

East San Gabriel Valley Watershed Management Group



RWQCB Workshop #1
May 10, 2018

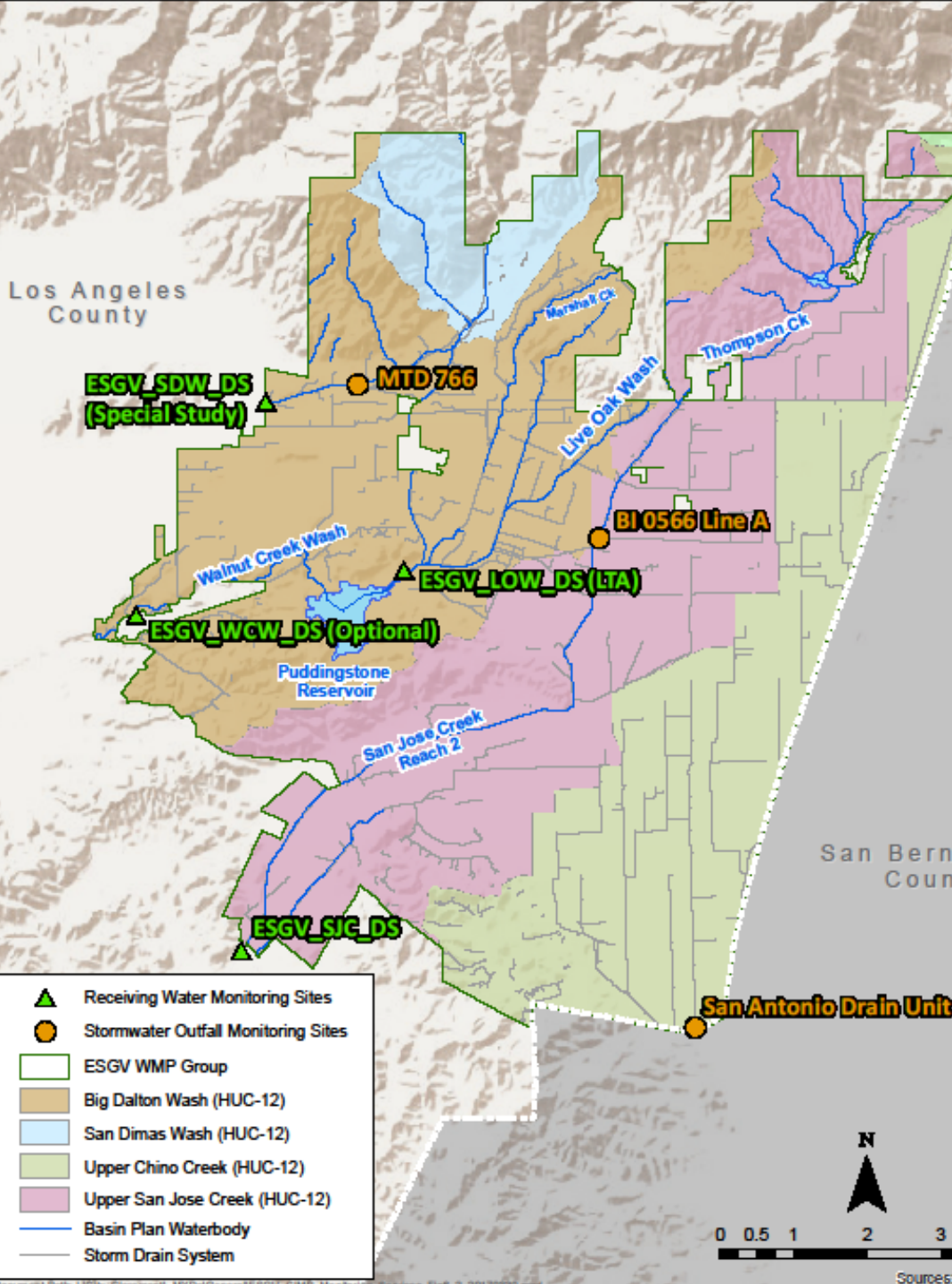


Location Summary

Site Name	Abbreviation	GPS Location	Type of Location
Live Oak Wash	ESGV_LOW_DS (LTA)	34.094064 -117.792934	TMDL & LTA
San Jose Creek	ESGV_SJC_DS	34.032233 -117.824894	TMDL
San Dimas Wash	ESGV_SDW_DS	34.121341 -117.820088	TMDL
Big Dalton Wash	MTD766	34.12417 -117.80215	Outfall
Upper San Jose Creek	BI0566 Line A	34.09926 -117.75468	Outfall
Upper Chino Creek	SAD1	34.01976 -117.73575	Outfall

Group Land Use Summary

Group Members	Area (sq mi)	Percent of Land Area			
		Res	Com	Ag	Open
Claremont	8	69	25	1	6
La Verne	6	72	20	3	6
Pomona	18	61	32	3	4
San Dimas	7	69	21	3	8
All Cities	38	65	27	2	6

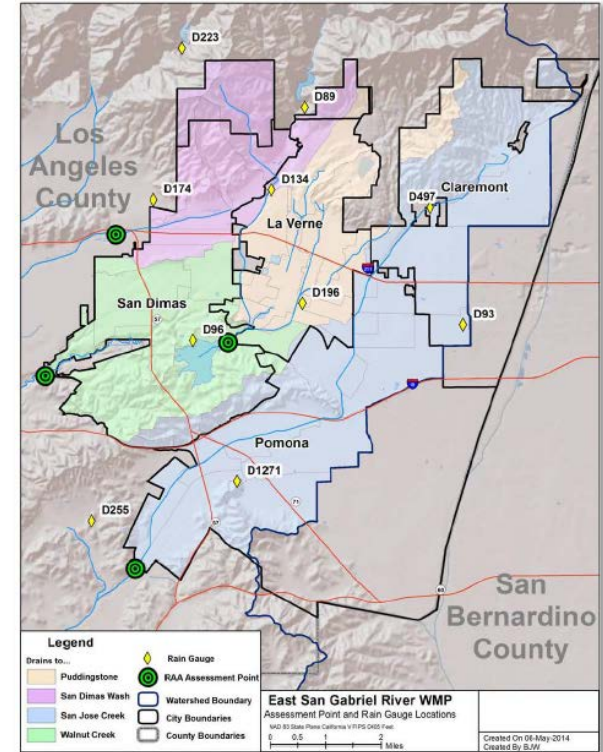


Permit Implementation Timeline

- CIMP Approval June 25, 2015
 - 2015-2016 Receiving Water Stations
 - 2016-2017 Receiving Water and Outfall Stations
- WMP Approval April 28, 2015
 - Non-structural & Structural BMPs
 - Adaptive Management




San Jose Creek Site, Event 009



WMP WMMS Model Domain

Coordinated Integrated Monitoring Program Implementation

- Little Historic Water Quality Data
- Precipitation
 - 2015-2016: 10.32 Inches
 - 2016-2017: 20.27 Inches

Constituent	2015-2016 WMP Compliance Progress⁽¹⁾	2016-2017 WMP Compliance Progress⁽¹⁾	2017 10% Reduction Milestone Achieved
Zinc	33-43%	25-36%	Yes 

1 WMP compliance progress is defined as the percent of the total reductions necessary from the baseline presented in the WMP for full compliance with zinc water quality objectives.

Watershed Management Program Implementation

- Rooftop Runoff Reduction Program
- Enhanced Minimum Control Measures
- Structural Best Management Practices
- Adaptive Management

Preventing Releases to the Storm Drain

- No restaurant wastewater or waste may be discharged to the storm drain.
- Be prepared for any spill or discharge.
- Know in advance what you are handling and what to do if a spill occurs.
- Make sure staff are properly trained.
- Act immediately, using known and safe procedures and try to contain any spilled material on-site.
- Remove food waste, rubbish and other materials from parking lot areas in a sanitary manner that does not create a nuisance or discharge to storm drain.

Before you allow anything to go into the gutter or storm drain, stop and think...storm drains do not go to the sewer, they flow directly into channels and creeks and to the ocean.

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

City of Claremont

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

207 Harvard Avenue, Claremont, CA, 91711

Storm Water Pollution Prevention

Best Management Practices for Restaurants Grocery Stores Bakeries

Public Outreach Brochure



Rooftop Runoff Reduction Program
12.52 AF Captured & 2,300 Barrels Distributed

Enhanced Minimum Control Measures

- Public Information and Participation
- LID for New Development/Redevelopment
- Construction Site Inspections
- Verification of Post-Construction Best Management Practices

Keep our neighborhoods and waters healthy and clean.

Things like litter, cigarette butts and animal waste left on the street create dirty neighborhoods and cause a health threat to the community. They can also wash into storm drains, leading to flooding and pollution of local waterways. Prevent pollution in your community and waters by following these simple tips:

- Reduce, Reuse, Recycle.
- Throw extinguished cigarette butts in an ashtray and trash in a trash can every single time.
- Clean up your pet's waste by throwing it in the trash.
- Organize or join in the clean up of a local waterway or community.
- Use pesticides and fertilizers sparingly and never apply them prior to rainstorms.
- Take unwanted paints, yard chemicals and automotive fluids to a local Household Hazardous Waste Collection Center or Event.

To learn more ways to keep your neighborhood and waters healthy and clean, visit www.waterboards.ca.gov/education.

Erase the waste
Brought to you by
the California Water Boards



Printed on recycled paper.

CITY OF POMONA STORM WATER POLLUTION PREVENTION PROGRAM

Construction & Development:

Soil, cement wash, asphalt, oil, and other hazardous debris from construction sites often make their way into the Los Angeles County Storm Drain System, and flow untreated into local waterways. Follow these Best Management Practices (BMPs) to prevent pollution, protect public health, and avoid fines or legal action.

- **Store Materials Safely:** Keep construction materials and debris away from the street, gutter, and storm drains. Cover exposed stockpiles of soil, sand or gravel, and excavated material with plastic sheeting, protected from rain, wind, and runoff.
- **Preventing Erosion:** Avoid excavation or grading during wet weather. Plant temporary vegetation or add hydro mulch on slopes where construction is not immediately planned and plant permanent vegetation once excavation and grading are complete. Construct diversion dikes to channel runoff to a detention basin and around the construction site. Use gravel approaches where truck traffic is frequent to reduce soil compaction and limit the tracking of sediment into the streets.
- **Cleaning & Preventing Spills:** Use a drip pan and funnel when draining or pouring fluids. Sweep up dry spills, instead of hosing. Be ready for spills by preparing and using spill containment and cleanup kits that include safety equipment and dry cleanup materials such as kitty litter or sawdust. To report serious spills, call 911.
- **Maintaining Vehicles & Equipment:** Maintain and refuel vehicles and equipment at a single location on-site, away from the street, gutter and storm drains. Perform major equipment repairs and washings off-site. Inspect vehicles and equipment frequently for leaks, and prevent leaks from stored vehicles by draining gas, hydraulic oil, transmission, and brake and radiator fluids.
- **Ordering Materials & Recycling Waste:** Reduce waste by ordering only the amounts of materials needed for the job. Use recycled or recyclable materials whenever possible. You can recycle broken asphalt, concrete, wood, and cleared vegetation. Dispose of hazardous materials through a hazardous waste hauler or other means in accordance with the construction permit. Non-recyclable materials should be taken to a landfill or disposed of as hazardous waste.
- **Concrete and mortar application:** Never dispose of cement washout into driveways, streets, gutters, or drainage ditches. Wash concrete mixers and equipment only in specified washout areas, where the water flows into lined containment ponds. Cement wash water can be recycled by pumping it back into cement mixers for reuse.



Environmental Concerns, Call (909) 620-3628
Water Watcher 24-Hour Reporting Line, Call (909) 620-2244
To Report Illegal Storm Water Discharges, Call 1(888) CLEAN LA

PROTECT our ENVIRONMENT

City of Pomona, Public Works Department-Environmental Programs
925 South Garey Avenue
Pomona CA 91766

Enhanced Minimum Control Measures

- Gilead Sciences LID Campus



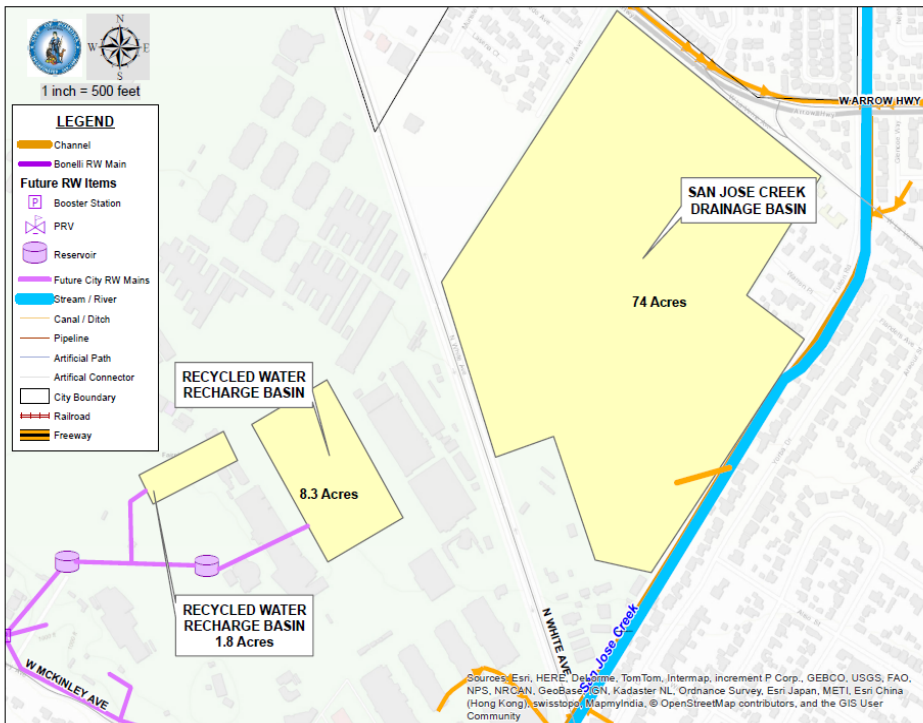
Stormwater Capture Basins



Gilead Campus New Low Impact Development

Structural Best Management Practices

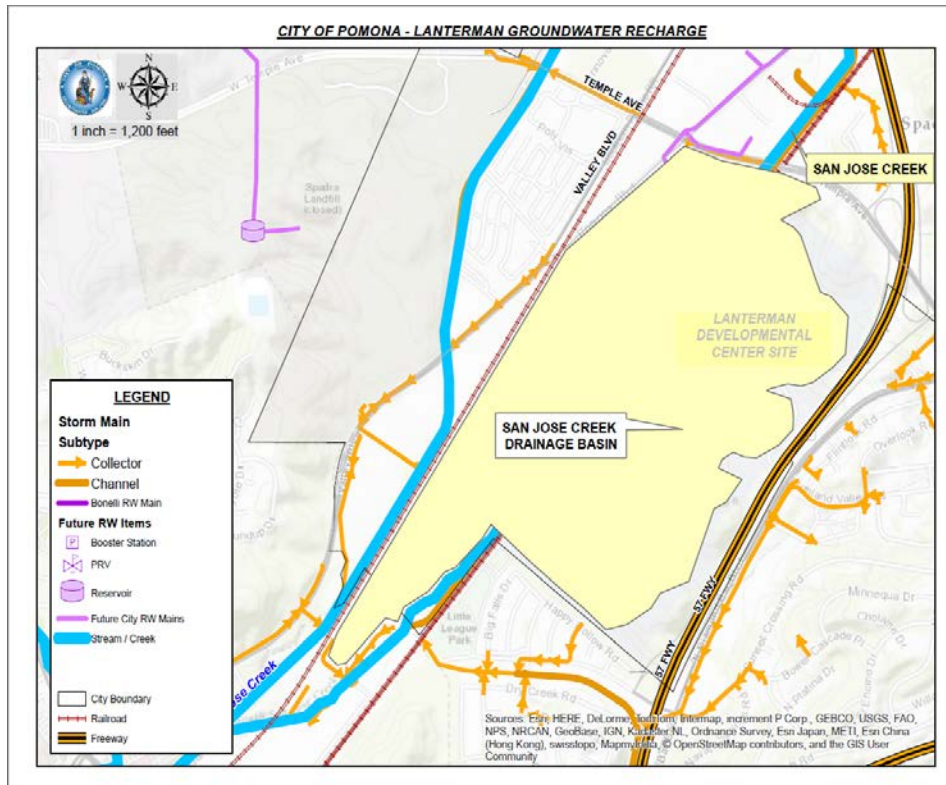
CITY OF POMONA - FAIRPLEX GROUNDWATER RECHARGE



Pomona Fairplex

- City of Pomona and Six Basins plus Other Public Private Partners
- Thompson Creek Sub-watershed
- Stormwater Capture and Recycled Water
- 5 – 15 Acres
- Several Thousand Acre-Ft of Capture
- Prop 1 Funds Being Sought
- Project Schedule: 2017 – 2021

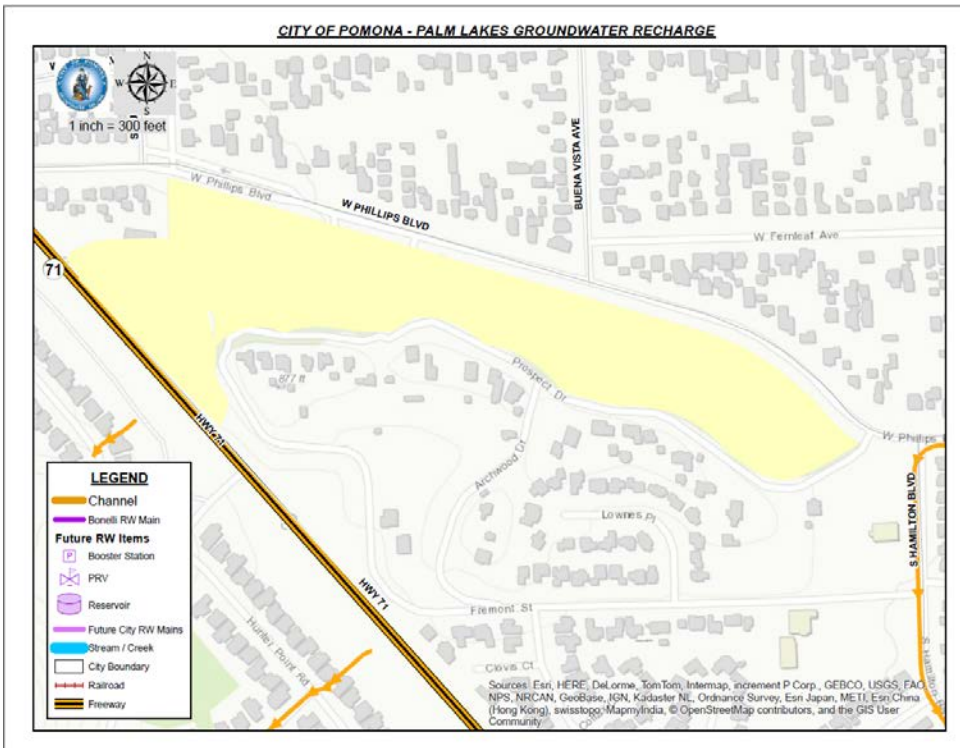
Structural Best Management Practices



Cal Poly Pomona and Lanterman Recharge Basins

- City of Pomona, Cal Poly Pomona, Puente Basin Members, Rowland Water District, Walnut Valley Water District
- San Jose Creek Sub-watershed
- San Jose Creek Stormwater Diversion and Recharge Basin
- Educational Facility with Biofiltration
- 10 – 50 Acres
- Several Thousand Acre-Ft of Capture
- Project Schedule: 2018 – 2022

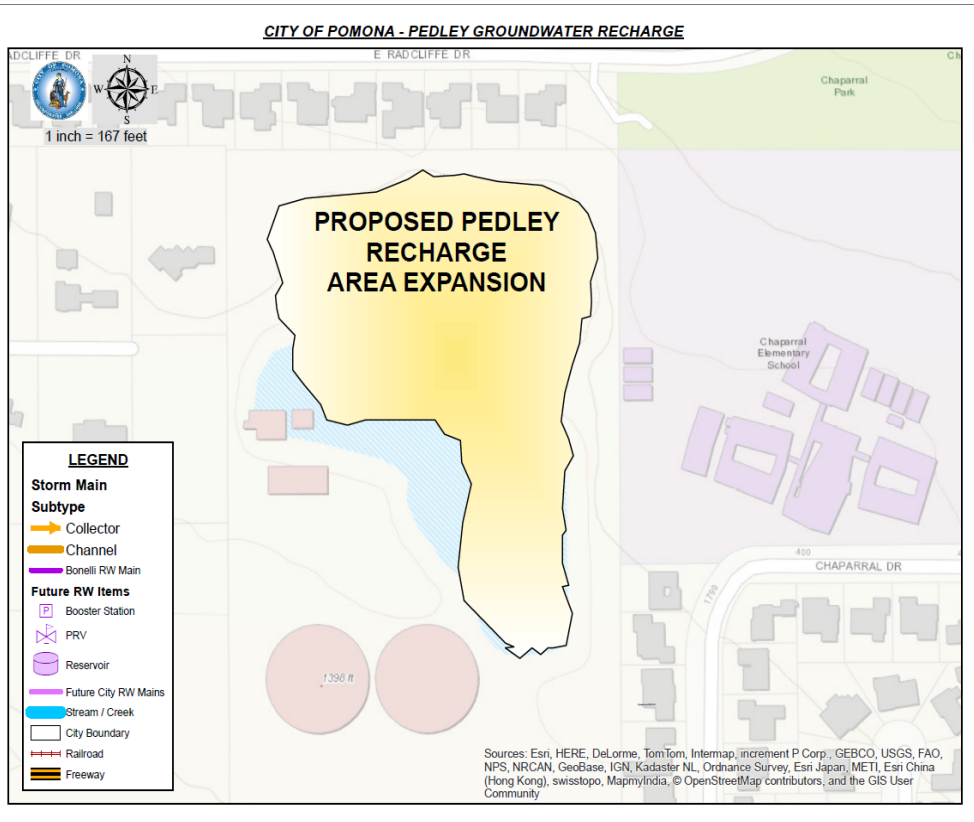
Structural Best Management Practices



- City of Pomona with Coordination of SR-71 Expansion
- Chino Creek Sub-watershed
- Stormwater Capture, Recharge and Recycled Water Use
- 2 – 6 Acres
- Several Hundred Acre-Ft of Capture
- Project Schedule: 2018 – 2020

Palm Lakes Golf Course

Structural Best Management Practices



- City of Pomona and City of Claremont
- Thompson Creek Sub-watershed
- Stormwater Capture and Recharge
- 2 – 5 Acres of Recharge Basins
- Several Hundred Acre-Ft of Capture
- Project Schedule: 2019 – 2021

Pedley Treatment Plant Recharge Ground Enhancements

Structural Best Management Practices

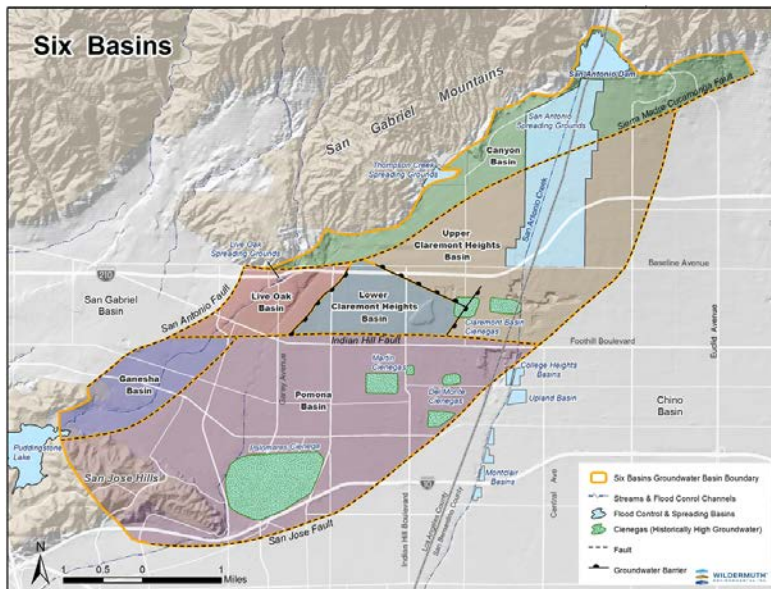


- City of Claremont
- Stormwater Capture and Recharge
- 2-Mile Corridor (Towne Avenue to Monte Vista Ave)
- Green Streets - Infiltration and Groundwater Recharge
- 65,000 SF Green Habitat
- Replace 37,000 SF of Impermeable Asphalt
- 304 Acre-ft of Recharge
- Seeking Prop 1 Funding
- Project Schedule: 2017 – 2019

Foothill Boulevard Stormwater Infiltration

Adaptive Management

- Reevaluation of Water Quality Priorities
- Effectiveness of Control Measures
- Reasonable Assurance Analysis with Watershed-specific data
- Economic/Funding availability may affect schedule of implementation



CITY OF CLAREMONT

Community Development Department

City Hall
207 Harvard Avenue
P.O. Box 880
Claremont, CA 91711-0880
FAX (909) 399-5327
www.ci.claremont.ca.us

Building • (909) 399-5471
Planning • (909) 399-5470
Engineering • (909) 399-5465
Community Improvement • (909) 399-5467
Administration • (909) 399-5321

June 28, 2017

VIA Regional Website

Regional Water Quality Control Board
Los Angeles Region
Attention: Iver K. Ridgeway, Senior Environmental Scientist
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Dear Mr. Ridgeway,

The East San Gabriel Valley Watershed Management Group (ESGVWM Group), comprised of the Cities of Claremont, La Verne, Pomona, and San Dimas (Group Members), established the Coordinated Integrated Monitoring Program (CIMP) for the East San Gabriel Valley Watershed to fulfill the Monitoring and Reporting Program (MRP) requirements of the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit Order No. R4-2012-0175 (Permit), which became effective December 28, 2012 and expires December 28, 2017.

As a part of the adaptive management process the group would like to make the following changes to the aforementioned CIMP.

- In accordance with Attachment A to Resolution No. R15-005 (Amendment to the Water Quality Control Plan – Los Angeles Region) to incorporate the TMDL for Indicator Bacteria in the San Gabriel River, Estuary and Tributaries), the group will begin conducting quarterly dry-weather sampling at the start of the 2017/2018 monitoring season, for at least one sampling site in each impaired reach prior to the dry-weather compliance deadline.
- In accordance with the ESGV CIMP, the metals monitoring frequency will be reduced in San Jose Creek from four to three wet-weather events per year. Based on the review of the 2015/2016 and 2016/2017 monitoring data for San Jose Creek, the ESGVWM Group believes that a reduction in the monitoring frequency is merited. The measured metals concentrations early in the storm season are generally greater than the concentrations measured after the first

Strategic Partnership with Six Basins for Flow Monitoring and Groundwater Modeling

CIMP Modification Based on Adaptive Management

Major Takeaways from First Permit

- The group has formed a new working relationship
- A baseline of monitoring information has been collected
- Group has formed relationships with water agencies for potential water capture + water augmentation projects
- The City Councils for the group members have become educated on stormwater issues within jurisdiction

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	LabSiteCode	SampleDate	ProjectCode	EventCode	ParentCode	AgencyCode	RegTypeComments	LocationCode	Geometry/Shape	CollectionTime	CollectionMethodCode	SampleTypeCode	Regulate	CollectionDeviceName	CollectionDepth	LabCollectionDepth	LocationNameColumn	LabCollectionComments	LabBatch
1	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
2	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
3	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
4	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
5	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
6	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
7	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
8	SIC_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	2:06 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
9	SIC_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	2:06 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
10	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
11	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
12	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
13	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
14	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
15	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
16	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
17	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
18	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
19	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
20	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
21	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
22	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
23	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
24	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
25	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
26	SIC_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	2:06 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
27	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
28	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
29	SIC_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	2:06 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
30	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
31	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
32	SIC_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	2:06 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	
33	LABQA	1/1/1900	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	6:00	Not Applicable	LabBlank	1	Individual Collection By Hand	-88.00 m	Subsurface		16-07-1089	
34	LOW_DS	07/15/16	East San Gabriel Valley CIMP	WG	Not Applicable	LWA	Dry	Not Recorded	Point	12:44 PM	Water-Grab	Grab	1	Individual Collection By Hand	6.10 m	Subsurface		16-07-1089	

CENDEN Database of the first 2 years of monitoring