Region 1 – North Coast Regional Water Board NPS Program Preferences

TMDL Watershed	TMDL Constituent(s) Implementation Projects	TMDL Constituent(s) Planning Projects
Klamath River (Middle, Lower Hydrologic Areas) [1]	Nutrients: Engineered nutrient treatment/ removal, passive or active, projects; pilot scale, or full scale implementation, nutrient management/control projects	Nutrients: Engineered nutrient treatment/ removal, passive or active; projects may include planning/feasibility studies.
Shasta River[1, 3]	Temperature and dissolved oxygen (DO): Upper watershed restoration, enhancement, protection projects targeting temperature and/or DO.	Temperature and dissolved oxygen: Especially planning efforts to implement temperature reduction opportunities, tailwater return minimization, outreach to Little Shasta landowners with prioritization of proposed projects; barrier removal/impoundment removal for DO;irrigation water management/conservation; riparian enhancement; monitoring; education/outreach; tracking and reporting; water trust; cold water dedication strategy.
Klamath (Middle, Lower Hydrologic Areas), Lost, Shasta, Scott Rivers[1]	Nutrient, temperature, dissolved oxygen, microcystin impairments: Projects assisting in ranch plan implementation.	Nutrient, temperature, dissolved oxygen, microcystin impairments: Projects assisting in ranch plan development.
Klamath River (Middle, Lower Hydrologic Areas) [1]	Temperature: Thermal refugia (including effects of excess sediment) improvement/enhancement/ protection projects in high priority areas, as identified in TMDL action plan.	
Klamath River (Middle, Lower Hydrologic Areas) [1]	Nutrient, temperature, dissolved oxygen, microcystin impairments: Restoration projects targeting one or more TMDL pollutants; preference will be given to projects that have been identified through a systematic, comprehensive assessment/ prioritization process.	
Laguna de Santa Rosa, Stemple Creek, and Estero de San Antonio[1]	Ammonia and Dissolved oxygen: Dairy pollutant control, enhancement, or improvement projects; restoration projects associated with water quality impacts from dairies.	Ammonia and dissolved oxygen: Dairy pollutant control, enhancement, or improvement projects; restoration projects associated with water quality impacts from dairies.

TMDL Watershed	TMDL Constituent(s) Implementation Projects	TMDL Constituent(s) Planning Projects
Scott River[1, 3]	Sediment[2], temperature: Especially riparian fencing and other measures to manage livestock for protection of riparian vegetation and reduction of sediment and nutrient discharges.	Sediment, temperature: Especially planning efforts to prioritize sediment reduction opportunities, considering past efforts and beneficial uses, other sediment reduction assessments.
Garcia River[1, 3]	Sediment – Road decommissioning, riparian restoration, and stream bank stabilization projects to reduce respectively, external and internally generated sediment sources[2]	Sediment
Salmon River[1]	Temperature	Temperature
Trinity River – Lower HA, Middle HA, Upper HA, and South Fork[1]	Sediment[2]	Sediment
Lower Eel River[1]	Sediment[2], Temperature: Dairy pollutant control, enhancement or improvement projects; restoration projects associated with water quality impacts from dairies	Sediment, Temperature: Dairy pollutant control, enhancement or improvement projects; restoration projects associated with water quality impacts from dairies
Mad River	Sediment[2]/turbidity	Sediment/turbidity
Noyo River	Sediment[2]	Sediment
Ten Mile River	Sediment[2]	Sediment
Albion River	Sediment[2]	Sediment

[1] Specific types of projects that are a higher priority for Region 1 for the 2012 RFP cycle
[2] For the 2012 RFP cycle, *implementation projects targeting sediment* may include road decommissioning and/or may address sediment sources other than roads; road improvement/upgrade/stormproofing projects for industrial logging roads will be disqualified.
[3]EPA Measure W watersheds (Shasta River, Garcia River, and two tributaries in the Upper Scott River watershed: French Creek and Moffett Creek)

Region 2 – San Francisco Bay Regional Water Board NPS Program Preferences

TMDL Watershed	TMDL Constituent(s) Implementation Projects	TMDL Constituent(s) Planning Projects
Tomales Bay (including Lagunitas Creek and other tributaries):	Pathogens: Implement Management Practices (MPs) according to ranch water quality plans (RWQPs) (grazing and dairy waiver requirements). Projects to implement measures to address pollutant impacts from septic systems. .	Pathogens: Water quality monitoring in Tomales Bay, including West Shore, East Shore, and tributaries, to identify specific pathogen sources, including septic and animal waste (i.e., grazing/horse ranch facilities) that will lead to prioritizing actions for source reduction.
Walker Creek	Mercury: Implement MPs according to RWQPs (grazing and dairy waiver requirements).	
Sonoma Creek	Sediment: Develop and implement vineyard management plans. Specifically, develop third party or technical assistance programs to assist with farm/vineyard plan development and implementation.	Sediment: Develop and implement vineyard management plans. Specifically, develop third party or technical assistance programs to assist with farm/vineyard plan development and implementation.
	Sediment: Implement reach-scale habitat restoration and sediment reduction projects.	
Sonoma Creek	Pathogens, Sediment: Develop RWQPs and implement MPs for grazing lands and dairies. Develop third party or technical assistance programs to assist with RWQP development and implementation.	Pathogens, Sediment: Develop RWQPs and implement MPs for grazing lands and dairies. Develop third party or technical assistance programs to assist with RWQP development and implementation.

TMDL Watershed	TMDL Constituent(s) Implementation Projects	TMDL Constituent(s) Planning Projects
Napa River	Sediment: Develop and implement sediment control and habitat enhancement actions. Specifically, develop third party or technical assistance programs to assist with farm/vineyard plan development and implementation.	Sediment: develop third party or technical assistance programs to assist with farm/vineyard plan development and/or to evaluate BMP performance in pilot areas or basin-wide.
	Sediment: Implement vineyard management plans.	Sediment and restoring in-stream channel complexity as called for in Sediment TMDL SEP: Develop plans for restoration of the Upper Napa River in reaches that have not yet been addressed.
	Sediment: Implement reach-scale projects to restore stream-riparian habitat complexity and connection to floodplains, and to balance fine and coarse sediment budgets.	Sediment, Pathogens: Develop RWQPs and implement MPs for grazing lands. Develop third party or technical assistance programs to assist with RWQP development and implementation.
	Sediment: Channel incision adaptation project at Zinfandel Lane Crossing to address impacts of channel incision on habitat access and sediment transport dynamics.	
	Sediment, Pathogens: Develop RWQPs and implement MPs for grazing lands. Develop third party or technical assistance programs to assist with RWQP development and implementation.	
Guadalupe River (including tributaries):	Mercury: Mining waste remediation and erosion control.	Mercury: Lake oxygenation feasibility study & design.
	Mercury: Stream bank stabilization.	Mercury: Planning, design, and prioritization for bank stabilization, calcine removal where feasible, and restoration of Alamitos Creek.

Region 3 – Central Coast Regional Water Board NPS Program Preferences

TMDL Watershed	TMDL Constituent Implementation Projects	TMDL Constituent Planning Projects
San Lorenzo River and impaired tributaries	Sediment: Implement and track management measures on rural roads (private and public) using site selection tools. This will require implementing road improvement projects in priority / impaired areas designed to address sediment loading for compliance with adopted TMDLs. This excludes all activities on active logging roads except decommissioning.	
Salinas River	Nutrients: Implement nutrient management measures in Farm Water Quality Plans, including irrigation management measures to reduce or eliminate irrigation runoff and possible percolation of nutrients to groundwater. Pesticides: Implement pesticide and sediment control management measures in Farm Water Quality Plans, including irrigation management measures to reduce or eliminate irrigation runoff and associated toxicity, and possible percolation of pesticides to groundwater. Fecal Coliform: Implement management measures in Ranch Water Quality Plans to reduce bacterial discharges.	Fecal Coliform: Conduct Rangeland Implementation Planning in priority / impaired areas with adopted TMDLs, including an assessment of 1) status of current implementation of rangeland management measures for lands with commercial livestock operations, 2) assessment of existing ranch plans, and 3) stakeholder outreach to ultimately achieve compliance with Animal Waste Discharge Prohibitions. This will require developing an Implementation Plan of domestic animal waste management.
Pajaro River (including Llagas Creek and impaired tributaries)	Nitrate: Implement nutrient management measures in Farm Water Quality Plans, including irrigation management measures to reduce or eliminate irrigation runoff and possible percolation of nutrients to groundwater.	Bacteria: Conduct Rangeland Implementation Planning in priority / impaired areas with adopted TMDLs, including an assessment of 1) status of current implementation of rangeland management measures for lands with commercial livestock operations, 2) assessment of existing ranch plans, and 3)

TMDL Watershed	TMDL Constituent Implementation Projects	TMDL Constituent Planning Projects
	Sediment: Implement sediment management measures to reduce sediment discharges.	stakeholder outreach to ultimately achieve compliance with Animal Waste Discharge Prohibitions. This will require developing an Implementation Plan of domestic animal waste management. Sediment: Prioritize specific sites for implementation based on existing TMDL prioritized areas and develop site-specific measures to reduce/eliminate quantified amount of sediment load to ultimately achieve the Land Disturbance Prohibitions.
Watsonville Slough		Bacteria: Conduct Rangeland Implementation Planning in priority / impaired areas with adopted TMDLs, including an assessment of 1) status of current implementation of rangeland management measures for lands with commercial livestock operations, 2) assessment of existing ranch plans, and 3) stakeholder outreach to ultimately achieve compliance with Animal Waste Discharge Prohibitions. This will require developing an Implementation Plan of domestic animal waste management.
Lower San Antonio River	Pathogens: Implement management measures in Ranch Water Quality Plans to reduce bacterial discharges.	Pathogens: Develop Ranch Plans to reduce bacterial discharges.
Tularcitos Creek	Pathogens: Implement management measures in Ranch Water Quality Plans to reduce bacterial discharges.	Pathogens: Develop Ranch Plans to reduce bacterial discharges.
Chalome Creek	Pathogens: Implement management measures in Ranch Water Quality Plans to reduce bacterial discharges.	Pathogens Develop Ranch Plans to reduce bacterial discharges.
San Lorenzo Creek	Pathogens: Implement management measures in Ranch Water Quality Plans to reduce bacterial discharges.	Pathogens: Develop Ranch Plans to reduce bacterial discharges.

TMDL Watershed	TMDL Constituent Implementation Projects	TMDL Constituent Planning Projects
Arroyo de la Cruz	Pathogens: Implement management measures in Ranch Water Quality Plans to reduce bacterial discharges.	Pathogens: Develop Ranch Plans to reduce bacterial discharges.
Morro Bay	Fecal Coliform: Implement management measures in Ranch Water Quality Plans to reduce bacterial discharges. Sediment: Implement sediment management measures to reduce sediment discharges.	Fecal Coliform: Conduct Rangeland Implementation Planning in priority / impaired areas with adopted TMDLs, including an assessment of 1) status of current implementation of rangeland management measures for lands with commercial livestock operations, 2) assessment of existing ranch plans, and 3) stakeholder outreach to ultimately achieve compliance with Animal Waste Discharge Prohibitions. This will require developing an Implementation Plan of domestic animal waste management.
Santa Maria River and Estuary, Orcutt-Solomon Creek and Oso Flaco Creeks and Lake	Nutrients: Implement nutrient management measures in Farm Water Quality Plans, including irrigation management measures to reduce or eliminate irrigation runoff and possible percolation of nutrients to groundwater. Pesticides: Implement pesticide and sediment control management measures in Farm Water Quality Plans, including irrigation management measures to reduce or eliminate irrigation runoff and associated toxicity, possible percolation of pesticides to groundwater. Fecal Coliform: Implement management measures in Ranch Water Quality Plans to reduce bacterial discharges.	Total and Fecal Coliform: Conduct Rangeland Implementation Planning in priority / impaired areas with adopted TMDLs, including an assessment of 1) status of current implementation of rangeland management measures for lands with commercial livestock operations, 2) assessment of existing ranch plans, and 3) stakeholder outreach to ultimately achieve compliance with Animal Waste Discharge Prohibitions. This will require developing an Implementation Plan of domestic animal waste management.

Region 4 – Los Angeles Regional Water Board NPS Program Preferences

TMDL Watershed	TMDL Constituent(s) Implementation Projects	TMDL Constituent(s) Planning Projects
Calleguas Creek	Constituents: Nutrients, salts, metals, pesticides and PCBs Sources: Irrigated agriculture	
Santa Clara River	Constituents: Nutrients, salts, pesticides, and bacteria Sources: Irrigated agriculture, horses/livestock, onsite wastewater treatment systems	Constituents: Nutrients and bacteria Sources: Horses/livestock, onsite wastewater treatment systems
McGrath Lake	Constituents: Pesticides and PCBs Sources: Irrigated agriculture	
Ventura River	Constituents: Nutrients Sources: Irrigated agriculture, horses/livestock, onsite wastewater treatment systems	
San Gabriel River	Constituents: Metals Sources: Irrigated agriculture, open space runoff	Constituents: Metals Sources: Irrigated agriculture, open space runoff
Los Angeles River Reach 6 and Tributaries (Los Angeles River Metals TMDL)	Constituents: Selenium Sources: Erosion, open space runoff	Constituents: Selenium Sources: Erosion, open space runoff

Region 5 – Central Valley Regional Water Board NPS Program Preferences

TMDL Watershed	TMDL Constituent(s) Implementation Projects	TMDL Constituent(s) Planning Projects
Cache Creek	Mercury	Mercury
Sacramento-San Joaquin delta	Mercury, chlorpyrifos/diazinon, dissolved oxygen, salt	Mercury, dissolved oxygen, salt
Lower San Joaquin River	Chlorpyrifos, diazinon, dissolved oxygen, selenium, salt	Dissolved oxygen, selenium, salt
Clear Lake	Mercury and nutrients	Mercury and nutrients
Sacramento River	Chlorpyrifos and diazinon	
Upper Sacramento River	Cadmium, copper and zinc	Cadmium, copper and zinc
Feather River	Chlorpyrifos and diazinon	
Grassland Marshes	Selenium	Selenium
Salt Slough	Selenium	Selenium

Region 6 – Lahontan Regional Water Board NPS Program Preferences

TMDL Watershed	TMDL Constituent(s) Implementation Projects	TMDL Constituent(s) Planning Projects
Blackwood Creek		Constituents: sediment Sources: defunct gravel mining. e.g, post-restoration monitoring for effectiveness .
Indian Creek Reservoir (includes upper Indian Creek watershed and the watershed downstream of the diversion point from the West Fork Carson River.)		Constituents: phosphorus Sources: historic wastewater disposal; channel erosion, *e.g. identification and assessment of watershed for external phosphorus loading sites and suggested management practices for phosphorus control
Squaw Creek	Constituents: sedimentation/siltation Sources: hydromodification/land development	Constituents: sedimentation/siltation Sources: hydromodification/land development
Tahoe, Lake	Constituents: nitrogen, phosphorus, fine sediment Sources: urban, forests, atmosphere, stream channel erosion, shoreline erosion	Constituents: nitrogen, phosphorus, fine sediment Sources: urban, forests, atmosphere, stream channel erosion, shoreline erosion
Truckee River (includes Bronco and Gray Creeks)	Constituents: sediment Sources: dirt roads, urban areas, legacy erosion sites	Constituents: sediment Sources: dirt roads, urban areas, legacy erosion sites *e.g.for Martis Creek bioassessment, turbidity continuous sampling, rapid assessments to inform TMDL implementation

Region 7 – Colorado River Regional Water Board NPS Program Preferences

TMDL Watershed	TMDL Constituent(s) Implementation Projects	TMDL Constituent(s) Planning Projects
Alamo River	Sediment	Sediment, chlorpyrifos and diazinon
New River	Sediment, bacteria, trash	Sediment, bacteria, trash, chlorpyrifos and diazinon
Imperial Valley Drains	Sediment	Sediment, chlorpyrifos and diazinon

Region 8 – Santa Ana Regional Water Board NPS Program Preferences

TMDL Watershed	TMDL Constituent(s) – Implementation Projects (Source)	TMDL Constituent(s) -specific and/or other Planning Projects**
San Jacinto / Canyon Lake	Nutrients - 1. Mgmt. of ag. and rural sources 2. Update inventory of ag. dischargers and implement ag. BMPs 3. Mgmt. of NPS in-lake legacy pollutant loads identified by load allocations in TMDLs	Plans and studies required by TMDL
San Jacinto / Lake Elsinore	Nutrients - 1. Mgmt. of ag. and rural sources 2. Update inventory of ag. dischargers and implement ag. BMPs 3. Mgmt. of NPS in-lake legacy pollutant loads identified by load allocations in TMDLs	Plans and studies required by TMDL
Big Bear Lake	Nutrients/sediment - 1. Forest road improvements 2. Mgmt. of NPS in-lake legacy pollutant loads identified by load allocations in TMDLs	Nutrients/sediment - Development of nutrient biocriteria called for in TMDL All TMDL constituents- ***Identify and prepare watershed planning elements needed to create a plan that conforms to EPA's 9 key elements for a watershed plan.*

TMDL Watershed	TMDL Constituent(s) – Implementation Projects (Source)	TMDL Constituent(s) -specific and/or other Planning Projects**
Big Bear Lake	Mercury – 1. Soil stabilization 2. Detention basins 3. Mgmt. of NPS in-lake legacy pollutant loads identified by load allocations in TMDLs	
Newport Bay and tributaries	Selenium (TMDL under development)	Selenium – ** *Develop Selenium management plan for Big Cyn. Wash, tributary to Newport Bay – identify sources and potential remediation options.*[1]
Newport Bay and tributaries	1. Organochlorine (OC) compounds 2. San Diego Creek – Chlorpyrifos, Diazinon, Dieldrine, DDT, PCBs, Toxaphene 3. Upper Newport Bay - Chlorpyrifos, Chlordane, DDT, PCBs 4. Lower Newport Bay and Rhine Channel- Chlordane, Dieldrin, DDT, PCBs	
Upper Newport Bay and tributaries	Diazinon, chlorpyrifos	
Newport Bay	Copper, Cadmium, Zinc, Mercury, Lead, Selenium	Copper, Cadmium, Zinc, Mercury, Lead, Selenium ***Sediment linkage study to determine source(s) of metals loads in sediment carried by tributaries from undeveloped, managed open space adjacent to MS4 co-permittees' corporate boundaries; prioritize source areas; identify potential management measures (MM) and sites for MM implementation.*

[1] See County of Orange "MS4" permit *http://www.waterboards.ca.gov/santaana/board_decisions/adopted_orders/orders/2009/09_030_OC_MS4_as_amended_by_10_062.pdf*
Se study and programs referred to on page 72 and 73 of 93 of the MS4 permit apply to the San Diego Creek watershed and waters of Newport Bay. This project preference applies to the watershed area that drains into Newport Bay, and not to either the San Diego Creek watershed or the waters of Newport Bay.

TMDL Watershed	TMDL Constituent(s) – Implementation Projects (Source)	TMDL Constituent(s) -specific and/or other Planning Projects**
Newport Bay and tributaries (TMDLs for sediment in Newport Bay/San Diego Ck. Watershed)	Sediment[2] - 1. Stabilization of eroding drainages in designated open space areas (Borrego, Bee, Round, and Hicks Canyons). 2. Restoration of native vegetation and "stormproofing" unpaved roads and trails in foothill open space areas.	
Newport Bay (and tributaries) (Nutrient TMDL for the Newport Bay/San Diego Ck. Watershed)	Nutrients	Nutrients

** ***IMPORTANT: Specific planning projects identified for this watershed are italicized. Contact Santa Ana Regional Water Board NPS Program contact (see Appendix G of the Guidelines) staff for further information about these planning project preferences***.

Region 9 – San Diego Regional Water Board Preferences

TMDL Watershed	TMDL Constituent(s) Implementation Projects	TMDL Constituent(s) Planning Projects
Shelter Island Yacht Basin	Copper 1. Passive leaching from Copper Hull based Paints 2. Hull Cleaning 3. Air Deposition	Copper 1. Passive leaching from Copper Hull based Paints 2. Hull Cleaning 3. Air Deposition

[2] See County of Orange MS4 permit *http://www.waterboards.ca.gov/santaana/board_decisions/adopted_orders/orders/2009/09_030_OC_MS4_as_amended_by_10_062.pdf*
Finding 8 (page 3 of 93) states: "This order is intended to regulate the discharge of pollutants in urban storm water runoff from anthropogenic (generated from human activities) sources and/or activities within the jurisdiction and control of the permittees and is not intended to address background or naturally occurring pollutants or flows" (emphasis added). Therefore, non-point source discharges (that are anthropogenic by definition) from open space areas not associated with urban storm water runoff pollutant loads are not covered by the permit.

TMDL Watershed	TMDL Constituent(s) Implementation Projects		TMDL Constituent(s) Planning Projects	
Rainbow Creek	Nitrate * 1. Orchards 2. Commercial Nurseries 3. Ag Fields 4. Non-Urban Residential	Phosphorus * 1. Commercial Nurseries 2. Ag Fields 3. Orchards 4. Non-Urban Residential	Nitrate * 1. Orchards 2. Commercial Nurseries 3. Ag Fields 4. Non-Urban Residential	Phosphorus * 1. Commercial Nurseries 2. Ag Fields 3. Orchards 4. Non-Urban Residential
Beaches in San Diego County	Indicator bacteria** 1. Agriculture 2. Horse Ranches 3. Dairy / Livestock		Indicator bacteria** 1. Agriculture 2. Horse Ranches 3. Dairy / Livestock	
Lagoons: Los Penasquitos	Sediment		Sediment	

*Land uses are prioritized based on ambient monitoring data results and proximity to the creek. Actual load amounts from Non-Urban residential sources are lower in priority than agricultural land uses because the residential properties in this watershed are homes with orchards on the properties not the typical suburban neighborhood with manicure lawns and sidewalks, rendering their potential to contribute sources of nitrate and phosphorus lower than that of agriculture. Orchards are lower in priority for phosphorus because of limited phosphorus transport due to low erosion.

** In the Lower San Juan HSA, San Luis Rey HU, San Marcos HA, and San Dieguito HA watersheds agriculture, livestock, and horse ranch facilities generate more than 5% of the total wet weather load for all three indicator bacteria.