UPPER SAN GABRIEL RIVER WATERSHED MANAGEMENT GROUP

Upper San Gabriel River Watershed Management Area

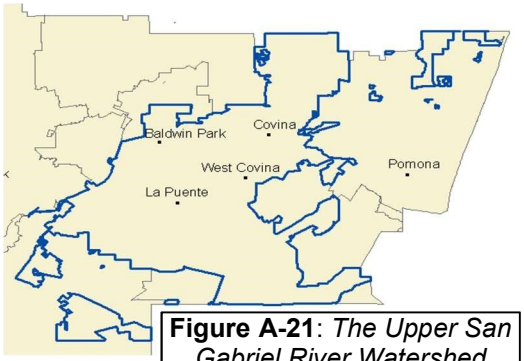

Figure A-21: *The Upper San Gabriel River Watershed Management Area*

The Upper San Gabriel River Watershed Management Area covers most of the northern San Gabriel River Watershed except for the area covered under the Rio Hondo / San Gabriel River Watershed Management Area. The Upper San Gabriel River Watershed Management Group includes the Cities of Baldwin Park, Covina, Glendora, Industry, La Puente, West Covina, and South El Monte; Unincorporated County of Los Angeles; and the Los Angeles County Flood Control District (Figure A-21).

Water Quality in the Upper San Gabriel River Watershed Management Area

Waterbodies in the Upper San Gabriel River Watershed Management Area are listed by the State Board as impaired by heavy metals, toxicity, and FIB, among other contaminants.[257] At least five Regional TMDLs apply to the Upper San Gabriel River Watershed Management Area (Table A-41).

TMDL	TMDL Deadlines														
	2012	..	2015	2016	2017	..	2020	…	2023	…	2026	…	2032	…	2036
SGR Metals (Dry)					30%		70%		100%						
SGR Metals (Wet)					10%		35%		65%		100%				
Harbor Toxics															100%
LA Area Lakes															100%
SGR Bacteria													100%		

Table A-41: *TMDL deadlines for the San Gabriel River (SGR) and the LA Area Lakes that are applicable in the Upper San Gabriel River Watershed Management Area.* The percentages listed in the table are percent load reduction goals for each contaminant. Deadlines designated by "100%" represent a deadline to fully address a particular contaminant. The final deadline for pollutants in the Upper San Gabriel River Watershed Management Area will pass in 2036.

Heal the Bay's 2018 River Report Card showed fairly good water quality within the San Gabriel River Watershed, although there were some exceedances of FIB limits.[258] Overall, 84% of samples from the San Gabriel River Watershed were good (green), 11% were moderate (yellow), and 5% were poor (red). However, the trend in the Los Angeles River watershed is that FIB exceedance rates were lower in the San Gabriel Mountains and significantly higher within the basin. No samples were analyzed within the basin in the San Gabriel River Watershed, so the high grades may be a result of the location of the sampling sites (near the San Gabriel Mountains).[258] There is also evidence that FIB concentrations increased in wet weather, and that concentrations of heavy metals increased in both wet and dry weather throughout the San Gabriel River Watershed from 2002-2017.[259]

Progress towards the Upper San Gabriel River EWMP Goals

Projects Completed

All Projects

	# New/Redevelopment Projects	# Miles of Green Streets	# Other Projects*	Area Addressed (acres)	Total Retention Capacity (AF)
Completed In Reporting Year	51[260]	0[261]	0[262]	69.85[263]	5.19[264]
Completed Since 12/28/12	190[265]	NA[266] (0.51 AF)[267]	57[268]	286.05[269]	13.41[270]
Proposed	NA[271] (164 AF)[272]	349[273] (258 AF)[274]	NA[275]	NA[276]	1,182.59[277]

** "Other Projects" is not defined. For the purposes of this report, it is assumed that this category includes green streets, regional projects, low flow diversions, and other retrofits, but not new/redevelopment projects.*

Table A-42: *Summary of projects completed as of December 2018*. All information about progress "Completed In [2017-2018] Reporting Year" and progress "Completed Since 12/28/12" was collected from the Annual Report and associated attachments. The "Proposed" values represent the goals against which this progress was measured; these goals were derived from information in the EWMP. The only measurements that were provided in units comparable to an established goal were the retention capacity (AF) for green streets specifically, and the "Total Retention Capacity" (AF). See the endnotes on page A-69 for more detail about where each of these values was derived.

Regional Projects

The Annual Report stated that 57 "other projects" were completed since 12/28/12.[268] The County of Los Angeles was the lead jurisdiction on 56 of these projects. However, regional projects were not reported separately in the Annual Report, so we were unable to determine if any regional projects were completed based on the information provided in the Annual Report. A total of eight "signature (or example)" regional projects were proposed in the EWMP.[278]

Retention Capacity (AF)

Total Retention Capacity Since 12/28/12 (AF)	2017 Interim Retention Capacity Goal (AF)	2020 Interim Retention Capacity Goal (AF)	2036 Final Retention Capacity Goal (AF)	% Complete Towards 2017 Interim Goal	% Complete Towards 2020 Interim Goal	% Complete Towards 2036 Final Goal
13.41[270]	0.03[279]	108.84[280]	1,182.59[277]	44,700%[281]	12.32%[282]	1.13%[283]

Table A-43: *Assessment by retention capacity (AF)*. The total retention capacity completed since 12/28/12, reported in the Annual Report, is compared in Table A-43 to the 2017 and 2020 interim goals, and to the 2036 final goal, all derived from information in the EWMP. The percentage complete towards the 2020 interim goal and percentage complete towards the 2036 final goal are expressed visually in Figure A-22. See the endnotes on page A-69 for more detail about where each of these values was derived.

Overall Progress towards Upper San Gabriel River EWMP Goals

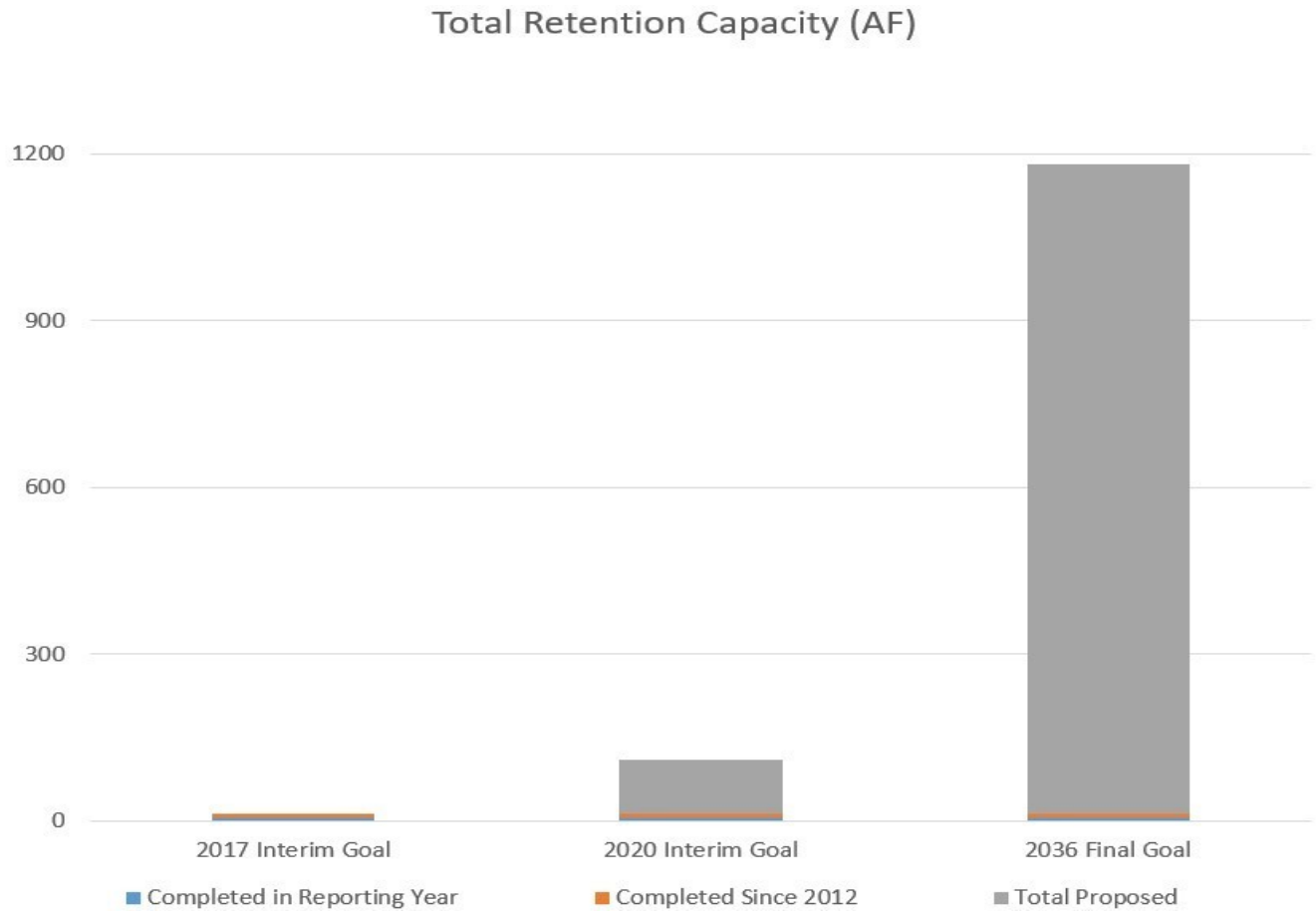

Figure A-22: *Overall progress towards interim and final goals for total retention capacity (AF)*. The Upper San Gabriel River Watershed Management Group achieved a retention capacity of 5.19 AF in the 2017-2018 reporting year (in blue), for a total retention capacity of 13.41 AF since 12/28/12 (in orange). This surpasses the 2017 interim retention capacity goal of 0.03 AF, but leaves a retention capacity of 95.43 AF to be achieved by 2020, and a total retention capacity of 1,169.18 AF of to be achieved by 2036 (in grey).

We attempted to assess progress based on the number of regional projects completed, but this was not possible for several reasons. First, regional projects were not reported separately, but rather lumped into “other projects.” And second, we were not able to find the necessary information to conduct outside research. Based on our review, we were unable to determine whether any regional projects were completed since the effective date of the Permit (12/28/12).

Therefore, our assessment of progress under the Upper San Gabriel River EWMP was based on retention capacity (AF) and not the number of regional projects completed. As of December 2018, the Upper San Gabriel River Watershed Management Group achieved a retention capacity of 13.41 AF since 12/28/12, which is 1.13% complete towards the 2036 final goal of 1,182.59 AF (Table A-43, Figure A-22). This group is in compliance with its 2017 interim deadline. However, there remains a retention capacity of 95.43 AF to be achieved by 2020, and a total retention capacity of 1,169.18 AF to be achieved by 2036. If the current rate of implementation continues, the final 2036 EWMP goal will not be achieved until the year 2542 (Table 1), and the Upper San Gabriel River Watershed Management Group will be out of compliance with applicable TMDLs when the final deadline passes, prolonging the risks to public and environmental health that result from stormwater pollution.

Status of Multi-Year Efforts for the Upper San Gabriel River EWMP[284,285]

Project Name	Lead	Status[284]	(Estimated) Completion Date[285]
Barnes Park	Baldwin Park	Concept	December 2023
Wingate Park (formerly Kahler Russell Park)	Covina	Concept	December 2023
Finkbiner Park	Glendora	Concept	(Not Reported)
Downtown Properties	Glendora	(Not Reported)	December 2023
San Angelo Park	Industry	Concept	2020
La Puente Park	La Puente	Concept	December 2023
Cortez Park	West Covina	Concept	(Not Reported)
Bassett High School	LA County	Concept	(Not Reported)
Bassett Park	LA County	Concept	December 2023
Allen J Martin Park	LA County	Concept	December 2023
Adventure Park (aka Gunn Avenue Park)	LA County	Concept	December 2020

Table A-44: *A summary of the status of "priority" multi-year projects as of December 2018.*

Nearly seven years after Permit adoption in December 2012, ten proposed projects remain in the concept phase. Without an estimated retention capacity for each project, it is not clear that the final AF goal will be reached even if all listed projects are completed. The current rate of implementation is insufficient to reach the final AF goal before the deadline passes, and the current reporting format does not provide enough information to determine what the Upper San Gabriel River Watershed Management Group will do to improve this implementation rate.

[257] *Impaired Water Bodies: Final 2014/2016 California Integrated Report (Clean Water Act Section 303(d) List / 305 (b) Report). 303(d) list – Excel File (includes potential sources).* California Environmental Protection Agency, State Water Resources Control Board. Updated: 4/2/19. Available at: https://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2014_2016.shtml
[258] Heal the Bay. *River Report Card 2018.* 2019. Available at: https://healthebay.org/wp-content/uploads/2019/05/River-Report-Card-2018_final.pdf
[259] Eisenhardt L. and Mueller S. *Los Angeles County Municipal Separate Storm Sewer System (MS4) Time Series Analysis, 2002-2015 [report].* [Santa Barbara, CA]: Bren School of Environmental Science and Management, University of California Santa Barbara; 2018.
[260] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 4, Table 2a. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[261] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 6, Table 2e. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[262] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 4, Table 2a. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[263] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 4, Table 2a. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[264] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 4, Table 2a. It is assumed that this number represents AF of runoff addressed, including runoff captured, treated, and infiltrated. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[265] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 5, Table 2b. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[266] Not reported. Progress was reported in AF (see Endnote 267), but not in number of miles completed.
[267] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 11, Table 3. This value was calculated by adding all of the total numbers listed for green streets. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[268] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 5, Table 2b. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[269] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 5, Table 2b. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[270] Upper San Gabriel River Watershed Management Group Annual Report 2017/18, page 5, Table 2b. It is assumed that this number represents AF of runoff addressed, including runoff captured, treated, and infiltrated. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[271] Not specified in the EWMP. The goal was specified in AF (see Endnote 272), but not in number of projects completed.
[272] Upper San Gabriel River EWMP Group Enhanced Watershed Management Program Plan (Jan. 2016), page 101, Figure 5-1. This number was calculated by adding all LID Structural Control Measure to be Implemented by 2036. Available at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/san_gabriel/upper_san_gabriel/USGRRevisedEWMP_20160114.pdf
[273] Upper San Gabriel River EWMP Group Enhanced Watershed Management Program Plan (Jan. 2016), Appendix C-5, page C-5-1, table C-5-1. This number was calculated by adding up the "total approximate miles of green street BMPs" for the final bacteria TMDL deadline, which is inclusive of the requirements for other TMDL deadlines. Available at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/san_gabriel/upper_san_gabriel/USGRRevisedEWMP_20160114.pdf

[274] Upper San Gabriel River EWMP Group Enhanced Watershed Management Program Plan (Jan. 2016), page 101, Figure 5-1. This value was calculated by adding up all of the values for Total Capacity provided in bold, black print. Available at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/san_gabriel/upper_san_gabriel/USGRRevisedEWMP_20160114.pdf
[275] Not specified in the EWMP.
[276] Not specified in the EWMP.
[277] Upper San Gabriel River EWMP Group Enhanced Watershed Management Program Plan (Jan. 2016), page 108, table 5-1. This was calculated by adding up the 2036 final bacteria goals for all jurisdictions. Available at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/san_gabriel/upper_san_gabriel/USGRRevisedEWMP_20160114.pdf
[278] Upper San Gabriel River EWMP Group Enhanced Watershed Management Program Plan (Jan. 2016), page 51, Table 3-4. Available at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/san_gabriel/upper_san_gabriel/USGRRevisedEWMP_20160114.pdf
[279] Upper San Gabriel River EWMP Group Enhanced Watershed Management Program Plan (Jan. 2016), pages 109-112, Figure 5-6. This value was calculated by adding up all of the numbers listed for each project category under the 2017 interim deadline. Available at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/san_gabriel/upper_san_gabriel/USGRRevisedEWMP_20160114.pdf
[280] Upper San Gabriel River EWMP Group Enhanced Watershed Management Program Plan (Jan. 2016), page 108, Table 5-1. This was calculated by adding up the 2020 interim goals for all jurisdictions. Available at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/san_gabriel/upper_san_gabriel/USGRRevisedEWMP_20160114.pdf
[281] =(13.41/0.03)*100%
[282] =(13.41/108.84)*100%
[283] =(13.41/1,182.59)*100%
[284] Upper San Gabriel River Watershed Management Group Annual Report 2017/18 (2018), page 7. This report was submitted in December, 2018, and yet the items that were anticipated to be completed by the end of 2018 are not identified as completed in this report. Available for download at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/annual_reports.html
[285] Upper San Gabriel River EWMP Group Enhanced Watershed Management Program Plan (Jan. 2016), page 51, Table 3-4. Available at: https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/san_gabriel/upper_san_gabriel/USGRRevisedEWMP_20160114.pdf