



# EAST SAN GABRIEL VALLEY WATERSHED MANAGEMENT GROUP

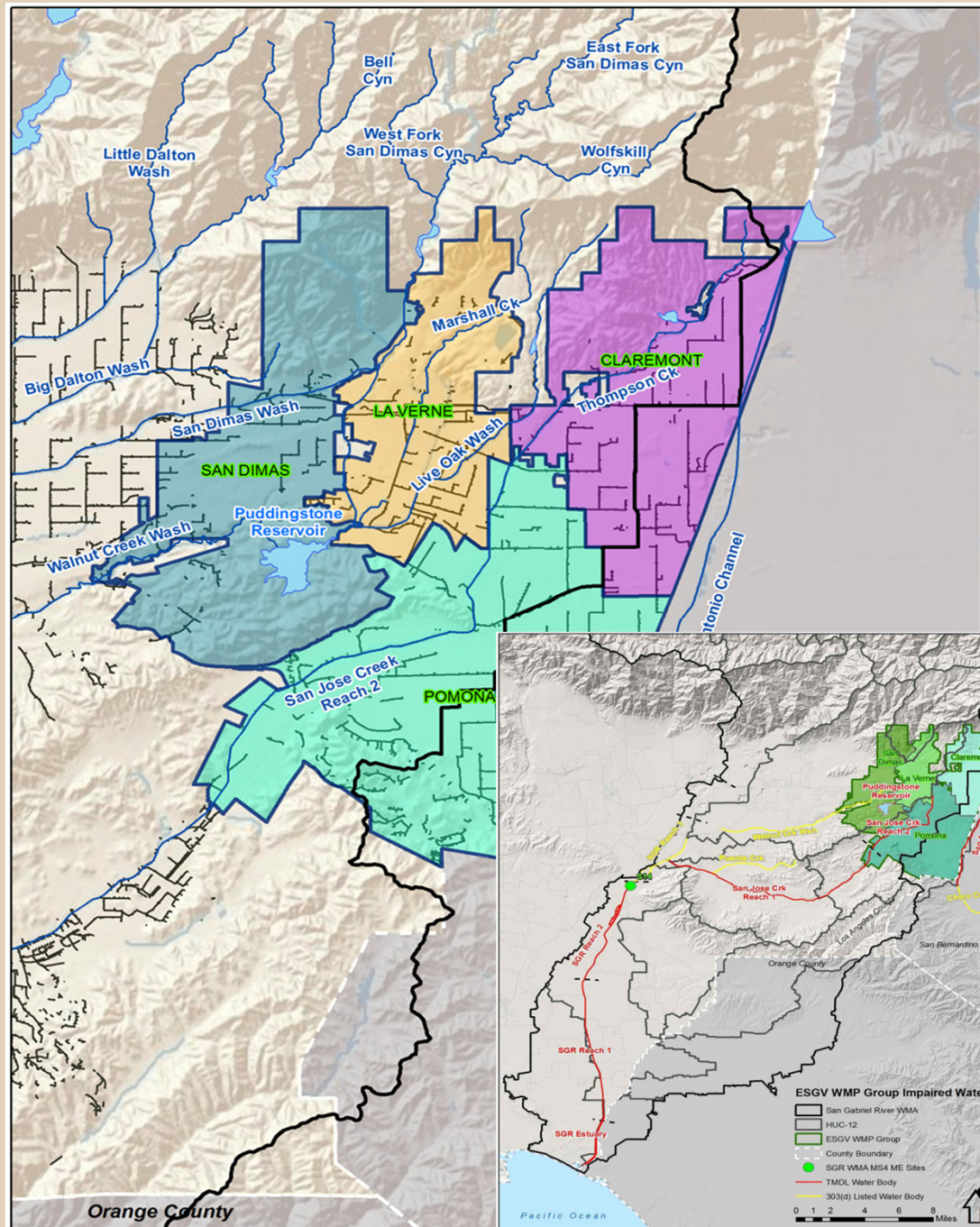
WATERSHED MANAGEMENT  
PROGRAM (WMP) DEVELOPMENT

CITIES OF CLAREMONT, LA VERNE,  
POMONA, AND SAN DIMAS

# EAST SAN GABRIEL VALLEY WMG

## Principal Receiving Waters:

- San Dimas Wash
- San Jose Creek
- San Gabriel River
- San Gabriel Estuary
- Walnut Creek Wash



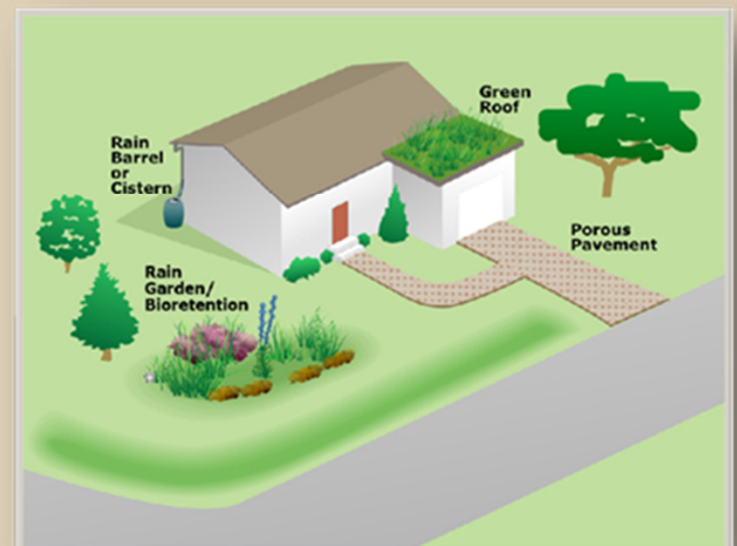
# PRESENTATION OVERVIEW

- Specificity to Non-Structural BMPs
- Industrial and Commercial Facilities Inspections
- Water Quality Characterization
- Specificity on BMP type, location and timing of watershed control measures



# NON-STRUCTURAL BMPS

- Rooftop Runoff Reduction Program
- LID for New/Redevelopment
- Enhanced Construction Site Inspections
- Verification of Post Construction BMPs
- Enhanced Catch Basin Cleaning



# INDUSTRIAL AND COMMERCIAL INSPECTION PROGRAM

- Inspections conducted
  - Claremont – 185
  - La Verne – 170
  - Pomona – 509
  - San Dimas – 130



**Employee and Customer Education**

- Train employees on storm water pollution prevention practices annually.
- Educate your customers and raise their awareness about proper washing, recycling and disposal procedures.

**Engine and Parts Cleaning**

- Clean parts in a self-contained unit, solvent sink, or parts washer to prevent or storm drain.
- Allow parts to drain over a contained area, rather than allowing materials to drip or spill onto the floor. Never discharge the rinse solution into the storm drain or sanitary sewer system.
- Inspect part-washing units daily for leaks and make repairs immediately.
- Use water-based cleaning solutions instead of solvents. Recycle used solutions through a licensed hazardous waste hauler.
- Avoid using hose-off degreasers and never allow runoff to enter the street, gutter or storm drain. Instead, brush-off loose debris and use damp rags to wipe down parts. Clean used rags through a rag service or dispose of them as hazardous waste.
- Materials and waste such as vehicle parts, fuels, solvents, batteries and oils should be stored off the ground and in areas where they will not be exposed to rainwater.

**Storage**

- Contain cracked batteries to prevent hazardous spills.
- If possible, provide overhead coverage for all outside hazardous materials and waste storage areas. If overhead coverage is not available, cover stored materials with an impermeable material prior to a rain event.

**Waste Recycling and Disposal**

- When possible, recycle and reuse solvents, paints, oil filters, antifreeze, motor oil, batteries, metals scraps, water-based paints, used tires, paper, cardboard, glass containers, and aluminum cans.
- Combining different types of hazardous waste will limit you recycling options and can be dangerous. A licensed hazardous waste hauler can provide information on hazardous waste storage and disposal.

**Report Sewage Spills and Discharges**

that are not contained to your site to the City of Claremont (909) 399-5431  
7 am -6 pm Mon-Thurs  
Weekends, Holidays and After -hours report spills to City of Claremont Police Department (909) 399-5411

For more information about storm drain protection or additional brochures visit [www.ci.claremont.ca.us](http://www.ci.claremont.ca.us)  
**City of Claremont**  
  
207 Harvard Avenue, Claremont, CA, 91711

**Storm Water Pollution Prevention**

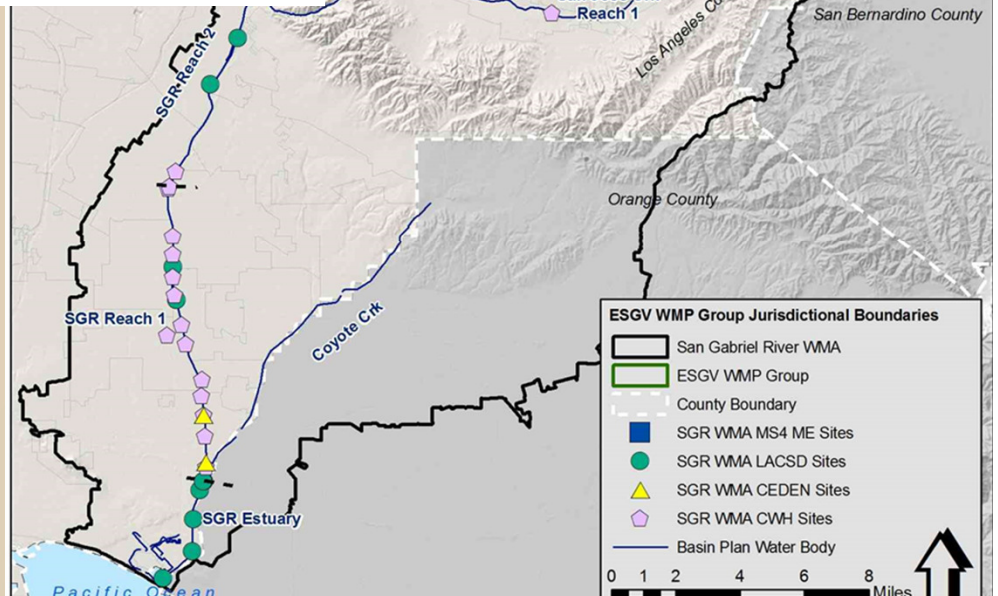
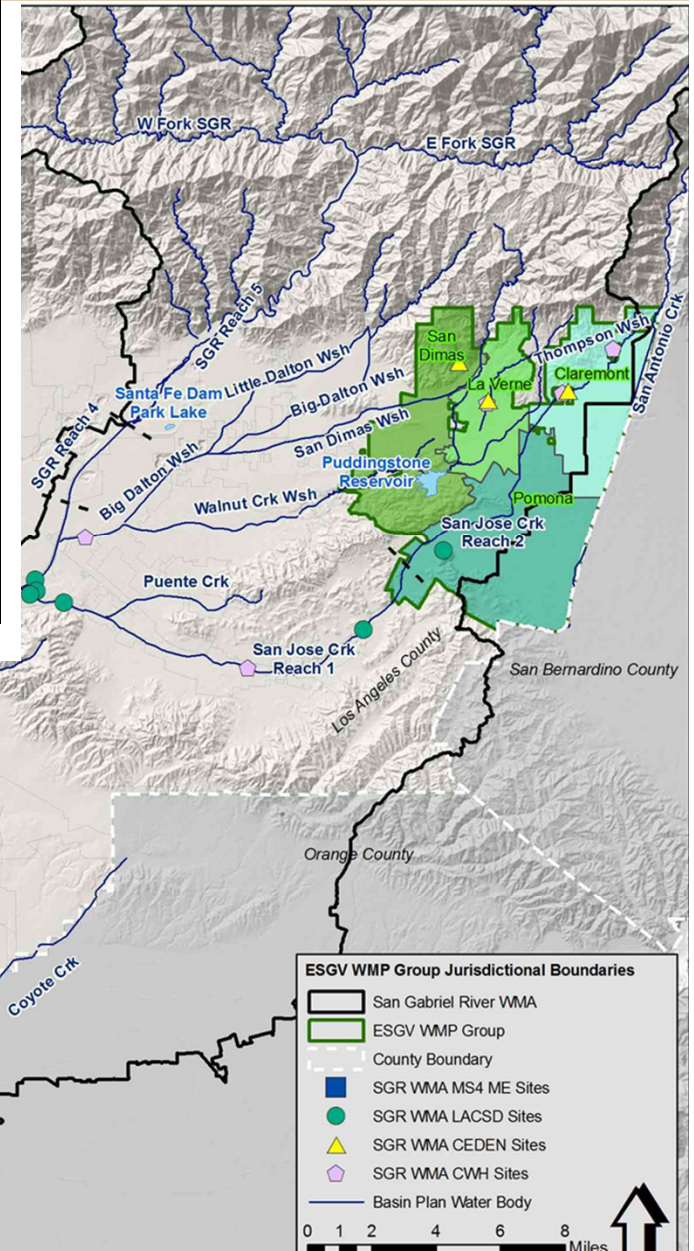
**Management Practices (BMPs)**

for  
**Automotive Service Facilities  
Retail Gasoline Outlets  
Automotive Dealerships  
Mobile Fleet Managers**

For additional information, contact the City of Claremont at (909) 399-5389 or email: [stormwater@ci.claremont.ca.us](mailto:stormwater@ci.claremont.ca.us)

# GREATER DETAIL ON THE WATER QUALITY CHARACTERIZATION

Reach	All Data (2002-2012)			Previous 5 Years (2007-2012)		
	Number of Analyses <sup>1</sup>	Number Detected <sup>2</sup>	Number of Constituents <sup>3</sup>	Number of Analyses <sup>1</sup>	Number Detected <sup>2</sup>	Number of Constituents <sup>3</sup>
San Gabriel River Estuary	30,598	16,026	318	12,127	4,991	177
San Gabriel River Reach 1	39,078	23,946	250	14,853	8,593	202
San Gabriel River Reach 2	10,692	3,222	251	4,732	1,513	195
San Gabriel River Reach 3	31,332	16,218	254	11,748	6,505	225
San Jose Creek Reach 1	27,439	12,348	245	12,354	6,536	203
San Jose Creek Reach 2	16,816	8,569	238	7,968	4,437	203
Walnut Creek	248	248	39	145	145	38
Thompson wash	67	65	40	0	0	0
San Dimas Wash	28	26	17	0	0	0
Big Dalton Wash	31	29	17	0	0	0
Puddingstone Reservoir <sup>4</sup>	28	28	17	0	0	0
Totals	156,357	80,725	419	63,927	32,720	249



# IMPLEMENTATION PLAN

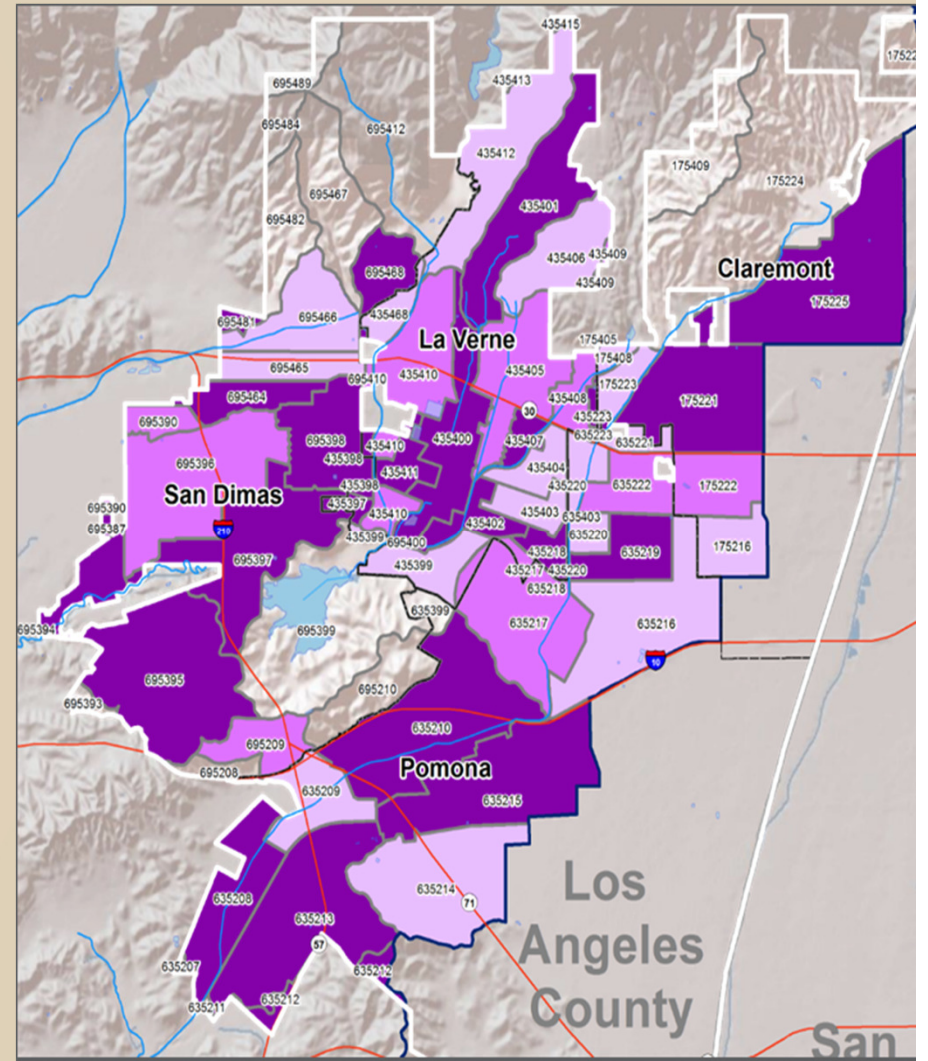
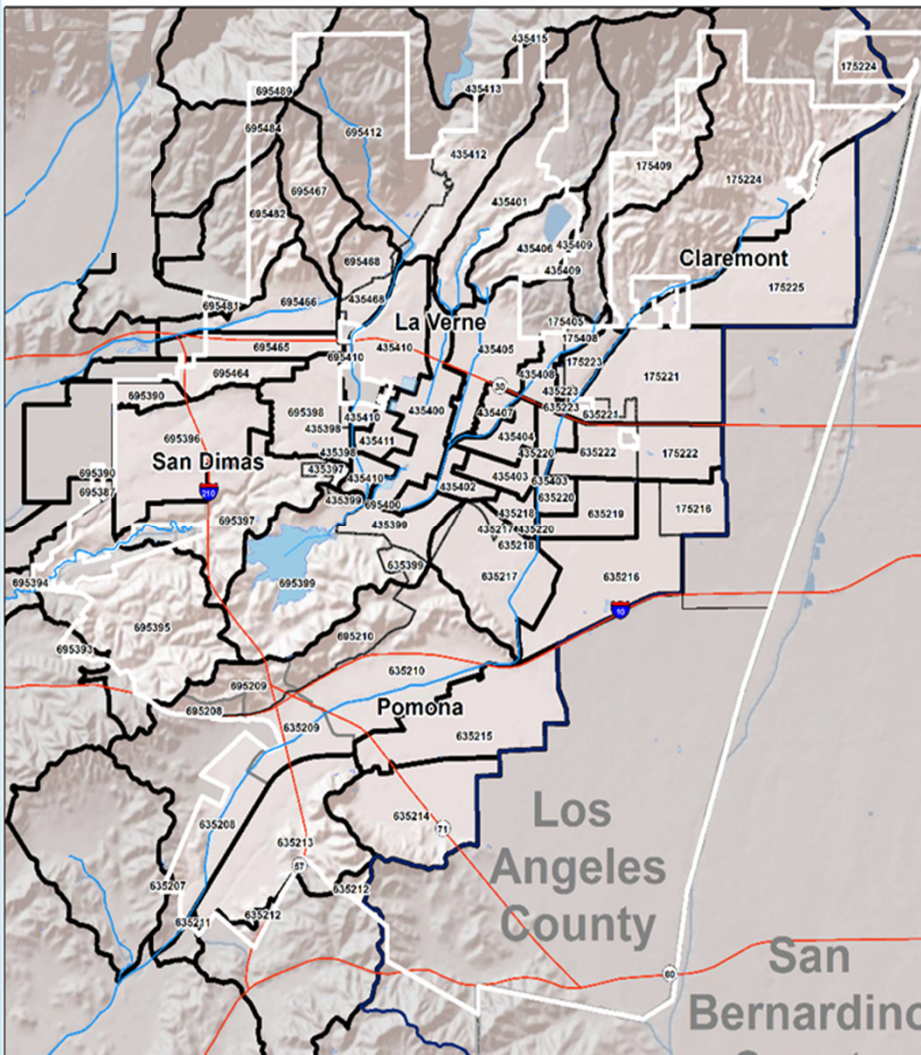
Receiving Water	Grouped SWS ID*	Individual SWS ID	COMPLIANCE TARGET: 85 <sup>th</sup> Percentile, 24-hour Storm Volume to be Retained by MS4 (acre-ft)	IMPLEMENTATION PLAN: APPROACH TO ACHIEVE COMPLIANCE TARGETS, SUBJECT TO ADAPTIVE MANAGEMENT								
				DESIGN STORM RUNOFF TO BE RETAINED <u>IN</u> RIGHTS-OF-WAY		DESIGN STORM RUNOFF TO BE RETAINED <u>OUTSIDE</u> OF RIGHTS-OF-WAY BUT PRIOR TO DISCHARGE FROM MS4 COLLECTION SYSTEM					NON-MS4 RUNOFF	
				Total Estimated Design Storm Volume to be Retained in Right-of-Way (acre-ft)	Estimated Equivalent Length of Green Street BMPs (ft)	Estimated Potential Volume to be Retained by LID on Public Parcels (acre-ft)	Estimated Potential Volume to be Retained by Downspout Disconnection Program (acre-ft)	Estimated Potential Volume to be Retained by LID Ordinance of New/Redevelopment (acre-ft)	Remaining Capacity to the Retained by Other BMPs, Potentially Including Regional BMPs (acre-ft)	Total Design Storm Volume that will <u>not</u> be Retained (acre-ft)	Estimated Potential Volume to be Retained by CALTRANS and other Transportation Entities (acre-ft)	Estimated Potential Volume to be Retained by Industrial Permittees (acre-ft)
San Dimas Wash	5412*	5412*	0.49	0.06	574	0.13	0.01	-	-	0.29	-	-
	5464	5464	3.76	1.50	9,025	0.23	0.13	0.03	1.86	-	0.83	-
	5465	5465	5.30	1.32	5,325	-	0.16	0.04	3.79	-	3.19	0.61
	5466	5466	6.10	2.50	15,331	0.22	0.23	0.12	3.04	-	-	-
	5468*	5468*	4.46	1.75	8,319	0.06	0.09	0.00	2.57	-	0.05	0.24
	5467	5467	0.95	0.02	116	0.39	0.01	0.00	-	0.54	-	-
San Dimas Wash Total			21.07	7.15	38,691	1.03	0.62	0.19	11.26	0.83	4.07	0.86



# SEQUENCING

## Subwatershed Index

## Milestones





# ADAPTIVE MANAGEMENT

As information is gathered, WMP will undergo modifications allowing the WMP to become more effective by assessing:

- Progress Towards Achieving Water Quality Limits
- Monitoring Data
- Achievement of Interim Milestones
- Re-evaluate Water Quality Strategies



# SCHEDULE OF CONTROL MEASURES

Jurisdiction	Major Watershed	10% Milestone, Year 2017 (acre-ft)	35% Milestone, Year 2020 (acre-ft)	65% Milestone, Year 2023 (acre-ft)	100% Milestone, Year 2026 (acre-ft)
Claremont	Puddingstone	<b>See description in Section 5.3</b>  1. Implementation of Rooftop Runoff Reduction Program 2. LID due to new and re-development 3. Increased construction site inspections 3. Verification of post-construction BMPs 4. Increased catch basin cleaning	0.6	1.1	1.7
	San Jose Creek		29.2	54.3	83.5
	<b>Claremont Total</b>		<b>29.8</b>	<b>55.4</b>	<b>85.2</b>
La Verne	Puddingstone		37.1	68.9	106.1
	San Dimas Wash		2.9	5.4	8.3
	San Jose Creek		2.6	4.8	7.3
	Walnut Creek		1.8	3.4	5.2
	<b>La Verne Total</b>		<b>44.4</b>	<b>82.5</b>	<b>126.9</b>
Pomona	Puddingstone		0.1	0.1	0.2
	San Jose Creek		71.6	133.0	204.6
	Walnut Creek	0.0	0.1	0.1	
	<b>Pomona Total</b>	<b>71.7</b>	<b>133.2</b>	<b>204.9</b>	
San Dimas	Big Dalton Wash	0.7	1.2	1.9	
	Puddingstone	0.3	0.6	0.9	
	San Dimas Wash	7.4	13.7	21.1	
	San Jose Creek	0.7	1.2	1.9	
	Walnut Creek	35.4	65.7	101.1	
	<b>San Dimas Total</b>	<b>44.4</b>	<b>82.5</b>	<b>126.9</b>	
<b>Total</b>			<b>190.3</b>	<b>353.5</b>	<b>543.9</b>

