



Santa Clara Valley

Urban Runoff

Pollution Prevention Program

MEMORANDUM

Campbell • Cupertino • Los Altos • Los Altos Hills • Los Gatos • Milpitas • Monte Sereno • Mountain View • Palo Alto
San Jose • Santa Clara • Saratoga • Sunnyvale • Santa Clara County • Santa Clara Valley Water District

TO: Trash Ad Hoc Task Group (TAHG)

FROM: Paul Randall and John Fusco, Program Staff

DATE: April 21, 2004 [Approved by TAHG with edits]
May 10, 2004 [Revised Final]

SUBJECT: Trash Problem Area Survey Results

The purpose of this memorandum is to provide summary results of the Co-permittee responses to the *Identification and Documentation of Known Trash Problem Area Survey*. The survey was completed to fulfill Task #2 of the Program's Trash Work Plan. In addition, Co-permittees have demonstrated that they have existing trash management practices in place to address trash problem areas within their individual jurisdictions. Information regarding existing trash management practices is provided in the Trash Work Plan. The identification of trash problem areas is a starting point for conducting trash evaluations in a limited subset of these identified problem areas. The trash problem areas identified in this memorandum are expected to change over time as additional information becomes available through future implementation of trash evaluations and management practices. The list of trash problem areas will be updated as appropriate.

Background

In accordance with the Trash Work Plan submitted to the Regional Board on February 28, 2003, five tasks are scheduled for FY 03-04. Task #2 involves the identification and documentation of known trash problem areas. This information is intended to supplement information gathered for the Program's technical memorandum entitled *Pilot Investigation of Trash Hot Spots* (June 24, 2002).

During the October 23, 2003 Trash AHTG meeting, Program staff was requested to develop a memorandum (for distribution to the Management Committee) requesting that individual Co-permittees provide contact information which identifies appropriate staff knowledgeable about trash problem areas within their jurisdictions. In addition, the Trash AHTG also requested that a list of relevant fields be provided to assist Co-permittee staff in compiling information required to complete Task #2. On November 4, 2003, Program staff distributed the memorandum entitled *Identification and Documentation of Known Trash Problem Areas*. The memorandum requests that Co-permittees use the attached table (*Identification and Documentation of Known Trash Problem Areas Survey*) to fill out relevant information regarding known trash problem areas within their jurisdictions. A revised version of the Trash Problem Areas Survey was redistributed to the Trash AHTG on November 21, 2003. The revised survey is provided as Attachment 1 to this memorandum.

Co-permittee survey responses were submitted to Program staff by late December 2003. Program staff compiled the trash survey information and converted the location descriptions into spatial coordinates using a Geographic Information System (GIS). During the January 22, 2004 Trash AHTG meeting, Program staff presented a draft comprehensive table showing the survey results and maps of the trash

problem areas. During this meeting, the Trash AHTG addressed several questions/issues relevant to the survey results. In addition, Program staff was requested to revise the table and maps to show trash problem areas by watershed rather than jurisdictional boundary. The meeting summary for the January 22, 2004 Trash AHTG Meeting is provided as Attachment 2. Program staff presented the revised table and maps were presented at the March 17, 2004 Trash AHTG Meeting. The AHTG agreed to give the Co-permittees until March 31, 2004 to include additional sites to address trash problem areas that were identified by citizen groups. Program staff compiled the new information and updated the table and maps to include the trash problem areas. This memorandum provides the final results of the trash survey.

Results

Co-permittee survey responses are provided as Attachment 3. The approximate physical location of the trash problem areas are shown in Figures 1 through 4.

The Co-permittees reported a total of 195 trash problem areas within the Program's jurisdiction. The SCVWD reported 34 trash problem areas within their jurisdiction. The City of San Jose and Santa Clara County, Co-permittees with the largest jurisdictional areas, reported 30 and 24 trash problem areas, respectively. The Cities of Monte Sereno and Saratoga reported the lowest number of trash problem areas with one and three, respectively. It is important to note that the reported trash problem areas are not comparable among the Co-permittees (i.e., the numbers reported does not necessarily correspond to the degree that trash is a problem within each jurisdiction). In addition, the severity of each trash problem area may be highly variable by site.

The highest number of trash problem areas was reported for the Guadalupe River and Coyote Creek watersheds with 41 and 35 sites, respectively. These watersheds also represent the largest watersheds in the Santa Clara Basin. Sunnyvale West, Baylands and San Francisquito Creek (within Santa Clara County) had the fewest number of sites with one, six and six, respectively.

The primary information sources for the reported trash problem areas were municipal employees and citizen knowledge (71 percent). However, the remaining 29 percent consisted of the following: service requests or complaints (12 percent), operation and maintenance activities (8 percent), multiple sources (6 percent) and creek cleanups activities (3 percent).

The major source of trash for the reported sites (67 percent) was categorized as "trash source not in creek, but may contribute to creek". Trash in creek from accumulation, either from water or wind, accounted for 31 percent of the sites. The remaining 2 percent was reported as trash in creek from illegal dumping. The distribution for these categories within each major watershed is provided in Figures 1 through 4.

The sources of trash and litter reported by the Co-permittees included: motorists and expressway traffic (33 percent); homeless encampments (14 percent); overflowing dumpsters and garbage bins (11 percent); litter associated with schools (7 percent); and park users (7 percent). The trash sources for the remaining sites were described in more general terms (e.g., litter from pedestrians and illegal dumping).

Trash sources reported for those areas associated with creeks included homelessness (28 percent) and litter associated with schools (13 percent). The remaining sites had more general descriptions (e.g., trash accumulation – waterborne and/or windborne).

Responses provided in the comment field provided information describing existing litter abatement programs or trash management activities currently implemented at the site. Some areas were noted as persistent problems that required frequent maintenance. Information on interagency coordination was also indicated for several of the trash areas.



Identification and Documentation of Known Trash Problem Areas Survey

Co-Permittee: [enter municipality]

Contact Person: [enter name]

Position: [enter position in municipality]

Phone: (###) ###-####

E-mail: [enter e-mail address]

Date: MM/DD/YYYY

For your jurisdiction, please provide a minimum of ten trash problem areas with the following information: location, trash sources and source of information.

Location of Trash Problem Areas:	Trash Sources:	Source of Information:	Comments:
<p>[Street address or detailed description on the location of the trash problem area. When possible, include information on land ownership. Organize trash problem areas by department/unit providing the information (see examples below)]</p> <p>Parks and Recreation</p> <ol style="list-style-type: none"> 1. El Monte City Park owned and maintained by City. <p>Public Works</p> <ol style="list-style-type: none"> 2. Interstate 237 offramp at Mathilda Ave; owned and maintained by Cal Trans 3. Shoulder of road/along streambank adjacent to Flea market on Grande Ave.; private property 4. Coyote Creek at Green Park; area owned and maintained by Water District <p>Code Enforcement</p> <ol style="list-style-type: none"> 5. Dumpster northeast corner behind Sunnyvale Plaza; private property <p>Police Department</p> <ol style="list-style-type: none"> 6. Interstate 280 Bridge overpass on Guadalupe River; homeless encampment; area owned and maintained by Water District 	<p>[Categories include: 1) litter (e.g., pedestrians, motorists); 2) illegal dumping - waterway; 3) illegal dumping - not in waterway (e.g., trash dumpsters); 4) trash accumulation (windborne); 5) trash accumulation (waterborne); and other]</p> <ol style="list-style-type: none"> 1. Litter from pedestrians 2. Litter from motorists 3. Trash accumulation (windborne) 4. Trash accumulation (waterborne) and illegal dumping 5. Illegal dumping – not in waterway 6. Litter from homeless 	<p>[Source of information which identify trash problem area, e.g., complaint database or other tracking systems, operation and maintenance records, employee knowledge, creek clean-up locations, etc.]</p> <ol style="list-style-type: none"> 1. Employee knowledge 2. Employee knowledge 3. Service request/ complaint database 4. Service request/ complaint database 5. Service request/ complaint database 6. Service request/ complaint database 	<p>[Include additional information on site (e.g., persistence of litter/trashproblem and/or existing management actions being implemented.)]</p>

**Santa Clara
Valley Urban
Runoff Pollution
Prevention Program**

Date/Time: January 22, 2004, 10:00 – 12:00

Place: San Jose Water Treatment Plant

Who Attended: See attached sheet

**Trash Ad Hoc Task Group
Meeting Summary Report**

Key Issues Discussed:

- Program staff presented a draft summary table showing Co-permittee responses to the document entitled *Identification and Documentation of Known Trash Problem Areas Survey* and a series of maps showing the approximate locations of each trash problem area. The Trash AHTG raised the following questions/issues relevant to the survey results:
 - How to document locations that were identified by more than one agency?
 - How to represent locations that were described as a long section of highway/roadway?
 - What categories could be used to distinguish major types of trash problem areas?
 - What are some potential criteria to prioritize trash problem areas?
 - Are there additional known problem areas that should be included on the list?
 - Should the locations of trash problem areas be presented by jurisdictional boundaries (as presented) or by watershed?
- Three locations were identified by more than one agency. Rather than assign duplicate sites to one agency, the AHTG agreed that both agencies should be listed (in the table and maps) to demonstrate coordination of management actions among Co-permittees.
- Several trash problem areas were reported as entire road lengths (e.g., Santa Clara County roads). The AHTG decided that reporting entire roadways as trash problem areas is not useful for relating impacts to streams, especially since most of these roads are regularly managed for trash (e.g., trash pick-up or sweeping). The AHTG agreed that the location of trash problem areas reported as roads should be represented at the intersections of creeks, where litter is likely to have the greatest impact to streams.
- The AHTG discussed ways to categorize the trash problem areas to better understand the mechanism for trash accumulation (e.g., litter vs. dumping) and the relative impact of trash source to waterway (i.e., direct vs. indirect connection). The AHTG decided that it was important to focus on those problem areas where sources of trash in creeks could most easily be identified (i.e., “low hanging fruit”). A direct connection may include parks or schools that are adjacent to a creek where litter can be deposited or easily blown into the creek. Indirect connections may include storm drain systems or roadways that contribute litter to creeks (after runoff events) but do not provide an obvious linkage to the trash source.
- The AHTG decided to use three main categories to characterize the trash problem areas. They include:
 - Trash in creeks caused by accumulation (i.e., waterborne) or litter from adjacent land uses (i.e., parks and trails);
 - Trash in creeks caused by illegal dumping; and

ATTACHMENT 2

- Trash in areas other than creeks that may eventually contribute to creeks.

Program staff decided that the information provided by Co-permittees in the “trash sources” field of the survey could be used to develop these categories.

- The AHTG discussed potential criteria that could be used to prioritize trash problem areas. Distance of schools to creeks and age class of schools was suggested as potential criteria. Large roads and highways and outfall size of storm drain were also suggested as potential criteria to prioritize trash problem areas.
- The AHTG further discussed how storm drains could be used to identify potential sources of trash. Since many storm drain inlets, basins and wet wells are periodically cleaned out by municipal staff; several AHTG members suggested that trash that accumulates in these systems may provide useful information on the trash source. However, the amounts or types of trash are not typically documented by agencies. Some agencies have documented locations of catch basins that require higher maintenance activities which might be useful for further investigation of trash sources. SCVWD staff indicated they would be interested in this information.
- Some AHTG members asked if other known trash problem areas provided by other groups were included in the list. Mondy Lariz indicated that areas in Coyote Creek which have large amounts of trash were not on the list. Program staff indicated that he should discuss these areas with San Jose staff to determine if they should be added to their list.
- The AHTG discussed potential revisions (to the table and maps) that would make the information more useful. The AHTG agreed that trash problem areas should be organized by watershed rather than jurisdiction. In addition, the trash problem areas should be mapped using the three major categories described above.

Next Steps:

- Co-permittee staff will review the table and maps of trash problem areas and submit any changes to Program staff by January 27, 2004.
- Program staff will create a new field that identifies the major type of trash problem area; and use information in the “trash source” field (of the completed surveys) to convert into one of the three categories describe above.
- Program staff will develop new maps showing trash problem areas. The maps will show each trash source category within major Santa Clara Basin watersheds.
- The next Trash meeting will be scheduled in early March 2004 to discuss current and future Trash Work Plan tasks.

ATTACHMENT 2

Location	San Jose Water Treatment Plant
Date	January 22, 10:00 – 12:00
Name	Affiliation
Brett Calhoun	SCVWD
Dave Staub	City of Santa Clara
Javad Ghaffari	City of Palo Alto
John Fusco	Program Staff – SCVURPPP
Josephine Byer	Santa Clara County – Roads and Airports
Kristy McCumby	City of Sunnyvale
Mondy Lariz	SPCWC
Paramjit Uppal	City of Milpitas
Paul Randall	Program Staff – SCVURPPP
Roger Narsim	SCVWD
Skip Lacaze	City of San Jose
Steve Osborn	City of San Jose

Trash Problem Area Survey Results by Watershed

Adobe Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
LA01	Hetch Hetchy pathway from Los Altos Avenue to Adobe Creek	Leased property maintained by City	SR	Litter from pathway users	TNC	
LA02	North Plaza between First Street and Second Street	City of Los Altos	EK	Litter from plaza users	TNC	
LA03	Bus stop on El Camino Real between San Antonio Road and Acacia	County	EK	Trash from transit users	TNC	
LA06	Foothill Expressway shoulder e/b from Lincoln Park to El Monte Avenue	County Expressway; landscape maintained by City of Los Altos	EK	Trash from Expressway traffic	TNC	
LA08	Bus Stop on San Antonio Road just north of Almond Avenue	County	SR	Trash from transit users and high school students	TNC	
LA09	Intersection of Main Street and Second Street	City of Los Altos	EK	Trash from overflowing trash receptacles used by coffee and food service patrons	TNC	
LA10	Bus Stop on San Antonio Road (s/b) between El Camino Real and Loucks	County	EK and SR	Trash from transit users	TNC	
LA12	Central Plaza behind Home Consignment	City of Los Altos	EK	Trash from parking plaza users	TNC	
PA11c	Alma Street at Adobe Creek	City of Palo Alto	EK	Homeless Camps, Litter	TNC	
WD17	Adobe Creek downstream El Camino Real		EK	Road Trash	TCA	

Total locations within watershed = 10

Trash Problem Area Survey Results by Watershed

Baylands						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source¹	Trash Sources	Trash Source Category²	Comments
MV03	Coast-Casey Forebay (retention pond)	City of Mountain View	EK	Trash accumulation (waterborne)	TCA	Difficult access for cleanup
MV04	Charleston Retention Basin	City of Mountain View	EK	Trash accumulation (waterborne)	TCA	Cleanup at pond edge
MV08	Stevens Creek at the end of La Avenida	Owned and maintained by SCVWD	CC	Trash accumulation (waterborne)	TCA	City rangers patrol and clean; and City-sponsored and private volunteer cleanup activities
PA05	Flooding Basin at the end of Embarcadero; Tide Gate Trash Rack	Owned and maintained by SCVWD	EK	Creek Accumulation	TCA	
PA06	Matadero Creek, from East Bayshore Road to 200 Feet Downstream	Owned and maintained by SCVWD	EK	Creek Accumulation	TCA	
PA07	U.S. Route 101/University Avenue Interchange	Owned and maintained by CalTrans	EK	Litter From Vehicles, Wind	TNC	

Total locations within watershed = 6

Trash Problem Area Survey Results by Watershed

Calabazas Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
CO09d	Central Expressway at Calabazas Creek	County	OM	Trash accumulation (windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CO11a	Lawrence Expressway at Calabazas Creek	County	OM	Trash accumulation (windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CU01	Tantau and Finch Avenues, vacant lot	Private	EK	Illegal dumping – not in a waterway	TNC	construction debris, newspapers
CU03	Disney Lane near Miller adjacent to Hyde Jr. High	Private	EK	Litter (pedestrians-school)	TNC	
SA01	Calabazas Creek at intersection of Union Pacific Rail Road and Via Roncole	SCVWD, Pacific RR and PG&E	CC	Litter from pedestrians that blows onto rail road corridor.	TNC	
SC01	French Street at Agate	City of Santa Clara	EK and SR	Illegal dumping – not in waterway (likely from the residents in the adjacent apartments during moveouts)	TNC	City constructed a fence around the property in November 2003, but dumping has not stopped.
SC10	Pomeroy Avenue between Calabazas and Benton Street	City of Santa Clara	EK.	Illegal dumping-not in water way (during the clean-up campaign)	TNC	The amount of debris left on the street triples in size over the weekend and takes one crew almost an entire day to clean up.
SU02	Helen Avenue, Alley off of El Camino		EK	Illegal dumping- not in a waterway (Occasional overflowing dumpsters and accumulation of trash from apartments)	TNC	No current problems noted when viewed on 11/25/03.

Trash Problem Area Survey Results by Watershed

Calabazas Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
SU03	Tamarack Lane, Various apartments (Between Helen Ave. and Miramar Way)		EK	Illegal dumping- not in a waterway (Overflowing dumpsters, accumulation of trash)	TNC	No current problems noted when viewed on 11/25/03.
SU04	1034 E. El Camino Real - Alleyway behind business.		SR	Trash accumulation due to overflowing dumpster.	TNC	Coordinated outreach with Solid Waste program anticipated.
SU06	1053 E. El Camino Real - Alleyway behind business.		SR	Trash accumulation due to overflowing dumpster.	TNC	Coordinated outreach with Solid Waste program anticipated.
SU09	1131 Lawrence Expressway		SR	Trash accumulation due to overflowing dumpster.	TNC	Coordinated outreach with Solid Waste program anticipated.
SU10	911 Duane Ave. - Alleyway behind business.		SR	Trash accumulation due to overflowing dumpster.	TNC	Coordinated outreach with Solid Waste program anticipated. Gated alley with no illegal dumping access. Litter from poor "housekeeping" practices. 11/25/03 visit.
SU12	Lawrence Expressway and Highway 237 intersection - on ramps and exits		EK	Litter from motorists and windborne accumulations of trash against fences. Occasional illegal dumping - not in a waterway.	TNC	Areas of litter accumulation not within City of Sunnyvale jurisdiction - Handled by Cal Trans.
SU13	Willow Ave. and Aster Ave. intersection to Agate Dr. (in Santa Clara) - Area under Lawrence Expressway Overpass and CalTrain Station.		EK	Litter (pedestrians, roadway above, and periodic homeless encampment)	TNC	Periodic removals of homeless encampment. When visited 11/25/03, none present due to CalTrain construction activities. Some litter from roadway on overpass embankments.
WD05	El Camino Storm Drain d/s Miramar Way		EK	Illegal Dumping- waterway	TCID	

Trash Problem Area Survey Results by Watershed

Calabazas Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source¹	Trash Sources	Trash Source Category²	Comments
WD07	Calabazas Creek above and below El Camino Real		EK	Trash accumulation (waterborne); typically after significant rain events	TCA	
WD08	Calabazas Creek between Arques Ave and Hwy 237		EK	Trash accumulation (waterborne); typically after significant rain events	TCA	
WD09	Rodeo Creek upstream Cox Ave.		EK	Litter (behind office buildings)	TCA	
WD10	El Camino Storm Drain downstream French Street		EK	Litter (windborne) from apartments above confl. of Calabazas Cr	TCA	

Total locations within watershed = 20

Trash Problem Area Survey Results by Watershed

Coyote Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
CO01	Mt. Hamilton Road		SR	Illegal dumping-not in waterway	TNC	The DA's Office, CalTrans and the City of San Jose joined forces to clean up the area, however it continues to be a problem.
CO04	White Road from McKee to East Hills		EK	Litter (pedestrians and motorists)	TNC	(see footnote 3)
CO05	Easthills Road from White to Fleming		EK	Litter (pedestrians and motorists)	TNC	(see footnote 3)
CO07	Southside Drive and surrounding unincorporated streets		EK	Litter (pedestrians and motorists)	TNC	(see footnote 3)
CO08b	Capital Expressway at Coyote Creek		OM	Trash accumulation(windborne) and litter from pedestrians and motorists	TNC	
CO12b	Santa Teresa Blvd at Fischer Creek		OM	Trash accumulation(windborne) and litter from pedestrians and motorists	TNC	
CO14b	Montague Expressway at Coyote Creek		OM	Trash accumulation(windborne) and litter from pedestrians and motorists	TNC	
MI06	Near Main Lift station (sewage PS) on McCarthy Blvd., between Ranch Dr. and Dixon Landing Rd., closer to Ranch Dr.		EK	Illegal dumping of household garbage at South Gate of the Pump station; there is a Dumpster located nearby; illegal dumping of construction materials on the north gate of the Pump Station	TNC	This is a persistent problem. The trash is removed when noticed.

Trash Problem Area Survey Results by Watershed

Coyote Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
MI08	Coyote Creek – from Dixon Landing Road to North of 237		EK	Litter in the waterway, tires, pallets	TCID	The litter is cleaned up during annual creek clean-up programs. The last creek clean up was on September 20, 2003. 2700 lbs of garbage was removed in all from the 2 creeks.
SJ03	Santa Clara St. between 17th St. and 20th St.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians and motorists. (Near fast-food restaurant)	TNC	(see footnote 4)
SJ04	North side of Suncrest Dr. from Perie Ln. to Colonial Av.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians.	TNC	(see footnote 4)
SJ05	Dobern Area/ 680 entrance behind Summer.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians.	TNC	(see footnote 4)
SJ07	Penitencia Creek from Creekland Cir. to Mabury Rd.	Owned and maintained by SCVWD.	EK	Litter from pedestrians.	TCA	(see footnote 4)
SJ08	Penitencia Creek (walkway) from between Gateview Dr. and Jackson Av. on the north side of Mossdale Av.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians.	TCA	(see footnote 4)
SJ09	East side of King Rd. between Chopin Av. and Enesco Av.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians and motorists.	TNC	(see footnote 4)
SJ10	680 Pedestrian overpass at Mayfair and Sunset.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians.	TNC	(see footnote 4)
SJ11	East end of Evergreen Park along Yerba Buena Creek to Villa Vista Rd.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians and park users.	TCA	(see footnote 4)
SJ12	Thompson Creek area from Aborn Rd. to Quimby Rd.	Owned and maintained by SCVWD.	EK	Litter from pedestrians.	TCA	(see footnote 4)
SJ13	Southside of Aborn Rd. from Kettman Rd. to White Rd.	Owned and maintained by City of San Jose.	EK	Litter from motorists.	TNC	(see footnote 4)
SJ22	Capitol Park located at Boynton Av. and Williams Rd.	Owned and maintained by City of San Jose.	EK	Litter from park users.	TNC	(see footnote 5)

Trash Problem Area Survey Results by Watershed

Coyote Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
SJ23	Evergreen Park located at Yerba Buena Rd. and San Felipe Rd.	Owned and maintained by City of San Jose.	EK	Litter from park users.	TNC	(see footnote 5)
SJ24	Fernish Park located at Fernish Dr. and San Felipe Rd.	Owned and maintained by City of San Jose.	EK	Litter from park users.	TNC	(see footnote 5)
SJ26	Watson Park located at E. Jackson St. and 22nd St.	Owned and maintained by City of San Jose.	EK	Litter from park users.	TNC	(see footnote 5)
SJ27	Coyote Creek between Mabury Rd and Berryessa Rd (south side of Flea Market)	Owned by private entity and SCVWD.	CK	Trash accumulation (waterborne)	TCA	Trash raft (40 yds in length); bottles and rubber balls mixed with trash
SJ28	Coyote Creek at Julian St Bridge near San Jose Academy.	Owned by private entities and School District	CK	Trash accumulation (waterborne)	TCA	Trash raft (100 yards in length); Large amounts of beverage containers. Persistent trash problem area
SJ29	Coyote Creek at Watson park, between Lower Silver confluence and Mabury Rd Bridge	Owned by private entity and City of San Jose.	CK	Litter and trash accumulation (windborne)	TCA	Scattered litter on the bank. Ongoing litter problem area
SJ30	Coyote Creek at Upper Penitencia Creek confluence and areas adjacent to Flea Market	Privately owned	CK	Pedestrian and motorist litter; trash accumulation (windborne)	TCA	Significant amounts of paper, food vendor cups and wrappers; source appears to be Flea Market.
WD20	Thompson Creek d/s Aborn to Quimby		EK	Homeless encampments and school kid activity (shopping carts and hand trash)	TCA	
WD21	Lower Silver Creek d/s Sunset to Alum Rock		EK	Litter-Local Businesses and school kids. (shopping carts and hand trash)	TCA	
WD22	Lower Silver Creek d/s San Antonio to Hwy 680		EK	Litter-Neighborhood disposal and school kid activity. (shopping carts and hand trash)	TCA	

Trash Problem Area Survey Results by Watershed

Coyote Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source¹	Trash Sources	Trash Source Category²	Comments
WD23	Lower Silver Creek u/s McKee Rd. Arroyo Park Area		EK	Litter	TCA	
WD24	Coyote Creek between Brokaw and Ridder Park		EK	Litter from homeless encampments	TCA	
WD25	Coyote Creek at Quinn Ave		EK	Illegal Dumping in waterway	TCID	
WD26	Coyote Creek downstream Julian St		EK	Litter from homeless encampments and schools (windborne)	TCA	
WD27	Coyote Creek downstream Keys behind 1020 S. 12 th St		EK	Illegal Dumping in waterway and litter from homeless encampments and apartments	TCID	

Total locations within watershed = 35

Trash Problem Area Survey Results by Watershed

Guadalupe River						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
CA01	Los Gatos Creek, east side of the trail approx. 100 yards north of the bridge at Campbell Avenue.		EK	Litter (motorists on Highway 17)	TCA	Regular maintenance schedule.
CA02	Winchester Avenue from old Camden Rd. to Knowles along railroad tracks.		EK	Litter (motorists)	TNC	Regular maintenance schedule.
CA03	Downing Ave. east of Bascom Ave. under the Highway 17 footbridge.		EK	Litter (Trash from pedestrians and motorists)	TNC	Regular maintenance schedule.
CA04	White Oaks from Highway 17, south to Redding on the west side of the street.		EK	Illegal dumping and trash.	TNC	Regular maintenance schedule.
CA07	Dead end on Cristich Lane north of McGlincy.		EK	Litter (pedestrians and motorists)	TNC	Regular maintenance schedule.
CA08	Highway 17 off ramp at White Oaks.	CalTrans	SR	Litter (motorists)	TNC	Notify Caltrans.
CA09	Highway 17 off ramp at Hamilton Avenue B10heading south.	CalTrans	SR	Litter (motorists)	TNC	Notify Caltrans.
CA10	Los Gatos Creek east of the Camden overpass.	SCVWD	EK	Litter and trash.	TCA	Notify SCVWD.
CO02	Chiechi, Page, Willard and Scott Streets		EK	Litter (pedestrians)	TNC	(see footnote 3)
CO03	Parkmoor Ave. from Meridian Avenue to MacArthur		EK	Litter (pedestrians and motorists)	TNC	(see footnote 3)
CO06	Harry and McKean Roads		EK	Litter (pedestrians and motorists) and illegal dumping	TNC	(see footnote 3)
CO08a	Capital Expressway at Canoas Creek		OM	Trash accumulation (windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping

Trash Problem Area Survey Results by Watershed

Guadalupe River						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
CO10	Almaden Expressway at Hwy 87		OM	Trash accumulation (windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CO12a	Santa Teresa Blvd at Canoas Creek		OM	Trash accumulation (windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CO13b	San Tomas Expressway at Los Gatos Creek		OM	Trash accumulation (windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CO14a	Montague Expressway at Guadalupe River		OM	Trash accumulation (windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CO15	Almaden Expressway at Ironwood		SR	Homeless encampment	TNC	
LG01	Los Gatos creek trail; along the whole creek in Los Gatos		EK	Litter (homeless)	TCA	Trash is picked up twice yearly, creek cleanup. Homeless relocate to new location on trail
LG02	Hicks road between Camden Ave & Shannon Rd		SR	Illegal dumping-not in waterway	TNC	Single incident on 12/9/03. Report of 30 motorcycle tires dumped. Town collected & recycled tires. Location is 30 mi. from Guadalupe dump. A problem area - not usually to this extreme.
LG03	Kennedy road from Los Gatos Blvd to Shannon Rd		EK	Litter (motorists)	TNC	Town picks up trash twice monthly
LG04	Shannon Road from Los Gatos Blvd to Hicks Road		EK	Trash accumulation (windborne, motorist)	TNC	Town picks up trash twice monthly
LG05	Blossom Hill road from Short Rd to Harwood		SR	Trash accumulation (windborne, motorist)	TNC	Town picks up trash twice monthly

Trash Problem Area Survey Results by Watershed

Guadalupe River						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
LG06	Town of Los Gatos parking lots (9); on Main St. near Monte-Bello and Park Ave		SR	Litter (Homeless, motorist dumping etc)	TNC	Town picks up debris 1-2 times weekly.
MS01	Saratoga-Los Gatos Road/Hwy 9		EK	Litter (motorists)	TNC	Maintained by Caltrans
SC04	Bellomy Street, Lafayette Street, Washington Street, and Alviso Street by Santa Clara University.		EK and SR	Santa Clara University students littering - over filled garbage containers.	TNC	More accumulation of refuse complaints are derived from this area of town than any other.
SC07	Hay Street	Maintained by City of Santa Clara	SR	Overfilled garbage dumpsters, cars parked in on streets preventing street sweeping, lost of litter from local 7-11.	TNC	
SC08	Lafayette Street at Memorex and D. Giulio	Maintained by City of Santa Clara	EK and SR	Illegal dumping-not in waterway (especially during the clean-up campaign)	TNC	This area is usually cleaned three times during the clean-up campaign.
SJ02	Street along Blackford High School between Underwood and Blackford Av. on Boynton Av.	Owned and maintained by City of San Jose.	EK	Litter from high school motorists and pedestrians.	TNC	(see footnote 4)
SJ06	Home St. from Sunol to the dead end west of Sunol.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians and homeless.	TNC	(see footnote 4)
SJ14	East side of Old Almaden Rd. from Capitol Expressway to Almaden Expressway.	Owned and maintained by City of San Jose.	EK	Litter from motorists and illegal dumping.	TNC	(see footnote 4)
SJ15	East side of Camden Av from Old Guadalupe Mines Rd. to Vista Loop.	Owned and maintained by City of San Jose.	EK	Litter from motorists.	TNC	(see footnote 4)
SJ16	Blossom River Dr. between Blossom Hill Rd. and Blossom River Wy.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians and motorists.	TNC	(see footnote 4)
SJ17	Almaden Expressway between Crown Blvd. and Camden Av.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians.	TNC	(see footnote 4)
SJ18	North side of Coleman Rd. between Almaden Expressway and Meridian Av.	Owned and maintained by City of San Jose.	EK	Litter from motorists and illegal dumping.	TNC	(see footnote 4)

Trash Problem Area Survey Results by Watershed

Guadalupe River						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
SJ19	Camden Av. between Coleman Rd. and Camden Village Cir.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians and motorists.	TNC	(see footnote 4)
SJ20	Almaden Rd at Ironwood Dr along creek banks.	Area maintained by City of San Jose and SCVWD.	SR	Litter from homeless encampment.	TCA	Police Department removes encampments as needed.
SJ21	Under bridge near creek at Julian St and Guadalupe Expwy.	Owned and maintained by City of San Jose.	SR	Litter from homeless encampment.	TCA	Police Department removes encampments as needed.
WD10	Highway 87 @ Guadalupe River		EK	Litter (Homeless encampments)	TCA	
WD11	Old Julian St. Bridge @ Guadalupe River		EK	Litter-Trash acc (windborne & waterborne and from park and arena)	TCA	
WD12	Capitol Expressway @ Guadalupe River		EK	Trash acc –waterborne & windborne (homeless encampment and windblown from expressway.	TCA	
WD13	Coleman Ave @ Guadalupe River (downtown)		EK	Trash acc-waterborne (homeless encampment and windblown from expressway)	TCA	

Total locations within watershed = 41

Trash Problem Area Survey Results by Watershed

Lower Penitencia Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
MI01	On Old Calaveras Rd. near the intersection with Downing Rd.		EK	Illegal dumping-not in waterway (Appliances, old furniture, tires, indoor and outdoor construction waste, engines, motors etc).	TNC	This is a persistent problem. The area is inspected twice a week, Monday and Friday and trash is removed.
MI02	On Downing Rd. near the intersection with Old Calaveras Rd.		EK	Illegal dumping-not in waterway (Appliances, old furniture, tires, indoor and outdoor construction waste, engines, motors etc.)	TNC	This is a persistent problem. The area is inspected twice a week, Monday and Friday and trash is removed.
MI03	On upper Calaveras Rd. right where the road curves before Spring Creek Ln.		EK	Illegal dumping-not in waterway (Appliances, old furniture, tires, indoor and outdoor construction waste, engines, motors etc.)	TNC	This is a persistent problem. The area is inspected twice a week, Monday and Friday and trash is removed.
MI04	On Piedmont Rd., between Yosemite Dr. and Uridias Ranch Rd.		EK	Illegal dumping-not in waterway (Appliances, old furniture, tires, indoor and outdoor construction waste, engines, motors etc.)	TNC	This is a persistent problem. The area is inspected twice a week, Monday and Friday and trash is removed.
MI05	On Dempsey Rd. between Yosemite Dr. and Edsil Dr.		EK	Trash accumulation (windborne)	TNC	This is a persistent problem. The area is inspected twice a week, Monday and Friday and trash is removed.
MI07	Beryessa Creek – from Calaveras Blvd. bridge to Abel St. bridge		EK	Litter in the waterway, tires, pallets	TCID	The litter is cleaned up during annual creek clean-up programs. The last creek clean up was on September 20, 2003. 2700 lbs of garbage was removed in all from the 2 creeks.

Trash Problem Area Survey Results by Watershed

Lower Penitencia Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
MI09	In Penitencia Creek off Marylinn Dr. between N. Abbott Ave. and N. Abel St.		EK	Trash accumulation (Mostly windblown in the waterway, e.g. papers)	TCA	It is difficult to take action, as most of the trash is windblown. BFI does not clean in the creek
MI10	Minnis Circle		EK	Paper, cardboards, containers, parts from body repair shops and other commercial stores	TNC	The trash is accumulated by the commercial customers and is often cleaned up by them. But the problems resurface every now and then.
MI11	House at the corner of Adams Ave. and Temple Dr.		EK	Domestic Litter, lot of garbage in 7 or more trash cans, some garbage overflowing the bins	TNC	Ongoing problem, is an eyesore, BFI picks up all trash
MI12	The apartments in between E. Calaveras Blvd. and Adams Ave.		EK	Extra garbage overflowing from trash bins	TNC	Ongoing problem, BFI picks up all trash
WD28	Berryessa Creek between Montague and Hwy 680		EK	Litter from business and roadway (windborne)	TCA	
WD29	Calera Creek between Esquela Parkway and London Drive		EK	Litter from roadway and neighborhood	TCA	
WD30	Los Coches Creek between Dempsey Road and Evans		EK	Litter from roadway and neighborhood	TCA	

Total locations within watershed = 13

Trash Problem Area Survey Results by Watershed

Matadero/Barron Creeks						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source¹	Trash Sources	Trash Source Category²	Comments
PA08	U.S. Route 101/Embarcadero Road Interchange	Cal Trans	EK	Litter from Vehicles, Wind	TNC	
PA09	Molley Stone's Supermarket at California & Park		EK	Trash from Dumpsters, Litter	TNC	
PA10	Albertsons Supermarket at West Bayshore and Embarcadero Road		EK	Trash From Dumpsters, Litter	TNC	
PA11a	Alma Street at Matadero Creek		EK	Homeless Camps, Litter	TNC	
PA11b	Alma Street at Barron Creek		EK	Homeless Camps, Litter	TNC	
PA12	Oregon Expressway from Waverley to Middlefield	Multiple Ownership	EK	Homeless Camps, Litter	TNC	
PA15	Wet well at Matedero Creek Pump Station at West Bayshore	City of Palo Alto	EK	Accumulation from storm drain system	TNC	
PA16	Tributary to Arastradero Creek, along Arastradero Road on the preserve side, between Gates A and B.	City of Palo Alto	CK	Litter from roadway	TNC	Cans, bottles, paper, small appliances, etc. (whatever people throw from their vehicle)
WD02	Barron Debris Basin @ Foothill Expressway and Arastradero Road, Gunn High School, Palo Alto		EK	Litter (High School)	TCA	
WD18	Matadero Creek, above and below bypass crossing along trail		EK	Trash accumulation (waterborne) and litter from park and trail	TCA	

Total locations within watershed = 10

Trash Problem Area Survey Results by Watershed

Permanente Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
CO09a	Central Expressway at Permanente Creek		OM	Trash accumulation(windborne) and litter from pedestrians and motorists	TNC	
LA07	Foothill Expressway n/b shoulder - Rancho Shopping Center to El Monte Avenue	County Expressway - landscape maintained by City of Los Altos	EK	Trash from Expressway traffic	TNC	
LA11	Foothill Expressway shoulder s/b between Loyola Drive and St. Joseph Avenue.	County Expressway - landscape maintained by City of Los Altos	EK	Trash from vehicles	TNC	
MV05	Escuela Avenue b/w Latham and California		SR	Litter (school)	TNC	City cleanup operations
MV06	City parking lot behind the west side of 200 block of Castro St. near the breezeway (also other City parking lots)		SR	Litter (bar/restaurant patrons)	TNC	City cleanup operations, including storm drain maintenance
MV09	Permanente Creek at Rock Street overpass	Owned and maintained by SCVWD	CC	Litter (adjacent school)	TCA	City-sponsored creek cleanup activities
MV10	Permanente Creek at Villa Street overpass	Owned and maintained by SCVWD	CC	Litter (adjacent residential buildings, including apartments)	TCA	City-sponsored creek cleanup activities
MV11	Permanente Creek at various overpasses between Villa and Rock St.	Owned and maintained by SCVWD	CC	Litter (roads, pedestrians)	TCA	City-sponsored creek cleanup activities
WD06	Permanente Creek downstream Amphitheater		EK	Trash accumulation (waterborne); typically after significant rain events	TCA	

Total locations within watershed = 9

Trash Problem Area Survey Results by Watershed

San Francisquito Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source¹	Trash Sources	Trash Source Category²	Comments
PA01	San Francisquito Creek; El Camino Real to El Palo Alto Park	Multiple Ownership	CK	Homeless Camping, Litter	TCA	Reported by Stream Keeper
PA02	Small City-owned Parks on San Francisquito Creek at Webster and between Tasso & Cowper	Multiple Ownership	CK	Homeless Camping, Drinking	TCA	Reported by Stream Keeper
PA03	San Francisquito Creek: Middlefield Road Bridge	Multiple Ownership	CK	Homeless Camping, Drinking, Graffiti	TCA	Reported by Stream Keeper
PA13	Paulsen Lane and Lane 20 from Ramona to Waverley adjacent to University Avenue		EK	Business Trash and Homeless Activity	TNC	
PA14	City Alley Connecting University and Hamilton between Ramona & Emerson		EK	Trash From Dumpsters, Litter	TNC	
WD19	San Francisquito Creek between University Ave and Newell Rd		EK	Litter from roadway, apartments and business	TCA	

Total locations within watershed = 6

Trash Problem Area Survey Results by Watershed

San Tomas Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
CA05	Mona Way east of Lisa Way.		EK.	Litter (pedestrians)	TNC	Regular maintenance schedule.
CA06	East end of Gale Avenue adjacent to San Tomas Creek.		EK.	Litter (pedestrians and motorists)	TNC	Regular maintenance schedule.
CO09e	Central Expressway at San Tomas		OM	Trash accumulation(windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CO11b	Lawrence Expressway at Saratoga Creek		OM	Trash accumulation(windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CO13a	San Tomas Expressway at San Tomas Creek		OM	Trash accumulation(windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
SA02	Wildcat Creek from Fruitvale Avenue Bridge by City Hall Campus to back of Sacred Heart School Campus.		CC	Litter (students eating lunch)	TCA	Sacred Heart School adopted the creek. Creek cleanup completed with 80 students and parents.
SA03	Dumpster area behind three restaurants located on big basin way.	Private	EK	Trash accumulation	TNC	Frequent inspections with educational brochures by WVCWP Inspector
SC02	Alpine Alley between Kiely and Pomeroy	Maintained by City of Santa Clara	EK and SR	Illegal dumping –not in waterway (likely by non-residents)	TNC	Street Maintenance crews have to clean this alley at least twice a year.
SC03	Bowers Alley behind Russell's Furniture on El Camino Real at Bowers	Maintained by City of Santa Clara	EK and SR	Illegal dumping-not in waterway (mainly by Russell's Furniture employees and passerby)	TNC	Notices of violation have been sent to Russell's Furniture directing them to clean-up.

Trash Problem Area Survey Results by Watershed

San Tomas Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
SC05	Behind the parking lot at Ellena and William Streets facing San Tomas Expressway	Maintained by County	SR	Illegal dumping –not in waterway (likely by residents in adjacent apartment complexes)	TNC	
SC06	519 Saratoga Avenue in the alley behind the apartment complex.		SR	Illegal dumping-not in waterway (in dumpster area)	TNC	
SC09	Lafayette Street and Bassett Street Cal Trans train track right-of-way.		EK	Litter and illegal dumping.	TNC	
SJ01	San Tomas Aquino Pkwy. between Payne and Mona Wy.	Owned and maintained by City of San Jose.	EK	Litter from pedestrians and motorists.	TNC	(see footnote 4)
SJ25	Starbird Park located at Boynton Av. and Williams Rd.	Owned and maintained by City of San Jose.	EK	Litter from park users.	TNC	(see footnote 5)
WD03	San Tomas Creek. d/s Westmont Ave. to u/s of McCoy Ave. San Jose & Campbell		EK	Litter (two schools adjacent to creek trails)	TCA	
WD11	San Tomas Creek from Hamilton Ave to Williams Rd		EK	Trash accumulation (windborne) from nearby apartments and park	TCA	
WD12	San Tomas Creek from Hwy 101 to Hwy 237		EK	Trash accumulation (waterborne); typically after significant rain events	TCA	
WD13	Saratoga Creek from El Camino Real to Cabrillo Ave		EK	Litter from nearby park and school	TCA	

Total locations within watershed = 18

Trash Problem Area Survey Results by Watershed

Stevens Creek						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
CO09b	Central Expressway at Stevens Creek		OM	Trash accumulation(windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CU02	Homestead and Mary Ave. adjacent to high school	Private	EK	Litter (pedestrians-school)	TNC	
CU05	Sommerset Park owned and maintained by City.		EK	Illegal dumping – not in waterway (litter, trash and debris)	TNC	litter, trash and debris.
LA04	Expressway shoulder s/b from Vineyard Drive to 280	County Expressway - landscape maintained by City of Los Altos	SR and EK	Trash from Expressway traffic	TNC	
LA05	Grant Road frontage from Arboretum to Homestead Road (SCC Expressway	County Expressway - landscape maintained by City of Los Altos	SR and EK	Trash from Expressway traffic	TNC	
LA13	2100 Sierra Ventura Drive back yard (storm drain easement)		SR	Litter from Highway 280 comes down culvert behind this property causing drain problems.	TNC	
MV01	Stevens Creek from Hwy 237 to El Camino Real overpasses;	Owned and maintained by SCVWD	EK and CC	Litter (road and some homeless encampments)	TCA	City cleanup operations; and City-sponsored and private volunteer creek cleanup activities
MV02	Stevens Creek south of El Camino Real to Dierix Dr (18 acre parcel along Hwy 85)	Owned and maintained by SCVWD	EK	Litter (homeless encampments)	TCA	City cleanup operations
MV07	Stevens Creek at Evelyn Avenue overpass; homeless activity; graffiti area	Owned and maintained by SCVWD	SR and CC	Litter from homeless (and others, such as graffiti artists); illegal dumping – waterway	TCA	City cleanup operations; and City-sponsored and private volunteer cleanup activities.
WD01	Stevens Creek, d/s of Moffett Blvd (u/s &d/s of the fish ladder), Mountain View.		EK	Homeless Encampment	TCA	

Total locations within watershed = 10

Trash Problem Area Survey Results by Watershed

Sunnyvale East						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
CO09c	Central Expressway At Sunnyvale East		OM	Trash accumulation (windborne) and litter from pedestrians and motorists	TNC	Expressway Sweeping
CU04	Ann Arbor and Ann Arbor Ct., close to City park	Private	EK	Illegal dumping – not in waterway (trash and appliances)	TNC	trash and appliances
CU06	Park Circle East & West, area behind apartments	Private	EK	Illegal dumping - not in waterway (trash and furniture)	TNC	trash and furniture
SU01	600 Block, Grand Fir and Bellflower Ave.		EK	Illegal dumping- not in a waterway (Occasional trash dumping from apartment complexes on a cul-de-sac)	TNC	No current problems noted when the site was viewed on 11/26/03
SU05	594 E. El Camino Real - Alleyway behind business.		SR	Trash accumulation due to overflowing dumpster. Possible illegal dumping, not in a waterway next to the dumpster.	TNC	Coordinated outreach with Solid Waste program anticipated.
SU07	1675 Hollenbeck Ave - Alleyway behind business.		SR	Trash accumulation due to overflowing dumpster. Possible illegal dumping, not in a waterway, next to the dumpster.	TNC	Coordinated outreach with Solid Waste program anticipated.
SU08	727 Sunnyvale-Saratoga Road - Alleyway behind business.		SR	Trash accumulation due to overflowing dumpster. Possible illegal dumping, not in a waterway next to the dumpster.	TNC	Coordinated outreach with Solid Waste program anticipated.

Trash Problem Area Survey Results by Watershed

Sunnyvale East						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
SU11	Matilda Ave. and Highway 101 intersection - on ramps and exits.		EK	Litter from motorists and wind borne accumulations of trash against fences	TNC	Areas of litter accumulation not within City of Sunnyvale jurisdiction - Handled by CalTrans.
SU14	Angel Ct. Parking Lot, under Matilda Ave. overpass, near CalTrain Depot.		EK	Litter (pedestrians and cars in parking lot - local teenage hangout)	TNC	Area posted with signs. Frequently cleaned by PW landscaping crews. Trash receptacles provided nearby. Incidental quantities of litter were visible during 11/26/03 visit to site.
SU15	Victory Village Park and Fair Oaks Overpass		EK	Litter (pedestrians and "casual" labor waiting for work near local hardware store)	TNC	Area frequently cleaned by PW landscaping crews.
SU16b	Caribbean Drive at Sunnyvale East Channel		EK	Litter from trucks/vehicles on their way to the SMaRT station on Carl Road, not in a waterway.	TNC	Contractor for SMaRT station picks up litter from area twice each week or more frequently, as needed. All commercial trucks are required to have covered loads. Residents are encouraged to cover loads. Some litter from vehicles still occurs due to quantity of traffic.
SU17	California Ave on ramp to Central Expressway		EK	Litter from vehicles, wind borne trash accumulation.	TNC	Access road cleaned by PW staff on regular schedule.
WD04	Sunnyvale East Channel d/s of Reed Ave.		EK	Litter and trash accumulation from nearby apartment dumpsters.	TNC	
WD14	Sunnyvale East Channel upstream of Ahwhnee		EK	Litter from homeowners and apartments	TCA	
WD15	Sunnyvale East Channel upstream of Persian		EK	Litter from freeway after rain events	TCA	

Trash Problem Area Survey Results by Watershed

Sunnyvale East						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source¹	Trash Sources	Trash Source Category²	Comments
WD16	Sunnyvale East Channel upstream of Carribean		EK	Trash accumulation (waterborne), after rain event	TCA	

Total locations within watershed = 16

Trash Problem Area Survey Results by Watershed

Sunnyvale West						
ID #	Location of Trash Problem Areas	Reported Ownership	Information Source ¹	Trash Sources	Trash Source Category ²	Comments
SU16a	Caribbean Drive at Sunnyvale West Channel		EK	Litter from trucks/vehicles on their way to the SMaRT station on Carl Road, not in a waterway. (note: Caribbean Drive crosses over Sunnyvale East Channel and Sunnyvale West Channel).	TNC	Contractor for SMaRT station picks up litter from area twice each week or more frequently, as needed. All commercial trucks are required to have covered loads. Residents are encouraged to cover loads. Some litter from vehicles still occurs due to quantity of traffic.

Total locations within watershed = 1

Grand total for all watersheds = 195

¹ Information resources include: EK = Employee or staff knowledge; CK = Citizen Knowledge; SR = Service request, complaints, or complaint database; CC = Creek cleanup event; OM = Operations and Maintenance activity.

² Trash source categories include: TNC = Trash not in creek (but may contribute to creek); TCA = Trash in creek from accumulation (either waterborn or windborn); and TCID = Trash in creek from illegal dumping.

³ Once a month, a crew of juvenile offenders collects litter and recyclables for IWMD. In addition, the Department of Roads and Airports has crews along many of these roads which include rural county roads, expressways and highway corridors.

⁴ The Anti Litter Program has volunteers assigned to clean up several of the litter hotspots at least once per month. Areas without assigned volunteers are maintained through the Juvenile Offender Program.

⁵ Maintenance staff is present at each of these sites for at least 300 days per year. Roughly 80 percent of the trash is generated on weekends.

Trash Problem Area Survey Results by Watershed

Key

CA	Campbell
CU	Cupertino
MI	Milpitas
MV	Mountain View
PA	Palo Alto
SC	Santa Clara City
SA	Saratoga
CO	SC County
WD	SC Valley Water District
SU	Sunnyvale
LG	Los Gatos
MS	Monte Sereno
LA	Los Altos