Appendix M

Report on Sampling Debris Collected by Street Sweepers and for Catch Basin Cleanings (BMPs 6-6.b & 6-10.f)

REPORT ON SAMPLING DEBRIS COLLECTED BY STREET SWEEPERS AND FOR CATCH BASIN CLEANINGS (BMPs 6-6.b & 6-10.f)

SAMPLING PROGRAM

Background

BMP 6-6.b states that twice during the 5-year Permit period we will perform an analysis for pollutants of concern in material removed from streets by sweeping. BMP 6-10.f states that twice during the 5-year Permit period we will perform an analysis for pollutants of concern in material removed by cleaning catch basins.

EPA's guidance documents recommend that street sweeping and catch basin cleaning be performed on a regular basis to minimize pollutant export to receiving waters. These cleaning practices are designed to remove from road and parking lot surfaces sediment debris and other pollutants that are a potential source of pollution impacting urban waterways. Although performance monitoring done in the early 1980s for the Nationwide Urban Runoff Program indicated that street sweeping was not very effective in reducing pollutant loads, recent improvements in street sweeper technology have enhanced the ability of present day machines to pick up the fine-grained sediment particles to which many pollutants preferentially bind. Street sweeping is practiced in most urban areas, often as an aesthetic practice to remove sediment buildup and large debris from curb gutters. The frequency and intensity of rainfall for a region are key variables in determining how streets need to be swept to obtain the desired removal efficiency.

These BMPs were selected based on EPA's findings regarding the significance of the storm water quality impacts of pollutants discharged with street and parking lot runoff, and because all of the Participating Entities have streets and parking lots that they maintain.

The following are excerpts from the MRSWMP regarding "pollutants of concern:"

> *After three years of analyzing data* [from the First Flush Program] *and observing the thirteen sites used in this event, there are several pollutants of concern that we believe justify being targeted more heavily than other constituents, with appropriate BMPs. Bacteria and metals remain our pollutants of greatest concern, with orthophosphates also topping the list.*
>
> *BMPs which address bacteria include those pertaining to illicit discharge and illegal connection detection and elimination, as listed under Minimum Control Measure No. 3 in Table 4-1, and those pertaining to catch basin cleaning, as listed under Minimum Measure No. 6 in Table 4-1. BMPs which address metals include those pertaining to parking lot and street sweeping, as listed under Minimum Measure No. 6 on pages 24 through 33 of Table 4-1. BMPs which address orthophosphate include those pertaining to restaurant employee education, inspection of restaurants, and illicit discharge and illegal connection detection and elimination, as listed under Minimum Control Measures No. 1, 2, and 3 in Table 4-1.*

Constituents to be Analyzed

Based on the Background information above, it was decided that the street sweeping debris should be

analyzed for metals. These could include lead, zinc, cadmium, copper, chromium, and nickel, which are listed in the MRSWMP as being the types of metals that are commonly found in stormwater. However, lead, zinc, and copper are the only three metals that are tested for in the First Flush program. For purposes of comparing the results from sampling and analyzing street sweeping materials with water quality test results from the First Flush program, it may only be useful to analyze the street sweeping materials for lead, zinc, and copper.

Also based on the Background information above, it decided that the catch basin cleanings should be analyzed for bacteria and metals. The "pollutants of concern" excerpt from the MRSWMP only mentions bacteria as being associated with catch basin cleaning. However, it is reasonable to assume that metals are also removed by cleaning catch basins, since the street debris that is not removed by street sweeping is washed by rainfall into the catch basins. The metals would be the same as those listed for the street sweeping analyses described above. The bacteria would be *Escherichia coliform* (*E. Coli*) and enterococcus, which are the bacteria analyzed for under the First Flush Program. This will allow a direct comparison to be made of the First Flush data and the results of this sampling program

Sampling Program

The budget for BMP 6-6.b was based the assumption that five samples would be analyzed in each of the two years that analyses are to be performed under this BMP, at an estimated cost of $300 per sample for analytical work. This $300 figure was based on the following estimated unit costs for laboratory analytical services:

Oil and Grease - $60
Metals (per metal) - $20 (assumed analyzing for the 6 metals listed in the section above)
Orthophosphate - $25
Bacteria (for the group of all of the coliforms and enterococcus) - $50
Miscellaneous costs for supplies and materials - $45
Total cost per sample - $300.
Cost for five samples - $1,500.

These were 2006 costs, so the $1,500 budget figure was inflated to $1,700 for the Year 2 budget. This suit of analyses was used for budgeting, since we had not determined, at that time, which constituents for which we would want to perform analyses.

The budget for BMP 6-10.f was also based the assumption that five samples would be analyzed in each of the two years that analyses are to be performed under this BMP, at an estimated cost of $300 per sample for analytical work. This $300 figure was based on the same costs shown in the paragraph above.

A local analytical laboratory, Soil Control Laboratory in Watsonville, was contacted to discuss with them sampling procedures and costs. They were quite helpful, and mentioned that they routinely perform analyses on samples of soil and other materials from landfills as well as cleaning materials from storm system treatment devices, such as separators. They said the bulk of the cost is to prepare the sample for analysis, since these types of samples have a wide variety of materials in them. They also said that once they have the sample ready for analysis, there is very little additional cost to perform the analysis for a suite of metals, rather than just one or two metals per sample. They could perform an analysis for total metals, which means they digest the sample and run the analysis on the digested material. This result would include soluble, insoluble, and leachable metals. They can also perform an analysis for leachable metals only.

BMP 6-6.b: For BMP 6-6.b it was decided to have both leachable and total metals run. This is because the non-leachable materials will likely be carried out with the storm water and deposited into the benthic sediments in the receiving water. Over time, these materials could break down and contribute to metals in the water itself. Also, the RWQCB or other agencies may perform total metals analyses on some samples, such as benthic samples, and would therefore be interested in the total metal content of the storm water discharges. The leachable metals data would also be of interest, as it would show the amount of metal that is being discharged in a dissolved form, rather than a solid form. The dissolved form would more likely show up in analyses performed on water column samples.

The Soil Control Laboratory representative said that the cost per sample including preparation and analysis would probably run about $150, with a full suite of metals being analyzed for. With the $1,700 budget for Year 2, approximately 12 samples street sweeping samples could be analyzed for metals under BMP 6-6.b.

As shown in Attachment 1, the outfall with the highest zinc concentration was at the Steinbeck Plaza site in Monterey. The outfall with the highest copper concentration was at the Ocean Avenue site in Carmel. The outfall with the highest lead concentration was at the Forest site in Pacific Grove. Taking 4 samples within the drainage areas tributary to each of these three sites could be accomplished within the available budget. This would provide information regarding where, within each of those tributary areas, the concentrations of these metals were highest within the sweeping materials collected at each of the sampling locations. This information could be helpful to these cities in evaluating possible changes to their street sweeping programs to increase the removal of these metals from the streets that generate runoff flowing to these outfall sites.

BMP 6-10.f: For BMP 6-10.f it was decided to have the same metals analysis performed as recommended for BMP 6-6.b, and that analyses also be run for *E. Coli* and enterococcus. Based on conversations with the Soil Control Laboratory representative, the additional cost per sample to also perform the bacterial analyses for *E. Coli* and enterococcus was expected to be approximately $75.

As shown in Attachment 1, the outfall with the highest enterococcus concentration was at the Steinbeck Plaza site in Monterey. The outfall with the highest *E. Coli* concentration was at the Twin 51s site in Monterey. For BMP 6-10.f, taking four samples within the drainage areas tributary to each of these two sites could be accomplished within the available budget. This would provide information regarding where, within each of those tributary areas, the concentrations of these metals were highest within the catch basin cleanings collected at each of the sampling locations. This information could be helpful to these cities in evaluating possible changes to their catch basin cleaning programs to increase the removal of these metals from the streets that generate runoff flowing to these outfall sites.

Summary of Sampling Program:

The sampling program consisted of the following:

BMP 6-6.b: Perform total and leachable metals analyses on a total of 12 street sweeping samples, with 4 samples each being taken within the areas tributary to the Steinbeck Plaza (Monterey), Ocean Avenue (Carmel), and Forest (Pacific Grove) sites.

BMP 6-10.f: Perform total and leachable metals analyses, and *E. Coli* and enterococcus analyses, on a total of 8 catch basin cleaning samples, with 4 samples each being taken within the areas tributary to the Steinbeck Plaza and Twin 51s sites (both Monterey).

This work plan was approved by the Management Committee at its May 28, 2008 meeting. Sampling in accordance with this work plan was carried out by each of the three cities in June, 2008.

RESULTS

The complete analytical results from the sampling program are contained in the tables in Attachment 2. Maps showing the locations where the samples were taken are contained in Attachment 3.

Table 1 shows the results for the street sweeping parameters for which direct comparison with the First Flush results is possible, and which are the focus of consideration under BMP 6-6.b.

Table 1. Street Sweeping Sample Results (BMP 6-6.b)											
CARMEL Copper, mg/kg				**PACIFIC GROVE Lead, mg/kg**				**MONTEREY Zinc, mg/kg**			
SITE NO.				SITE NO.				SITE NO.			
1	2	3	4	5	6	7	8	9	10	11	12
33	35	77	47	29	42	64	23	290	150	140	180

In Carmel Site No. 3 is substantially higher in copper than any of the other sites that were sampled. In Pacific Grove Sites No. 6 and 7 are substantially higher in lead than any of the other sites that were sampled. In Monterey Site No. 9 is substantially higher in zinc than any of the other sites that were sampled. The data contained in Tables 1 and 2 are graphically depicted in the four figures below.

Table 2 shows the results for the catch basin parameters for which direct comparison with the First Flush results is possible, and which are the focus of consideration under BMP 6-10.f.

Table 2. Catch Basin Sample Results (BMP 6-10.f)								
MONTEREY								
Parameter MPN/g.	**Twin 51s Drainage Basin**				**Steinbeck Plaza Drainage Basin**			
	SITE NO.				SITE NO.			
	13	14	15	16	17	18	19	20
E. Coli	ND	84	48	>120,000	29,000	110,000	93	5.5
Enterococcus	810	15,000	190	>120,000	82,000	>120,000	22,000	550

In the Twin 51s Drainage Basin Sites No. 14 and 16 are substantially higher in Enterococcus, and at Site No. 16 also in E. Coli, than the other sites that were sampled. In the Steinbeck Plaza Drainage Basin Sites No. 17 and 18 were substantially higher in both E. Coli and Enterococcus than the other sites that were sampled.

These three entities will evaluate the feasibility of increasing the frequency of cleaning or sweeping in those locations where the highest constituent values were found.

It is important to recognize that there is no direct correlation between the constituent concentrations presented in the tables above, and the concentrations of these constituents in either the discharges from the storm water outfalls that serve these drainage basins, or in the receiving waters to which those outfalls discharge. The data presented above is from the material that is concentrated and collected in the process of performing street sweeping and cleaning of catch basins. When municipal storm water

runoff occurs during precipitation events, this street sweeping and catch basin cleaning debris has already been removed from the drainage basins, and is therefore not present to be carried off by the precipitation. Further, the concentrations of any of these constituents that may still remain on the surfaces or in the storm drainage facilities located within these drainage basins are substantially reduced through dilution by the precipitation itself.

OTHER CONSIDERATIONS

The following are excerpts from the recently released report titled *"Deriving Reliable Pollutant Removal Rates for Municipal Street Sweeping and Storm Drain Cleanout Programs in the Chesapeake Bay Basin"* dated September, 2008 (prepared under the auspices of the Center for Watershed Protection and downloadable from their website).

These provide some insight into the effectiveness of street sweeping and catch basin cleaning.

For a given set of assumptions and sweeping frequencies, it is expected that the ranges in pollutant removal rates from street sweeping for total solids (TS), total phosphorus (TP) and total nitrogen (TN) are: 9 – 31%, 3-8% and 3-7%, respectively. The lower end represents monthly street sweeping by a mechanical street sweeper, while the upper end characterizes the pollutant removal efficiencies using regenerative air/vacuum street sweeper at weekly frequencies.

Pollutant removal efficiencies (%) from street sweeping for TS, TP and TN.

Frequency	Technology	TS	TP	TN
Monthly	Mechanical	9	3	3
	Regenerative Air/Vacuum	22	4	4
Weekly	Mechanical	13	5	6
	Regenerative Air/Vacuum	31	8	7

For a given set of assumptions and cleanout frequencies, the ranges in pollutant removal efficiencies from catch basin cleaning for TS, TP and TN are estimated to range from 18-35%, less than 1-2% and 3-6%, respectively.

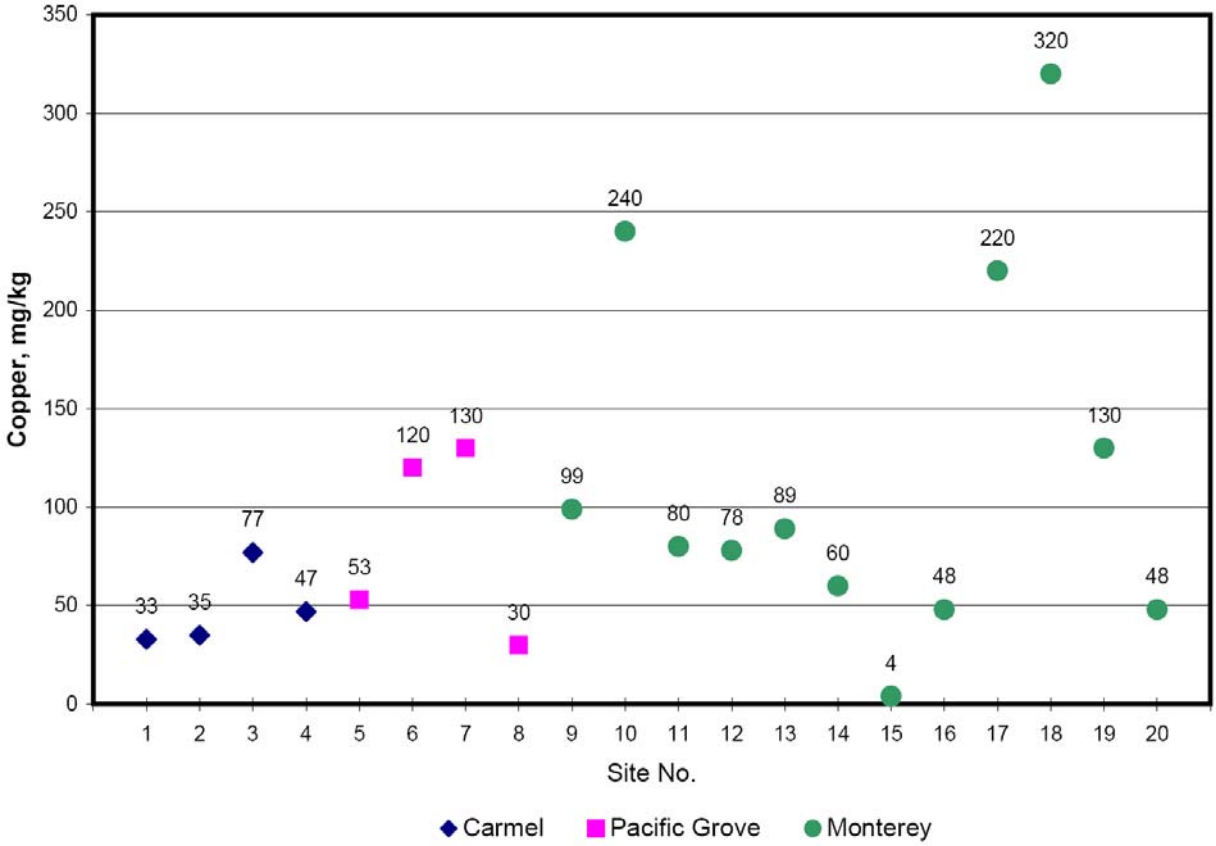
Pollutant removal rates (%) from catch basin cleanouts for TS, TP and TN.

Frequency	TS	TP	TN
Annual	18	<1	3
Semi-annual	35	2	6

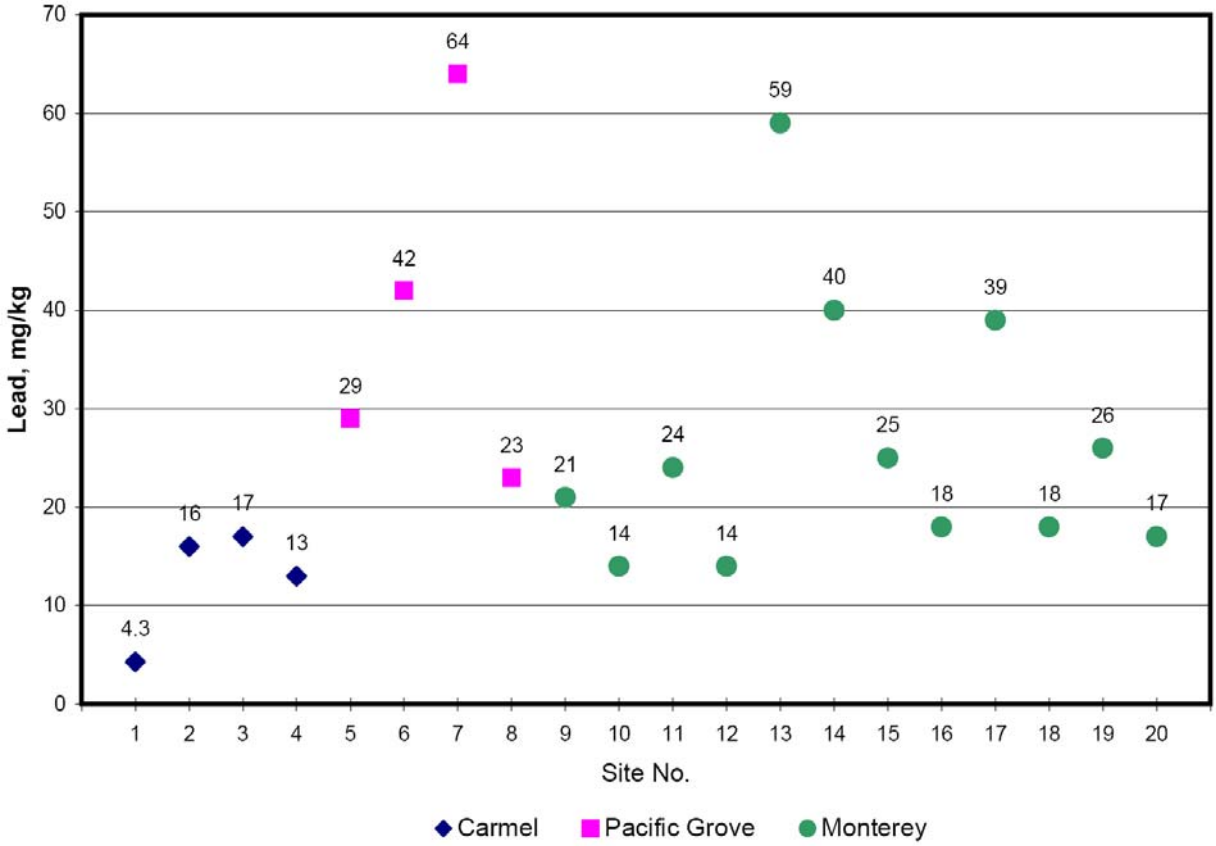
Some of the things recommended for consideration by MS4s in their storm water programs were to:

- Develop street sweeping and storm drain maintenance program efforts to target areas and times during the year in communities that may receive the greatest impact from street sweeping or storm drain cleanouts.
- Implement a downspout disconnection program and/or an urban stormwater retrofit program that redirects and treats stormwater before it reaches the storm drainage system (via parking lots, roads, sidewalks, alleyways) in ultra-urban catchments.
- Expand MS4 stormwater programs to include a curb-side leaf litter pick-up program that is able to maximize the reduction of leaf litter and prevent it from entering the storm drain. This is important for two reasons, 1) street sweepers avoid leaf piles and this reduces the effectiveness of this practice (sweepers may also emulsify leafy debris and make it more easily entrained by runoff, and 2) the decomposition of leaves and other organic debris in storm drain inlets or catch basins can create an environment suitable for the release of inorganic nitrogen and transport to receiving waters.

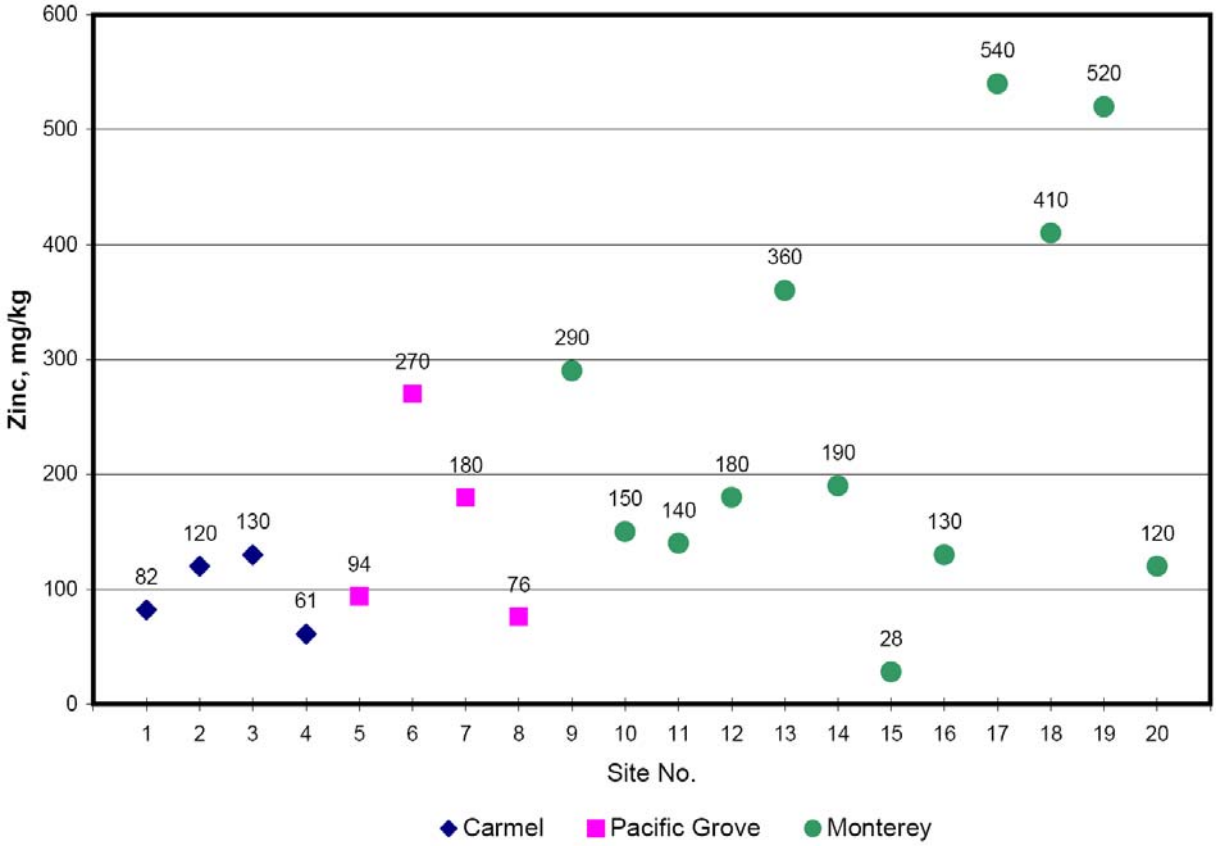
Copper Results from Street Sweeping Sampling



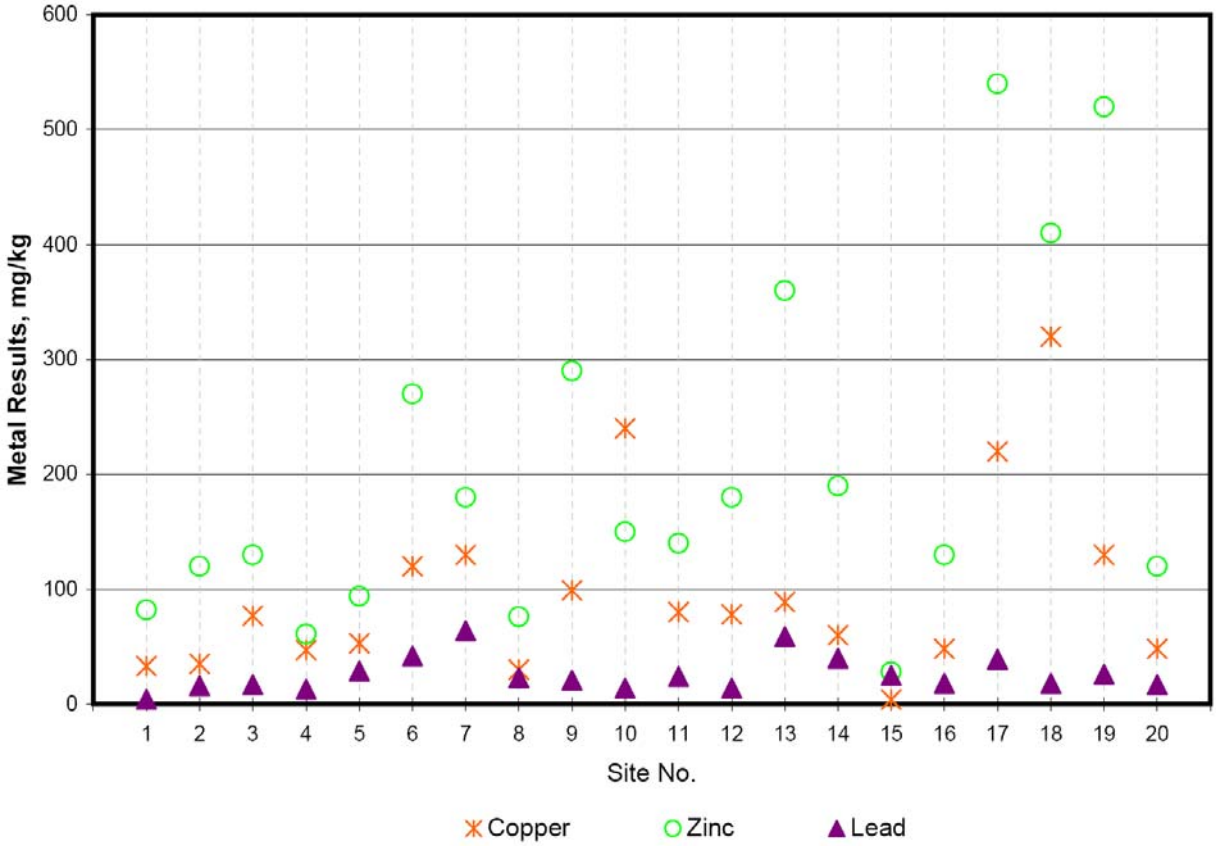
Lead Results from Street Sweeping Sampling



Zinc Results from Street Sweeping Sampling

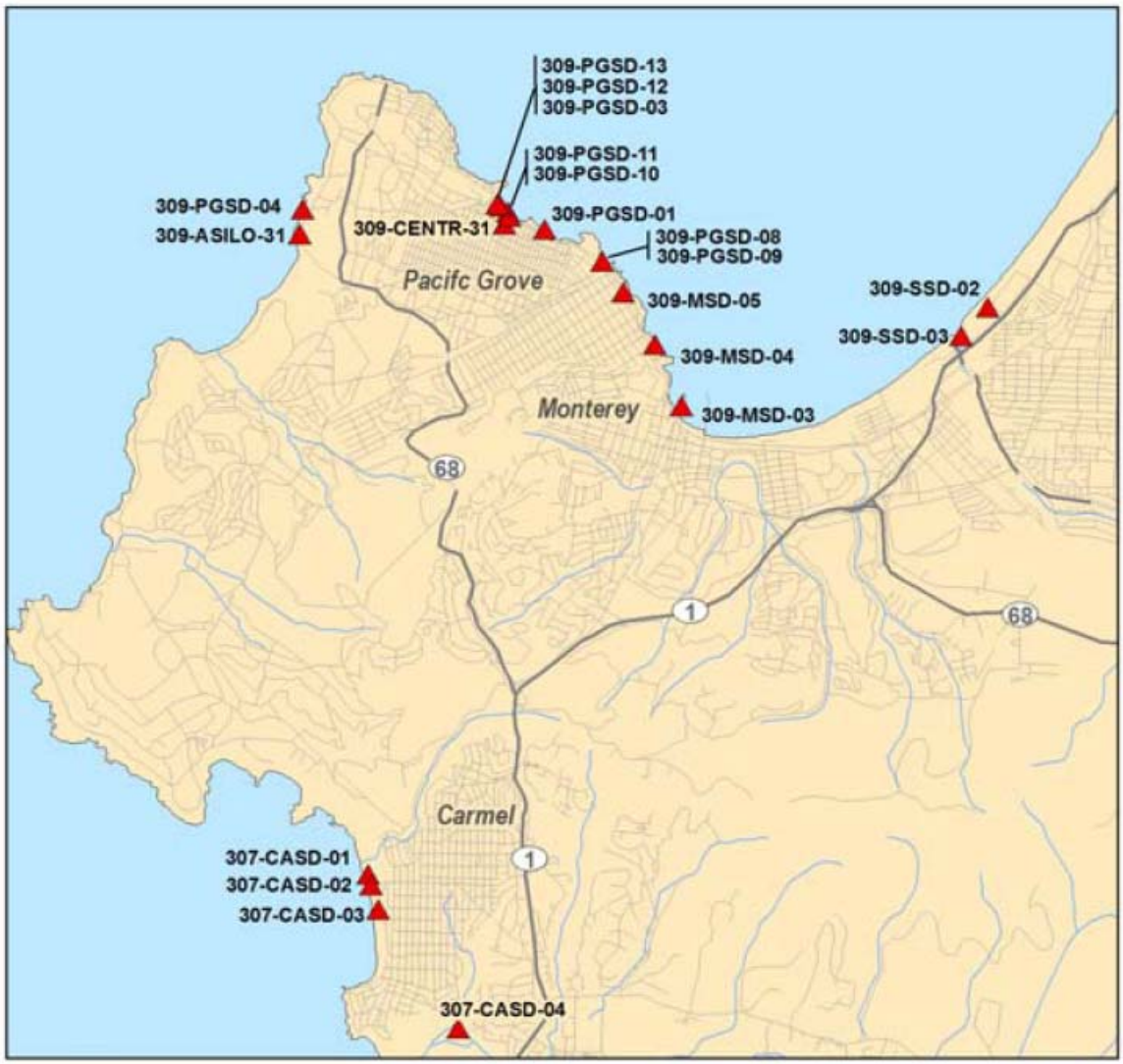


Copper, Zinc, and Lead Results from Street Sweeping Sampling



ATTACHMENT 1

EXCERPTS FROM 2007 FIRST FLUSH REPORT


309-PGSD-13
309-PGSD-12
309-PGSD-03
309-PGSD-11
309-PGSD-10
309-PGSD-04
309-ASILO-31
309-CENTR-31
309-PGSD-01
309-PGSD-08
309-PGSD-09
Pacifc Grove
309-MSD-05
309-SSD-02
309-SSD-03
309-MSD-04
Monterey
309-MSD-03
68
1
68
Carmel
1
307-CASD-01
307-CASD-02
307-CASD-03
307-CASD-04

Metals

Storm water runoff in coastal urban areas has been known to produce significant toxicity to early life stages of aquatic organisms due to the presence of trace minerals. The effects include reduced reproduction, developmental deformities, and mortality. In this monitoring event, samples were analyzed for total zinc (Zn), total copper (Cu), and total lead (Pb). The California Basin Plan has established the water quality criteria for these metals. Common sources of metals include automobile brake pads, industrial waste, and metal roofs or downspouts.

The background concentration for zinc (Zn) in seawater on the Central Coast is 8.0 micrograms per liter (µg/l). The Basin Plan water quality objective for Zn is <200 µg/l. This year, 54% of sites exceeded the WQO for Zinc, which is up from 48% last year. Exceedances were spread between the cities this year, from Half Moon Bay to Carmel (Figure 8).

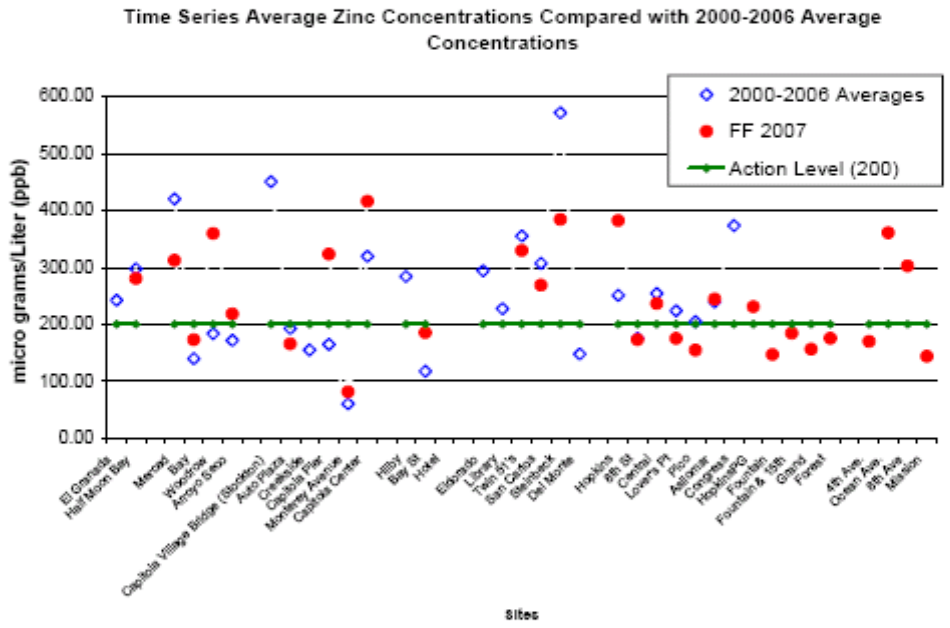


Figure 8. Sites are grouped north to south by city (El Granada, Half Moon Bay, Santa Cruz, Capitola, Seaside, Monterey, Pacific Grove and Carmel). The WQO for Zinc is 200 µg/l and is represented in green.

The background concentration for copper (Cu) in sea water is 2.0 µg/l. The Basin Plan standard established for Cu is 30 µg/l. During First Flush, 79% of sites exceeded this limit, and most exceedances occurred in the southern end of the bay. In Pacific Grove, Asilomar and the Forest site averaged higher than others. Especially high were the Carmel sites, which are new sites this year. All Carmel sites averaged over 145 µg/l and Ocean Avenue averaged 212 µg/l (Figure 9).

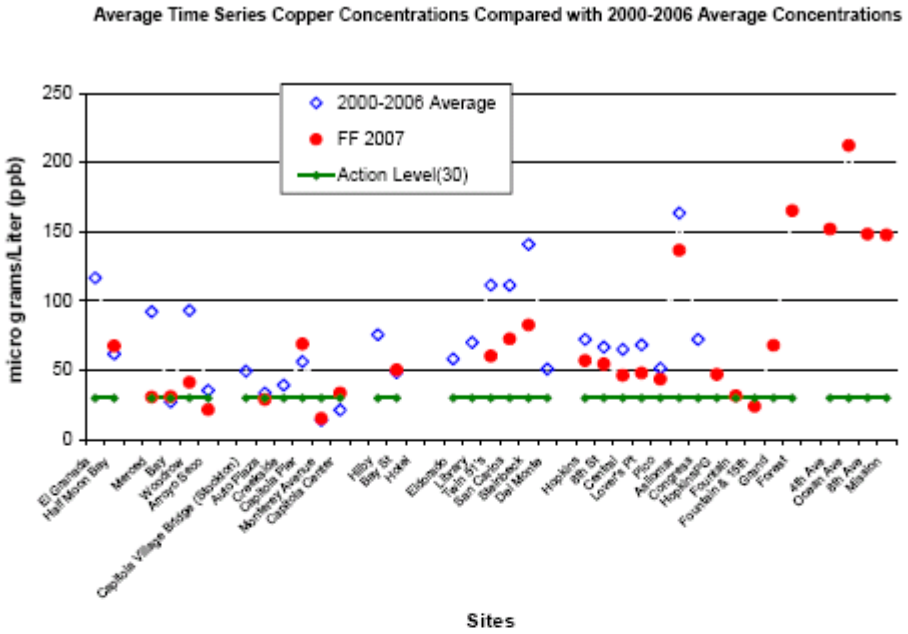


Figure 9. Sites are grouped north to south by city (El Granada, Half Moon Bay, Santa Cruz, Capitola, Seaside, Monterey, Pacific Grove and Carmel). The WQO for Copper is 30µg/l and is represented in green.

The Basin Plan water quality objective for lead (Pb) is 30 µg/l. Only five sites had exceedances for lead, one each in Santa Cruz, Monterey, and Carmel, and two site in Pacific Grove. The highest average time series concentration for lead was at the Forest site in Pacific Grove, with a value of 48 µg/l (Figure 10).

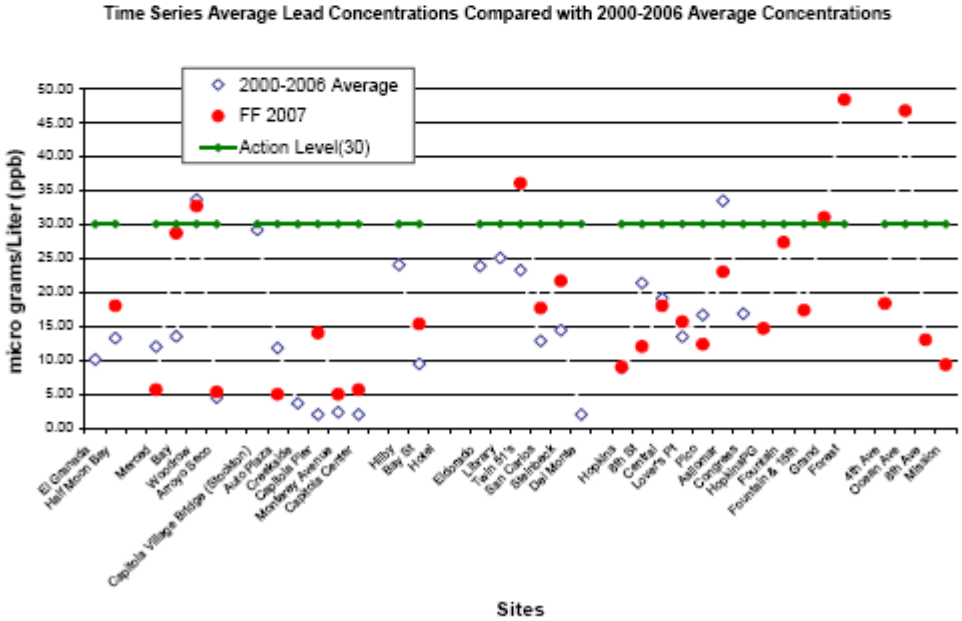


Figure 10. Sites grouped north to south by city (El Granada, Half Moon Bay, Seaside, Monterey, Pacific Grove and Carmel). The WQO for lead is 30 µg/l and is represented in green.

Bacteria

Escherichia coli (E. coli) and Enterrococcus are two forms of indicator bacteria. While they don't necessarily cause disease in humans, their presence indicates the presence of waste and the pathogens associated with it. *E. coli* is a member of the fecal coliform group, a subset of the total coliform group. The U.S. Environmental Protection Agency criterion for *E. coli* is 400 MPN/100ml; for Enterrococcus, the criterion is 104 MPN/100ml.

Both types of bacteria were high in all cities, at all sites. Enterrococcus was lowest in Carmel, but averages were still above the water quality objective. For *E.coli,* only one time series measurement at Fountain & 15th was below the EPA criteria. *E.coli* values reached as high as 165,301 MPN/100ml at Twin's in Monterey, and 241,959 MPN/100ml at Monterey Avenue in Capitola (Figure 6). Enterrococcus values reached as high as 112,902 MPN/100ml at Steinbeck and 91,787 MPN/100ml at HopkinsMon (Figure 7).

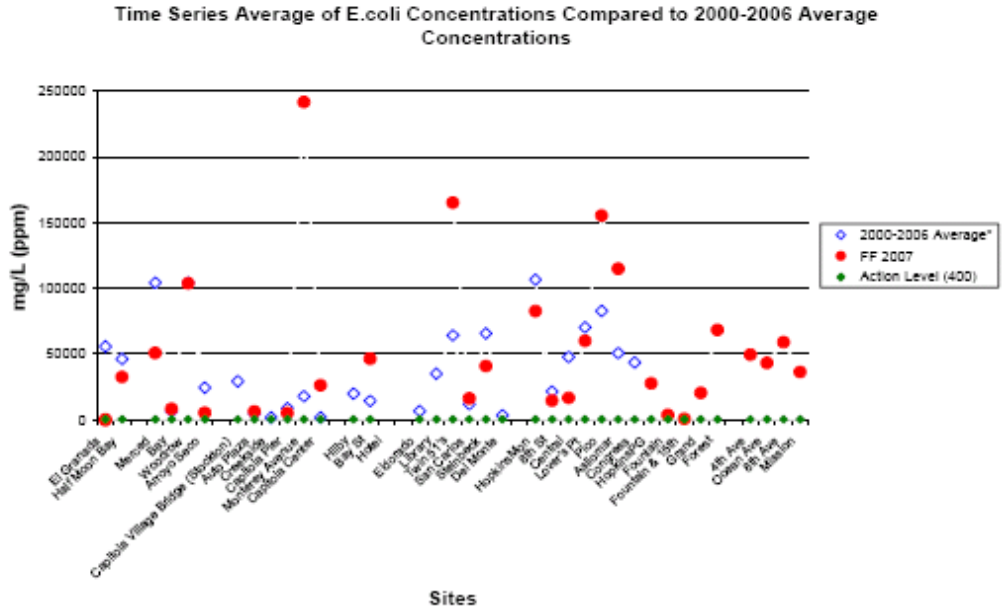


Figure 6. Sites are grouped north to south by city (El Granada, Half Moon Bay, Santa Cruz, Capitola, Seaside, Monterey, Pacific Grove and Carmel). The water quality objective for *E. coli* is 400 MPN/100ml and is represented in green.

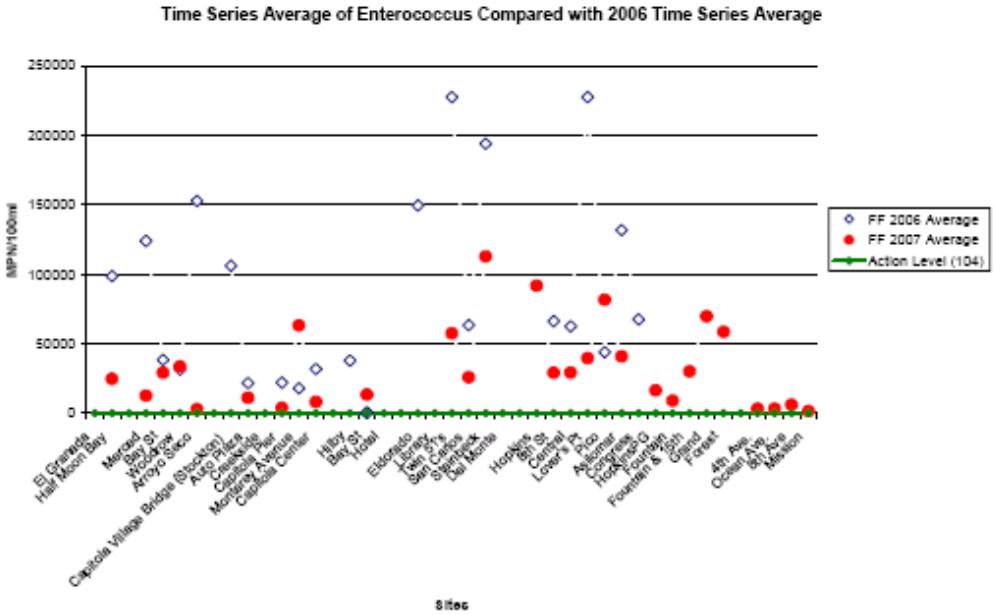


Figure 7. Sites are grouped north to south by city (El Granada, Half Moon Bay, Santa Cruz, Capitola, Seaside, Monterey, Pacific Grove and Carmel). The water quality objective for Enterrococcus is 104 MPN/100ml and is represented in green.

ATTACHMENT 2

ANALYTICAL RESULTS

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 1 - Carmel Street Sweeping, sampled 6/12/2008 12:00:00AM
Sampler Name / Co.: S. Ross / MRWPCA
Matrix: Soil
Laboratory #: 8060511-01

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	88	% by Wt	0.10	EPA 160.3	06/16/08	
Total Silver (Ag)	0.10	mg/kg dry	0.091	EPA 6020	07/01/08	
Total Zinc (Zn)	82	mg/kg dry	1.1	EPA 6020	07/01/08	
Total Vanadium (V)	41	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.57	EPA 6020	07/01/08	
Total Antimony (Sb)	0.26	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Lead (Pb)	4.3	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Nickel (Ni)	21	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Molydenum (Mo)	1.2	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Barium (Ba)	32	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Arsenic (As)	0.62	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Mercury (Hg)	0.094	mg/kg dry	0.057	EPA 7471A	06/26/08	
Total Beryllium (Be)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Cobalt (Co)	8.1	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Chromium (Cr)	29	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Copper (Cu)	33	mg/kg dry	0.23	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 2 - Carmel Street Sweeping, sampled 6/12/2008 12:00:00AM
Sampler Name / Co.: S. Ross / MRWPCA
Matrix: Soil
Laboratory #: 8060511-02

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	77	% by Wt	0.10	EPA 160.3	06/16/08	
Total Selenium (Se)	ND	mg/kg dry	0.65	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Molydenum (Mo)	1.7	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Cobalt (Co)	3.2	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Barium (Ba)	37	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Arsenic (As)	0.77	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Nickel (Ni)	9.1	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Chromium (Cr)	11	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Zinc (Zn)	120	mg/kg dry	1.3	EPA 6020	07/01/08	
Total Vanadium (V)	20	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Antimony (Sb)	0.77	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Lead (Pb)	16	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Copper (Cu)	35	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.26	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.10	EPA 6020	07/01/08	
Total Mercury (Hg)	0.068	mg/kg dry	0.065	EPA 7471A	06/26/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 3 - Carmel Street Sweeping, sampled 6/12/2008 12:00:00AM
Sampler Name / Co.: S. Ross / MRWPCA
Matrix: Soil
Laboratory #: 8060511-03

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	82	% by Wt	0.10	EPA 160.3	06/16/08	
Total Selenium (Se)	ND	mg/kg dry	0.61	EPA 6020	07/01/08	
Total Antimony (Sb)	1.1	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Vanadium (V)	27	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Silver (Ag)	0.17	mg/kg dry	0.098	EPA 6020	07/01/08	
Total Zinc (Zn)	130	mg/kg dry	1.2	EPA 6020	07/01/08	
Total Nickel (Ni)	8.1	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Arsenic (As)	0.78	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Molydenum (Mo)	1.8	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Cobalt (Co)	4.6	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Copper (Cu)	77	mg/kg dry	2.4	EPA 6020	07/01/08	
Total Chromium (Cr)	11	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Barium (Ba)	49	mg/kg dry	2.4	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.061	EPA 7471A	06/26/08	
Total Lead (Pb)	17	mg/kg dry	0.24	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 4 - Carmel Street Sweeping, sampled 6/12/2008 12:00:00AM
Sampler Name / Co.: S. Ross / MRWPCA
Matrix: Soil
Laboratory #: 8060511-04

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	92	% by Wt	0.10	EPA 160.3	06/16/08	
Total Zinc (Zn)	61	mg/kg dry	1.1	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Lead (Pb)	13	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Molydenum (Mo)	0.67	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Chromium (Cr)	5.9	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.55	EPA 6020	07/01/08	
Total Antimony (Sb)	0.22	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Vanadium (V)	23	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.087	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.055	EPA 7471A	06/26/08	
Total Copper (Cu)	47	mg/kg dry	2.2	EPA 6020	07/01/08	
Total Cobalt (Co)	3.5	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Barium (Ba)	33	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Arsenic (As)	0.50	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Nickel (Ni)	5.0	mg/kg dry	0.22	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 5 - Pacific Grove Street Sweeping, sampled 6/11/2008 12:00:00AM
Sampler Name / Co.: Emilio / MRWPCA
Matrix: Soil
Laboratory #: 8060511-05

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	80	% by Wt	0.10	EPA 160.3	06/16/08	
Total Copper (Cu)	53	mg/kg dry	2.5	EPA 6020	07/01/08	
Total Nickel (Ni)	8.4	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Lead (Pb)	29	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Molydenum (Mo)	0.77	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Chromium (Cr)	15	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Cobalt (Co)	4.9	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Zinc (Zn)	94	mg/kg dry	1.3	EPA 6020	07/01/08	
Total Vanadium (V)	33	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.63	EPA 6020	07/01/08	
Total Antimony (Sb)	ND	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Barium (Ba)	43	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Mercury (Hg)	0.064	mg/kg dry	0.063	EPA 7471A	06/26/08	
Total Arsenic (As)	0.88	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.10	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 6 - Pacific Grove Street Sweeping, sampled 6/11/2008 12:00:00AM
Sampler Name / Co.: Emilio / MRWPCA
Matrix: Soil
Laboratory #: 8060511-06

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	61	% by Wt	0.10	EPA 160.3	06/16/08	
Total Lead (Pb)	42	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Chromium (Cr)	19	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.13	EPA 6020	07/01/08	
Total Arsenic (As)	1.5	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Antimony (Sb)	1.0	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.82	EPA 6020	07/01/08	
Total Zinc (Zn)	270	mg/kg dry	1.6	EPA 6020	07/01/08	
Total Vanadium (V)	36	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Barium (Ba)	76	mg/kg dry	3.3	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Copper (Cu)	120	mg/kg dry	3.3	EPA 6020	07/01/08	
Total Nickel (Ni)	14	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Cadmium (Cd)	0.40	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Cobalt (Co)	5.9	mg/kg dry	0.33	EPA 6020	07/01/08	
Total Mercury (Hg)	0.17	mg/kg dry	0.16	EPA 7471A	06/26/08	
Total Molydenum (Mo)	2.3	mg/kg dry	0.33	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 7 - Pacific Grove Street Sweeping, sampled 6/11/2008 12:00:00AM
Sampler Name / Co.: Emilio / MRWPCA
Matrix: Soil
Laboratory #: 8060511-07

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	79	% by Wt	0.10	EPA 160.3	06/16/08	
Total Zinc (Zn)	180	mg/kg dry	1.3	EPA 6020	07/01/08	
Total Silver (Ag)	0.31	mg/kg dry	0.10	EPA 6020	07/01/08	
Total Molydenum (Mo)	2.2	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Barium (Ba)	63	mg/kg dry	2.5	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Lead (Pb)	64	mg/kg dry	2.5	EPA 6020	07/01/08	
Total Nickel (Ni)	16	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Copper (Cu)	130	mg/kg dry	2.5	EPA 6020	07/01/08	
Total Vanadium (V)	33	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Antimony (Sb)	0.77	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Mercury (Hg)	0.12	mg/kg dry	0.063	EPA 7471A	06/26/08	
Total Chromium (Cr)	39	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Arsenic (As)	1.6	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Cadmium (Cd)	0.38	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Cobalt (Co)	5.1	mg/kg dry	0.25	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.63	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 8 - Pacific Grove Street Sweeping, sampled 6/11/2008 12:00:00AM
Sampler Name / Co.: Emilio / MRWPCA
Matrix: Soil
Laboratory #: 8060511-08

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	90	% by Wt	0.10	EPA 160.3	06/16/08	
Total Barium (Ba)	30	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Cobalt (Co)	3.1	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.089	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Vanadium (V)	18	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Zinc (Zn)	76	mg/kg dry	1.1	EPA 6020	07/01/08	
Total Arsenic (As)	0.89	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.055	EPA 7471A	06/26/08	
Total Chromium (Cr)	6.3	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Copper (Cu)	30	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Lead (Pb)	23	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Molydenum (Mo)	0.36	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Antimony (Sb)	ND	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.55	EPA 6020	07/01/08	
Total Nickel (Ni)	6.1	mg/kg dry	0.22	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 9 - Monterey Street Sweeping, sampled 6/13/2008 12:00:00AM
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-09

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	86	% by Wt	0.10	EPA 160.3	06/16/08	
Total Copper (Cu)	99	mg/kg dry	2.3	EPA 6020	07/01/08	
Total Antimony (Sb)	0.50	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Zinc (Zn)	290	mg/kg dry	12	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Chromium (Cr)	22	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Nickel (Ni)	21	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Lead (Pb)	21	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.093	EPA 6020	07/01/08	
Total Molydenum (Mo)	2.1	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Barium (Ba)	90	mg/kg dry	2.3	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.058	EPA 7471A	06/26/08	
Total Cobalt (Co)	5.9	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Cadmium (Cd)	0.45	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Vanadium (V)	30	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Arsenic (As)	1.7	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.58	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 10 - Monterey Street Sweeping, sampled 6/13/2008 12:00:00AM
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-10

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	93	% by Wt	0.10	EPA 160.3	06/16/08	
Total Beryllium (Be)	ND	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Cobalt (Co)	5.1	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.053	EPA 7471A	06/26/08	
Total Copper (Cu)	240	mg/kg dry	2.1	EPA 6020	07/01/08	
Total Chromium (Cr)	19	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Molydenum (Mo)	2.4	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Barium (Ba)	120	mg/kg dry	2.1	EPA 6020	07/01/08	
Total Arsenic (As)	2.9	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Silver (Ag)	0.12	mg/kg dry	0.086	EPA 6020	07/01/08	
Total Antimony (Sb)	0.36	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.53	EPA 6020	07/01/08	
Total Vanadium (V)	25	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Lead (Pb)	14	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Nickel (Ni)	15	mg/kg dry	0.21	EPA 6020	07/01/08	
Total Zinc (Zn)	150	mg/kg dry	1.1	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 11 - Monterey Street Sweeping, sampled 6/13/2008 12:00:00AM
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-11

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	88	% by Wt	0.10	EPA 160.3	06/16/08	
Total Vanadium (V)	43	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.090	EPA 6020	07/01/08	
Total Lead (Pb)	24	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Antimony (Sb)	0.33	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Molydenum (Mo)	1.8	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Mercury (Hg)	0.094	mg/kg dry	0.057	EPA 7471A	06/26/08	
Total Thallium (Tl)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.57	EPA 6020	07/01/08	
Total Nickel (Ni)	16	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Copper (Cu)	80	mg/kg dry	2.3	EPA 6020	07/01/08	
Total Zinc (Zn)	140	mg/kg dry	1.1	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Barium (Ba)	79	mg/kg dry	2.3	EPA 6020	07/01/08	
Total Chromium (Cr)	15	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Cobalt (Co)	7.5	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Arsenic (As)	1.2	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 12 - Monterey Street Sweeping, sampled 6/13/2008 12:00:00AM
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-12

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	83	% by Wt	0.10	EPA 160.3	06/16/08	
Total Silver (Ag)	ND	mg/kg dry	0.096	EPA 6020	07/01/08	
Total Arsenic (As)	1.8	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Cadmium (Cd)	0.27	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Vanadium (V)	36	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Zinc (Zn)	180	mg/kg dry	1.2	EPA 6020	07/01/08	
Total Molydenum (Mo)	1.9	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Copper (Cu)	78	mg/kg dry	2.4	EPA 6020	07/01/08	
Total Cobalt (Co)	6.8	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.60	EPA 6020	07/01/08	
Total Antimony (Sb)	0.54	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Lead (Pb)	14	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Nickel (Ni)	13	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.060	EPA 7471A	06/26/08	
Total Chromium (Cr)	18	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Barium (Ba)	47	mg/kg dry	2.4	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 13 - Monterey Catch Basin Franklin @ Watson, sampled 6/13/2008 12:00:0
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-13

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	92	% by Wt	0.10	EPA 160.3	06/16/08	
Total Copper (Cu)	89	mg/kg dry	2.2	EPA 6020	07/01/08	
Total Nickel (Ni)	12	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Lead (Pb)	59	mg/kg dry	2.2	EPA 6020	07/01/08	
Total Mercury (Hg)	0.082	mg/kg dry	0.054	EPA 7471A	06/26/08	
Total Molydenum (Mo)	2.6	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.54	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.087	EPA 6020	07/01/08	
Total Chromium (Cr)	12	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Antimony (Sb)	1.8	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Arsenic (As)	1.4	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Barium (Ba)	110	mg/kg dry	2.2	EPA 6020	07/01/08	
Total Zinc (Zn)	360	mg/kg dry	11	EPA 6020	07/01/08	
Total Vanadium (V)	32	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Cobalt (Co)	4.9	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.22	EPA 6020	07/01/08	
Total Cadmium (Cd)	0.46	mg/kg dry	0.22	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 14 - Monterey Catch Basin Franklin @ Pacific, sampled 6/13/2008 12:00:0(
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-14

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	55	% by Wt	0.10	EPA 160.3	06/16/08	
Total Thallium (Tl)	ND	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Nickel (Ni)	13	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Zinc (Zn)	190	mg/kg dry	1.8	EPA 6020	07/01/08	
Total Copper (Cu)	60	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Vanadium (V)	25	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.91	EPA 6020	07/01/08	
Total Antimony (Sb)	0.73	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Lead (Pb)	40	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Arsenic (As)	4.3	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Barium (Ba)	65	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Chromium (Cr)	19	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.15	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.091	EPA 7471A	06/26/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Molydenum (Mo)	1.6	mg/kg dry	0.37	EPA 6020	07/01/08	
Total Cobalt (Co)	4.4	mg/kg dry	0.37	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 15 - Monterey Catch Basin Pacific @ Artillery, sampled 6/13/2008 12:00:00
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-15

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	83	% by Wt	0.10	EPA 160.3	06/16/08	
Total Zinc (Zn)	28	mg/kg dry	1.2	EPA 6020	07/01/08	
Total Nickel (Ni)	1.8	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.097	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Arsenic (As)	1.1	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Lead (Pb)	25	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Copper (Cu)	4.0	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Barium (Ba)	23	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Chromium (Cr)	2.4	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Vanadium (V)	5.8	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Cobalt (Co)	1.2	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.060	EPA 7471A	06/26/08	
Total Molydenum (Mo)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Antimony (Sb)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.60	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.24	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 16 - Monterey Catch Basin Alvarado @ Del Monte, sampled 6/13/2008 12:(
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-16

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	88	% by Wt	0.10	EPA 160.3	06/16/08	
Total Selenium (Se)	ND	mg/kg dry	0.57	EPA 6020	07/01/08	
Total Antimony (Sb)	0.80	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Chromium (Cr)	11	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Molydenum (Mo)	1.5	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.057	EPA 7471A	06/26/08	
Total Lead (Pb)	18	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Nickel (Ni)	8.7	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Copper (Cu)	48	mg/kg dry	2.3	EPA 6020	07/01/08	
Total Arsenic (As)	3.4	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Zinc (Zn)	130	mg/kg dry	1.1	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Vanadium (V)	13	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Cobalt (Co)	2.8	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.090	EPA 6020	07/01/08	
Total Barium (Ba)	41	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 17 - Monterey Catch Basin Prescott @ Lighthouse, sampled 6/13/2008 12:(
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-17

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	39	% by Wt	0.10	EPA 160.3	06/16/08	
Total Cobalt (Co)	4.8	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Lead (Pb)	39	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.20	EPA 6020	07/01/08	
Total Zinc (Zn)	540	mg/kg dry	26	EPA 6020	07/01/08	
Total Cadmium (Cd)	0.71	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Nickel (Ni)	13	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Vanadium (V)	27	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Arsenic (As)	1.8	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Barium (Ba)	96	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Chromium (Cr)	25	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	1.3	EPA 6020	07/01/08	
Total Antimony (Sb)	1.9	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.13	EPA 7471A	06/26/08	
Total Thallium (Tl)	ND	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.51	EPA 6020	07/01/08	
Total Copper (Cu)	220	mg/kg dry	5.1	EPA 6020	07/01/08	
Total Molydenum (Mo)	3.8	mg/kg dry	0.51	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 18 - Motnerey Catch Basin Prescott @ Cannery Row, sampled 6/13/2008 1
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-18

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	40	% by Wt	0.10	EPA 160.3	06/16/08	
Total Zinc (Zn)	410	mg/kg dry	2.5	EPA 6020	07/01/08	
Total Cadmium (Cd)	0.61	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Cobalt (Co)	3.1	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.13	EPA 7471A	06/26/08	
Total Lead (Pb)	18	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	1.3	EPA 6020	07/01/08	
Total Copper (Cu)	320	mg/kg dry	5.0	EPA 6020	07/01/08	
Total Nickel (Ni)	30	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Antimony (Sb)	1.2	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Molydenum (Mo)	22	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Vanadium (V)	14	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Chromium (Cr)	14	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Barium (Ba)	76	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Silver (Ag)	0.25	mg/kg dry	0.20	EPA 6020	07/01/08	
Total Arsenic (As)	2.6	mg/kg dry	0.50	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.50	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 19 - Monterey Catch Basin Prescott @ Wave, sampled 6/13/2008 12:00:00
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-19

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	72	% by Wt	0.10	EPA 160.3	06/16/08	
Total Copper (Cu)	130	mg/kg dry	2.8	EPA 6020	07/01/08	
Total Vanadium (V)	25	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Mercury (Hg)	0.11	mg/kg dry	0.069	EPA 7471A	06/26/08	
Total Cadmium (Cd)	0.48	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Molydenum (Mo)	1.6	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Lead (Pb)	26	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Silver (Ag)	0.44	mg/kg dry	0.11	EPA 6020	07/01/08	
Total Chromium (Cr)	31	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Antimony (Sb)	0.86	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.69	EPA 6020	07/01/08	
Total Nickel (Ni)	16	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Arsenic (As)	8.2	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Barium (Ba)	110	mg/kg dry	2.8	EPA 6020	07/01/08	
Total Cobalt (Co)	6.4	mg/kg dry	0.28	EPA 6020	07/01/08	
Total Zinc (Zn)	520	mg/kg dry	14	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 20 - Monterey Catch Basin Prescott @ Foam, sampled 6/13/2008 12:00:00
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-20

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
Percent Solids	88	% by Wt	0.10	EPA 160.3	06/16/08	
Total Arsenic (As)	1.1	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Chromium (Cr)	13	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Cobalt (Co)	4.8	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Barium (Ba)	43	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Thallium (Tl)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Antimony (Sb)	0.47	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Lead (Pb)	17	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Mercury (Hg)	ND	mg/kg dry	0.057	EPA 7471A	06/26/08	
Total Zinc (Zn)	120	mg/kg dry	1.1	EPA 6020	07/01/08	
Total Vanadium (V)	30	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Nickel (Ni)	12	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Copper (Cu)	48	mg/kg dry	2.3	EPA 6020	07/01/08	
Total Cadmium (Cd)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Beryllium (Be)	ND	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Silver (Ag)	ND	mg/kg dry	0.091	EPA 6020	07/01/08	
Total Molydenum (Mo)	1.4	mg/kg dry	0.23	EPA 6020	07/01/08	
Total Selenium (Se)	ND	mg/kg dry	0.57	EPA 6020	07/01/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Metals - Quality Control
Soil Control Lab

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch PG80024 - EPA 3050B											
Blank (PG80024-BLK1)					Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Nickel (Ni)	ND		0.010	mg/kg wet							
Total Copper (Cu)	ND		0.010	"							
Total Selenium (Se)	ND		0.025	"							
Total Cobalt (Co)	ND		0.010	"							
Total Barium (Ba)	ND		0.010	"							
Total Vanadium (V)	ND		0.010	"							
Total Chromium (Cr)	ND		0.010	"							
Total Beryllium (Be)	ND		0.010	"							
Total Molydenum (Mo)	ND		0.010	"							
Total Antimony (Sb)	ND		0.010	"							
Total Silver (Ag)	ND		0.0040	"							
Total Thallium (Tl)	ND		0.010	"							
Total Zinc (Zn)	ND		0.050	"							
Total Lead (Pb)	ND		0.010	"							
Total Arsenic (As)	ND		0.010	"							
Total Cadmium (Cd)	ND		0.010	"							
Blank (PG80024-BLK2)					Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Silver (Ag)	ND		0.0040	mg/kg wet							
Total Zinc (Zn)	ND		0.050	"							
Total Barium (Ba)	ND		0.010	"							
Total Copper (Cu)	ND		0.010	"							
Total Vanadium (V)	ND		0.010	"							
Total Cadmium (Cd)	ND		0.010	"							
Total Arsenic (As)	ND		0.010	"							
Total Cobalt (Co)	ND		0.010	"							
Total Thallium (Tl)	ND		0.010	"							
Total Lead (Pb)	ND		0.010	"							
Total Chromium (Cr)	ND		0.010	"							

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Metals - Quality Control

Soil Control Lab

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch PG80024 - EPA 3050B											
Blank (PG80024-BLK2)					Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Molydenum (Mo)	ND		0.010	mg/kg wet							
Total Nickel (Ni)	ND		0.010	"							
Total Antimony (Sb)	ND		0.010	"							
Total Selenium (Se)	ND		0.025	"							
Total Beryllium (Be)	ND		0.010	"							
LCS (PG80024-BS1)					Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Silver (Ag)	0.1973		0.0040	mg/kg wet	0.200		98.6	85-115			
Total Copper (Cu)	0.1906		0.010	"	0.200		95.3	85-115			
Total Molydenum (Mo)	0.1898		0.010	"	0.200		94.9	85-115			
Total Beryllium (Be)	0.1992		0.010	"	0.200		99.6	85-115			
Total Cobalt (Co)	0.1921		0.010	"	0.200		96.0	85-115			
Total Cadmium (Cd)	0.1952		0.010	"	0.200		97.6	85-115			
Total Thallium (Tl)	0.1766		0.010	"	0.200		88.3	85-115			
Total Zinc (Zn)	0.9871		0.050	"	1.00		98.7	85-115			
Total Nickel (Ni)	0.1909		0.010	"	0.200		95.4	85-115			
Total Barium (Ba)	0.1900		0.010	"	0.200		95.0	85-115			
Total Chromium (Cr)	0.1896		0.010	"	0.200		94.8	85-115			
Total Vanadium (V)	0.1938		0.010	"	0.200		96.9	85-115			
Total Selenium (Se)	0.3960		0.025	"	0.400		99.0	85-115			
Total Arsenic (As)	0.1902		0.010	"	0.200		95.1	85-115			
Total Antimony (Sb)	0.1840		0.010	"	0.200		92.0	85-115			
Total Lead (Pb)	0.1846		0.010	"	0.200		92.3	85-115			
LCS Dup (PG80024-BSD1)					Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Beryllium (Be)	0.2019		0.010	mg/kg wet	0.200		101	85-115	1.35	20	
Total Arsenic (As)	0.1921		0.010	"	0.200		96.0	85-115	0.994	20	
Total Chromium (Cr)	0.1916		0.010	"	0.200		95.8	85-115	1.05	20	
Total Silver (Ag)	0.1971		0.0040	"	0.200		98.6	85-115	0.101	20	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Metals - Quality Control

Soil Control Lab

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch PG80024 - EPA 3050B											
LCS Dup (PG80024-BSD1)					Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Barium (Ba)	0.1912		0.010	mg/kg wet	0.200		95.6	85-115	0.630	20	
Total Cadmium (Cd)	0.1972		0.010	"	0.200		98.6	85-115	1.02	20	
Total Lead (Pb)	0.1868		0.010	"	0.200		93.4	85-115	1.18	20	
Total Cobalt (Co)	0.1930		0.010	"	0.200		96.5	85-115	0.467	20	
Total Vanadium (V)	0.1867		0.010	"	0.200		93.4	85-115	3.73	20	
Total Molydenum (Mo)	0.1916		0.010	"	0.200		95.8	85-115	0.944	20	
Total Copper (Cu)	0.1917		0.010	"	0.200		95.8	85-115	0.575	20	
Total Nickel (Ni)	0.1937		0.010	"	0.200		96.8	85-115	1.46	20	
Total Zinc (Zn)	0.9974		0.050	"	1.00		99.7	85-115	1.04	20	
Total Thallium (Tl)	0.1782		0.010	"	0.200		89.1	85-115	0.902	20	
Total Antimony (Sb)	0.1911		0.010	"	0.200		95.6	85-115	3.79	20	
Total Selenium (Se)	0.3896		0.025	"	0.400		97.4	85-115	1.63	20	
Duplicate (PG80024-DUP1)		**Source: 8060511-08**			Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Cadmium (Cd)	0.1340		0.22	mg/kg dry		0.1626			19.3	30	
Total Molydenum (Mo)	0.7829		0.22	"		0.3552			75.2	30	QR-01b
Total Vanadium (V)	21.73		0.22	"		18.40			16.6	30	
Total Cobalt (Co)	4.093		0.22	"		3.149			26.1	30	
Total Chromium (Cr)	8.690		0.22	"		6.296			31.9	30	QR-01b
Total Copper (Cu)	35.39		0.22	"		30.03			16.4	30	
Total Selenium (Se)	0.2018		0.55	"		0.1579			24.4	30	
Total Lead (Pb)	19.16		0.22	"		22.92			17.9	30	
Total Nickel (Ni)	8.620		0.22	"		6.135			33.7	30	QR-01b
Total Thallium (Tl)	0.04097		0.22	"		0.02946			32.7	30	QR-01b
Total Antimony (Sb)	0.1214		0.22	"		0.09767			21.6	30	
Total Zinc (Zn)	65.40		1.1	"		76.07			15.1	30	
Total Silver (Ag)	0.02680		0.089	"		0.01882			35.0	20	QR-04
Total Barium (Ba)	29.99		0.22	"		30.27			0.956	30	
Total Arsenic (As)	1.151		0.22	"		0.8910			25.5	30	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Metals - Quality Control

Soil Control Lab

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch PG80024 - EPA 3050B											
Duplicate (PG80024-DUP1)		**Source: 8060511-08**		Prepared: 30-Jun-08 Analyzed: 01-Jul-08							
Total Beryllium (Be)	0.05736		0.22	mg/kg dry		0.04983			14.0	30	
Matrix Spike (PG80024-MS1)		**Source: 8060511-08**		Prepared: 30-Jun-08 Analyzed: 01-Jul-08							
Total Nickel (Ni)	225.0		11	mg/kg dry	221	6.135	98.8	70-130			
Total Silver (Ag)	217.6		4.4	"	221	0.01882	98.2	70-130			
Total Molydenum (Mo)	208.8		11	"	221	0.3552	94.1	70-130			
Total Lead (Pb)	223.6		11	"	221	22.92	90.6	70-130			
Total Selenium (Se)	451.5		28	"	443	0.1579	102	70-130			
Total Arsenic (As)	215.7		11	"	221	0.8910	97.0	70-130			
Total Copper (Cu)	248.6		11	"	221	30.03	98.7	70-130			
Total Chromium (Cr)	220.7		11	"	221	6.296	96.8	70-130			
Total Cobalt (Co)	227.7		11	"	221	3.149	101	70-130			
Total Antimony (Sb)	209.4		11	"	221	0.09767	94.5	70-130			
Total Barium (Ba)	261.3		11	"	221	30.27	104	70-130			
Total Zinc (Zn)	1205		55	"	1110	76.07	102	70-130			
Total Vanadium (V)	243.0		11	"	221	18.40	101	70-130			
Total Cadmium (Cd)	213.4		11	"	221	0.1626	96.3	70-130			
Total Thallium (Tl)	192.5		11	"	221	0.02946	86.9	70-130			
Total Beryllium (Be)	217.6		11	"	221	0.04983	98.2	70-130			
Matrix Spike Dup (PG80024-MSD1)		**Source: 8060511-08**		Prepared: 30-Jun-08 Analyzed: 01-Jul-08							
Total Cadmium (Cd)	208.6		11	mg/kg dry	221	0.1626	94.1	70-130	2.26	20	
Total Barium (Ba)	246.4		11	"	221	30.27	97.6	70-130	5.89	20	
Total Molydenum (Mo)	205.2		11	"	221	0.3552	92.5	70-130	1.77	20	
Total Chromium (Cr)	217.5		11	"	221	6.296	95.4	70-130	1.47	20	
Total Beryllium (Be)	215.4		11	"	221	0.04983	97.2	70-130	1.02	20	
Total Copper (Cu)	246.7		11	"	221	30.03	97.8	70-130	0.760	20	
Total Cobalt (Co)	225.3		11	"	221	3.149	100	70-130	1.03	20	
Total Arsenic (As)	212.9		11	"	221	0.8910	95.7	70-130	1.29	20	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Metals - Quality Control

Soil Control Lab

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch PG80024 - EPA 3050B											
Matrix Spike Dup (PG80024-MSD1)		**Source: 8060511-08**			Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Selenium (Se)	439.3		28	mg/kg dry	443	0.1579	99.1	70-130	2.73	20	
Total Lead (Pb)	219.3		11	"	221	22.92	88.6	70-130	1.95	20	
Total Antimony (Sb)	207.3		11	"	221	0.09767	93.6	70-130	1.01	20	
Total Zinc (Zn)	1158		55	"	1110	76.07	97.7	70-130	3.94	20	
Total Nickel (Ni)	219.9		11	"	221	6.135	96.5	70-130	2.29	20	
Total Thallium (Tl)	190.6		11	"	221	0.02946	86.0	70-130	0.983	20	
Total Vanadium (V)	234.2		11	"	221	18.40	97.4	70-130	3.67	20	
Total Silver (Ag)	215.4		4.4	"	221	0.01882	97.2	70-130	1.02	20	
Reference (PG80024-SRM1)					Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Silver (Ag)	150.8		0.40	mg/kg wet	153		98.3	55-145			
Reference (PG80024-SRM2)					Prepared: 30-Jun-08 Analyzed: 01-Jul-08						
Total Molydenum (Mo)	19.21		1.0	mg/kg wet	22.9		83.9	70-130			
Total Vanadium (V)	86.30		1.0	"	114		75.7	70-130			
Total Antimony (Sb)	52.13		1.0	"	54.7		95.3	70-130			
Total Chromium (Cr)	56.11		1.0	"	66.1		84.9	70-130			
Total Thallium (Tl)	147.3		1.0	"	182		80.9	70-130			
Total Barium (Ba)	123.2		1.0	"	158		78.0	70-130			
Total Cobalt (Co)	62.27		1.0	"	77.6		80.2	70-130			
Total Nickel (Ni)	44.29		1.0	"	54.1		81.9	70-130			
Total Silver (Ag)	91.82		0.40	"	102		90.0	70-130			
Total Lead (Pb)	88.85		1.0	"	127		70.0	70-130			
Total Arsenic (As)	72.54		1.0	"	96.7		75.0	70-130			
Total Copper (Cu)	66.12		1.0	"	81.7		80.9	70-130			
Total Beryllium (Be)	37.81		1.0	"	51.8		73.0	70-130			
Total Selenium (Se)	80.67		2.5	"	104		77.6	70-130			
Total Zinc (Zn)	194.2		5.0	"	240		80.9	70-130			
Total Cadmium (Cd)	41.62		1.0	"	54.7		76.1	70-130			

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Metals - Quality Control

Soil Control Lab

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch PH80111 - EPA 7471A Prep											
Blank (PH80111-BLK1)					Prepared & Analyzed: 26-Jun-08						
Total Mercury (Hg)	ND		0.010	mg/kg wet							
Duplicate (PH80111-Dup1)		**Source: 8060511-08**			Prepared & Analyzed: 26-Jun-08						
Total Mercury (Hg)	0.03986		0.055	mg/kg dry		0.03654			8.70	25	
Matrix Spike (PH80111-MS1)		**Source: 8060511-08**			Prepared & Analyzed: 26-Jun-08						
Total Mercury (Hg)	0.1340		0.055	mg/kg dry	0.111	0.03654	88.0	75-125			
Matrix Spike Dup (PH80111-MSD1)		**Source: 8060511-08**			Prepared & Analyzed: 26-Jun-08						
Total Mercury (Hg)	0.1385		0.055	mg/kg dry	0.111	0.03654	92.1	75-125	3.33	25	
Reference (PH80111-SRM1)					Prepared & Analyzed: 26-Jun-08						
Total Mercury (Hg)	4.075		1.2	mg/kg wet	4.43		92.0	75-125			

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 11, 2008

Notes and Definitions

QR-04	The RPD of the sample duplicates was outside the normal acceptance range, but this is because the analyte concentration was below or near the reporting limit. This leads to high RPDs.
QR-01b	The high RPD of the duplicates exceeded the QC control limits which indicates the lack of homogenity in the sample chosen; however, the recovery of the SRM demonstrates the quality of the analytical run.

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 18, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 13 - Monterey Catch Basin Franklin @ Watson, sampled 6/13/2008 12:00:0
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-13

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
E. Coli	ND	MPN/g dry	0.50	SM 9223 B	06/16/08 12:00	
Enterococcus	810	MPN/g dry	50	Enterolert	06/16/08 12:00	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 18, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 14 - Monterey Catch Basin Franklin @ Pacific, sampled 6/13/2008 12:00:0(
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-14

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
E. Coli	84	MPN/g dry	0.90	SM 9223 B	06/16/08 12:00	
Enterococcus	15000	MPN/g dry	90	Enterolert	06/16/08 12:00	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 18, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 15 - Monterey Catch Basin Pacific @ Artillery, sampled 6/13/2008 12:00:00
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-15

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
E. Coli	48	MPN/g dry	0.56	SM 9223 B	06/16/08 12:00	
Enterococcus	190	MPN/g dry	0.6	Enterolert	06/16/08 12:00	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 18, 2008

Date Received:	June 16, 2008
Project # / Name:	None / Storm Water Program
Sample Identification:	Sample No. 16 - Monterey Catch Basin Alvarado @ Del Monte, sampled 6/13/2008 12:(
Sampler Name / Co.:	B. Johnson / MRWPCA
Matrix:	Soil
Laboratory #:	8060511-16

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
E. Coli	> 120000	MPN/g dry	51	SM 9223 B	06/16/08 12:00	
Enterococcus	> 120000	MPN/g dry	51	Enterolert	06/16/08 12:00	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 18, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 17 - Monterey Catch Basin Prescott @ Lighthouse, sampled 6/13/2008 12:(
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-17

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
E. Coli	29000	MPN/g dry	110	SM 9223 B	06/16/08 12:00	
Enterococcus	82000	MPN/g dry	110	Enterolert	06/16/08 12:00	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 18, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 18 - Monterey Catch Basin Prescott @ Cannery Row, sampled 6/13/2008 1
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-18

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
E. Coli	110000	MPN/g dry	110	SM 9223 B	06/16/08 12:00	
Enterococcus	> 120000	MPN/g dry	110	Enterolert	06/16/08 12:00	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 18, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 19 - Monterey Catch Basin Prescott @ Wave, sampled 6/13/2008 12:00:00
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-19

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
E. Coli	93	MPN/g dry	0.63	SM 9223 B	06/16/08 12:00	
Enterococcus	22000	MPN/g dry	63	Enterolert	06/16/08 12:00	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

MRWPCA
5 Harris Court Building D
Monterey, CA 93940
Attn: Robert Jaques

Work Order #: 8060511
Reporting Date: August 18, 2008

Date Received: June 16, 2008
Project # / Name: None / Storm Water Program
Sample Identification: Sample No. 20 - Monterey Catch Basin Prescott @ Foam, sampled 6/13/2008 12:00:00
Sampler Name / Co.: B. Johnson / MRWPCA
Matrix: Soil
Laboratory #: 8060511-20

	Results	Units	RL	Analysis Method	Date Analyzed	Flags
E. Coli	5.5	MPN/g dry	0.56	SM 9223 B	06/16/08 12:00	
Enterococcus	550	MPN/g dry	0.6	Enterolert	06/16/08 12:00	

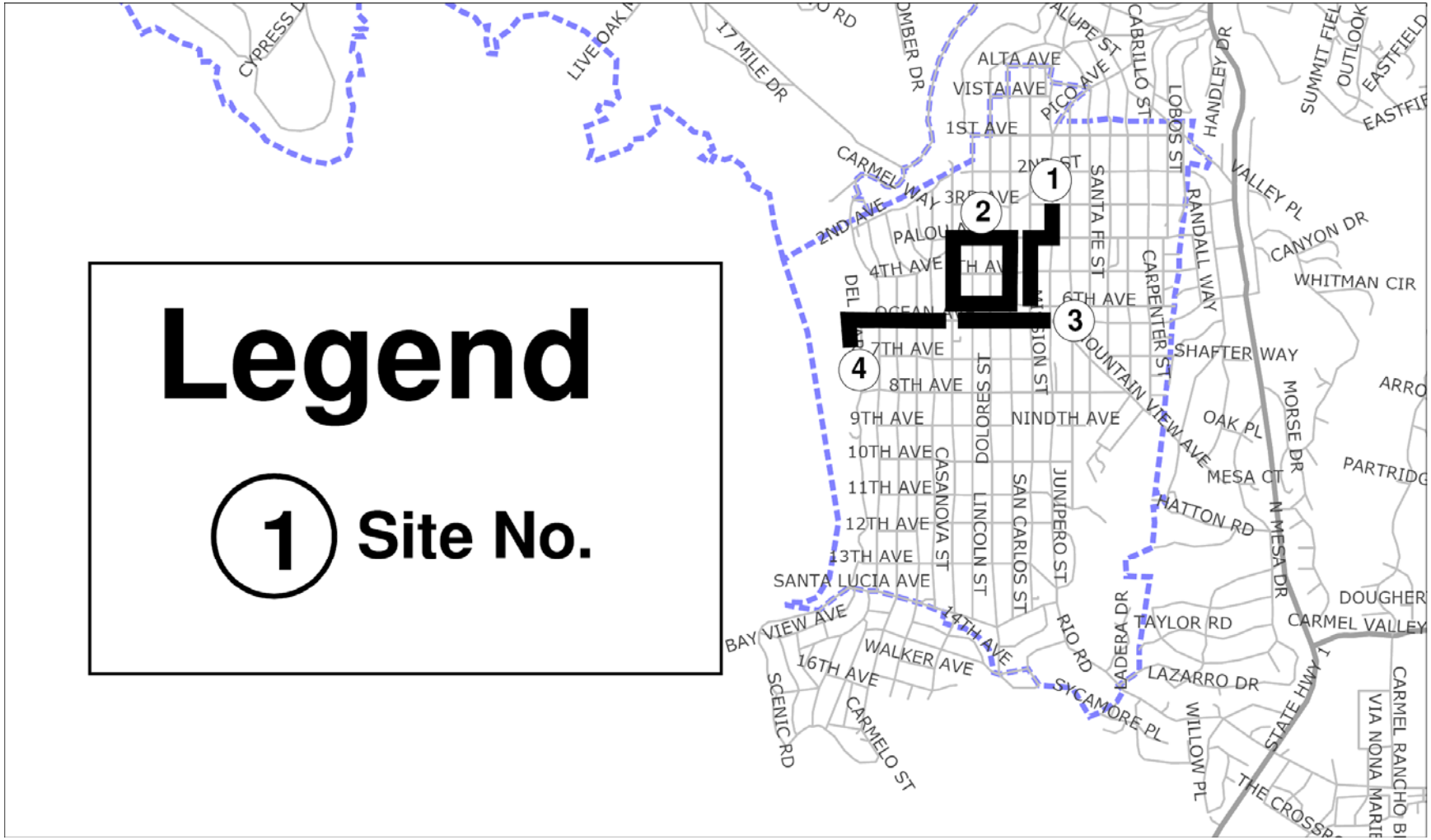
RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Mike Galloway

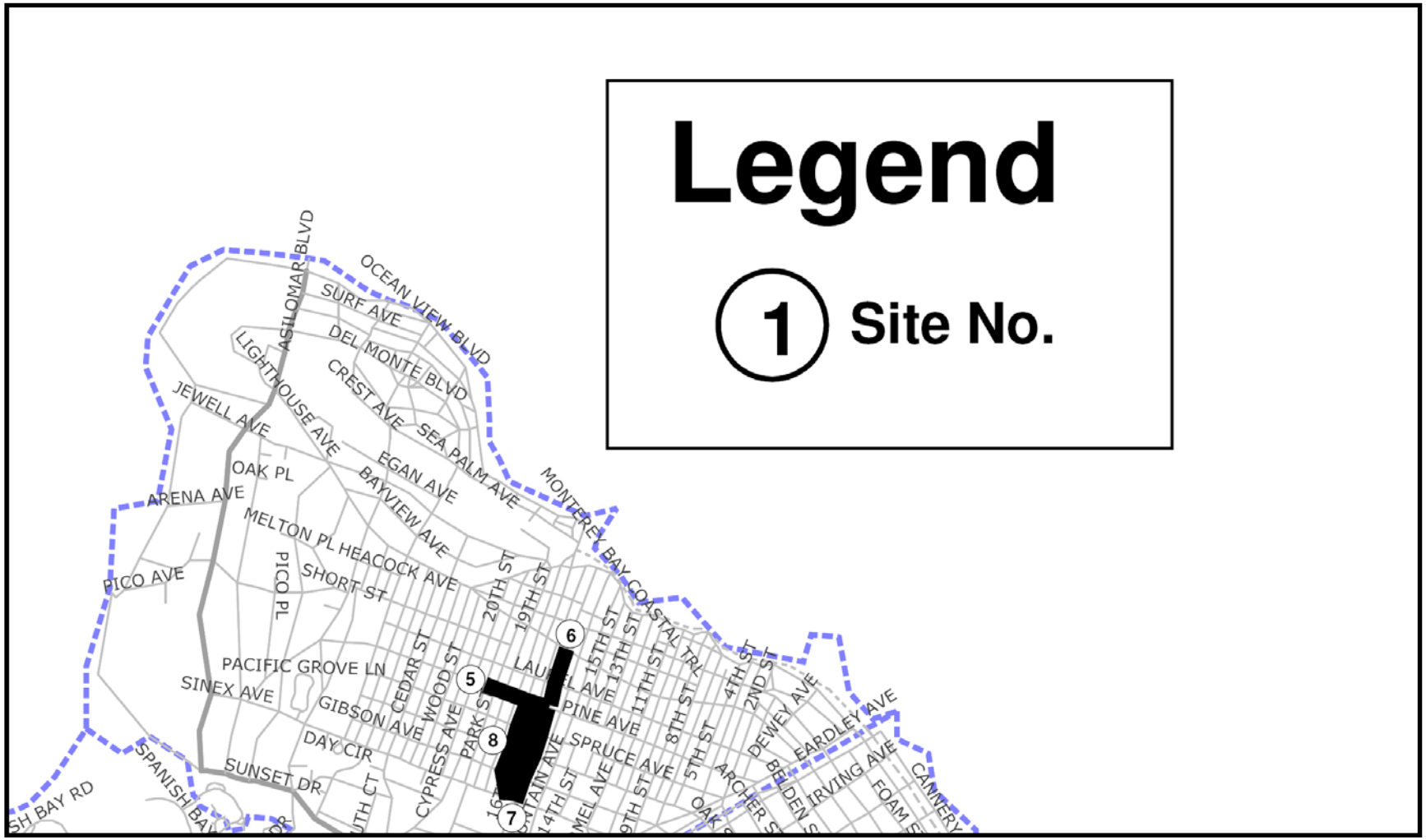
ATTACHMENT 3

SAMPLING SITE MAPS
AND
LOCATION DESCRIPTIONS

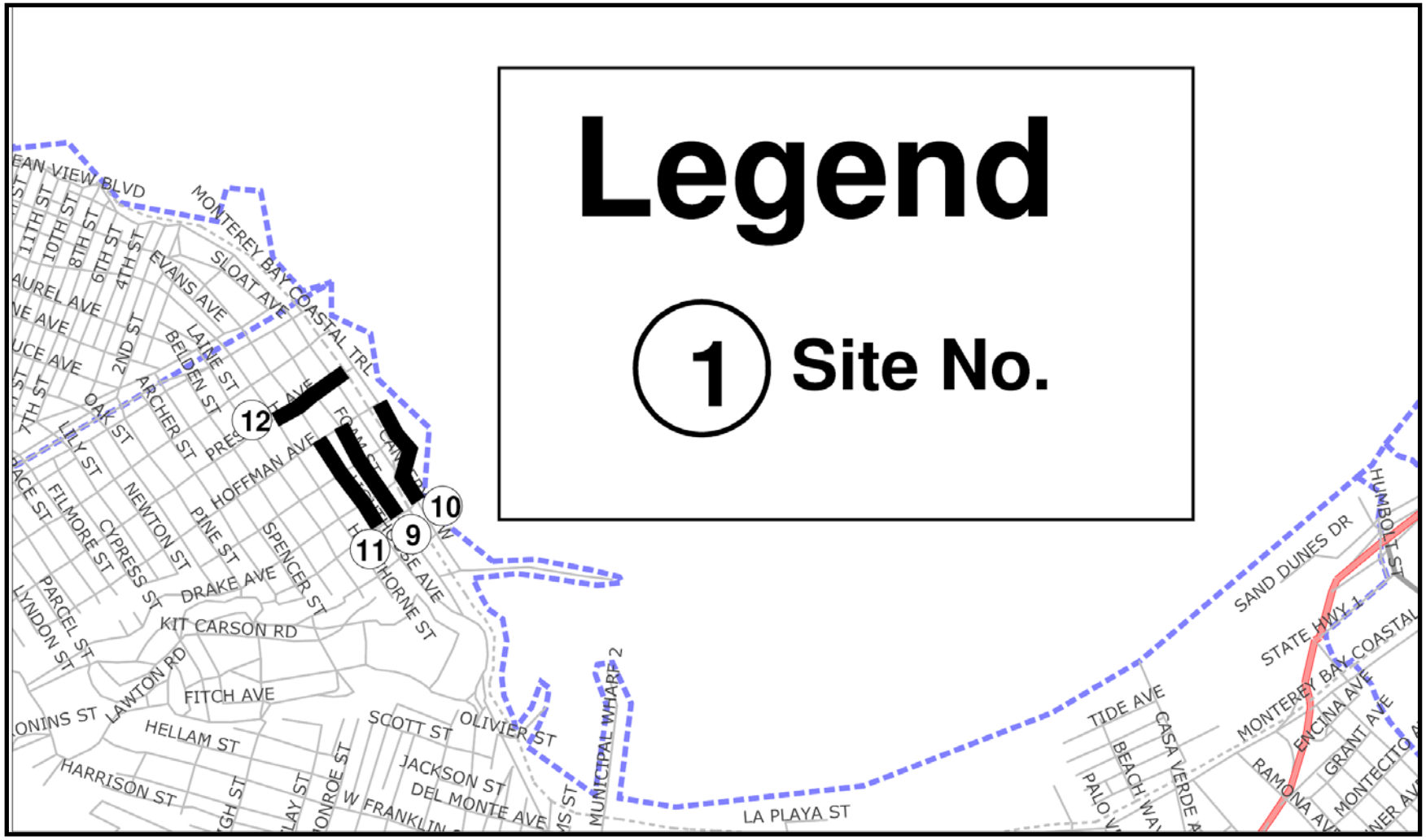
BMP 6-6.B: CARMEL STREET SWEEPING SAMPLING SITES MAP



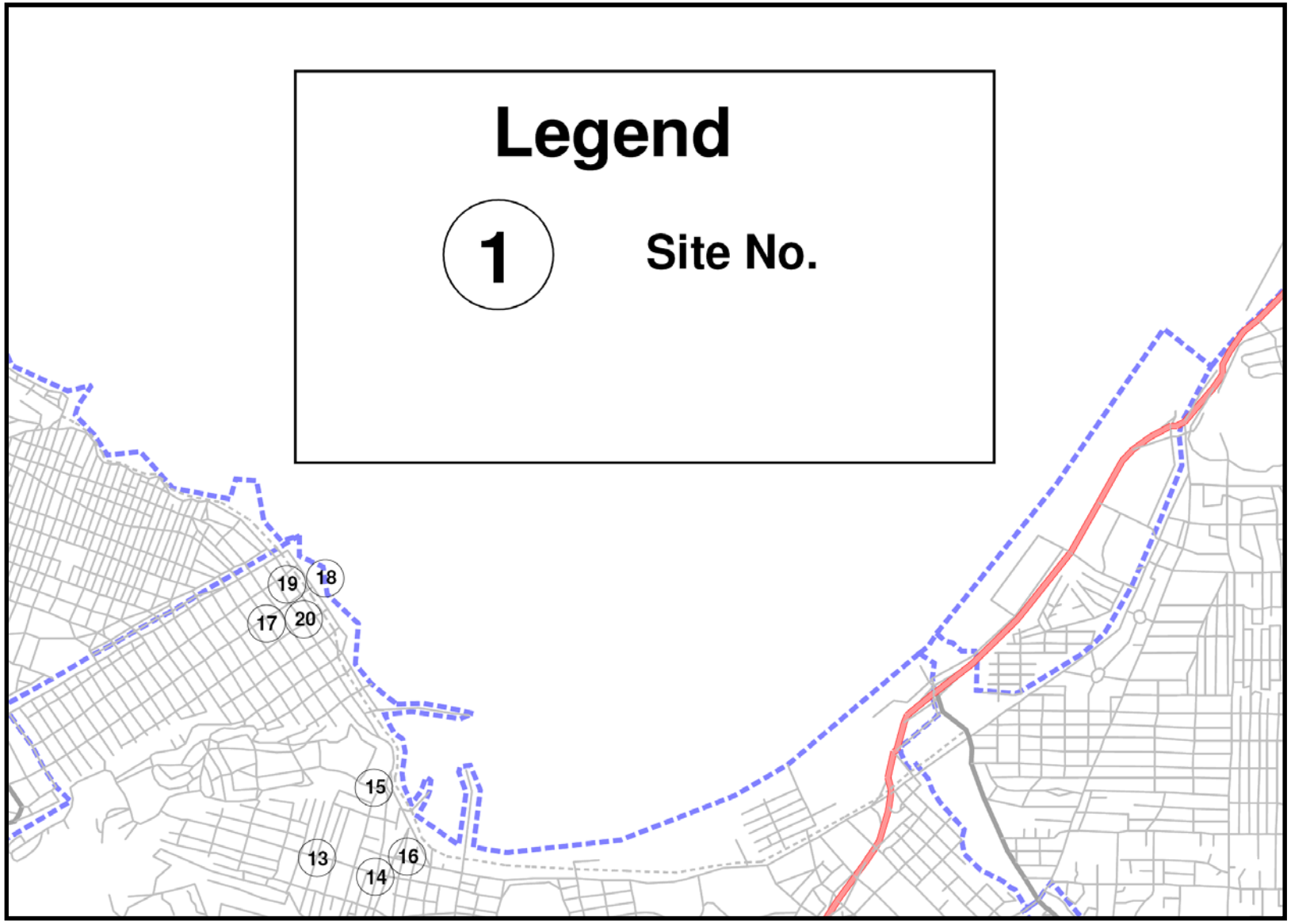
BMP 6-6.B: PACIFIC GROVE STREET SWEEPING SAMPLING SITES MAP



BMP 6-6.B: MONTEREY STREET SWEEPING SAMPLING SITES MAP



BMP 6-10.F: CATCH BASIN SAMPLING SITES MAP



SAMPLE COLLECTION AND ANALYSIS TABLE WITH SAMPLING LOCATION DESCRIPTIONS

SAMPLE NO.	ENTITY	SAMPLE TYPE	DATE OF SAMPLING	SAMPLER	SAMPLING LOCATION	COMMENTS
1	Carmel	Street Sweeping	June 12, 2008	S. Ross, with Jim Pinagree operating the sweeper	Junipero & 3rd to 4th, turn right down to Mission to 6th	Samples collected between 7 and 10 a.m.
2	Carmel	Street Sweeping	June 12, 2008	S. Ross, with Jim Pinagree operating the sweeper	San Carlos – Dolores –Lincoln and Monte Verde, 4th to 6th	Samples collected between 7 and 10 a.m.
3	Carmel	Street Sweeping	June 12, 2008	S. Ross, with Jim Pinagree operating the sweeper	Ocean Avenue from Junipero to Monte Verde; both sides including center isles	Samples collected between 7 and 10 a.m.
4	Carmel	Street Sweeping	June 12, 2008	S. Ross, with Jim Pinagree operating the sweeper	Ocean Avenue from Monte Verde to Del Mar, including parking lot	Samples collected between 7 and 10 a.m.
5	Pacific Grove	Street Sweeping	June 11, 2008	Emilio	Pine between Forest & Congress	
6	Pacific Grove	Street Sweeping	June 11, 2008	Emilio	Forest between Pine & Lighthouse	
7	Pacific Grove	Street Sweeping	June 11, 2008	Emilio	Forest between Pine & Sinex	
8	Pacific Grove	Street Sweeping	June 11, 2008	Emilio	16th and 17th between Pine and Sinex	
9	Monterey	Street Sweeping	June 13, 2008	B. Johnson	Foam between Irving & Hoffman	
10	Monterey	Street Sweeping	June 13, 2008	B. Johnson	Cannery Row between Hoffman & Irving	

SAMPLE NO.	ENTITY	SAMPLE TYPE	DATE OF SAMPLING	SAMPLER	SAMPLING LOCATION	COMMENTS
11	Monterey	Street Sweeping	June 13, 2008	B. Johnson	Lighthouse between Irving & Hoffman	
12	Monterey	Street Sweeping	June 13, 2008	B. Johnson	Prescott between Hawthorne & Cannery Row	
13	Monterey	Catch Basins	June 13, 2008	B. Johnson	Franklin @ Watson	
14	Monterey	Catch Basins	June 13, 2008	B. Johnson	Franklin @ Pacific	
15	Monterey	Catch Basins	June 13, 2008	B. Johnson	Pacific @ Artillery	
16	Monterey	Catch Basins	June 13, 2008	B. Johnson	Alvarado @ Del Monte	
17	Monterey	Catch Basins	June 13, 2008	B. Johnson	Prescott @ Lighthouse	
18	Monterey	Catch Basins	June 13, 2008	B. Johnson	Prescott @ Cannery Row	
19	Monterey	Catch Basins	June 13, 2008	B. Johnson	Prescott @ Wave	
20	Monterey	Catch Basins	June 13, 2008	B. Johnson	Prescott @ Foam	