Attachment 1

# Final FYs 2019-2022 Basin Plan Triennial Review Priority List and Work Plan

| Issue No. | Issue Description<br><br>Total Maximum Daily Load (TMDL) Related Issue | Estimated TMDL Staff Personnel Years (PYs)[1] | | | |
|---|---|---|---|---|---|
| | | FY[2] 19/20 | FY 20/21 | FY 21/22 | Total PYs |
| 1. | Adopt and review the Basin Plan Amendment (BPA) for the Lake Elsinore and Canyon Lake Nutrient TMDLs. | 0.8 | 0.4 | 0.4 | 1.6 |
| 2. | Adopt the revised Copper TMDLs and non-TMDL Metals Action Plans for zinc, mercury, arsenic, and chromium for Newport Bay. | 1.0 | 0.75 | 0.75 | 2.5 |
| 3. | Consider/develop selenium site-specific objectives (SSOs) for freshwater within the Newport Bay watershed. | 0.2 | 0.2 | 0.2 | 0.6 |
| 4. | Revise the Fecal Coliform TMDLs for Newport Bay:<br>• Separate the recreational (REC) and shell harvesting (SHEL) sections of the TMDL into two TMDLs;<br>• Work with stakeholders to revise the REC TMDL and adopt enterococcus as the fecal indicator bacteria. | 0.35 | 0.25 | 0.25 | 0.85 |
| 5. | Review and revise the nutrient objective for San Diego Creek (part of a nutrient TMDL). | 0.25 | 0.25 | 0.25 | 0.75 |
| 6. | Review and revise or remove the TMDL for sediment in the Newport Bay/San Diego Creek watershed or replace the TMDL with an alternative regulatory approach. | 0.1 | 0.25 | 0.25 | 0.6 |
| 7. | Review and revise the Bacterial Indicator TMDLs for the Middle Santa Ana River Watershed. | 0.2 | 0.4 | 0.4 | 1.0 |

[1] 1 PY = 2,080 hours
[2] FY = State Fiscal Year. Estimated PYs required for each fiscal year of the triennial review

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| Issue No. | Issue Description<br><br>TMDL Related Issue | Estimated TMDL Staff Personnel Years (PYs) | | | |
|---|---|---|---|---|---|
| | | FYs 19/20 | FYs 20/21 | FYs 21/22 | Total PYs |
| 8. | Review and revise the Big Bear Lake water quality standards. May include:<br>• Revision of the total inorganic nitrogen (TIN) and total phosphorus numeric water quality objectives for Big Bear Lake;<br>• Development of objectives for other indicators of impairment;<br>• Development of biocriteria for Big Bear Lake;<br>• Investigation of Sawmill Creek drainage, and possibly add to the TMDL. | 0.2 | 0.7 | 0.5 | 1.2 |
| 9. | Revise the SHEL Newport Bay TMDL. Develop a SHEL objective and incorporate into the TMDL. | -- | 0.2 | 0.3 | 0.5 |
| 10. | Revise the Newport Bay/San Diego Creek Organochlorine compounds TMDL. Consider this TMDL using different numeric objectives for rivers/streams and bays and estuaries by separating the Newport Bay marine system from the San Diego Creek/Peters Canyon Channel (watershed) freshwater system. | 0.35 | 0.35 | 0.4 | 1.1 |
| 11. | Review and possibly develop TMDLs for 303 (d) waters with 2005, 2012 and 2019 TMDL due dates. | 0.2 | 0.2 | 0.2 | 0.6 |
| **TMDL Triennial Review Total PYs** | | **3.65** | **4.15** | **4.10** | **11.90** |

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| Issue No. | Issue Description<br><br>Non-TMDL Related Issue | Estimated Staff Personnel Years (PYs). Bracketed resources from other sources | | | |
|---|---|---|---|---|---|
| | | FYs 19/20 | FYs 20/21 | FYs 21/22 | Total PYs |
| 1. | Add REC1 (water contact recreation) bacteria objectives to be consistent with the State Water Resources Control Board's (State Water Board) adopted bacteria provision into the Basin Plan. | 0.1 | -- | -- | 0.1 |
| 2. | Update the Nitrogen/Total Dissolved Solids (TDS) Salt Management Plan:<br><br>a. Revision of the TDS and TIN wasteload allocations, including considering revisions to the Waste Load Allocation Model (WLAM);<br><br>b. Adoption of the Salt and Nutrient Management Plan for the Upper Temescal Basin;<br><br>c. Adoption of a maximum benefit program for the Elsinore Groundwater Management Zone;<br><br>d. Consideration of the need for/nature of policy regarding TDS compliance during drought conditions;<br><br>e. Amendment of the Basin Plan to revise the implementation program for Inland Empire Utilities Authority (IEUA)/Chino Basin Watermaster. | 1.0 | 0.6 | 0.6 | 2.2 |
| 3. | Complete a review of waters for which REC1 or REC1 and REC2 (non-contact water recreation) beneficial uses were de-designated via approved use attainability analyses (UAAs) to determine if the de-designations remain justified. | 0.1 | -- | -- | 0.1 |
| 4. | Review septic system minimum lot size requirements. Investigate whether eliminating Region-wide minimum lot size requirements will result in a violation of nitrate objectives in groundwater. Consider update to description of current septic system regulations. | -- | 0.1 | -- | 0.1 |

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|---|---|---|---|---|---|
| | | FYs 19/20 | FYs 20/21 | FYs 21/22 | Total PYs |
| 5. | Revise the Quail Valley On-Site Septic Tank-subsurface Disposal System Prohibition. | [0.5][3] | -- | -- | [0.5] [3] |
| 6. | For REC1 bacteria objectives consider the development of region-specific reference/natural sources exclusion policy, development of a limited REC1 use, and/or development of UAAs to remove REC1 for certain waters. | 0.2 | 0.2 | 0.2 | 0.6 |
| 7. | Consider adopting new (2000) Clean Water Act section 304 (a) recommended criteria, which include:<br>• Aquatic Life: acrolein, ammonia, cadmium, carbaryl, copper, diazinon, nonylphenol, selenium freshwater, tributyltin, and;<br>• Human Health: Human Health Criteria Updates for 94 pollutants. | 0.1 | 0.1 | 0.1 | 0.3 |
| 8. | Consider revision of Prado Basin Management Zone boundary to include U.S. Geological Survey Gauge and Below Prado Dam Monitoring Station or change the Santa Ana River (SAR) Reach 2/Reach 3 boundaries to include the monitoring station in Reach 3. | -- | 0.1 | -- | 0.1 |
| 9. | Consider/revise TDS objectives for Rattlesnake, Syphon, and Sand Canyon reservoirs based on use for storage of recycled water. | -- | -- | 0.1 | 0.1 |
| 10. | Revise the Basin Plan to clarify the proper application of certain water quality objectives. | 0.1 | 0.1 | 0.1 | 0.3 |

[3] TMDL Resources

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|---|---|---|---|---|---|
| | | FYs 19/20 | FYs 20/21 | FYs 21/22 | Total PYs |
| 11. | Consider development of Biostimulatory Substances Objective and Program to Implement Biological Integrity:<br>a. Participate with State Water Board staff to develop statewide objectives for biostimulatory substances and an implementation program for biological integrity;<br>b. Incorporate the new objectives and program into the Basin Plan. Review/revise the language in the Basin Plan that relates to biostimulatory substances and biological degradation;<br>c. Consider the development of numeric biological objectives for the Santa Ana Region. | 0.2 | 0.2 | 0.2 | 0.6 |
| 12. | Add to the Basin Plan and designate appropriate beneficial uses and water quality objectives (if applicable):<br>a. List Rhine Channel separately from Lower Newport Bay;<br>b. Consider changing the San Diego Creek reach designations;<br>c. Add reach designations to Peters Canyon Wash;<br>d. Consider waters tributary to Anaheim Bay and Huntington Beach Wetlands: Bolsa, Westminster, East Garden Grove Wintersburg, Huntington Beach, Talbert, and Anaheim Barber Channels. | 0.1 | 0.1 | 0.1 | 0.3 |

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|---|---|---|---|---|---|
| | | FYs 19/20 | FYs 20/21 | FYs 21/22 | Total PYs |
| 13. | Update the Basin Plan's Chapter 2 by adding currently approved Statewide plans and policies. | -- | 0.2 | -- | 0.2 |
| 14. | Update and revise the narrative Programs/Policies in the Basin Plan.<br><br>a. Update "Disposal of Hazardous and Nonhazardous Waste" in Chapter 5 to reflect loss of Solid Wastewater Quality Test (SWAT) program;<br><br>b. Update Spills, Leaks, Investigations, and Cleanups (SLIC) Program Discussion;<br><br>c. Update Animal Confinement Facilities (Dairies and Related Facilities) discussion in Chapter 5;<br><br>d. Update Nonpoint Source (NPS) Program discussion in Chapter 5;<br><br>e. Update narrative on efforts to remediate groundwater contamination from perchlorate, Underground Storage Tanks (USTs), and other sources in the region in Chapter 5;<br><br>f. Update the Wetlands Section in Chapter 3 and discussion of the Santa Ana Water Board's 401 Certification process in Chapter 5. Include USEPA, State Board, CDFW, and USACE wetland and waters of the State regulatory measures. Update the discussion of the Region's treatment and mitigation wetlands. | -- | 0.2 | 0.1 | 0.2 |
| 15. | Update and revise the Monitoring and Assessment Chapter 7 to include current regional activities, such as, an update of the Prado Basin monitoring. | -- | 0.1 | 0.1 | 0.1 |

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|---|---|---|---|---|---|
| | | FYs 19/20 | FYs 20/21 | FYs 21/22 | Total PYs |
| 16. | Consider updating Basin Plan maps. Add State Water Board and Santa Ana Water Board digital or other maps to the Basin Plan to show surface and groundwaters and the water quality standards that apply to them. Include related hydrology boundary and spatial data layers that reflect current data. | -- | -- | 0.1 | 0.1 |
| 17. | Review chemical oxygen demand (COD) objectives for inland surface waters. | -- | 0.1 | 0.1 | 0.2 |
| 18. | Consider deletion or revision of established SSOs for copper, cadmium, and lead for the SAR and tributaries. Consider SSOs for aluminum, chlorine, and cyanide for the SAR and tributaries. | -- | -- | 0.2 | 0.2 |
| 19. | Identify freshwaters that support early life stages of salmonids and adoption of pentachlorophenol (PCP) water quality objectives. | 0.1 | -- | 0.1 | 0.1 |
| 20. | Add adopted BPAs to the electronic Basin Plan. | 0.1 | -- | 0.1 | 0.3 |
| **Total Non-TMDL Triennial Review Total PYs** | | **2.1** | **2.3** | **2.2** | **6.6**[4] |

[4] Some percent of PYs from TMDL or other programs