Insulate hot water pipes so less water needs to be run for hot water to reach the faucet. This also helps save energy.

2. Replace old toilets

You can save 60 percent by replacing your older (pre-1992) toilet with a new High-Efficiency Toilet (HET).

3. Replace old washer

By replacing your older top-loading washer with a new high-efficiency model, you use 50 percent less water and energy. They are also kinder to your clothes.



4. Check for leaks

Test your toilets for leaks. Place food coloring in the tank. If the color appears in the bowl, you have a leak. Either your water level is too high, or your flapper needs to be replaced.

5. Run full loads

Run your clothes washer & dishwasher with full loads to maximize water & energy efficiency.



6. Keep water cool

Keep a container of water in the fridge so you don't need to run water down the drain until it's cool enough to drink.



7. Plug it up

Put a plug in the bathroom sink when shaving rather than rinsing your razor under running water.

8. Save while showering

If your showerhead can fill a one-gallon bucket in less than 20 seconds, replace it with a high-efficiency showerhead. Drop by CCWD and pick up a free high-quality, high-efficiency showerhead.

9. Brush & conserve

When brushing your teeth, remember to keep the water off until you are ready to rinse your brush. Every drop counts.

10. Always aerate

Make sure there are aerators on all of the faucets in your home. Faucets without aerators can use more than three times the water.



10 easy ways to save water in your garden



1. Cycle & soak

Use the cycle and soak method for watering your lawn and landscape. For fixed and pop-up spray sprinklers, water three cycles per day, four to six minutes each cycle. Schedule start times one hour apart. If you have rotating sprinklers, water three cycles per day, 10 to 12 minutes each cycle.

2. Adjust watering

Shrubs, or lawn in shade (north/east side of your house), will generally require up to 50 percent less water than the same plants in full sun (south/west side). Adjust your watering to account for different microclimates in your garden.

3. Water early

Don't water during the middle of the day. This can scorch the leaves. It's best to water in the early morning as the sun is rising and temperatures are cool.



4. Check your sprinklers

Check your irrigation system every couple of weeks for broken or misaligned sprinkler heads. This can save a significant amount of water and keep your landscape looking great!



5. Manage your timer

Every two to four weeks, adjust the watering schedule to reflect changes in the weather. Reducing the watering schedule by one-minute on each sprinkler station can save more than 50 gallons per day!



6. Reduce your lawn

Reduce the size of your water-thirsty lawn and replace it with water-efficient low-maintenance plants.

7. Mow

Mow lawns to 2 1/2 to 3-inches during the summer. This will improve the quality of the lawn and reduce water demand.

8. Mulch

Mulch is the little-noticed workhorse of many smart gardeners' landscapes. Maintain a 2- to 3-inch layer of organic mulch in all planting areas.

9. Use a broom

Use a broom instead of a hose to clean your driveway and save up to 80 gallons of water every time.

10. Aerate

Aerate your lawn. This allows water and oxygen to get to the roots. You can either leave the soil plugs on the lawn or remove them to another part of the garden.



LOSE A LAWN • GET A GARDEN

\$1,000 REBATES (up to)

- Replace Lawn with Water-Wise Landscaping
- Rebate is \$1.00 per sq. ft. replaced
- Pre-Approval is required
- Non-residential sites call for details



For Program Eligibility and Information

Call: **(925) 688-8320** or

Visit: **www.ccwater.com/conserv**





Prohibitions of Water Use

- PAY YOUR CCWD BILL
- CONSERVATION SAVE WATER!
- CURRENT JOB OPENINGS

Home » Customer Service » State Mandated 2015 Drought Emergency Plan

STATE MANDATED 2015 DROUGHT EMERGENCY PLAN

2015: Unprecedented Drought

California is facing one of the most severe droughts on record.

This year's slight rain and snowfall levels return to a previous years of below-average precipitation. Reservoirs were already low.

Governor Brown declared a drought State of Emergency in January. In April, he reinforced that order and asked for 25 percent savings across the state.

Individual water agencies were ordered to reduce water consumption at different levels. CCWD was ordered to reduce by 25 percent.

RESOURCES FOR SAVING WATER

Drought Survival 101 Indoor & Outdoor

[Version 8/2015](#)

Water Waste Prohibitions Pool Sheet

[Version 8/2015](#)

[CCWD Communication](#)



[From a Ditch to Where You Rejoice Your Front Lawn With A Beautiful, Drought-Tolerant Garden](#)

[Message for our Water Conservation Newsletter](#)

[Self-insure's Save Our Water Website Has Lots of Great Information on How to Save Water](#)

[Drought Water Winks Do You Use Water Winks? From Capacity Restrictions to Innovative Ideas for Drought, All our customers will benefit from...](#)

To comply with the state's order for a 25 percent statewide reduction in water use, the Contra Costa Water District has implemented its Drought Emergency Plan.

The District is required by the state to reduce water consumption overall by 25 percent, and is requiring its single-family and multi-family residential, commercial and industrial customers to save 25 percent compared to 2013 and its irrigation customers to save 45 percent.

Smart Saving Water Now

To encourage all residential customers to meet the 25 percent reduction requirement, the District's Board of Directors approved on July 3 temporary pricing adjustments as called for in the [Governor's Executive Order](#).

This includes a temporary pricing adjustment for households that use more than an average of 200 gallons per day. This would temporarily increase the unit cost of treated water by 60 cents a unit to 7.40 gallons of water. The temporary pricing adjustment would end once the emergency order is lifted.

The Board has also implemented fines of up to \$500 for violations of prohibitions. Prohibited uses include watering your lawn more than twice a week, car washing a car without a catchment bucket on the hose, hosing the driveway, etc. The penalties of fines only apply to the prohibited uses, and do your water bill or exceeding your reduction requirement.

CCWD customers have been doing a great job at conserving and need to keep these efforts up this summer. Consistent with the state mandate and as temperatures rise, CCWD is looking to customers to focus on reducing their outdoor water use this summer to reduce these mandates.

If you use less than an average of 200 gallons per day, you will not be subjected to the temporary pricing adjustment. Households that reduce water use by 25 percent will be able to lower their bills. Please try to contribute to that.

FAQS

- [What is a drought emergency, and what impact does it have on me?](#)
- [How much do customers need to conserve?](#)
- [When will the CCWD Capacity Program be fully effect?](#)
- [How can I find my 2013 water use?](#)
- [Are there any fines?](#)

[View All](#)

Drought FAQs on a PDF

QUICK LINKS

- [Emergency Request Form](#)
- [Water Coupons Will Help You Save Water](#)
- [Car Wash Coupons](#)
- [Report Water Winks or Water Theft](#)
- [Save Our Water](#)

[View All](#)

2015 WATER WASTE PROHIBITIONS FACT SHEET

California is experiencing an extremely severe drought. Contra Costa Water District (CCWD) is asking its customers to do their part to conserve water.

- Residential and commercial customers are required to reduce water use by 25% compared to 2013
- Irrigation customers are required to reduce water use by 45% compared to 2013

The following uses of water supplied by CCWD have been determined to be wasteful and are prohibited.

- Watering outdoor landscapes more than two days per week
- Watering outdoor landscapes during the daylight hours of 9 a.m. and 5 p.m.
- Watering outdoor landscapes in a manner that causes excessive runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures
- Watering outdoor landscapes during and up to 48 hours after measurable rainfall
- Washing a vehicle, trailer or boat using a hose without a shut off nozzle
- Washing paved or other hard-surfaced areas, including sidewalks, walkways, driveways, patios, and parking areas
- Use of water for non-recirculating decorative fountains or filling decorative lakes or ponds. The District strongly suggests all fountains be turned off
- Watering turfgrass on public street medians
- Serving drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served or purchased
- Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. A notice shall be prominently displayed in each bathroom
- Watering landscapes of newly constructed homes and buildings not in accordance with emergency regulations or other requirements established by the Building Standards Commission and the Department of Housing and Community Development
- Recycled water must be used for construction and dust control where available

Violations of the Prohibited Uses

If a customer violates a prohibited water use, CCWD will first issue a warning and work with the customer to educate them about the prohibition and the violation. If the violation occurs a second time, the District will issue a \$250 fine. If the violation occurs a third time, the District will issue a \$500 fine. If the violation continues, the District may suspend water service. In addition to the fines, a penalty may be charged of \$10 per 748 gallons used in violation of the prohibition.



DROUGHT SURVIVAL 101

SAVING WATER IN THE LANDSCAPE

Watering Trees and Shrubs

Mature trees and shrubs are often the most valuable landscape plants, and they are often quite drought tolerant. Water mature trees and shrubs one-day per week and maintain a 2" to 3" layer of mulch in all landscape areas.

Watering Lawns

During the Drought, consider letting ornamental lawns go without water. Because lawn is the largest water using plant in most landscapes, this can save a considerable amount of water. If you do want to maintain a lawn through the drought, you are prohibited from watering more than two days per week, which is sufficient for lawns to survive.

Annual flowers

This is a good year to eliminate the use of annual flowers. Annuals, like lawns, use a lot of water.

Mulch Mulch Mulch

The single most important thing you can do for your trees and shrubs is to maintain a 2" to 3" layer of mulch in all planting areas. This will maintain soil moisture and reduce plant stress during the hot summer. Don't use a blower in shrub beds as it removes mulch.

Have a Leak?

The best way to check for a leak is to first make sure all water is turned off and then read your water meter. The meter will have an odometer like a car and a dial. Write down (or take a photo) the numbers and the location of the dial. Then wait one hour and do it again. If the meter has not changed, you don't have a leak. If it does change, you can then determine how big a leak you have.

Read your meter

Read your water meter on a weekly basis and keep a log of the usage. You can then compare your water use (average gallons per day) to your target, and adjust your watering schedule as needed.

Water early or late

Outdoor watering between 9 a.m. and 5 p.m. is prohibited. You can save water by irrigating in the early morning or in the evening, when temperatures are cooler.

Sweep, don't spray

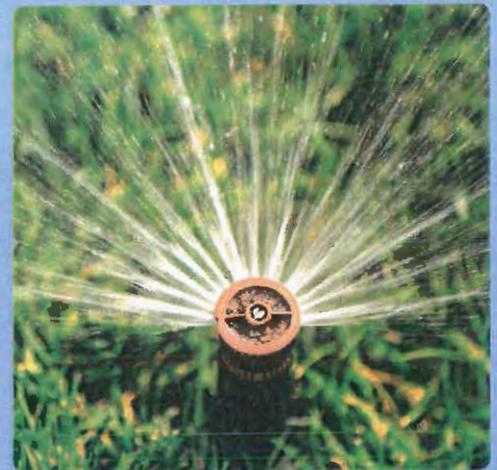
Hosing down a driveway or patio is prohibited and you could save up to 10 gallons per minute by using a broom.

Inspect Sprinklers and Drip

Check your irrigation system for broken or misaligned sprinkler heads. Also check drip systems for missing or broken emitters. Maintaining the system in good working order will save water and keeps the landscape looking good.

Irrigation Timer

Irrigation timers can waste a considerable amount of water if not managed properly. Check the schedule regularly to ensure you are only watering when you want to. Alternatively, turn the timer to the off position and just turn it on when you want to water.



CONTRA COSTA
WATER DISTRICT
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DROUGHT SURVIVAL 101

SAVING WATER INDOORS

Replace old toilets

If your toilets were installed prior to 1994, consider replacing them. Toilets made prior to 1994 use 3.5 to 5.0 gallons per flush. New toilets now only use 1.28 gallons per flush and perform better than ever.

Full Loads

Run washing machines and dishwashers with full loads only.

Hand Washing Dishes

It is generally better to use a dishwasher. But, when washing dishes by hand, don't let the water run. Instead fill one basin with wash water and the other with rinse water.

Showerhead

Install a new low-flow showerhead. Look for one that has a flow rate of 2.0 gallons per minute or less.

Shaving

Turn off the faucet when shaving or brushing your teeth.

Garbage Disposal

Use the garbage disposal sparingly. Instead you can compost vegetable food waste and save gallons every time.

Replace old Clothes Washers

If your clothes washer is an older top-loading model consider replacing it with a new high efficiency model. New clothes washers use half the water and energy and are also kinder to your clothes.

Bucket in the Shower

Many homeowners use a bucket in the shower to catch water. This can be used to water plants or flush the toilet.

Avoid Rinsing Dishes

Instead of rinsing dishes before putting them in the dishwasher, scrape food scraps into a compost bin. Modern dishwashers are pretty good at cleaning stuck on food.

Toilet Flushing

Consider whether or not to flush the toilet after every use.



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WATER DISTRICT

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Save Our Water
What You Should Know
What You Can Do
What You Can Do
WITH A TAP



Drought facts

On January 3, the state conducted its first snow survey of the wet season and found more bare ground than snow. Statewide, the snowpack water content is just 20 percent of average for this time of year.



The Sierra Nevada snowpack melts in the spring and summer. It collects in reservoirs to provide about one-third of the water Californians use each year.

Many parts of California — including Sacramento and Los Angeles — marked calendar year 2013 as the driest on record.

River levels are low around the state. Along the North Coast, the Russian River, and the upper Sacramento River, levels are at their lowest points ever for this time of year.

These extremely dry conditions follow two previous dry years statewide.

Storage in the big reservoirs that typically help California cope with dry weather is well below average for this time of year.

The state's two biggest reservoirs, Shasta and Oroville, are both at 57 percent of historical levels for the date.

The Department of Water Resource's late November experimental seasonal forecast for the water year sees mostly dry conditions for the state.

On average, about half of California's statewide precipitation occurs in December, January and February. Only a handful of large winter storms account for the difference between a wet year and a dry one in California.

Other years have started dry and ended with normal or above-normal precipitation. Each dry day that passes makes it less likely that will happen.

Conservation why and how

[Drought history](#)

[Drought facts](#)

[Water sources](#)

[Climate change](#)

[Environmental problems](#)

Chapter 17.80

LANDSCAPE WATER CONSERVATION STANDARDS

Sections:

- 17.80.010 Title and Purpose
- 17.80.020 Definitions
- 17.80.030 Applicability
- 17.80.040 Landscape Project Application (LPA) Requirements
- 17.80.050 Water Efficient Landscape Standards
- 17.80.060 Landscape Plan Requirements
- 17.80.070 Landscape Water Audit Requirements
- 17.80.080 Certifications
- 17.80.090 Landscape and Irrigation Maintenance Schedule
- 17.80.100 Stormwater Management
- 17.80.110 Provisions for Existing Landscapes
- 17.80.120 Public Education

17.80.010 Title and Purpose. This Chapter shall be known and may be cited as the Landscape Water Conservation Standards Ordinance of the City of Clayton for the purpose of implementing within Clayton the Water Conservation in Landscaping Act of 2006.

17.80.020 Definitions. Certain words and phrases are defined within this Chapter and the definitions herein apply to this Chapter only. Where it appears from the context of such words, phrases, or provisions that a different meaning is intended, the definition shall be determined by the Community Development Director.

- A. “Applicant” means the individual or entity submitting a Landscape Project Application (LPA) required under Section 17.80.040 of this Chapter to request a permit, plan check, or design review from the City of Clayton, or requesting new or expanded water service from the local water district. A project applicant may be the property owner or his or her designee.

- B. “Applied water” means the portion of water supplied by the irrigation system to the landscape.
- C. “Backflow prevention device” means a safety device used to prevent pollution or contamination of the water supply due to the reverse flow of water from the irrigation system.
- D. “Certified irrigation system auditor” means a person certified by the U.S. Environmental Protection Agency’s WaterSense Irrigation Partners Program.
- E. “Conversion factor (0.62)” means the number that converts acre-inches per acre per year to gallons per square foot per year.
- F. “Emission Device” means any device that is contained within an irrigation system that is used to apply water. Common emission devices in an irrigation system include, but are not limited to, spray and rotary sprinkler heads, bubblers, and drip irrigation emitters.
- G. “Estimated Total Water Use (ETWU)” means the estimated total water used for the landscape, as described in the City of Clayton Water Allowance Work Sheet.
- H. “ET adjustment factor (ETAF)” means a factor of 0.7, that, when applied to reference evapotranspiration, adjusts for plant factors and irrigation efficiency, two major influences upon the amount of water that needs to be applied to the landscape. ETAF for a Special Landscape Area shall be 1.0.
- I. “ETo” stands for Reference Evapotranspiration, and means the water loss from a large field of 4-7 inch-tall, cool-season grass that is not water stressed. Local ETo numbers can be found through the California Irrigation Management Information System (CIMIS).
- J. “Evapotranspiration” means the combination of water transpired from plants and evaporated from the soil and plant surfaces.
- K. “Flow rate” means the rate at which water flows through pipes, valves, and emission devices, measured in gallons per minute, gallons per hour, or cubic feet per second.
- L. “Geometry” means the size, shape, and angles of an area.
- M. “Hardscape” means any durable material (pervious and non-pervious).
- N. “Hydrozone” means a portion of the landscaped area having plants with similar water needs. This ordinance uses the publication *Water Use Classification of Landscape Species* (WUCOLS) to determine a plant’s water needs. A hydrozone may be irrigated or non-irrigated.

- O. "Landscape water audit" means an in-depth evaluation of the installed landscape to verify the landscape complies with the Water-Efficient Landscape Standards of the City of Clayton Landscape Water Conservation Standards Ordinance, and completes the Certificate of Compliance for a Landscape Water Audit.
- P. "Irrigation efficiency (IE)" means the measurement of the amount of water beneficially used divided by the amount of water applied. Irrigation efficiency is derived from measurements and estimates of irrigation system characteristics and management practices. The irrigation efficiency for purposes of this Chapter is 71%. Greater irrigation efficiency can be expected from well-designed and well-maintained systems.
- Q. "Irrigation survey" means an evaluation of an irrigation system that is less detailed than an irrigation audit. An irrigation survey includes, but is not limited to, inspection, system test, and recommendations to improve performance of the irrigation system.
- R. "Irrigation water use analysis" means an analysis of water use data based on meter readings and billing data.
- S. "Landscape area" means all the planting areas, turf areas, and water features in a landscape design plan subject to the Maximum Applied Water Allowance calculation. The landscape area does not include footprints of buildings or structures, sidewalks, driveways, parking lots, decks, patios, gravel, or stone walks, or other pervious or non-pervious hardscapes, and other non-irrigated areas designated for non-development (e.g., open spaces and existing native vegetation).
- T. "Landscape contractor" means a person licensed by the State of California to construct, maintain, repair, install, or subcontract the development of landscape systems.
- U. "Lateral line" means the water delivery pipeline that supplies water to the emitters or sprinklers from the valve.
- V. "Maximum Applied Water Allowance (MAWA)" means the upper limit of annual applied water for the established landscaped area, as specified in the City of Clayton "Water Allowance Work Sheets".
- W. "Medians" mean any planting area that separates traffic lanes on streets and parking areas in parking lots.
- X. "Mulch" means any organic material, such as leaves, bark, straw, or compost; or inorganic mineral materials, such as rocks, gravel, and decomposed granite left loose and applied to the soil surface for the beneficial purposes of reducing evaporation, suppressing weeds, moderating soil temperature, and preventing soil erosion.

- Y. “Non-Permeable” means any surface or material that will not allow the passage of water through that surface or material into the underlying soil at a rate that ensures run-off will not occur.
- Z. “Operating pressure” means the pressure at which the parts of an irrigation system are designed by the manufacturer to operate.
- AA. “Overhead irrigation” means systems that deliver water through the air (e.g., sprayheads and rotors).
- BB. “Overspray” means the irrigation water that is delivered beyond the target area.
- CC. “Permit” means an authorizing document issued by local agencies for new construction or rehabilitated landscapes.
- DD. “Plant factor” or “plant water use factor” is a factor that, when multiplied by ETo, estimates the amount of water needed by plants. The plant factors for this Chapter are from the WUCOLS publication.
- EE. “Precipitation rate” for this Chapter means the rate of application of water measured in inches per hour.
- FF. “Project” means the total area comprising the landscape area, as defined in this Chapter.
- GG. “Rain switch” or “rain sensing shutoff device” means a component that automatically suspends an irrigation event when it rains.
- HH. “Reference evapotranspiration” or “ETo” means a standard measurement of environmental parameters that affect the water use of plants.
- II. “Rehabilitated landscape” means any re-landscaping project that requires a permit, plan check, or design review, or requires a new or expanded water service application.
- JJ. “Retail water supplier” means any entity, including a public agency, city, county, district or private water company that provides retail water service.
- KK. “Runoff” means water that is not absorbed by the soil or landscape to which it is applied and that flows from the landscape area.
- LL. “Smart irrigation controllers” means controllers using weather information or soil moisture readings along with site information to automatically adjust the irrigation schedule on a daily basis.
- MM. “Soil moisture sensor” or “soil moisture sensing device” means a device that measures the amount of water in the soil. The device may also suspend or initiate an irrigation event.

- NN. "Special Landscape Area (SLA)" means an area of the landscape dedicated solely to edible plants, such as vegetable gardens or orchards, areas irrigated with recycled water, water features using recycled water, cemeteries, and areas dedicated to active play, such as parks, sports fields, and golf courses where turf provides a playing surface.
- OO. "Sprinkler head" means a device that delivers water through a nozzle.
- PP. "Station" means an area served by one valve or by a set of valves that operate simultaneously.
- QQ. "Turf" means a ground cover surface of mowed grass. Kentucky bluegrass, Perennial ryegrass, Red fescue, and Tall fescue are examples of cool-season grasses. Bermuda grass, Kikuyu grass, Seashore Paspalum, St. Augustine grass, Zoysia grass, and Buffalo grass are examples of warm-season grasses.
- RR. "Valve" means a device used to control the flow of water in the irrigation system.
- SS. "Water feature" means a design element where open water performs an aesthetic or recreational function. Water features include ponds, lakes, waterfalls, fountains, artificial streams, spas, and swimming pools (where water is artificially supplied).
- TT. "WUCOLS" means the Water Use Classification of Landscape Species, published by the University of California Cooperative Extension, the Department of Water Resources, and the Bureau of Reclamation, 2000. (WUCOLS) report is available at <http://www.water.ca.gov/wateruseefficiency/publications/>. Search for WUCOLS, and then go to Part 2 WUCOLS III* 1999 Edition.

17.80.030 Applicability. After October 21, 2010 the indicated provisions of this Chapter shall apply to landscape projects as follows:

- A. **Developer Projects:** New and rehabilitated landscape development for commercial, multi-family, and single family projects with irrigated landscape areas cumulatively equal to or greater than 2,500 square feet and requiring a building permit, grading permit, plan check, or design review shall complete the Landscape Project Application (LPA) described in Section 17.80.040, and comply with all other Sections of this Chapter.
- B. **Municipality and Public Agency Projects:** New and rehabilitated projects designed and installed by the City of Clayton with irrigated landscape areas cumulatively equal to or greater than 2,500 square feet shall comply with Sections 17.80.050, 17.80.060, 17.80.070, 17.80.080, 17.80.090, and 17.80.100.

- C. Owner-Directed Single Family Projects: New and rehabilitated owner-directed single family projects with irrigated landscape areas cumulatively equal to or greater than 5,000 square feet and requiring a building permit, grading permit, plan check, or design review shall complete the Landscape Project Application (LPA) described in Section 17.80.040, and comply with all other Sections, except Section 17.80.090, of this Chapter.
- D. Existing Landscapes: Existing landscapes are only subject to the provisions in Section 17.80.110, "Provisions for Existing Landscapes" and Section 17.80.120, "Public Education".
- E. The provisions of this Chapter shall not apply to:
 - 1. Landscapes that are only temporarily irrigated for establishment purposes and landscapes that are not irrigated with a permanent irrigation system.
 - 2. Registered local, state or federal historical sites, or as determined by the City Council;
 - 3. Community gardens, botanical gardens and arboretums open to the public.

17.80.040 Landscape Project Application (LPA) Requirements. Applicant shall choose one of the two options below to comply with this Chapter:

- A. Option A: Proposed landscape project does not include any:
 - 1. Water features with more than 100 square feet of total surface area;" or
 - 2. Turf or other high water use plants, unless they qualify as a "Special Landscape Area. High water use plants are those designated as 'high water use' in the Water Use Classification of Landscape Species (WUCOLS) report¹.

The applicant shall complete the following:

- 1. Project Application Sheet.
- 2. Certification Sheets.
- 3. Landscape Plans (See Section 17.80.060);
- 4. Maintenance Schedule (See Section 17.80.090).

- B. Option B: Proposed landscape project does include:

- 1. Water features with more than 100 square feet of total surface area; or

¹ Water Use Classification of Landscape Species (WUCOLS) report which is available at <http://www.water.ca.gov/wateruseefficiency/publications/> A Guide to Estimating, Part 2.

2. Turf or other high water use plants not qualifying as a “Special Landscape Area.” The Estimated Total Water Use (ETWU) for the proposed landscape shall not exceed the Maximum Applied Water Allowance (MAWA) for the site. The MAWA formula will use an ET Adjustment Factor of 0.7.

The applicant shall complete the following:

1. Project Application Sheet.
2. Certification Sheets.
3. Water Allowance Work Sheets.
4. Landscape Plans (See Section 17.80.060).
5. Maintenance Schedule (See Section 17.80.090).

An applicant requesting design review approval shall submit, at a minimum, a preliminary landscaping plan with the design review application; however, the applicant must submit all components of the Landscape Project Application (LPA) concurrently with the application for building permit or grading permit for the project.

The Community Development Director or his/her designee shall review each LPA for compliance with the provisions of this Chapter and may withhold issuance of zoning approval for a building permit or grading permit for which its corresponding LPA does not comply with this Chapter.

17.80.050 Water Efficient Landscape Standards. The proposed landscape design shall incorporate the most recent acceptable best management practices as determined by the City of Clayton for water-efficient landscape design and shall comply with the following standards:

- A. Plant Design:
 1. Plants selected shall be well suited to the area’s climate and the site’s soil conditions.
 2. The proposed landscape shall be designed so that distinct hydrozones are irrigated separately by one or more irrigation valves. A hydrozone is an area with similar sun exposure, irrigation precipitation rate, soil conditions, slope, and plant material with similar water needs. Refer to the WUCOLS report for plant water needs.
 3. Plants shall be spaced appropriately based on their expected mature spread.
 4. If the geometry of the planting area does not conform to the spray pattern of the sprinkler, resulting in overspray onto the adjacent pavement, then overhead irrigation shall not be used.

5. Plants shall be spaced so that at mature size they do not block sprinklers.
6. Turf shall not be planted on slopes steeper than 15%.
7. Turf shall not be planted in any medians or in areas narrower than 8'0".

B. Irrigation System:

The irrigation system design shall comply with the following requirements:

1. Smart irrigation controller(s) using one of the below methods shall be required on all irrigation systems:
 - a. Daily evapotranspiration data; and
 - b. Daily soil moisture sensor data.
2. Specify a dedicated landscape water meter for landscapes with an irrigated area greater than 5,000 square feet, or per retail water supplier regulations.
3. Recycled water shall be used for landscape irrigation if it is available at the project site.
4. Specify technology and practices to prevent runoff, low head drainage, overspray, or other water waste.
5. Overhead irrigation shall not be permitted within 12" of any non-permeable surface.
6. Specify sprinkler heads and other emission devices that have matched precipitation rates within each irrigation zone. No irrigation zone shall specify a precipitation rate greater than 1.2 inches per hour. On slopes steeper than 25%, the specified precipitation rate shall not exceed 0.75 inches per hour.
7. Specify irrigation controls so the dynamic water pressure at sprinkler head or other emission device is within manufacturer's recommended optimal operating range.
8. No overhead irrigation shall be specified in planting areas less than 8'0" wide in any dimension, unless demonstrated that water waste will not occur.
9. Specify a manual shut-off valve for each point of connection and specify that each shut-off valve be identified on the controller map.
10. Prepare a controller map and programming table and specify that this be stored in the controller cabinet. The controller map shall visually differentiate each controller zone. For each irrigation valve, the controller programming table shall list the plant water requirement (high, medium,

low, or very low), the sun exposure, irrigation emission device type, precipitation rate, station flow rate, optimal pressure, soil type, infiltration rate, square foot area, and degree of slope.

11. Each irrigation valve shall control irrigation to only one distinct hydrozone. A hydrozone is an area with similar sun exposure, irrigation precipitation rate, soil conditions, slope, and plant material with similar water needs. Refer to the WUCOLS report for plant water needs.
12. Specify a separate irrigation valve and hydrozone for the top of a slope and the bottom of a slope.

C. Water Features:

1. All water features shall have re-circulating water systems.
2. Fountain(s) shall be designed so that no wind drift or overspray occurs.

D. Grading and Soil Preparation:

The landscape design shall:

1. Comply with Storm Water Control Plan requirements (C.3), if applicable.
2. Be designed to improve or maintain the infiltration rate of landscape soils typical of their soil texture and minimize soil erosion.
3. Be designed to avoid drainage onto non-permeable hardscapes within the property lines and prevent runoff of all irrigation and natural rainfall outside property lines.
4. Only specify soil amendments if appropriate for the selected plants.
5. Specify a minimum two-inch layer of mulch shall be applied on all exposed soil surfaces of planting areas unless there is a horticultural reason not to use mulch in a portion of the planting area. Mulch, such as shredded bark, shall be specified in bioretention areas so that they will stay in place during rain events.

17.80.060 Landscape Plan Requirements. The Landscape plans shall demonstrate that all the water-efficient landscape standards have been met:

A. The planting plan shall:

1. Identify Special Landscape Areas. Special Landscape Areas include: landscape dedicated solely to edible plants, such as vegetable gardens or orchards, areas irrigated with recycled water, water features using recycled water, cemeteries, and areas dedicated to active play, such as parks, sports fields, and golf courses where turf provides a playing surface.

2. Identify plants by their common and botanical names.
3. Identify type and surface area of water features.

B. The irrigation plan shall:

1. Show the location and size of the landscape irrigation water meter.
2. Show the location, type and size of all components of the irrigation system, including, but not limited to, controllers, main and lateral lines, valves, sprinkler heads, moisture sensing devices, rain switches, quick couplers, pressure regulators, and backflow prevention devices.
3. Identify the static water pressure at the point of connection to the public water supply.
4. Identify the flow rate (gallons per minute), application rate (inches per hour), and design operating pressure (pressure per square inch) for each station.

C. Landscape plans shall include details and specifications reflecting the most recent acceptable best management practices as determined by the City of Clayton for water-efficient landscape design.

17.80.070 Landscape Water Audit Requirements. A landscape water audit shall be performed to ensure that the installed landscape meets the requirements of this Chapter.

- A. A landscape water audit shall be conducted within thirty (30) days of the start of the landscape maintenance period or, if no maintenance period, then upon completion of the landscape installation. An EPA WaterSense certified Irrigation System Auditor shall conduct the landscape audit and submit a Certificate of Compliance, Landscape Water Audit sheet.
- B. The Landscape Auditor shall inform the applicant of all non-compliance issues with the Ordinance. This shall include, but not be limited to, all items listed on the Certificate of Compliance, Landscape Water Audit sheet.
- C. All non-compliance issues shall be repaired and the site shall be re-audited for compliance with the criteria of this Chapter prior to final inspection/permit and final sign off.

17.80.080 Certifications. Water Efficiency Landscape Checklist/Certification sheets will be part of the Landscape Project Application (LPA) requirements.

- A. The person(s) creating the landscape design shall complete the Certificate of Compliance, Landscape Design sheet certifying the landscape has been designed to comply with the criteria of this Chapter.

- B. The Landscape Contractor/Installer shall complete the Certificate of Compliance, Landscape Installation sheet certifying the landscape has been installed, as specified in the Landscape Plans, and complies with the criteria of this Chapter.
- C. The Landscape Auditor shall complete the Landscape Certificate of Compliance, Water Audit sheet certifying the landscape and irrigation system have been installed, as specified in the Landscape Plans, and comply with the criteria of this Chapter.
- D. The Maintenance Contractor/Person shall complete the Certificate of Compliance, Landscape Maintenance sheet certifying the landscape maintenance contractor agrees to manage the property using less water than the Maximum Applied Water Allowance.
- E. While standards applications are not required for Municipality and Public Agency Projects involving "City" projects conducted by City staff, certifications (i.e., Design, Installation, Maintenance, and Auditing) are needed and the City's Maintenance Supervisors may sign-off on them.

17.80.090 Landscape and Irrigation Maintenance Schedule. The landscape designer or installer shall develop a landscape maintenance specification and schedule for the landscape project that is consistent with the most recent acceptable best management practices as determined by the City of Clayton for landscape maintenance. Schedules shall be submitted with the Certification of Completion.

- A. An annual landscape maintenance schedule shall include at least the following: routine inspection; adjustment and repair of the irrigation system and its components; aerating turf areas; replenishing mulch; seasonal pruning; weeding in all landscape areas; and removing obstructions to emission devices;
- B. Repair of all irrigation equipment shall be done with the originally installed components or their equivalents;
- C. Project shall be irrigated so that total annual water applied is less than or equal to the Maximum Applied Water Allowance (MAWA) (if applicable).

17.80.100 Stormwater Management. The proposed landscape shall comply with the requirements of the National Pollutant Discharge Elimination System intended to implement storm water best management practices into the planting, irrigation, and grading plans to minimize runoff and to increase on-site retention and infiltration.

17.80.110 Provisions for Existing Landscapes. This section applies to existing landscapes that were installed before [*insert effective date of Ordinance*].

- A. Irrigation Survey and Irrigation Water Use Analysis

To ensure the efficient use of landscape water, each owner of property in the City of Clayton is encouraged to utilize resources and services, such as

irrigation surveys and landscape water use analyses that are offered by the local retail or wholesale water utility.

B. Water Waste Prevention

Each owner of property in the City of Clayton shall prevent water waste resulting from inefficient landscape irrigation by prohibiting runoff from the target landscape areas due to excessive irrigation or inappropriate run times related to time of day, seasonal and/or variable weather conditions, low head drainage, overspray, or other similar conditions where water flows onto an adjacent property, walks, roadways, parking lots, or structures.

17.80.120 Public Education.

- A. All new model homes that are landscaped shall use signs, brochures and other written information to demonstrate the principles of water-efficient landscapes that are described in this Chapter.
- B. The architectural guidelines of a common interest development, which include homeowner associations, community apartment projects, condominiums, planned developments, and stock cooperatives, shall not prohibit conditions that have the effect of prohibiting the use of low water use plants as a group.
- C. For new homes/commercial developments, applicant/owner is required to provide the irrigation controller map and programming table and annual maintenance schedules to new tenants or owners at transfer of ownership/maintenance responsibility.
- D. The City of Clayton shall provide on its website links to resources that offer information about the principals of designing, installing, and maintaining water-efficient landscapes. An example of a link is to the local water utility, the Contra Costa Water District, and the landscape water conservation information that Agency offers.”



Water Allowance Work Sheets

Water Allowance Work Sheets are used to calculate water use in the form of Maximum Applied Water Allowance (MAWA) and Estimated Total Water Use (ETWU) for the landscape project.

These sheets are required if the project has turf or other high water use plants not qualified as a 'Special Landscape Area' or has water feature(s) with more than one hundred (100) total square feet of surface area. This is referred to as Option B of the Landscape Project Application Requirements of the Water-Efficient Landscape Ordinance.

Special Landscape Area is defined as an area of the landscape dedicated solely to edible plants, areas irrigated with recycled water, water features using recycled water, and areas dedicated to active play, such as parks, sports fields and golf courses where turf provides a playing surface.

The ETWU for the project can not exceed the MAWA for the project.

Calculate the MAWA for the project using the below formula and Factors:

$$\text{MAWA} = (\text{ETo}) (0.62) [(0.7 \times \text{LA}) + (0.3 \times \text{SLA})]$$

Where:

- MAWA = Maximum Applied Water Allowance (gallons per year)
- ETo = Reference Evapotranspiration (inches per year)
- 0.62 = Conversion Factor (to gallons)
- 0.7 = ET Adjustment Factor (ETAF)
- LA = Landscape Area including SLA (square feet)
- 0.3 = Additional Water Allowance Factor for SLA
- SLA = Special Landscape Area (square feet)

Step one: Multiple total project landscape area by 0.7, the ET Adjustment Factor

LA	Multiply	0.7	Equals	0.7 x LA
	x		=	

Step two: Multiple total Special Landscape Area by 0.3, the Additional Water Allowance Factor

SLA	Multiply	0.3	Equals	0.3 x SLA
	x		=	

Step 3: Add Adjusted LA and adjusted SLA Water Allowances

0.7 x LA	Plus	0.3 x SLA	Equals	0.7 x LA + 0.3 SLA
	+		=	

Step four: Multiple Reference Evapotranspiration by the conversion factor and Total Adjusted Water Allowance

ET _o	Multiply	Conversion factor	Multiply	0.7 x LA + 0.3 x SLA	Equals	MAWA
	x	0.62	x		=	

Calculate the ETWU for the project using the below formula and Factors. A Hydrozone Table will need to be completed prior to completing the ETWU calculation, to determine the total area by hydrozone type.

$$ETWU = (ET_o)(0.62) \left(\frac{PF \times HA}{0.71} + SLA \right)$$

Where:

- ETWU = Estimated Total Water Use per year (gallons)
- ET_o = Reference Evapotranspiration (inches)
- PF = Plant Factor (see Definitions)
- HA = Hydrozone Area [high, medium, low and very low water use areas] (square feet)
- SLA = Special Landscape Area (square feet)
- 0.62 = Conversion Factor
- 0.71 = Irrigation Efficiency

Step one: Multiple the Plant Factor by the total area of that plant water need category

Plant Factor	Multiply	Total Hydrozone Area	Equals	PF x HA
High (0.8)	x		=	
Medium (0.5)	x		=	
Low (0.3)	x		=	
Very Low (0.1)	x		=	

Step two: Add up the Total Adjusted Hydrozone Allowances

High PF x HA	Plus	Medium PF x HA	Plus	Low PF x HA	Plus	Very Low PF x HA	Equals	Total PF x HA
	+		+		+		=	

Step three: Divide the Total Adjusted Hydrozone Allowance by 0.71, minimum Irrigation Efficiency

Total PF x HA	Divided by	Irrigation Efficiency	Equals	Total PF x HA / 0.71
	/	0.71	=	

Step four: Add the SLA Area to the total (PF x HA / 0.71)

Total PF x HA / 0.71	Plus	Total Special Landscape Area	Equals	Total PF x HA / 0.71 + SLA
	+		=	

Step five: Multiply the yearly ETo times the Conversion Factor times the total (PF x HA / 0.71 + SLA)

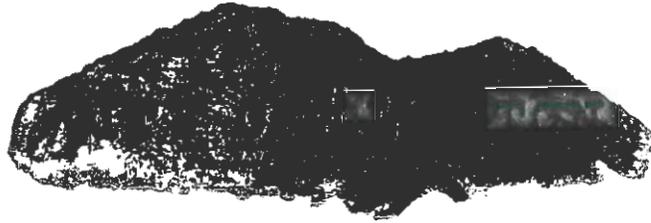
Yearly ETo	Multiple	Conversion Factor	Multiple	PF x HA / 0.71 + SLA	Equals	ETWU (must be equal to or lower than the MAWA)
	x	0.62	x		=	

Record Project's square footage, by station number, on the Hydrozone Table, under the correct category. Use WUCOLS to determine the correct hydrozone category for the plants watered by each irrigation valve. Use the highest water needing plant irrigated by a valve to set that valve's water need category.

Hydrozone Table

Station Number	High Water Needs (sq. Ft.)	Medium Water Needs (Sq. Ft.)	Low Water Needs (Sq. Ft.)	Very Low Water Needs (Sq. Ft.)	Special Landscape Area (Sq. Ft.)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					

20					
21					
22					
23					
24					
Totals					



Certificate of Compliance Landscape Installation

Project name: _____

Project Address/Parcel No.: _____

Applicant Name: _____

Applicant Address: _____

- Installed Project Area Measurements match those of the Landscape Design Plans.
- Plant material is the same as that specified in the plans and any substitutes are determined to be equivalent or less in water need, per *Water Use Classification of Landscape Species (WUCOLS)*.
- Installation incorporates most recent acceptable best management practices for water efficient landscape design.
- Any plant substitutes are well suited to the local climate and soil conditions.
- All plants are located per the design plan.
- Irrigation hydrozones are the same as plans and any field-adjusted irrigation zones were installed so that distinct hydrozones are irrigated separately by one or more irrigation valves.
- Changes to irrigation system or plant material shall maintain distinct hydrozones that are irrigated separately by one or more irrigation valves
- No turf is installed in medians, areas narrower than eight feet, or on slopes greater than 15%.
- All irrigation equipment is the same as specified, and any substitutes are equivalent.
- Automatic irrigation controller(s) installed utilize ET or soil moisture sensors.
- Point of connection (POC) is the same as specified in the plans.
- System has been installed and tested to prevent run-off, low head drainage, and overspray.
- No overhead irrigation is installed within 12 inches of any non-permeable surface.
- Sprinkler stations have matched precipitation rates for each irrigation zone, with a maximum precipitation rate of 1.2 inches per hour or 0.7 inches per hour for all slopes of 25% or greater.
- No overhead irrigation is used in areas less than eight feet wide in any direction.
- Manual shutoff valves are specified at each POC.
- A controller map and programming table were placed in all irrigation controller cabinets.
- Separate irrigation valves were installed and hydrozones created for the top of a slope and bottom of a slope.

- All water systems have functioning re-circulating water systems.
- Fountain(s) and their nozzles are maintained so that no wind drift or overspray will occur.
- Installation complies with Storm Water Control Plan requirements.
- Installation work minimized any soil erosion and maintained or improved the landscape soil's infiltration rate.
- Installation avoids drainage onto non-permeable hardscapes within the project and prevents run-off irrigation and rainfall outside property lines.
- Only specified soil amendments that are appropriate for the selected plants were used.
- A minimum of 2 inches of mulch for all exposed soil surfaces in non-turf planting areas.

I/We certify that the landscape has been installed as specified in the landscape plans for the above-listed project to comply with the Water-Efficient Landscape Standards and Landscape Plan Requirements of the City of Clayton Water Efficient Landscape Ordinance.

Installer's Name

Company Name

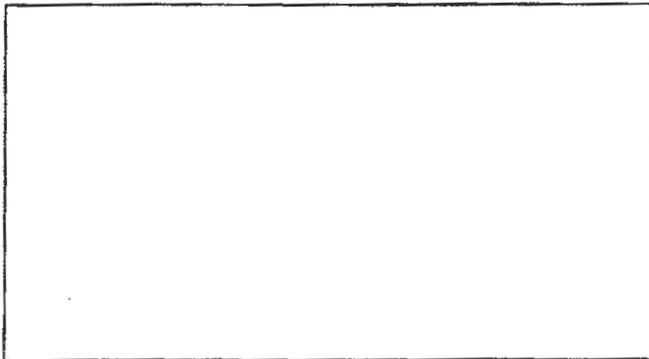
Address

Telephone

E-Mail

Professional License Number

Date



Professional Stamp



Certificate of Compliance Landscape Water Audit

Project name: _____

Project Address/Parcel No.: _____

Applicant Name: _____

Applicant Address: _____

- Installed Project Areas match those of the Landscape Design Plans.
- Plant material is the same as that specified on the plans, with any plant material substitutes being equivalent or less in water need per *Water Use Classification of Landscape Species (WUCOLS)*.
- Project has incorporated most recent acceptable best management practices for water-efficient landscape design.
- Plants used are well suited to the local climate and soil conditions.
- Plants are spaced appropriately based on their expected mature size.
- Overhead irrigation was not used where it would result in overspray.
- Plants are spaced so at mature size they do not block sprinklers.
- Distinct hydrozones are irrigated separately by one or more irrigation valves.
- No turf is planted in medians, areas narrower than eight feet, or on slopes greater than 15%.
- Smart irrigation controller(s) utilizing ET or soil moisture sensors are installed.
- Point of Connection (POC) is same as specified in plans.
- Recycled water is used, if available.
- Irrigation system has no runoff, low head drainage, and overspray.
- No overhead irrigation is installed within 12 inches of any non-permeable surface.
- Sprinkler stations have matched precipitation rate for each irrigation zone, with a maximum precipitation rate of 1.2 inches per hours or 0.7 inches per hour for all slopes of 25% or greater.
- Dynamic water pressure at sprinkler heads and other emission devices is within manufacturer's specifications.
- No overhead irrigation is installed in areas less than eight feet wide in any direction.
- Manual shutoff valves are installed at each POC.
- Controller map(s) and programming table(s) are in all irrigation controller cabinets.
- Separate irrigation valves are installed for the top of a slope and bottom of a slope, and designated as separate hydrozones.
- A re-circulation system has been installed for all water features.
- Fountains and their nozzles have no wind drift or overspray.

- Project complies with Storm Water Control Plan requirements.
- Site's landscape soils infiltration rate is the same as or better than native soil of area.
- Project does not drain onto non-permeable hardscapes within the project, and no runoff of irrigation and rainfall can occur outside property lines.
- Only specified soil amendments that are appropriate for the selected plants were used on project.
- A minimum of two inches of mulch is installed for all exposed soil surfaces in non-turf planting areas.

I/We certify that the landscape for the above-listed project complies with the Landscape Water Conservation Standards of the City of Clayton Landscape Water Conservation Ordinance.

Auditor's Name

Company Name

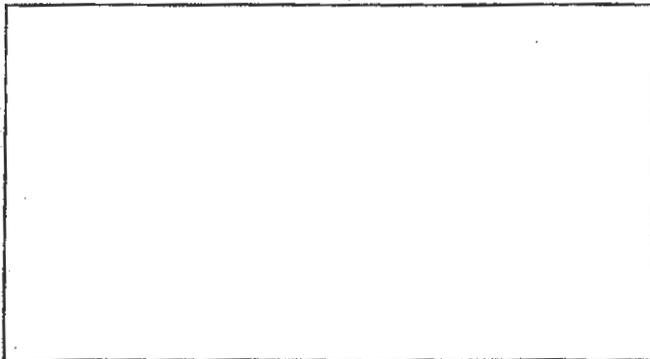
Address

Telephone

E-Mail

Professional License Number

Date



Professional Stamp

INTRODUCE ORDINANCE AMENDING THE MUNICIPAL CODE TO INCLUDE THE 2013 STATE REGULATORY BUILDING CODES.

One of the most significant changes in the California Building Code is the reformatting of the accessibility standards for non-residential buildings to correspond to the format used by the Americans with Disabilities Act.

The new format is easier for staff and designers to understand and clarifies areas of regulation that were not well-defined in the previous versions. The regulations now require temporary construction trailers that are used for offices, plan reading, and/or administrative functions to be fully accessible and temporary trailers used solely for construction material storage not to be subject to the accessibility regulations. This is a significant change as most construction sites have trailers for these uses and will be subject to these provisions.

One important change in both the California Building Code and the California Residential Code is that the codes now exempt fences 7 feet or less in height from requiring a building permit to construct, regardless of the material used for the fence. This is a relaxation of the current code requirements, which exempts fences up to 6 feet in height.

The California Green Building Standards Code (CALGreen) has undergone significant change. It now addresses residential buildings four stories or more in height. The new code now includes additions, remodels, and improvements to both residential and non-residential projects as triggers to the green building standards. The current 2010 California Green Building Standards Code only applies to brand new residential buildings three stories or less and to brand new non-residential buildings. Thus, the new standards will have a significant impact on alterations, additions, and tenant improvement projects in the City.

An additional change in the CALGreen regulations is that it will require single-family residential buildings undergoing permitted alterations, additions, or improvements to replace non-compliant plumbing fixtures with water-conserving plumbing fixtures. It will also require multifamily residential real property and commercial real property to replace non-complying plumbing fixtures with low-flow fixtures under any of the following circumstances:

- Building additions that would increase the floor area by more than 10 percent would require the plumbing fixtures throughout the building to be upgraded.
- Alterations or improvements greater than \$150,000 would require existing plumbing fixtures that service the area of alterations or improvements to be upgraded.
- Regardless of the cost of construction of the alteration or improvement, existing plumbing fixtures in the same room undergoing an alteration or improvement would be required to be upgraded. Fixture replacements under these conditions would be required prior to issuance of a certificate of occupancy or final of the permit in all cases. These CALGreen changes essentially implement the requirements of Civil Code Sections 1101.1 through 1101.8.

The Chief Building Official will need to create policies around what permitted work will trigger these provisions. In order to have consistency between jurisdictions, the Chief Building Official will be working with TUCC, the California Building Officials (CALBO) organization, and the development community to help develop consistent interpretations and policies in the region. The lack of specific definitions of terms for alterations or improvements, as they are used in the CALGreen code and Civil Code, generates the need for the Chief Building Official to interpret the definitions and the intent in these cases. As an example, re-roof permits are typically considered repairs and not considered to be alterations or improvements.

CALGreen continues to offer local jurisdictions the option of adopting more stringent green building standards by adopting one of two code-specified and defined tiers (Tier 1 and Tier 2) that increase the level of green building compliance. Staff is recommending that the City not adopt additional requirements over and beyond the basic mandatory requirements during this code adoption cycle to allow staff time to evaluate the CALGreen mandatory regulations during this cycle and observe the impacts on local development. As part of the City's adopted 2012 Climate Action Plan, staff will be considering bringing to City Council in FY2014-15 a proposed ordinance to incorporate Tier 1 into the CALGreen requirements.

Note that the 2013 California Fire Code is not part of this adoption. The Fire District will be taking proposed amendments to the County Board of Supervisors for approval over the next couple of months. Staff will be returning to the City Council sometime before the end of the first quarter of calendar year 2014 with the Fire District's amendments for ratification and adoption shortly after the Board of Supervisors' approval. The Fire Marshal has indicated to staff that the proposed Fire District amendments for the 2013 California Fire Code will not be changed significantly from the current amendments to the 2013 edition. In fact, the technical amendments regulating photovoltaic construction have been incorporated into the national fire code and, therefore, will be removed from the amendments. There will only be two administrative changes, per the Fire Marshal. The Fire Marshal also indicated that there will not be any break in Fire District service if the City of Concord postpones adoption of the 2013 California Fire Code.

Additional Code Adoption and Updates

To provide for the administration and enforcement of all the California construction codes required to be enforced by the City of Concord, staff is also proposing for the first time the local adoption of the 2013 editions of the California Energy Code, California Historic Building Code, and Existing Building Code. By adopting these codes, the City will have the administrative remedies in place to enforce the codes when violations occur. No amendments to these codes are proposed. To provide consistent and up-to-date codes, the Swimming Pool, Spa, and Hot Tub code of Chapter 14 Article XI is also being updated from the 1997 edition to the 2012 edition.

ORDINANCE NO. 452

AN ORDINANCE AMENDING THE CLAYTON MUNICIPAL CODE, CHAPTERS 15.01, 15.02, 15.03, 15.04, AND 15.05 TO BRING THE CITY'S BUILDING, ELECTRICAL, PLUMBING AND MECHANICAL CODES INTO COMPLIANCE WITH AND THEREBY ADOPT THE 2013 EDITIONS OF THE RESPECTIVE CALIFORNIA BUILDING STANDARDS CODES WITH CHANGES, ADDITIONS, AND DELETIONS AS ALLOWED BY STATE LAW (ZOA-06-13)

**THE CITY COUNCIL
City of Clayton, California**

THE CITY COUNCIL OF THE CITY OF CLAYTON DOES HEREBY ORDAIN AS FOLLOWS:

Section 1 Purpose, Intent, and Findings

This ordinance is adopted by the City Council of the City of Clayton ("City") to adopt the California Building Standards Commission's adopted and published 2013 Building Standards Code, which is comprised of the 2013 California Building, Residential, Green Building Standards, Electrical, Plumbing, and Mechanical codes. This Ordinance adopts the 2013 California Building Code (Volume I & Volume II), the 2013 California Residential Code, the 2013 California Green Building Standards Code, the 2013 California Electrical Code, the 2013 California Plumbing Code, and the 2013 California Mechanical Code, with changes, additions, and deletions that are necessary because of unique local conditions as set forth in Exhibit A to this Ordinance. It is adopted to mirror the Codes of the County of Contra Costa as required by the contract entered into between the City of Clayton and the County of Contra Costa wherein the County Building Inspection Division provides permitting and enforcement of these Codes for the City of Clayton. As of the effective date of this Ordinance, the provisions of this Building Code are controlling and enforceable within the limits of this jurisdiction. Further, this Ordinance is adopted pursuant to Health and Safety Code sections 17922, 17958, 17958.5, and 17958.7, and Government Code sections 50020 through 50022.10, based upon the findings set forth in attached Exhibit B, which are incorporated herein by reference.

Section 2 Action to Challenge This Ordinance

Any action or proceeding to attack, review, set aside, void or annul this ordinance must be commenced and the service made on the City no later than ninety (90) days after its effective date.

Section 3 Conflicting Ordinances Repealed

Any ordinance or part thereof, or regulations in conflict with the provisions of this ordinance, are hereby repealed. The provisions of this ordinance shall control with regard to any provision of the Clayton Municipal Code that may be inconsistent with the provisions of this ordinance.

Section 4 Severability

If any section, subsection, sentence, clause or phrase of this ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance. The Clayton City Council has declared that it would have passed this ordinance and each section, subsection, sentence, clause or phrase thereof irrespective of the fact that any one or more section, subsection, sentence, clause or phrase thereof be declared unconstitutional, invalid or ineffective.

Section 5 Public Hearing and Notice

The City held a public hearing on February 4, 2014 at which time all interested persons had the opportunity to appear and be heard on the matter of adopting this ordinance. The City published notice of the aforementioned public hearing pursuant to California Government Code Section 6066 on January 21, 2014 and January 28, 2014.

Section 6 Effective Date and Publication

This ordinance shall become effective thirty (30) days from and after its passage. The City Clerk shall certify to the adoption of this ordinance and shall cause a summary thereof to be published at least five (5) days prior to the meeting at which the proposed ordinance is to be adopted and shall post a certified copy of the proposed ordinance in the office of the City Clerk, and within fifteen (15) days of its adoption, shall cause a summary of it to be published, including the vote for and against the same, and shall post a certified copy of the adopted ordinance in the office of the City Clerk, in accordance with California Government Code Section 36933.

Section 7 Penalty for Violations

Any violation of this ordinance shall be subject to applicable provisions of Clayton Municipal Code Section 1.20.010. Penalty for Violations - Infractions and Misdemeanors.

Section 8 CEQA

The City Council finds that it can be seen with certainty that adoption of this ordinance will not have a significant adverse effect on the environment and is therefore exempt from California Environmental Quality Act pursuant to Section 15061(b)(3) of the CEQA Guidelines. Staff is directed to file a notice of exemption within five (5) days of the adoption of this ordinance.

The foregoing Ordinance was introduced at a regular meeting of the City Council of the City of Clayton held on the 7th day of January, 2014.

Passed, adopted and ordered posted at a regular meeting of the City Council of the City of Clayton on February 4, 2014, by the following vote:

AYES:

NOES:

ABSENT:

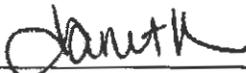
ABSTAIN:

The City Council of Clayton, California



Hank Stratford, Mayor

ATTEST:



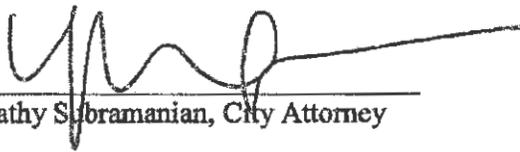
Janet Brown, Interim City Clerk

Attachments:

Exhibit A: Amended Chapter 15.09 of the Clayton Municipal Code

Exhibit B: Findings for Adoption of Ordinance No. 452

APPROVED AS TO FORM:



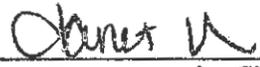
Malathy Subramanian, City Attorney

APPROVED AS TO ADMINISTRATION:



Gary A. Napper, City Manager

I hereby certify that the foregoing Ordinance was duly introduced at a regular meeting of the City Council of the City of Clayton held on the 7th day of January, 2014 and was duly adopted, passed and ordered posted at a regular meeting of the City Council held on February 4, 2014.



Janet Brown, Interim City Clerk

EXHIBIT A

Chapter 15.01

GENERAL PROVISIONS

Sections:

15.01.002	Application of general provisions.
15.01.020	Reference to officials in adopted codes.
15.01.101	Construction working hours.
15.01.202	Permits.
15.01.204	Fees.
15.01.206	State license required.
15.01.208	Misrepresentations in permit application.
15.01.210	Permit not approval of violations or determination of ownership.
15.01.211	Liability of City.
15.01.212	Expiration of permit.
15.01.214	Refunds.
15.01.402	Abatement procedure.
15.01.404	Stop work orders.
15.01.406	Entry on premises.
15.01.408	Correction notice.
15.01.410	Withhold permit.
15.01.412	Disconnection of utility service.
15.01.414	Power companies to notify City building official.
15.01.416	Enforcement of state law.
15.01.602	Reference to officials in adopted codes
15.01.604	General safety.
15.01.606	Liability of county.

15.01.002 Application of general provisions. These general provisions shall apply to all Chapters of this Title.

15.01.020 Reference to officials in adopted codes. Whenever reference is made in this Title or the codes adopted by reference in this title, to the "building inspector", "inspector", "electrical inspector", "plumbing inspector", "mechanical inspector", "building official", "Director of the Building Inspection Department", "City building inspector" or "City building official", it shall mean the Contra Costa County director of building inspection, county building official, building inspector, or any of his or her duly authorized deputies during such period when the County of Contra Costa is providing building inspection services for the City of Clayton an while such officials are acting as the City's representatives in such matters. These terms shall also include the City Manager, Community Development Director or City Engineer and their designees when enforcing the provisions of this title. Furthermore, references to "state" shall mean the State of California, to "Housing Act" shall mean the Housing Act of this state, to "county

building official, administrative authority, or fire chief” shall mean the director of building inspection of Contra Costa County, and to “county” shall mean the County of Contra Costa.

15.01.101 Construction working hours. All grading and excavation, construction, demolition, renovation, and other works of improvement within the City of Clayton and the on-site maintenance and servicing of construction equipment in the City shall occur only between the hours of 7:00 a.m. and 5:00 p.m., Monday through Friday. Any such work beyond said hours and days is strictly prohibited unless previously specifically authorized in writing by the City Engineer or designee or by project conditions of approval. This provision shall not apply to homeowner home improvements.

15.01.202 Permits. No person, firm, or corporation shall erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish any building or structure regulated by this title, or cause the same to be done, or install or connect any equipment regulated by this title, or perform any work regulated by this title, without first obtaining the necessary permits from the City building official.

15.01.204 Fees.

- (a) Fees shall be paid with the submission of an application for any permit required by this title. No application may be filed and accepted as complete until all required fees have been paid. Any permit issued without the payment of all required fees is invalid and of no force and effect. Permit fees and other fees will be in amounts set forth in fee schedules adopted by the City Council and the Contra Costa County Board of Supervisors.
- (b) A person who starts any work for which a permit is required under this title without first having obtained a permit shall, if later issued a permit for such work, pay double the permit fee. This provision does not apply to emergency work if the City building official determines that the emergency work was urgently necessary and that it was not practicable to obtain a permit before starting the work. In all such cases, a permit must be obtained as soon as it is practicable to do so, and if there is an unreasonable delay in obtaining the permit, a double fee shall be charged.

15.01.206 State license required.

- (a) No permit shall be issued to a person to do or cause to be done any work regulated by this title except to the holder of a valid, unexpired and unrevoked license in good standing, issued under Chapter 9, Division 3 of the California Business and Professions Code. Permits may be issued to persons and for work exempt from that statute, and as otherwise provided in this section.
- (b) Building permits. A building permit may be issued to a person holding a valid, unexpired, unrevoked California general contractor’s license. If the permit applicant is the owner of the structure occupied by or designed to be occupied by the owner and the owner performs all work under the permit, a building permit may

be issued to the owner for work in a one-family dwelling used exclusively for living purposes, including the usual accessory buildings and quarters.

(c) Electrical permits.

(1) An electrical permit may be issued to a person holding a valid, unexpired, unrevoked California electrical contractor's license, or to a person holding a valid, unexpired, unrevoked California general contractor's license where the contractor is working on a permitted job and is performing two or more crafts on the permitted job. If the permit applicant is the owner of the structure occupied by or designed to be occupied by the owner and the owner performs all work under the permit, an electrical permit may be issued to the owner for work in a one-family dwelling used exclusively for living purposes, including the usual accessory buildings and quarters.

(2) Instead of a separate permit for each building, structure, premises, installation or alteration, an annual electrical permit may be issued to any person regularly employing one or more electricians for electrical work in premises owned or occupied by the applicant for the permit. In the first 15 days of each calendar month, the holder of an annual permit shall report to the City building official on all electrical work done under the annual permit during the preceding month.

(d) Plumbing permits. A plumbing permit may be issued to a person holding a valid, unexpired, unrevoked California plumbing contractor's license, or to a person holding a valid, unexpired, unrevoked California general contractor's license where the contractor is working on a permitted job and is performing two or more crafts on the permitted job. If the permit applicant is the owner of the structure occupied by or designed to be occupied by the owner and the owner performs all work under the permit, a plumbing permit may be issued to the owner for work in a one-family dwelling used exclusively for living purposes, including the usual accessory buildings and quarters.

(e) Mechanical permits. A permit for the erection, installation, moving alteration, repair or replacement of any heating or cooling equipment may be issued to a person holding a valid California warm air heating, ventilating, and air conditioning contractor's license, or to a person holding a valid, unexpired, unrevoked California general contractor's license where the contractor is working on a permitted job and is performing two or more crafts on the permitted job. If the permit applicant is the owner of the structure occupied by or designed to be occupied by the owner and the owner performs all work under the permit, a mechanical permit may be issued to the owner for work in a one-family dwelling used exclusively for living purposes, including the usual accessory buildings and quarters.

15.01.208 Misrepresentations in permit application. No person shall make a false statement or misrepresentation in or in connection with an application for a permit under this title. Any permit issued under this title may be revoked or suspended at any time by the City building official for fraud, misrepresentation or false statement contained in an

application for a permit, or for violation of this title in connection with work done under the permit.

15.01.210 Permit not approval of violations or determination of ownership. The issuance of a permit or approval of plans and specifications shall not be construed as a permit for an approval of any violation of this title or code or determination that the permittee is the owner of the subject property or otherwise authorized to do the work for which the permit has been issued. No permit presuming to give authority to violate or cancel the provisions of this title shall be valid except insofar as the work or use which it authorizes is lawful. The issuance of a permit based on plans and specifications shall not prevent the City building official from later requiring the correction of errors in the plans and specifications or from preventing building operations being carried on under the permit in violation of this title or other regulation of this City.

15.01.211 Liability of City. This title shall not be construed to impose on the City any liability or responsibility for damage resulting from defective building, plumbing, mechanical or electrical work; nor shall the City, or any official or employee of the City, be held to assume this liability or responsibility because of the inspection authorized under this title. The issuance of a building permit under this title shall not be construed as a determination by the City that the permittee has legally sufficient proprietary rights to perform the work on the property for which the permit has been issued or shall it be construed as permission or license to enter on, occupy or otherwise utilize private or non-city property without the express consent of the owner or agent in possession thereof.

15.01.212 Expiration of permit. Every permit issued by the City building official becomes void if the building or work authorized is not begun within 180 days from the permit's date, or if it is suspended or abandoned for 180 continuous calendar days without excuse satisfying the City building official as being beyond control and remedy by the permittee. Evidence of starting work shall consist of at least one required inspection within 180 days of the permit issuance date or the date the permit was suspended or the work was abandoned. Once a permit becomes void, a new permit shall be obtained before any work is commenced or recommenced, and a new permit fee shall be paid. Any permittee holding an unexpired permit may apply for a permit extension upon a showing of good and satisfactory reason acceptable to the City building official. If the permittee is unable to commence work within the time required by this section, the City building official may extend the time of the permit for a period not exceeding 180 days upon written request by the permittee. No permit shall be renewed more than once.

15.01.214 Refunds. The City building official may authorize the refund of required permit fees as follows:

- (a) Unused Building Permit. On the voiding of a permit within 60 days after issuance, no work having been done, the holder may be allowed a refund of the amount in excess of fifteen (15) dollars but not more than 80 percent of the permit fee paid. On the voiding of a permit during the period between sixty days and one year after issuance, no work having been done, the holder may be allowed a refund of the amount in excess of fifteen (15) dollars or one-half the total amount paid for the

permit, whichever is smaller. No refunds of plan check fees for issued permits shall be allowed. Any unused plumbing, electrical, or mechanical permit(s) taken in conjunction with a building permit are governed by the refund procedures in subsection (b) of this section.

- (b) Unused plumbing, electrical, or mechanical permits. No refund of deposits for these permits (including subpermits issued in conjunction with building permits, and miscellaneous permits) shall be allowed, except that on the voiding of a permit within one year after issuance, no work having been done, the holder may be allowed a refund of the amount in excess of ten (10) dollars.

15.01.402 Abatement procedure. Any condition existing in violation of this title is a public nuisance. The procedure for the abatement of any building or any other condition declared to be a public nuisance in violation of this title is the procedure specified in the Clayton Municipal Code as set forth in Chapter 8.08. As an alternative to this procedure, abatement may be performed pursuant to the procedure specified in Article 6 (Action and Proceedings) of Subchapter 1 (State Housing Law Regulations) of Chapter 1 of Division 1 of Title 25 (Housing and Community Development) of the California Code of Regulations (25 C.C.R., § 48 et seq.). That procedure is adopted by this reference as though fully set forth herein.

15.01.404 Stop work orders. Whenever any work is being done contrary to this title or any other law or regulation (including, but not limited to, the following: zoning, health, sanitation, grading, fire protection and safety, or flood control) relating to or affecting the work, the City building official may order the work stopped by notice in writing served on any persons engaged in the doing or causing of the work; and these persons shall stop work immediately until authorized by the City building official to proceed with the work. The stop work order will state the reason for the order and the conditions under which the cited work may be permitted to resume. If the work continues after the issuance of a stop work order, each day the work continues is a separate code violation.

15.01.406 Entry on premises.

- (a) Whenever it is necessary to make an inspection to enforce the provisions of this title, or whenever the City building official has cause to believe that there exists in any building or upon any premises any violation of this title or any condition that makes the building or premises unsafe, unsanitary, dangerous or hazardous, the City building official may enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the City building official by this code. If entry is refused, the City building official has recourse to every remedy provided by law to secure entry.
- (b) No person shall conceal any work until it is inspected and written approval to proceed is given. No person shall cover electrical work, or allow it to be covered, to prevent or hinder its inspection, or remove any notice not to cover placed by the City building officials.

15.01.408 Correction notice. If the City building official finds any work as out of compliance with this title, the building official will give written notice to the person engaged in the work. Within 10 days after this notice, or within any reasonable further time that the City building official may prescribe, the person doing the work shall change or remove the work or equipment as the City building official may require to make it comply fully with this division.

15.01.410 Withhold permit. The City building official may, in his or her sole discretion, withhold the issuance or reinstatement of a permit for any structure on a parcel of land concerning either or both of which there exists any violation of law or regulation (including but not limited to the following: building, grading, zoning, fire protection and safety, health, sanitation, or flood control) relating to or affecting that permit. In determining whether a permit shall be issued, the City building official will also consider whether the existing violation constitutes an unlawful occupancy or a hazard to life or property. The City building official may require correction of a violation before issuing a permit, or as a condition of issuance within a stated period of time including any extensions granted for good cause shown. Failure to comply with such condition is a ground for revocation as provided by law.

15.01.412 Disconnection of utility service.

- (a) The City building official may shut off or disconnect any or all utility service to any structure or facility or to any electrical conductor or apparatus that is in violation of any state, City or county law or regulation relating thereto or that endangers the public health, safety or welfare, or the City building official may order this done.
- (b) If the City building official finds that the violation involves an immediate danger to person(s) or properties or to the public health, safety or welfare, the City building official may have the action taken as quickly as he or she deems necessitated by the danger; otherwise the City building official will give 10 days advance notice thereof by mail to the utility and to the owner as shown on the last assessment roll and by conspicuous posting on the property; and the City building official will post notice of the orders and the action taken, which no person shall remove, tamper with or disobey. The City building official will rescind or modify such action which it becomes proper to do so in view of the danger or violation.

15.01.414 Power companies to notify City building official.

- (a) Notice. Whenever in, on or about any building any person engaged in the distribution or sale of electrical energy or natural gas sets, resets, installs or reinstalls any meter for the measurement of electrical energy or natural gas, or connects or reconnects to, or supplies or services any installation of electrical equipment or natural gas, or change the nominal voltage of electrical supply or service to any installation of electrical equipment, or changes any electrical supply or service from two-wire to three-wire or vice versa, or from single-phase to polyphase or vice versa, or from direct current to alternating current or vice versa,

that person shall within two (2) days thereafter, exclusive of Sundays and holidays, give written notice thereof to the City building official specifying the location and address of the installation affected.

- (b) **Thirty-Day Exception.** This notice need not be given for work expressly approved by the City building official within 30 days after inspection approval.
- (c) **Authorization Required.** No person engaged in the distribution or sale of electrical energy shall connect a distribution system, including windpower generators, or any live supply or service conductor(s) therefrom, to any electrical equipment in, on or about any building or cause or allow any energizing of such connections, including windpower or emergency/stand by electrical generation until the City building official inspects the electrical equipment and authorizes such connections. No gas utility provider engaged in the distribution or sale of natural gas shall connect a distribution system to any natural gas equipment in, on or about any building until the City building official inspects the natural gas installation and authorizes such connections.
- (d) **Permit required.** A permit shall be obtained from the City building official to restore electrical or gas service to any structure that has been without such service for 90 days or more. The City building official will notify the servicing utility that the electrical service equipment and associated wiring has been inspected and approved before electrical or gas service may be reinstated.
- (e) **Waiver.** The City building official may, at his or her discretion, temporarily or permanently waive any or all requirements of this article by giving written notice of such waiver to all persons involved. The City building official may likewise at any time revoke such waiver by similar notice.

15.01.416 **Enforcement of state law.** By authority of Section 18300 of the Health and Safety Code, the county assumes the responsibility for enforcement of Part 2.1 of Division 13 of the Health and Safety Code relating to mobilehomes and mobilehome parks, including regulations adopted thereunder and contained in Chapter 2 (Mobilehome Parks Act) of Division 1 of Title 25 of the California Code of Regulations (25 C.C.R. §§ 1000 et seq.) and to the extent allowed by such laws and regulations, may enforce by the remedies allowed under Division 14 of this code.

15.01.602 **Reference to officials in adopted codes.** In the codes adopted by reference in this title, references to "city" mean the City of Clayton; to "city council or mayor" mean the City Council and Mayor of Clayton; to "state" mean the state of California; and to "building official," "chief building inspector," "administrative authority," or "authority enforcing this code" mean the director of building inspection referred to in Section 15.01.020.

15.01.604 **General safety.** All work shall be performed, and all equipment shall be constructed, installed, protected, operated, repaired, used and maintained, in accordance with the requirements of this division and in such manner as to be reasonably safe and

free from risk of accident or injury to person or property. No person shall act contrary to this general regulation or neglect to act as required hereby.

15.01.606 Liability of county. This title shall not be construed to impose on the county any liability or responsibility for damage resulting from defective building, plumbing, mechanical or electrical work; nor shall the county, or any official or employee of the county, be held to assume this liability or responsibility because of the inspection authorized under this title. The issuance of a building permit under this title shall not be construed as a determination by the county that the permittee has legally sufficient proprietary rights to perform the work on the property for which the permit has been issued nor shall it be construed as permission or license to enter on, occupy or otherwise utilize private or noncounty property without the express consent of the owner or agent in possession thereof.

CHAPTER 15.02

2013 CALIFORNIA BUILDING CODE WITH AMENDMENTS

Sections:

- 15.02.001 Adoption.
- 15.02.002 Amendments (California Building Code).
- 15.02.003 Amendments (California Residential Code).

15.02.001 Adoption.

- (a) The building code of this City is the 2013 California Building Code (California Code of Regulations, Title 24, Part 2, Volumes 1 and 2), the 2013 California Residential Code (California Code of Regulations, Title 24, Part 2.5), and the 2013 California Green Building Standards Code (California Code of Regulations, Title 24, Part 11), as amended by the changes, additions, and deletions set forth in this ordinance and Division 72 of the Contra Costa County Code.
- (b) The 2013 California Building Code, with the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code is adopted by this reference as though fully set forth in this ordinance.
- (c) The 2013 California Residential Code, with changes, additions, and deletions set forth in this chapter and the previously referenced Division 72, is adopted by this reference as though fully in this ordinance.
- (d) The 2013 California Green Building Standards Code, with changes, additions, and deletions set forth in this chapter and the previously referenced Division 72, is adopted by this reference as though fully in this ordinance.
- (e) At least one copy of this building code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (f) As of the effective date of this ordinance, the provisions of the building code are controlling and enforceable within the City.

15.02.002 Amendments. The 2013 California Building Code ("CBC") is amended by the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code. Section numbers used below are those of the 2013 California Building Code.

- (a) CBC Chapter 1 is amended by the provisions of Division 72 Section of this code and as follows:

- (1) Sections 103, 109, 112, 113, 114, and 116 of CBC Chapter 1 are deleted.
- (2) Section 105.2 (Work Exempt from Permit) of CBC Chapter 1, subsection 4 is amended to provide that a building permit is not required for the following work:

4. Retaining walls that are not more than three feet in height, measured from the top of the footing to the top of the wall, unless supporting a surcharge or ground slope exceeding 1(vertical):2(horizontal) or impounding class I, II, or III-a liquids.

All other work listed in Section 105.2 of CBC Chapter 1 is also exempt from a permit.

- (3) Section 107.1 (Submittal Documents-General) of CBC Chapter 1 is amended by deleting the exception.

- (4) Section 107.2.1 (Information on Construction Documents) of CBC Chapter 1 is amended to read:

107.2.1 Construction documents shall include dimensions and shall be drawn to scale on suitable material. Electronic media documents may be submitted when approved in advance by the building official. Construction documents shall be sufficient clarity to indicate the location, nature and extent of the work proposed and to show in detail that it will conform to this code and all relevant laws, ordinances, rules and regulations. The first sheet of each set of plans shall give the house and street address of the work and the name and address of the owner and of the person who prepared the plans. Plans shall include a plot plan showing all existing property lines labeled and fully dimensioned, the elevation of the top and toe of cuts and fills, and the location of the proposed building with distances to all property lines and of every existing building on the property. Instead of detailed specifications, the building official may approve references on the plans to a specific section or part of this code or other ordinances or laws.

- (5) Section 110.1 (Inspections – General) is amended by adding the following to the end of the section:

At the time of first inspection by the City building official, a licensed Land Surveyor or Civil Engineer shall certify in writing that the structure is placed according to the approved set of plans. The written certification must include the site address and permit number. This requirement does not apply to alterations or repairs to existing structures that do not affect the exterior limits of the existing structures.

- (b) Section 907.2.11.5.6 (Existing Group R-3 Occupancies) of CBC Chapter 9 (Fire Protection Systems), is amended to read:

907.2.11.5.6 Existing Group R Occupancies. In existing flat roof buildings, the installation of a smoke detector that complies with Section R314.4 shall be required when a pitch roof is added on top of the existing flat roof and the solid seating of the flat roof is not removed.

- (c) Section 1406.5 is added to Section 1406 (Combustible Materials on the Exterior Side of Exterior Walls) of CBC Chapter 14 (Exterior Walls), to read:

1406.5 Wood shakes or shingles. Wood shakes or shingles used for exterior wall covering shall be fire treated unless there is a minimum of 10 feet from the exterior wall (including shakes or shingles) to the property line of all sides, except for any sides of exterior walls facing the street.

- (d) In Section 1705.3 (Concrete Construction) of CBC Chapter 17 (Structural Tests and Special Inspections), Exception 1 is amended to read:

Isolated spread concrete footings of buildings three stories or less above grade plane that are fully supported on earth or rock, where the structural design of the footing is based on a specified compressive strength of no greater than 2,500 pound per square inch (psi) (17.2 Mpa).

- (e) Section 1809.8 (Plain Concrete Footings) of CBC Chapter 18 (Soils and Foundations) is deleted.

- (f) Section 1810.3.9.3 (Placement of reinforcement) of CBC Chapter 18 (Soils and Foundations) is amended by deleting Exception No. 3.

- (g) Section 1905.1 (Modification of ACI 318 – General) of CBC Chapter 19 (Concrete) is amended to read:

1905.1 General. The text of ACI 318 shall be modified as indicated in Sections 1905.1.1 through 1905.1.9.

- (h) Section 1906 (Structural Plain Concrete) of CBC Chapter 19 (Concrete) is deleted.

- (i) Section 1907.1 (Minimum Slab Provisions – General) of CBC Chapter 19 (Concrete) is amended by adding the following sentence to that section:

Slabs shall have six inches by six inches by ten gauge wire mesh or equal at midheight.

- (j) Appendix C and Appendix I of the CBC are incorporated into the City building code. Appendix A, Appendix B, Appendix D, Appendix E, Appendix F, Appendix

G, Appendix H, Appendix J, Appendix K, Appendix L and Appendix M of the CBC are excluded from the City building Code.

15.02.002 Amendments to CRC. The 2013 California Residential Code ("CRC") is amended by the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code. Section numbers used below are those of the 2013 California Residential Code.

- (a) Sections R103, R108, R111, R112, R113, and R114 of CRC Chapter 1 are deleted.
- (b) In Section R105.2 (Work exempt form permit) of CRC Chapter 1 (Scope and Application), subsection 3 of the paragraph exempting certain building work from the requirement to obtain a permit is amended to exempt the following retaining wall from the requirement to obtain a permit:
 - 3. Retaining walls that are not more than three feet in height, measured from the top of the footing to the top of the wall, unless supporting a surcharge or ground slope exceeding 1(vertical):2(horizontal) or impounding class I, II, or III-a liquids.
- (c) Section R403.1.3 (Seismic reinforcing) of CRC Chapter 4 (Foundations) is amended to delete the exception.
- (d) Section R404.1.4.1 (Masonry foundation walls) of CRC Chapter 4 (Foundations) is amended to read:

R404.1.4.1 Masonry foundation walls. In addition to the requirements of Table R404.1.1(1), plain masonry walls in buildings assigned to Seismic Design Category D₀, D₁, or D₂ shall comply with the seismic requirements of Section 1.18.4.4 of TMS 402, ACI 530, or ASCE 5.
- (e) Section R404.1.4.2 (Concrete foundation walls) of CRC Chapter 4 (Foundations) is amended to read:

Section R404.1.4.2 Concrete foundation walls. Concrete foundation walls in buildings assigned Seismic Design Category D₀, D₁, or D₂ shall comply with ACI 318, ACI 332, or PCA 100.

CHAPTER 15.03

2013 CALIFORNIA ELECTRICAL CODE WITH AMENDMENTS

Sections:

- 15.03.002 Adoption.
- 15.03.606 Unlawful wiring, electric fences, warning.
- 15.03.608 Power from generators.
- 15.03.612 Public nuisance lighting.

15.03.002 Adoption.

- (a) The electrical code of this City is the 2013 California Electrical Code (California Code of Regulations, Title 24, Part 3, as amended by the changes, additions, and deletions set forth in this ordinance.
- (b) The 2013 California Electrical Code, with the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code are adopted by this reference as though fully set forth in this ordinance.
- (c) At least one copy of this electrical code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (d) As of the effective date of this ordinance, the provisions of the electrical code are controlling and enforceable within the City.

15.03.606 Unlawful wiring, electric fences, warning.

- (a) Prohibition. Except as hereinafter provided, no person shall construct or maintain any spring gun, or any electric wiring device, designated or intended to injure and/or shock animals or persons, or any contrivance or apparatus for such purpose.
- (b) Livestock Exception. Persons principally engaged in the business of handling livestock as a primary means of production or income may electrify fences to control or confine livestock upon complying with all the following requirements:
 - (1) Any contrivance or mechanism to control electrical current in such fences shall be listed by an approved testing laboratory, and shall include a suitable interrupting device and such other safety devices to prevent dangerous currents getting on the fence at any time.
 - (2) Any electrical fence to which the public may have access, except cross fences to confine and control livestock, shall be posted with a warning notice containing the following or similar wording: "DANGER.

ELECTRIC FENCE,” or “DANGER. HIGH VOLTAGE.” This notice shall be posted along any such main fence at intervals of not more than 200 feet and in letters at least two inches high.

15.03.608 Power from generators.

- (a) All occupancies that have commercially supplied electricity shall connect to the commercial supplier.
- (b) Any occupancy that has commercially supplied electricity shall not use a permanent or temporary generator(s), provided that a generator(s) may be used for commercial purposes when authorized by the building official.

15.03.612 Public nuisance lighting. Lighting fixtures shall be so installed, controlled or directed that the light will not glare or be blinding to pedestrians or vehicular traffic or on adjoining property.

CHAPTER 15.04

2013 CALIFORNIA PLUMBING CODE WITH AMENDMENTS

Sections:

15.04.002 Adoption.

15.04.002 Adoption.

- (a) The plumbing code of this City is the 2013 California Plumbing Code (California Code of Regulations, Title 24, Part 5, as amended by the changes, additions, and deletions set forth in this ordinance.
- (b) The 2013 California Plumbing Code, with the changes, additions, and deletions set forth in this chapter and Division 72 of the Contra Costa County Code, is adopted by this reference as though fully set forth in this ordinance.
- (c) At least one copy of this plumbing code is now on file with the building inspection department, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (d) As of the effective date of this ordinance, the provisions of the plumbing code are controlling and enforceable within the City.

CHAPTER 15.05

2013 CALIFORNIA MECHANICAL CODE WITH AMENDMENTS

Sections:

15.05.002 Adoption.

15.05.002 Adoption.

- (a) The mechanical code of this City is the 2013 California Mechanical Code (California Code of Regulations, Title 24, Part 4 [based on the 2006 Uniform Mechanical Code]), as amended by the changes, additions, and deletions set forth in this ordinance.
- (b) The 2013 California Mechanical Code, with the changes, additions, and deletions set forth in Division 72 of the Contra Costa County Code, is adopted by this reference as though fully set forth in this ordinance.
- (c) At least one copy of this mechanical code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (d) As of the effective date of this ordinance, the provisions of the mechanical code are controlling and enforceable within the City.

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EXHIBIT B

City of Clayton

FINDINGS IN SUPPORT OF CHANGES, ADDITIONS, AND DELETIONS TO STATEWIDE 2013 BUILDING STANDARDS CODE

The California Building Standards Commission has adopted and published the 2013 Building Standards Code, which is comprised of the 2013 California Building, Residential, Green Building Standards, Electrical, Plumbing, and Mechanical codes. These codes are enforced in the City of Clayton by the City and Contra Costa County Building Inspection Division of the Department of Conservation and Development.

Although these codes apply statewide, Health and Safety Code sections 17958.5 and 18941.5 authorize a local jurisdiction to modify or change these codes and establish more restrictive building standards if the jurisdiction finds that the modifications and changes are reasonably necessary because of local climatic, geological or topographical conditions.

City of Clayton Ordinance No. 452 adopts the statewide codes and amends them to address local conditions, consistent with Contra Costa County.

Pursuant to Health and Safety Code section 17958.7, the Clayton City Council finds that the more restrictive standards contained in Ordinance No. 452 are reasonably necessary because of the local climatic, geological, and topographic conditions that are described below.

I. Local Conditions

A. Geological and Topographic

1. Seismicity

(a) Conditions

Are reasonably necessary as Contra Costa County is located in Seismic Design Categories D and E, which is the worst earthquake area in the United States. Buildings and other structures in these zones can experience major seismic damage. Contra Costa County is in close proximity to numerous earthquake faults including the San Andreas Fault and contains all or portions of the Hayward, Calaveras, Concord, Antioch, Mt. Diablo, and other lesser faults. A 4.1 earthquake with its epicenter in Concord occurred in 1958, and a 5.4 earthquake with its epicenter also in Concord occurred in 1955. The Concord and Antioch faults have a potential for a Richter 6 earthquake and the Hayward and Calaveras faults have the potential for a Richter 7

earthquake. Minor tremblers from seismic activity are not uncommon in the area.

A study released in 1990 by the United States Geological Survey says that there is a 67% chance of another earthquake the size of Loma Prieta during the next 30 years, and that the quake could strike at any time, including today. Scientists, therefore, believe that an earthquake of a magnitude 7 or larger is now twice as likely to happen as to not happen.

Interstates 680, 80, 580 and State Route 4 run the length throughout Contra Costa County. These interstates and state routes divide the County into a west, south, north and east. An overpass or undercrossing collapse would significantly alter the response route and time for responding emergency equipment. This is due to limited crossings of the interstate and that in some areas there is only one surface street, which runs parallel to the interstate, which would be congested during a significant emergency.

Earthquakes of the magnitude experienced locally can cause major damage to electrical transmission facilities and to gas and electrical lines in buildings, which in turn start fires throughout the County. The occurrence of multiple fires will quickly deplete existing fire department resources; thereby reducing and/or delaying their response to any given fire.

(b) Impact

A major earthquake could severely restrict the response of all Contra Costa County Fire Districts and their capability to control fires involving buildings of wood frame construction, with ordinary roofing materials and flammable exteriors, or with large interior areas not provided with automatic smoke and fire control systems. Also, when buildings not equipped with earthquake structural support move off their foundations, gas pipes may rupture. Fires develop from line ruptures and spread from house to house, causing an extreme demand for fire protection resources. The proximity of large areas within the County to fault traces, necessitates adopting stricter structural construction standards.

2. Soils

(a) Conditions

The area is replete with various soils, which are unstable, clay loam and alluvial fans being predominant. These soil

conditions are moderately to severely prone to swelling and shrinking, are plastic and tend to liquefy.

Throughout Contra Costa County, the topography and development growth has created a network of older, narrow roads. These roads vary from gravel to asphalt surface and vary in percent of slope, many exceeding twenty (20) percent. Several of these roads extend up through the winding passageways in the hills providing access to remote, affluent housing subdivisions. The majority of these roads are private with no established maintenance program. During inclement weather, these roads are subject to rock and mudslides, as well as down trees, obstructing all vehicle traffic. It is anticipated that during an earthquake, several of these roads would be unpassable so as to prevent fire protection resources from reaching fires cause by gas line ruptures or other sources.

3. Topographic

(a) Conditions

i. Vegetation

Highly combustible dry grass, weeds, and brush are common in the hilly and open space areas adjacent to built-up locations six (6) to eight (8) months of each year. Many of these areas frequently experience wildland fires, which threaten nearby buildings, particularly those with wood roofs, or sidings. This condition can be found throughout Contra Costa County, especially in those developed and developing areas of the County. Earthquake gas fires due to gas line ruptures can ignite grasslands and stress fire district resources.

ii. Surface Features

The arrangement and location of natural and manmade surface features, including hills, creeks, canals, freeways, housing tracts, commercial development, fire stations, streets and roads, combine to limit feasible response routes for Fire District resources in and to District areas.

iii. Buildings, Landscaping and Terrain

Many of the newer large buildings and building complexes have building access and landscaping features and designs, which preclude or greatly limit

any approach or operational access to them by Fire District vehicles. In addition, the presence of security gates and roads of inadequate width and grades that are too steep for Fire District vehicles adversely affect fire suppression efforts.

When Fire District vehicles cannot gain access to buildings involved with fire, the potential for complete loss is realized. Difficulty reaching a fire site often requires that fire personnel both in numbers and in stamina. Access problems often result in severely delaying, misdirecting or making impossible fire and smoke control efforts. In existing structures where pitch roofs have been built over an existing roof, smoke detectors should be required to warn residents of smoke and fire before the arrival of fire personnel.

(b) Impact

The above local geological and topographical conditions increase the magnitude, exposure, accessibility problems, and fire hazards presented to the County fire resources. Fire following an earthquake has the potential of causing greater loss of life and damage than the earthquake itself. Most earthquake fires are created by natural gas developed from gas line ruptures. Hazardous materials, particularly toxic gases, could pose the greatest threat to the largest number, should a significant seismic event occur. Public safety resources would have to be prioritized to mitigate the greatest threat, and may likely be unavailable for smaller single dwellings that were caused by broken gas lines.

Other variables may tend to intensify the situation:

1. The extent of damage to the water system.
2. The extent of isolation due to bridge and/or freeway overpass collapse.
3. The extent of roadway damage and/or amount of debris blocking the roadways.
4. Climatic condition (hot, dry weather with high winds).
5. Time of day will influence the amount of traffic on roadways and could intensify the risk to life during normal business hours.
6. The availability of timely mutual aid or military assistance.
7. The large portion of dwellings with wood shake or shingle coverings (both on the roof diaphragm and

- sides of the dwellings) could result in conflagrations.
8. The large number of dwellings that slip off their foundations and rupture gas lines and electrical systems resulting in further conflagrations.

B. Climatic

1. Precipitation and Relative Humidity

(a) Conditions

Precipitation ranges from 15 to 24 inches per year with an average of approximately 20 inches per year. Ninety-six (96) percent falls during the months of October through April and four (4) percent from May through September. This is a dry period of at least five (5) months each year. Additionally, the area is subject to occasional drought. Relative humidity remains in the middle range most of the time. It ranges from forty-five (45) to sixty-five (65) percent during spring, summer, fall, and from sixty (60) to ninety (90) percent in the winter. It occasionally falls as low as fifteen (15) percent.

(b) Impact

Locally experienced dry periods cause extreme dryness of untreated wood shakes and shingles on buildings and non-irrigated grass, brush and weeds, which are often near buildings with wood roofs and sidings. Such dryness causes these materials to ignite very readily and burn rapidly and intensely. Gas fires due to gas line ruptures can also spark and engulf a single family residence during these dry periods.

Because of dryness, a rapidly burning gas fire or exterior building fire can quickly transfer to other buildings by means of radiation or flying brands, sparks or embers. A small fire can rapidly grow to a magnitude beyond the control capabilities of the Fire District resulting in an excessive fire loss.

2. Temperature

(a) Conditions

Temperatures have been recorded as high as 114° F. Average summer highs are in the 75° to 90° range, with average maximums of 105° F in some areas of unincorporated Contra Costa County.

(b) Impact

High temperatures cause rapid fatigue and heat

exhaustion of firefighters, thereby reducing their effectiveness and ability to control large building, wildland fires, and fires caused by gas line ruptures.

Another impact from high temperatures is that combustible building material and non-irrigated weeds, grass and brush are preheated, thus causing these materials to ignite more readily and burn more rapidly and intensely. Additionally, the resultant higher temperature of the atmosphere surrounding the materials reduces the effectiveness of the water being applied to the burning materials. This requires that more water be applied, which in turn requires more fire resources in order to control a fire on a hot day. High temperatures directly contribute to the rapid growth of fires to an intensity and magnitude beyond the control capabilities of the Fire Districts in Contra Costa County. The change of temperatures throughout the County between very low and extreme highs contributes to a voltage drop in conductors used for power pole lines. This necessitates that voltage drops be considered.

3. Winds

(a) Conditions

Prevailing winds in many parts of Contra Costa County are from the north or northwest in the afternoons. However, winds are experienced from virtually every direction at one time or another. Velocities can reach fourteen (14) mph to twenty-three (23) mph ranges, gusting to twenty-five (25) to thirty-five (35) mph. Forty (40) mph winds are experienced occasionally and winds up to fifty-five (55) mph have been registered locally. During the winter half of the year, strong, dry, gusty winds from the north move through the area for several days creating extremely dry conditions.

(b) Impact

Winds such as those experienced locally can and do exacerbate fires, both interior and exterior, to burn, and spread rapidly. Fires involving non-irrigated weeds, grass, brush, and fires caused by gas line ruptures can grow to a magnitude and be fanned to an intensity beyond the control capabilities of the fire services very quickly even by relatively moderate winds. When such fires are not controlled; they can extend to nearby buildings, particularly those with untreated wood shakes or shingles.

Winds of the type experienced locally also reduce the effectiveness of exterior water streams used by all Contra Costa County Fire Districts on fires involving large interior areas of buildings, fires which have vented through windows and roofs due to inadequate built-in fire protection and fires involving wood shake and shingle building exteriors. Local winds will continue to be a definite factor toward causing major fire losses to buildings not provided with fire resistive roof and siding materials and buildings with inadequately separated interior areas, or lacking automatic fire protection systems, or lacking proper gas shut-off devices to shut off gas when pipes are ruptured, or lacking proper electrical systems. National statistics frequently cite wind conditions, such as those experienced locally, as a major factor where conflagrations have occurred.

II. Necessity of More Restrictive Standards

Because of the conditions described above, the Clayton City Council finds that there are building and fire hazards unique to the City that require the increased fire protection and structural and design load requirements set forth in Ordinance No. 452. The ordinance amends the statewide codes by requiring the installation of a smoke detector in existing flat roof buildings when a pitch roof is added on top of the existing flat roof and the solid sheathing of the flat roof is not removed. (§15.02.002(b).) The ordinance amends the statewide codes by requiring most wood shakes or shingles used for exterior wall covering to be fire treated. (§15.02.002(c).) The ordinance amends the statewide code by requiring special inspections for concrete at certain foundations to be consistent with code requirements for concrete at other locations. (§15.02.002(d).) The ordinance modifies the statewide codes by requiring masonry foundation walls and concrete foundation walls of residential structures to comply with more restrictive seismic requirements. (§ § 15.02.003(d), (e).)

**John Johnston
City of Clayton**

2012



2014

**BAY-FRIENDLY LANDSCAPE
MAINTENANCE PROFESSIONAL**

From: Justin Breck [<mailto:justin@bayfriendlycoalition.org>]
Sent: Thursday, January 9, 2014 2:26 PM
To: 'environjon@aol.com'
Subject: Your Bay-Friendly Requalification

Dear John,

Thank you for renewing your status as a Bay-Friendly Qualified Professional, which includes a 2-year membership in the Bay-Friendly Landscaping & Gardening Coalition. In addition to your 2-year membership, you now have exclusive access to the most recent Bay-Friendly Qualified Professional (BFQP) seal, which makes it easy for you to share with clients and colleagues your commitment and qualification status. The digital seal is attached to this e-mail. We would also like to offer you free admission to one of the two upcoming February Brad Lancaster presentations. Simply type "REQUAL" into the promo code field in the registration portal. You can learn more about the presentations (and how to register) here: <http://www.bayfriendlycoalition.org/Calendar.shtml>

Your commitment to Bay-Friendly Landscapes is greatly appreciated. As we build the network and influence of Bay-Friendly Qualified Professionals in the coming year, we plan to leverage our programs to expand markets for your services and work toward a goal of making Bay-Friendly principles representative of the highest standards of sustainability in the landscape.

Thank you again for your commitment and contribution toward our efforts to create healthy & beautiful urban environments.

Kind regards,

Justin

Justin Breck | Administration and Operations Manager

Bay-Friendly Landscaping & Gardening Coalition

(510) 859 8026 ext. 707 | www.bayfriendlycoalition.org

 Please consider the environment before printing this message.

The Bay-Friendly Landscaping & Gardening Coalition confirms that

John Squadroni

has met the requirements to become a

**Bay-Friendly Qualified Landscape
Maintenance Professional**

effective April 20, 2012.



Debi Tidd

Debi Tidd
Bay-Friendly Landscaping & Gardening Coalition



BAY-FRIENDLY
Landscape Maintenance
Professional

www.ecowisecertified.org



Integrated Pest Management

CERTIFICATE OF COMPLETION

Michael Swetnam

has successfully completed the requirements for

EcoWise Certified Practitioner

on

July 30, 2013

Certificate Expires on July 29, 2016

Certificate No. **C-142**
(verify at www.ecowisecertified.org)

Coli Scandone
Senior Regional Planner
Association of Bay Area Governments



Administered by
Association of Bay Area Governments
www.abag.ca.gov

William Quarles
Program Manager
EcoWise Certified