

**Appendix J**  
**Ballona Creek Watershed Trash Monitoring Report**

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## **Ballona Creek Trash TMDL Monitoring and Reporting Year 5 (10/01/2007 to 9/30/2008)**

On August 1, 2002 the California Regional Water Quality Control Board adopted the Ballona Creek Trash Total Maximum Daily Load (TMDL). This TMDL establishes baseline trash generation rates based on land use categories. Five land use categories were monitored and a baseline waste load allocation value was calculated based on the monitoring results. The TMDL implementation schedule requires a 10 percent progressive reduction of the baseline waste load allocation each year starting 2 years after the establishment of the TMDL until the numeric target of zero trash is achieved. Accordingly, Implementation Year 5 (10/01/07 to 9/30/08) requires a reduction of 50 percent of the waste load allocation within the County's unincorporated areas.

In a letter dated August 1, 2007, the California Regional Water Quality Control Board certified the Department of Public Works connector pipe screen as a full capture device. This certification confirms that any area that drains into a full capture device is considered to be in 100% compliance with the Ballona Creek Trash TMDL.

There are four separate unincorporated Los Angeles County sub-areas within the Ballona Creek watershed comprising a total area of 3776.4 acres (Attachment A). Using baseline Waste Load Allocations, the total trash generation subject to compliance for all four sub-areas is 9235.8 gallons/year as shown in Table 1.

On June 17, 2008 a contract for the installation of 247 full capture devices in the Ballona Creek Watershed was awarded. Installation of these devices is planned to begin in August 2008.

The Baldwin Hills sub-area covering 489.5 acres of the unincorporated area currently has no catch basins proposed for retrofit with full capture devices. The total trash generation for the area currently without full capture is 1032.0 gallons/year (Table 2). From these two figures a compliance percentage can be calculated.

This calculation establishes the County of Los Angeles as being 88.8% compliant with the Ballona Creek Trash TMDL as of September 2008. This exceeds the Year 5 (2008) compliance target of 50 percent reduction of the baseline waste load allocations. The ultimate target of zero trash discharge is required by year 2013.

One factor not considered in this calculation, but may be utilized in future calculations, is the percentage that would be achieved by adding any previously

installed partial capture devices. This addition would use a 50 percent reduction per device rather than the 100 percent as allotted for the full capture devices.

Table 1: Total Trash generation in unincorporated Los Angeles County

	Commercial	HD SF Residential	Industrial	LD SF Residential	Open Space/Parks	Total Area
Waste Load Allocation (gal/sq mi/yr)	4588.11	1311.34	1367.35	1367.35	3648.89	
Waste Load Allocation (gal/acre/yr)	7.2	2.0	2.1	5.7	2.3	
1 - Trousdale Estates (acres)	No catch basins in boundary					
2- West L.A. (acres)	111.0	3.7	311.6	0.0	151.1	577.4
3 - Baldwin Hills (acres)	136.5	1507.7	824.2	0.0	609.0	3077.4
4- Playa Vista (acres)	3.7	0.7	0.0	0.0	117.2	121.6
Total (acres)	251.2	1512.1	1135.8	0.0	877.3	3776.4
Total (gal/yr)	1808.6	3024.2	2385.2	0.0	2017.8	9235.8

Table 2: Area which is not currently full capture

	Commercial	HD SF Residential	Industrial	LD SF Residential	Open Space/Parks	Total Area
Waste Load Allocation (gal/acre/yr)	7.2	2.0	2.1	5.7	2.3	
3 - Baldwin Hills (acres)	9.4	466.2	0.0	0.0	13.8	489.5
Total (gal/yr)	67.8	932.4	0.0	0.0	31.8	1032.0

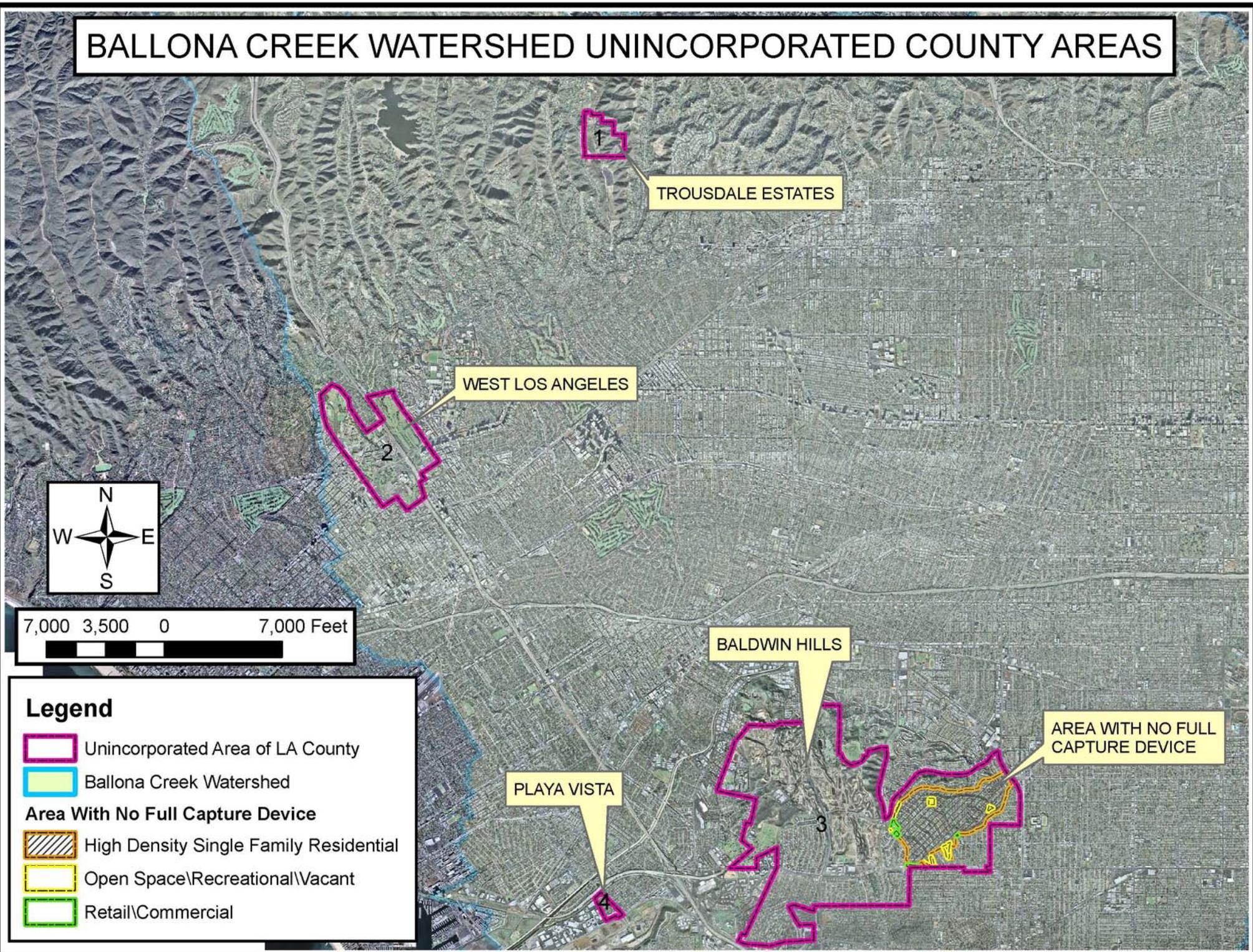
Compliance Calculation:

$$\% \text{ Compliance} = \frac{\text{Total Trash (gal/yr)} - \text{Trash in unretrofitted area (gal/yr)}}{\text{Total Trash (gal/yr)}} * 100$$

$$\% \text{ Compliance} = \frac{9235.8 \text{ (gal/yr)} - 1032.0 \text{ (gal/yr)}}{9235.8 \text{ (gal/yr)}} * 100$$

$$\% \text{ Compliance} = 88.8\%$$

# BALLONA CREEK WATERSHED UNINCORPORATED COUNTY AREAS



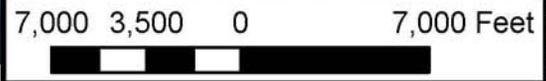
TROUSDALE ESTATES

WEST LOS ANGELES

BALDWIN HILLS

PLAYA VISTA

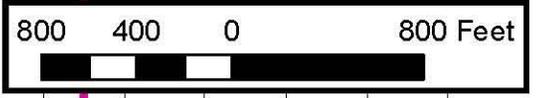
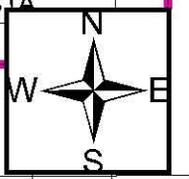
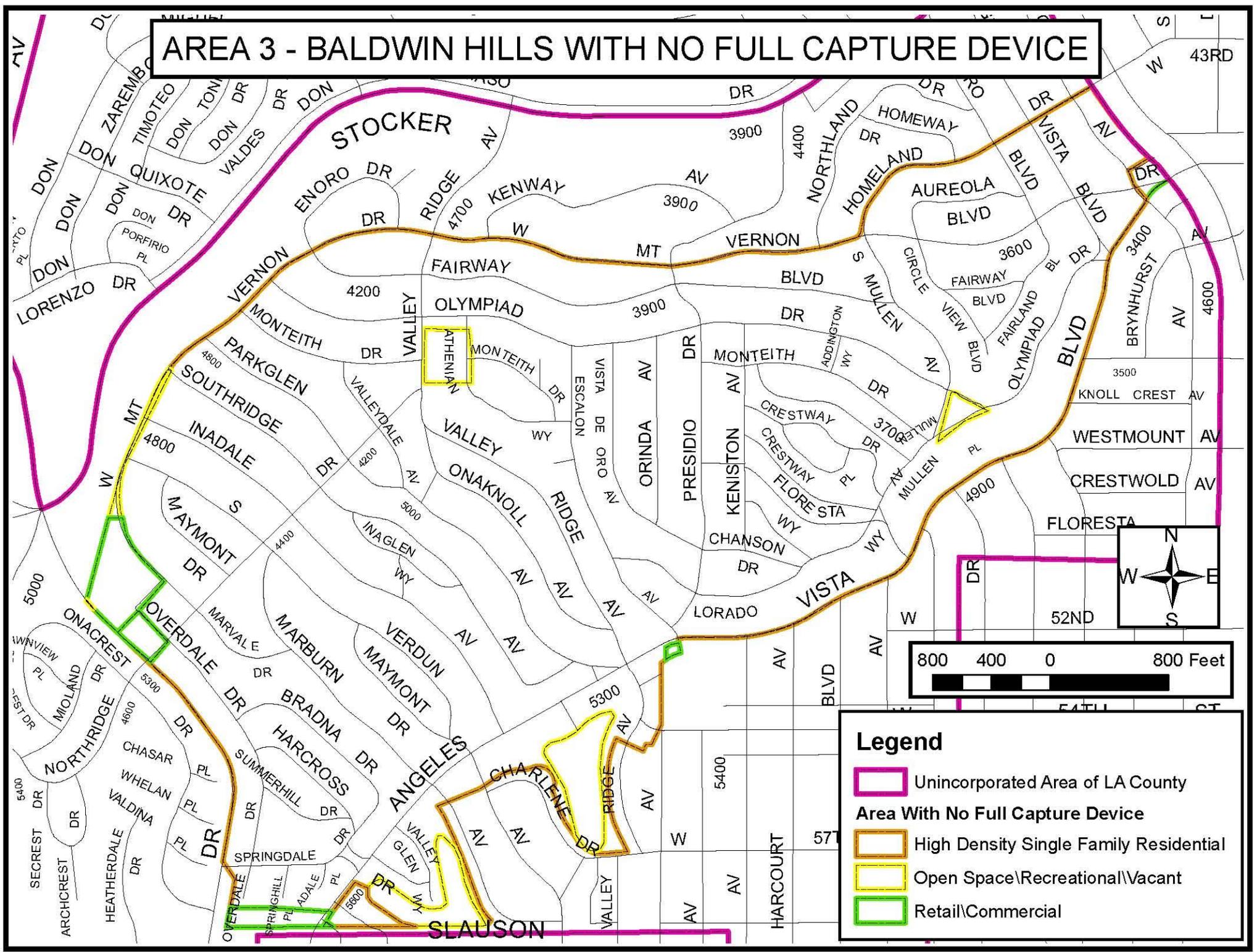
AREA WITH NO FULL CAPTURE DEVICE



## Legend

- Unincorporated Area of LA County
- Ballona Creek Watershed
- Area With No Full Capture Device
  - High Density Single Family Residential
  - Open Space/Recreational/Vacant
  - Retail/Commercial

# AREA 3 - BALDWIN HILLS WITH NO FULL CAPTURE DEVICE



**Legend**

- Unincorporated Area of LA County
- Area With No Full Capture Device**
- High Density Single Family Residential
- Open Space\Recreational\Vacant
- Retail\Commercial

# **CITY OF WEST HOLLYWOOD**

FY 2007-2008 STATUS REPORT

## **BEST MANAGEMENT PRACTICES FOR IMPLEMENTING THE TRASH TOTAL MAXIMUM DAILY LOADS**

July 23, 2008

Prepared by  
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### **BEST MANAGEMENT PRACTICE #1 STREET SWEEPING**

No change from original plan. Enhanced street sweeping with a vacuum truck is conducted daily on major arterials and weekly on residential streets. See Technical Report January 2004 for assumptions and calculations.

### **BEST MANAGEMENT PRACTICE #2 HAND LITTER PICKUP**

No change from original plan. Hand pickup of litter continues daily on major arterials. See Technical Report January 2004 for assumptions and calculations.

### **BEST MANAGEMENT PRACTICE #3 STREETSIDE TRASH CONTAINERS.**

There have been enhancements to the original plan. The City has 140 streetside trash containers from which trash is collected daily.

An additional 36 recycling containers were added in 2004. As pedestrian traffic increases (weekends, summer months) about 20 additional temporary event boxes are added to the street.

## BEST MANAGEMENT PRACTICE #4 CATCH BASIN DEBRIS EXCLUDERS

A monitoring program funded by the California State Coastal Conservancy conducted in 2001-2002 showed that debris screen/excluder devices achieved a 95% reduction in annual trash from entering the storm drain system. The City continues to retrofit catch basins through our Capital Improvement Program.

FY 2002 – 9 units

FY 2003 – 17

FY 2004 - 37

FY 2005 - 33

FY 2006 - 50 (funded with LA County Flood Control funds)

Total 146 units

There were no additional excluders added in 2007 as we had the additional County funding in 2006 and added more units than we had originally scheduled. 2007 funds were rolled over into 2008. In 2008 we will be adding 20 additional units.

### CONCLUSIONS/RECOMMENDATIONS

The debris screen/excluder devices, though extremely effective, will not be suitable for installation on approximately 30% of the catch basins citywide due to design constraints.

The City anticipates the four BMP's will enable us to comply with the 10% trash wasteload reductions during the next five years. However, we do not yet have the "base year" quantity of trash which we will need to use as a starting point to reference this reduction.