

# Appendix II

## Bay Area Trash Tracker Screen Shots and Project Forms

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# Trash Tracker Home Page



## Bay Area Trash Tracker

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### The Trash Tracker Enters a New Phase

The trash capture device ordering phase of the Bay Area-wide Trash Capture Demonstration Project ended on March 1, 2013. We installed more than 4,000 devices around the Bay Area, using \$4,245,620.03 in federal and state funds. In addition, municipalities purchased and installed devices with \$135,130.04 in local funds.

We are now compiling the final project report, and will be sending it out to participating municipalities soon, for your comments. The draft report is posted on the SFEP trash project [web page](#).

#### About this website

We have revised and repaired the Trash Tracker to be maximally useful to all Bay Area municipalities dealing with trash control issues going forward. On your "My Municipality" page (link above, in white) you can enter location information and condition/maintenance notes for devices you install in the future. All of this information is downloadable for your record-keeping and permit compliance reporting purposes. In the future, we hope to automate reports from the site.

BASMAA has received a Prop 84 Stormwater grant that will also support major additions to the site, including adding new map layers such as trash generation rates and trash hotspots. Stay tuned for more information about these exciting developments!

As usual, we welcome your input and suggestions!

The site is password-protected. In order to view the information for your municipality you will need to use the username and password assigned to your city, county, or town. If you do not have your username or password email [Jesse](#) at SFEP. Please do not share login information with members of the public.

Project Coordinator: [Janet Cox](#), 510-622-2334

#### Recent News

You may use [this excel table to collect location information for your TCD installations and then add it to your "My Municipality" page](#).

Download [Maintenance Forms for small and large trash capture devices](#)

Order some of the free [curb inlet stecils](#) we are giving away. They will help your maintenance crews identify retrofitted stormdrains.

Jesse Mills made a presentation about using the Trash Tracker to manage data and reporting, to storm drain staff in Alameda County in September. The presentation, [Collecting Trash Data](#), is linked here. [Jesse](#) is available for your next stormwater program meeting.

The "Discussion Board" (linked top right) is for staff may use to ask questions and share information about specific devices, and trash capture in general.

See our new [Media Page](#) for template press releases and the project in the news!

#### Information

[Login Instructions](#) (March 2011)

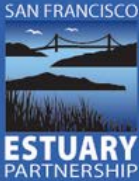
[Final TCD purchasing and installation spending table \(updated March 2013\)](#)

[Frequently Asked Questions](#) about the Project








# Device Location Map

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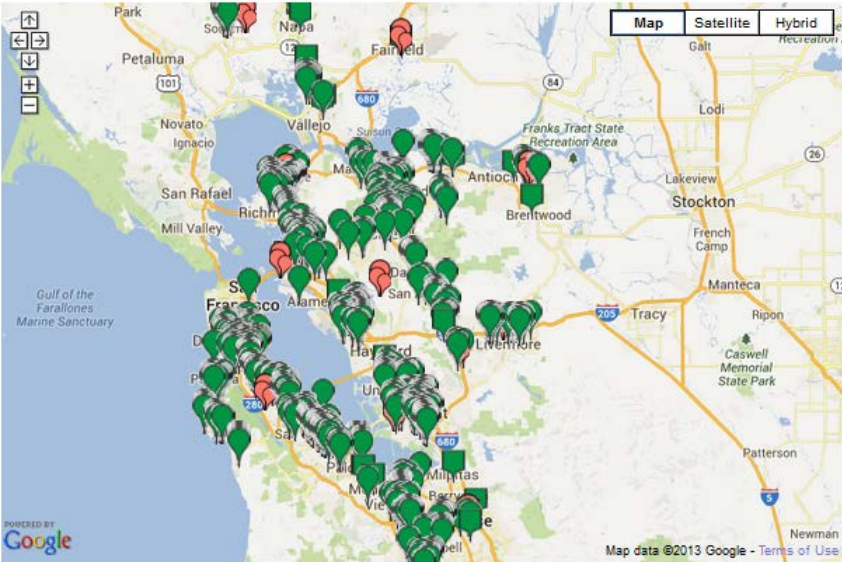


## Bay Area Trash Tracker

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 A cluster of devices  Installed, small device  Installed, large device  Ordered, small device  Ordered, large device

View a specific device...



Map Satellite Hybrid

Map data ©2013 Google - Terms of Use

# Map, local view

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# Bay Area Trash Tracker

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A cluster of devices    Installed, small device    Installed, large device    Ordered, small device    Ordered, large device

View a specific device...  
Download All Data

Map Satellite Hybrid

Map data ©2013 Google

## Device page (partial view)

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

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# Bay Area Trash Tracker

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[Printable device list](#)

Filter by device vendor:  Filter by device category:

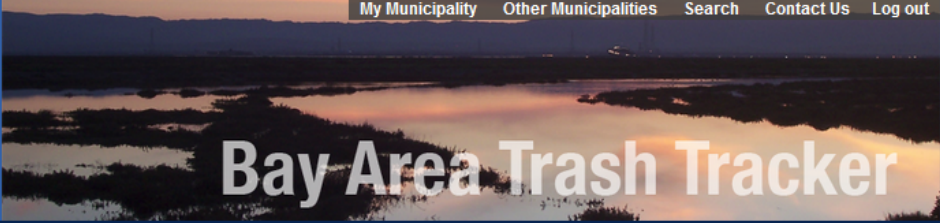
ID	Vendor	Device	
<input type="checkbox"/> AS-1	Advanced Solutions	<a href="#">Stormtek ST3</a>	
<input type="checkbox"/> AS-2	Advanced Solutions	<a href="#">Stormtek ST3-G</a>	
<input type="checkbox"/> BC-1	Bio Clean Environmental Services, Inc.	<a href="#">Grate Inlet Skimmer Box (square design)</a>	
<input type="checkbox"/> BC-2	Bio Clean Environmental Services, Inc.	<a href="#">High Capacity Round Grate Inlet Skimmer Box</a>	
<input type="checkbox"/> BC-3	Bio Clean Environmental Services, Inc.	<a href="#">Modular Connector Pipe Screen</a>	
<input type="checkbox"/> BC-4	Bio Clean Environmental Services, Inc.	<a href="#">Trash Guard</a>	
<input type="checkbox"/> BC-5HF	Bio Clean Environmental Services, Inc.	<a href="#">Nutrient Separating Baffle Box</a>	
<input type="checkbox"/> CCP-1HF	Contech Contraction Products	<a href="#">Continuous Deflective Separator (CDS)</a>	
<input type="checkbox"/> CCP-1HFd10	Contech Contraction Products	<a href="#">Diversion Box</a>	
<input type="checkbox"/> CCP-1HFd4	Contech Contraction Products	<a href="#">Diversion Box</a>	

# My Municipality page (partial view)

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# Bay Area Trash Tracker

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## Walnut Creek, CA - walnutcreekdata [Add New Device Location](#) | [Edit Data Account](#) | [Edit Staff Account](#)

Click [Add New Device Location](#) to enter information about trash capture devices that your municipality is installing using your own funds.

Filter by status

Filter by PO Number

Filter by device ID

Click the device ID number to view all installations of this device.  
 Click an address to view installation information and maintenance events for that location.
 
[Download Maintenance Import Spreadsheet](#)

Installed, small device

Installed, large device

Ordered, small device

Ordered, large device

Device ID	PO#	Line	Location	Date of Last Maint. Event	Photos	Export Data
<a href="#">REM-1</a>	1	1	<a href="#">1177 Conejo Way Walnut Creek CA</a>	N/A	<input type="button" value="Add Photo"/>	<input type="button" value="Add Maint. Event"/>
<a href="#">REM-1</a>	1	2	<a href="#">1895 Ygnacio Valley Road Walnut Creek CA</a>	1/10/2012	<input type="button" value="Add Photo"/>	<input type="button" value="Add Maint. Event"/>
<a href="#">REM-1</a>	1	4	<a href="#">1954 Mt. Diablo Blvd. Walnut Creek CA</a>	N/A	<input type="button" value="Add Photo"/>	<input type="button" value="Add Maint. Event"/>
<a href="#">REM-1</a>	1	3	<a href="#">2290 Oak Grove Road Walnut Creek CA</a>	N/A	<input type="button" value="Add Photo"/>	<input type="button" value="Add Maint. Event"/>
<a href="#">USW-1</a>	5	20	<a href="#">37.55309,-122.2230</a>	N/A	<input type="button" value="Add Photo"/>	<input type="button" value="Add Maint. Event"/>
<a href="#">USW-1</a>	6	12	<a href="#">37.87951,-122.07491</a>	N/A	<input type="button" value="Add Photo"/>	<input type="button" value="Add Maint. Event"/>
<a href="#">USW-1</a>	6	18	<a href="#">37.894839,-122.061169</a>	N/A	<input type="button" value="Add Photo"/>	<input type="button" value="Add Maint. Event"/>
<a href="#">USW-1</a>	6	19	<a href="#">37.896066,-122.061553</a>	N/A	<input type="button" value="Add Photo"/>	<input type="button" value="Add Maint. Event"/>
<a href="#">USW-1</a>	6	16	<a href="#">37.897242,-122.060198</a>	N/A	<input type="button" value="Add Photo"/>	<input type="button" value="Add Maint. Event"/>

## Forms page

The screenshot shows the 'Forms page' of the Bay Area Trash Tracker website. The page features a dark blue header with navigation links: 'My Municipality', 'Other Municipalities', 'Search', 'Contact Us', and 'Log out'. On the left, there is a logo for 'SAN FRANCISCO ESTUARY PARTNERSHIP' with a small image of a bridge and water. The main content area has a background image of a bay at sunset. The title 'Bay Area Trash Tracker' is prominently displayed in white. Below the title is a dark blue navigation bar with links: 'HOME', 'ABOUT', 'JOIN THE PROJECT', 'DEVICES', 'FAQs', 'CONTRACTS/FORMS', 'MAP', and 'DISCUSSION BOARD'. The main content area is titled 'RECORD LOCATION DATA AND MAINTENANCE RESULTS' and contains two sections: 'Recording trash capture location information' and 'Maintenance forms'. The 'Recording trash capture location information' section explains that each line on the 'My Municipality' page includes a link to fields for entering device location details (land use type, catchment area, etc.) and provides a link to a 'Trash Capture Location Table'. The 'Maintenance forms' section offers to download and print maintenance forms (pdfs) for different device types, with a link to 'Jesse' for uploading pre-populated spreadsheets. A list of device types is provided: Small full-capture devices (catch basin inserts, or collector pipe screens), Large hydrodynamic separators (ex: CDS), Trash nets, and Gross solids removal devices (GSRD).

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# Bay Area Trash Tracker

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## RECORD LOCATION DATA AND MAINTENANCE RESULTS

### Recording trash capture location information

Each line on your My Municipality page includes a link to fields where you can enter specifics about the location of the device (land use type, catchment area, etc.). Use the table linked below to record information about multiple locations, for entry into your My Municipality page.

All of this information may be downloaded for record-keeping and reporting purposes.


- [Trash Capture Location Table](#)

### Maintenance forms

Download and print maintenance forms (pdfs) for different types of devices. Maintenance data may be entered device-by-device from the My Municipality page, or you may fill out the pre-populated spreadsheet on your page and email it to [Jesse](#) for uploading.

- [Small full-capture devices](#) (catch basin inserts, or collector pipe screens)
- [Large hydrodynamic separators](#) (ex: CDS)
- [Trash nets](#)
- [Gross solids removal devices](#) (GSRD)

# Page for entering device-specific location information

Device ID	PO#	Line	Location	Date of Last Maint. Event	Photos	Export Data
 RMC-1HF	38.0192102	-121.906014		12/10/2012	<a href="#">Add Photo</a>	<a href="#">Add Maint. Event</a>
<input type="text" value="Municipality Defined ID (Optional)"/>						
<input type="text" value="Additional Address Description (Optional)"/>						
<input type="text" value="10/30/12"/>						
Land Use: <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> School <input type="checkbox"/> Park/Open Space						
Estimated area of catchment: <input type="text" value="300"/> acres						
Manufacturer's stated trash containment capacity: <input type="text" value="177"/> cubic ft./yds.						
Manufacturer's stated flow rate: <input type="text" value="4.5"/> cfs.						
<b>Trash receptacle dimensions</b>						
Box: Height <input type="text"/> ft./in. Width <input type="text"/> ft./in. Length <input type="text"/> ft./in.						
Sediment Sump: Height <input type="text"/> ft./in. Width <input type="text"/> ft./in. Length <input type="text"/> ft./in.						
Cylinder: Height or Length <input type="text" value="36"/> ft./in. Radius <input type="text"/> ft./in.						
Sediment Sump: Height or Length <input type="text"/> ft./in. Radius <input type="text"/> ft./in.						
Trash net: <input type="text"/> ft./in.						
Outflow pipe diameter: <input type="text" value="48"/> in.						
<input checked="" type="checkbox"/> Funded by municipality <input checked="" type="checkbox"/> Funded by SFEP demonstration project						
<input type="text" value="Installation Notes (Optional)"/>						
<a href="#">Cancel</a> - <a href="#">Save</a>						



# Trash Capture Device Maintenance Report — Hydrodynamic Separator

## 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](http://www.bayareatrashtacker.org)

Address or intersection: \_\_\_\_\_

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID \_\_\_\_\_

Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: \_\_\_\_\_

Reason for inspection/maintenance: (check all that apply)

- Regular scheduled
- Repair (describe): \_\_\_\_\_
- Response to complaint (describe): \_\_\_\_\_

#### Is device functioning properly?

- Yes  No (explain): \_\_\_\_\_
- Clogged

#### Condition of device

- Intact, not damaged
- Damaged or broken part (describe): \_\_\_\_\_
- Needs repair/adjustment (explain): \_\_\_\_\_

**Estimate the volume of trash recovered at maintenance event.** Use a tape measure or graduated probe to measure trash above the screen and in the sump basin. Volume will be calculated based on the dimensions of the device.

Volume of trash estimate: \_\_\_\_\_ cubic yards or \_\_\_\_\_ gallons

#### Maintenance effort:

How many staff participated in this maintenance event? \_\_\_\_\_

Equipment used for trash removal:

- Manual/shovels/clamshell  Vactor truck  Other (describe): \_\_\_\_\_

Maintenance time spent at site (excluding travel, prep, cleanup, disposal): \_\_\_\_\_ hrs. / \_\_\_\_\_ mins.

### 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 \_\_\_\_\_% \_\_\_\_\_ cubic ft.
- Sediment \_\_\_\_\_% \_\_\_\_\_ cubic ft.

Thank You!

San Francisco Estuary Partnership, [www.sfestuary.org](http://www.sfestuary.org)  
Janet Cox: (510) 622-2334 [jwcox@waterboards.ca.gov](mailto:jwcox@waterboards.ca.gov)  
Jesse Mills: (510) 622-2465 [jemills@waterboards.ca.gov](mailto:jemills@waterboards.ca.gov)

# 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](http://www.bayareatrashtacker.org)

Address or intersection: \_\_\_\_\_

OPTIONAL SFEP Device ID: \_\_\_\_\_ Municipal Device ID: \_\_\_\_\_

Purchase Order No.: \_\_\_\_\_ Item Line No. (from Purchase Order): \_\_\_\_\_

### MAINTENANCE

Date of maintenance event: \_\_\_\_\_

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: \_\_\_\_\_% full

#### Maintenance effort:

How many staff participated in this maintenance event?: \_\_\_\_\_

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 type="checkbox"/> Leaves/vegetation _____% _____ cubic ft. |
| <input type="checkbox"/> Sediment _____% _____ cubic ft. | <input type="checkbox"/> Glass _____% _____ cubic ft.             |
|  | <input type="checkbox"/> Other _____% _____ cubic ft.             |

Thank You!

San Francisco Estuary Partnership, [www.sfestuary.org](http://www.sfestuary.org)  
Janet Cox: (510) 622-2334 [jwcox@waterboards.ca.gov](mailto:jwcox@waterboards.ca.gov)  
Jesse Mills: (510) 622-2465 [jemills@waterboards.ca.gov](mailto:jemills@waterboards.ca.gov)



<i>This tab will be populated by SFEP with the devices you have installed, according to the Trash Tracker.</i>									
<b>HOW TO TO USE THIS WORKSHEET</b>									
<b>Use the fields below to describe how each type of device, in general, worked in your municipality. Type a few words or answer yes/no if appropriate</b>									
<b>Device type</b>	<b>Vendor/ Model name</b>	<b>In general, how full were devices of this type at maintenance?</b>	<b>How many staff were needed to perform maintenance?</b>	<b>How long did it take to maintain one device? (minutes)</b>	<b>What equipment did you use for maintenance?</b>	<b>Are maintenance requirements for this device reasonable, considering your staff and budget?</b>	<b>In general, what was the condition of devices at maintenance? (good, damaged, vandalized, etc.)</b>	<b>Would you purchase this device again?</b>	<b>Comments about the Demonstration Project? Suggestions for improvements?</b>
Hydrodynamic separator	Contech CDS								
Curb inlet screen	West Coast curb inlet screen								
Connector pipe screen	West Coast connector pipe screen								
Connector pipe screen	USW connector pipe screen								