APPENDIX I

BALLONA CREEK WATERSHED TRASH REPORT

BALLONA CREEK WATERSHED
TRASH TOTAL MAXIMUM DAILY LOAD MONITORING AND ANNUAL REPORT
IMPLEMENTATION YEAR 10
OCTOBER 1, 2012 to SEPTEMBER 30, 2013

Background

On August 1, 2002, the Ballona Creek Trash Total Maximum Daily Load (TMDL) was approved and adopted. On February 8, 2005, a Regulatory Action was approved to amend and revise the TMDL. The TMDL implementation schedule requires a 10 percent progressive reduction of the trash baseline load each year starting two years (2004) after the establishment of the TMDL until the numeric target of zero trash is achieved (2015).

Potential Point Sources and Responsible Jurisdictions

There are 398 catch basins that collect runoff from County-unincorporated communities located within the Ballona Creek Watershed. There are five County-unincorporated communities and six cities within the Ballona Creek Watershed (attached Implementation Areas Map). Unincorporated communities make up 4.80 percent of the Ballona Creek Watershed. Pursuant to the TMDL, the County is responsible for the point-source trash contributed by the County-unincorporated communities within the Ballona Creek Watershed.

Monitoring and Reporting

In February 2004, the County submitted the Trash Baseline Monitoring Report for the Ballona Creek Watershed as required by the initial TMDL. Five land-use categories were monitored, and a baseline-waste load allocation value was calculated based on the monitoring results.

In April 2007, after extensive research, testing, and development, the County submitted a Full-Capture Device Technical Report[1] for the connector pipe screen (CPS) device to the Regional Board. The CPS device[2] was subsequently certified by the Regional Board as an approved full-capture device on August 1, 2007. According to the Regional Board, "a full-capture system is any single device or series of devices that traps all particles retained by a 5-millimeter mesh screen (100 percent trash removal) and has a design treatment capacity of not less than the peak-flow rate resulting from a one-year, one-hour, storm in the subdrainage area" (Resolution No. 04-023).

In accordance with the TMDL, the County has submitted an annual Status Report along with the Annual Storm Water Monitoring Report.

Implementation Strategy

The County's implementation strategy is to install full-capture devices in all feasible catch basins within the unincorporated areas of the County. Other Regional Board certified full-capture best management practice (BMP) devices, partial-capture devices or other alternatives may be

[1] Technical Report - Connector Pipe Screen Design (Full-Capture TMDL Compliance, Screen and Bypassing Sizing Requirements). Dated April 2007.

[2] The list of Executive Officer approved full-capture systems is available at the following site: http://www.waterboards.ca.gov/losangeles/water_issues/programs/tmdl/full_capture_certification.shtml

considered for installation in catch basins where the installation of full-capture devices is not feasible, due to the negative impacts these devices may have on the flood control capacity. The installation of these devices is being completed in phases to address the required compliance deadlines and with the initial phases being located in this highest trash generating areas.

Completed Full-Capture Retrofits

To date, two phases have been implemented. The initial phase (Phase 1) was completed in December 12, 2008 with the installation of 235 CPS devices. The next phase (Phase 2) was completed in December 1, 2009 with the installation of 101 CPS devices.

To date, the County has achieved a total 77.57 percent reduction to date with the installation of 336 full-capture devices for all of the County unincorporated areas within the Ballona Creek Watershed. See Table 1 below:

Table 1: Percent Reduction of the Trash Baseline in Ballona Creek

Implementation Area for Ballona Creek County Unincorporated	Trash Generation Rate (%)*	Total Catch Basins	Total Catch Basins Retrofitted with CPS	Trash Reduction (%)**
1 -Trousdale Estates	N/A	0	0	N/A
2 - West Los Angeles	19.58	25	13	10.18
3 - Baldwin Hills	77.2	370	323	67.39
4 - Playa Vista	3.22	0	0	N/A
5 - West Fox Hills	N/A	3	0	N/A
TOTALS	**100.00**	**398**	**336**	**77.57**

*The trash generation rates for each Implementation Area are based on the waste-load allocation.

**Reduction % = (No. of Full-Capture Retrofits) / (Total Basins in Imp'. Area)* (% Trash Generation)

Future Full-Capture Retrofits

Planning efforts are currently underway to retrofit the remaining 62 catch basins with full-capture devices under the Los Angeles River Trash TMDL Full Compliance Phase 8, which is set to take place in FY 2013-2014.

RP:

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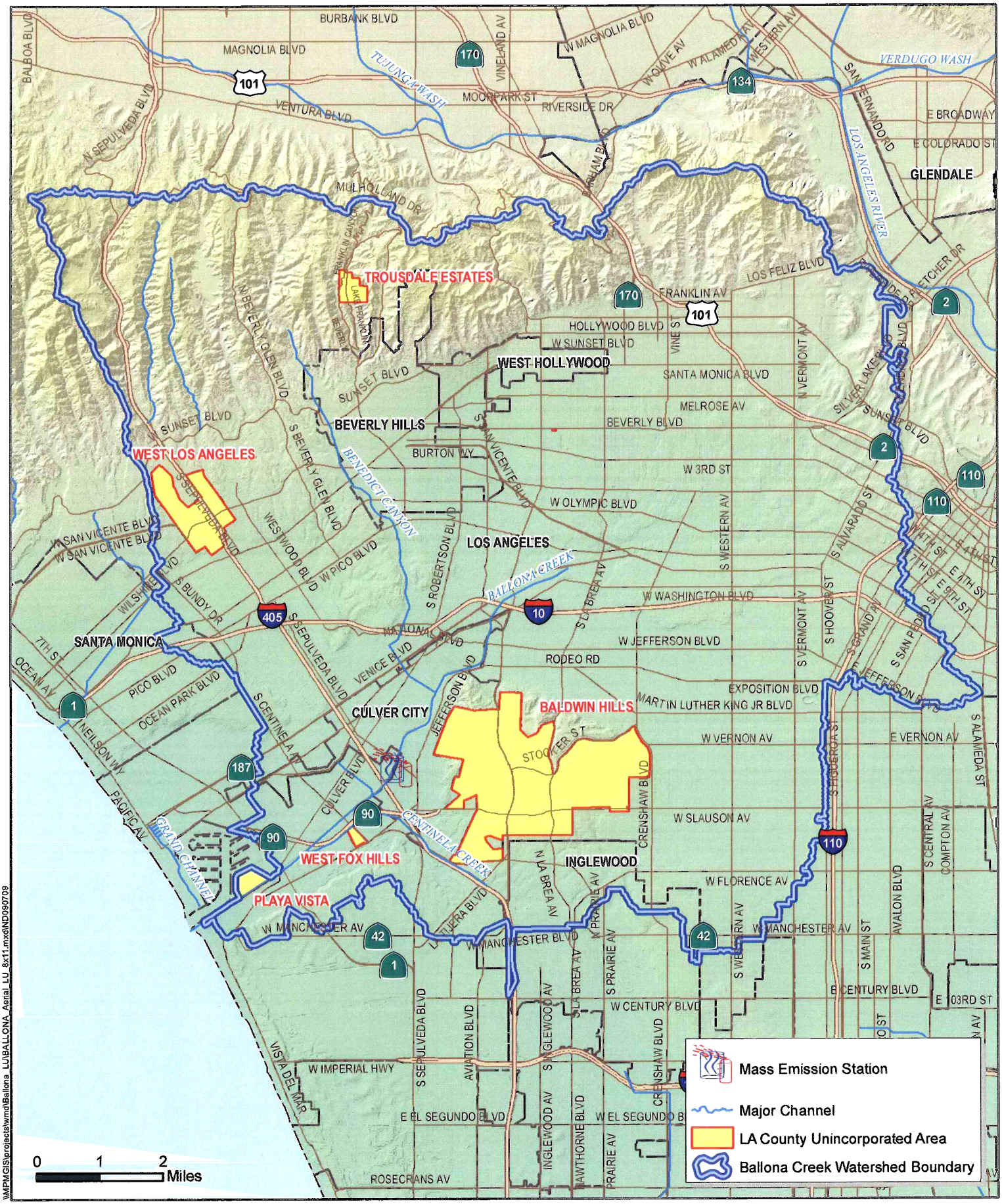
BALLONA CREEK WATERSHED
Unincorporated County Areas