

**2018 Nonpoint Source Grant Program Guidelines**  
**Clean Water Act section 319(h) and Timber Regulation and Forest Restoration Fund**

**D. 2018 Nonpoint Source Program Preferences**

**North Coast Region**

TMDL Watershed	Implementation Projects TMDL Constituent(s)
Elk River	<p><u>Sediment</u>: Implement management measures to address sediment. Projects may include one or more of the following:</p> <ul style="list-style-type: none"> <li>• Sediment remediation measures</li> <li>• Off-channel sediment detention basins</li> <li>• Levee construction or modification</li> <li>• Vegetation management</li> <li>• Infrastructure improvements</li> <li>• Creation of inset floodplains</li> <li>• Restoration and reconnection of floodplain with the river</li> <li>• High flow channels</li> <li>• Placement of instream large woody debris</li> </ul>
Scott River and Shasta River	<p><u>Nutrient/Sediment/Temperature</u>: Restore riparian vegetation and reconnect floodplains to restore natural functions of the river for improved water quality, increased flood protection, increased riparian shade, and reduced stream bank erosion. The projects may include one or more of the following components:</p> <ul style="list-style-type: none"> <li>• Relocating fencing to expand riparian zones</li> <li>• Development of riparian grazing plans</li> <li>• Restoration of riparian vegetation, including bioengineering approaches</li> <li>• Increasing bank stability by reducing the slope of streambanks</li> <li>• Manipulation of streambed or stream banks to increase connectivity of the channel with the floodplain</li> </ul>
Shasta River, Scott River, South Fork Trinity River, South Fork Eel River	<p><u>Temperature</u>: Implement management measures or practices to reduce instream water temperatures through tailwater reduction, cold water spring connection, rainwater capture, offstream storage, recharge, flow augmentation, and/or riparian shade restoration projects.</p>
Sediment-Impaired Watersheds in the North Coast Region	<p><u>Sediment</u>: Implement management measures or practices to reduce sediment discharges to surface waters from unpaved roads, landings, watercourse crossings, and other similar infrastructure. Implement large wood augmentation or enhancement projects. Projects should be focused in and along watercourses that provide salmonid habitat. The projects must include on the ground implementation and may also include one or more of the following components:</p> <ul style="list-style-type: none"> <li>• Project-specific planning, design, or permitting</li> <li>• Coordination with watershed partners</li> <li>• Upslope implementation, riparian, or instream water quality monitoring and reporting to assess effectiveness and provide feedback for adaptive management</li> </ul>

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**San Francisco Bay Region**

TMDL Watershed	Implementation Projects TMDL Constituent(s)
Tomales Bay (including tributaries)	<u>Pathogens</u> : Design and implement management measures/management practices according to ranch water quality plans (Ranch Plans), manure management plans (Manure Plans), and nutrient management plans (Nutrient Plans) developed to comply with grazing waiver, dairy and equestrian facility permit requirements.
	<u>Sediment</u> : Design and implement sediment reduction management measures/management practices as per Lagunitas Creek sediment TMDL, including but not limited to: creation of floodplain and secondary channels, the addition of large woody debris (LWD), and road sediment reduction projects
Walker Creek	<u>Mercury</u> : Implement management measures/management practices according to ranch water quality plans (Ranch Plans) developed to comply with the grazing waiver and dairy permit requirements.
Sonoma Creek	<u>Pathogens</u> : Design and implement management measures/management practices according to Ranch Plans, Manure Plans, and Nutrient Plans developed to comply with grazing waiver and dairy permit requirements.
	<u>Sediment</u> : Develop and implement vineyard management plans and road sediment reduction plans and management practices per the Sonoma Creek sediment TMDL; implement reach-scale projects to restore stream-riparian habitat complexity and connection to floodplains, and to balance fine and coarse sediment budgets per the Sonoma Creek sediment TMDL.
	<u>Sediment</u> : Develop and implement management measures/ management practices for fire related non-point source pollutants and debris management.
Napa River	<u>Sediment</u> : Develop and implement vineyard management plans and rural road sediment reduction plans and management practices per the Napa River sediment TMDL; implement reach-scale projects to restore stream-riparian habitat complexity and connection to floodplains, and to balance fine and coarse sediment budgets per the Napa River sediment TMDL.
	<u>Sediment</u> : Develop and implement management measures/ management practices for fire related non-point source pollutants and debris management.
Guadalupe River (including tributaries)	<u>Mercury</u> : Develop and implement mining waste remediation and erosion control per the Guadalupe River Mercury TMDL.
	<u>Mercury</u> : Develop and implement stream bank stabilization.
Pescadero-Butano sediment TMDL	<u>Sediment</u> : Develop and implement unpaved road sediment reduction plans and management practices per the Pescadero-Butano watershed sediment TMDL
	<u>Sediment</u> : Develop and implement erosion control plans and implement management practices to control surface erosion from grazing land and non-grazing farmland per the Pescadero-Butano watershed sediment TMDL.
	<u>Sediment</u> : Implement reach-scale projects to restore stream-riparian habitat complexity and connection to floodplains, and to balance the sediment budget per the Pescadero-Butano watershed sediment TMDL.

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**Central Coast Region**

<b>TMDL Watershed</b>	<b>Implementation Projects TMDL Constituent(s)</b>
Pajaro	<p><u>Nutrients:</u> Implement management measures in some or all of the priority TMDL subwatersheds (e.g. Pajaro, Watsonville, Pinto, Tequisquita, Llagas, Corralitos, Salsipuedes, Carnadero, Uvas, and/or San Juan) to reduce or mitigate for nutrient discharges to impaired waterbodies. Implement stream buffers along priority waterbodies to improve riparian and aquatic habitats, pollutant filtration, and watershed functions. Update, as needed, streamlined permit for implementation projects.</p> <p><u>Pesticides and toxicity:</u> Implement management measures in some or all of the priority TMDL subwatersheds (e.g. Pajaro, Llagas downstream of reservoir) to reduce or mitigate for toxicity and pesticide discharges to impaired waterbodies. Implement stream buffers along priority waterbodies to improve riparian and aquatic habitats, pollutant filtration, and watershed functions. Update, as needed, streamlined permit for implementation projects.</p>
Salinas (Lower)	<p><u>Nutrients:</u> Implement management measures in some or all of the priority TMDL subwatersheds (e.g. Moro Cojo Slough, Blanco Drain, Old Salinas River/Tembladero and its tributaries such as Reclamation Canal, Gabilan Creek, Santa Rita Creek, Natividad Creek, Alisal Creek, Espinosa Slough, Alisal Slough; Merrit Ditch and in Quail Creek and/or Chualar Creek; and tributaries to San Felipe Lake and Millers Canal; and/or Carr Lake) to reduce or mitigate for nutrient discharges to impaired waterbodies. Implement stream buffers along priority waterbodies to improve riparian and aquatic habitats, pollutant filtration, and watershed functions. Establish streamlined permit for implementation projects.</p> <p><u>Pesticides and Toxicity:</u> Implement management measures in some or all of the priority TMDL subwatersheds (e.g. Old Salinas River, Tembladero, Salinas Reclamation, Alisal, and/or Quail) to reduce or mitigate for toxicity and pesticide discharges to impaired waterbodies. Implement stream buffers along priority waterbodies to improve riparian and aquatic habitats, pollutant filtration, and watershed functions. Establish streamlined permit for implementation projects.</p>
Santa Maria / Oso Flaco	<p><u>Nutrients:</u> Implement management measures in some or all of the priority TMDL subwatersheds (e.g. Oso Flaco, Orcutt/ Solomon, Bradley, Main Street Canal, Green Valley and/or Lower Santa Maria) to reduce or mitigate for nutrient discharges to impaired waterbodies. Implement stream buffers along priority waterbodies to improve riparian and aquatic habitats, pollutant filtration, and watershed functions. Establish streamlined permit for implementation projects.</p> <p><u>Pesticides and Toxicity:</u> Implement management measures in some or all of the priority TMDL subwatersheds (e.g. Oso Flaco, Orcutt/Solomon, and/or Lower Santa Maria) to reduce or mitigate for toxicity, and pesticide and sediment discharges to/in impaired waterbodies. Implement stream buffers along priority waterbodies to improve riparian and aquatic habitats, pollutant filtration, and watershed functions. Establish streamlined permit for implementation projects.</p>

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<b>TMDL Watershed</b>	<b>Implementation Projects TMDL Constituent(s)</b>
Streams supporting anadromous fisheries	Implement management measures for healthy aquatic habitat protection, through the correction of degradation and the restoration of riparian buffer areas along sensitive impaired waterbodies and their tributaries, to support all designated beneficial uses (particularly those supporting threatened and endangered anadromous steelhead and Coho salmon fisheries e.g. Pajaro River, San Lorenzo River, Morro Bay, and/or other waterbodies draining to sensitive coastal and marine areas, such as Critical Coastal Areas), and to implement activities aligned with existing watershed-based plans and to meet all water quality objectives and TMDL requirements. Establish and utilize wetland and riparian assessment protocols to identify sites and evaluate project effectiveness in protecting and enhancing water quality and anadromous fish habitat.

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**Los Angeles Region**

<b>TMDL Watershed</b>	<b>Implementation Projects TMDL Constituent(s)</b>
Calleguas Creek	<u>Nutrients and pesticides:</u> Implement, at individual farms or regional sites, sediment retention management practices, infiltration/filtration management practices, tailwater recovery systems, tile drain treatment systems, irrigation management practices, and nutrient management practices.
Santa Clara River	<u>Nutrients and pesticides:</u> Implement, at individual farms or regional sites, sediment retention management practices, infiltration/filtration management practices, tailwater recovery systems, tile drain treatment systems, irrigation management practices, and nutrient management practices.
Malibu Creek	<u>Nutrients and sediment:</u> Implement sediment retention management practices, nutrient management practices, and irrigation management practices at farms. <u>Nutrients and sediment:</u> Implement manure management practices and runoff reduction management practices at horse/livestock facilities and ranches. <u>Sediment:</u> Implement sediment reduction management measures and stream-riparian habitat restoration projects.
McGrath Lake	<u>Pesticides:</u> Implement sediment retention management practices, filtration management practices, tailwater recovery systems, tile drain treatment systems, irrigation management practices, and nutrient management practices.
Ventura River	<u>Nutrients and pesticides:</u> Implement nutrient management practices, irrigation management practices, sediment retention management practices, and filtration management practices.

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**Central Valley Region**

<b>TMDL Watershed</b>	<b>Implementation Projects TMDL Constituent(s)</b>
Sacramento-San Joaquin Delta	<p><u>Mercury</u>: Implement best management practices to minimize methylmercury production and discharge from irrigated agriculture, managed wetlands, and open water in the Delta and Yolo Bypass.</p> <p><u>Chlorpyrifos, diazinon and pyrethroids</u>: Implement management practices to reduce toxicity and pesticide discharges to impaired waterbodies.</p>
San Joaquin River	<p><u>Chlorpyrifos, diazinon and pyrethroids</u>: Implement management practices to reduce toxicity and pesticide discharges to impaired waterbodies.</p> <p><u>Salt</u>: Implement a real-time water quality management program for the entire SJR basin, or a portion of, to export the maximum amount of salt out of the basin while at the same time meeting the electrical conductivity (EC) water quality objectives.</p> <p><u>Dissolved oxygen and nutrients</u>: Implement management practices in upstream watershed (lower San Joaquin River and tributaries) to reduce nutrient discharges (aqueous and sediment-bound) upstream of the impaired reach of the Stockton Deep Water Ship Channel (DWSC); implement MPs according to Irrigated Lands Regulatory Program (ILRP) management plans.</p> <p><u>Selenium</u>: Implement activities that reduce the discharge of selenium in subsurface agricultural drainage from the Grassland Watershed to the San Joaquin River. Examples of such activities are described in the Westside Regional Drainage Plan.</p>
Mercury-Impaired Reservoirs in the San Joaquin River Watershed	<p><u>Mercury</u>: Implement best management practices to minimize erosion and transport of mercury-contaminated sediments.</p>
Clear Lake	<p><u>Mercury</u>: Implement best management practices to minimize erosion and transport of mercury-contaminated sediments.</p> <p><u>Nutrients</u>: Implement best management practices to minimize erosion and transport of phosphorus.</p>
Sacramento River	<p><u>Chlorpyrifos, diazinon and pyrethroids</u>: Implement management practices to reduce toxicity and pesticide discharges to impaired waterbodies.</p>
Mercury-Impaired Reservoirs in the Sacramento River Watershed	<p><u>Mercury</u>: Implement best management practices to minimize erosion and transport of mercury-contaminated sediments.</p>
Cache Creek	<p><u>Mercury</u>: Implement best management practices to minimize erosion and transport of mercury-contaminated sediments.</p>

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**Lahontan Region**

<b>TMDL Watershed</b>	<b>Implementation Projects TMDL Constituent(s)</b>
Blackwood Creek	<u>Sediment, nutrients:</u> Implement management measures to reduce sediment and nutrient discharges such as watershed restoration, enhancement, and protection projects targeting nutrients and sediment; riparian restoration, and stream bank stabilization projects.
Carson River, West Fork	<u>Nitrate, nitrogen, phosphorus, sulfates, TDS, turbidity, fecal coliform, chloride:</u> Implement management measures to reduce nutrient, and sediment discharge, and to reduce contamination by fecal coliform. Projects may include watershed restoration enhancement, riparian restoration, stream bank stabilization, and grazing exclusion fencing.
Indian Creek Reservoir	<u>Nutrients:</u> Implement management measures to reduce nutrient discharges such as watershed restoration, enhancement, and protection projects targeting nutrients; engineered nutrient treatment/ removal, passive or active, projects; full-scale implementation, nutrient management/control projects.
Squaw Creek	<u>Sediment:</u> Implement management measures to reduce sediment discharges such as watershed restoration and enhancement, and protection projects targeting sediment; riparian restoration, and stream bank stabilization projects
Tahoe, Lake	<u>Nutrients, fine sediment:</u> Implement management measures to reduce nutrient and fine sediment discharges such as watershed restoration, enhancement, protection projects targeting nutrients and fine sediment.
Truckee River (Bronco and Gray Creeks)	<u>Sediment:</u> Implement management measures to reduce sediment discharges in reach of river from Lake Tahoe dam through Town of Truckee such as watershed restoration, enhancement, and protection projects targeting sediment; riparian restoration and stream bank stabilization projects.
Truckee River, Upper	<u>Nutrients:</u> Implement management measures to reduce nutrient discharges such as watershed restoration, enhancement, and protection projects targeting nutrients; riparian restoration and stream bank stabilization projects to reduce nutrient sources.
Ward Creek	<u>Nutrients, sediment:</u> Implement management measures to reduce nutrient and sediment discharges such as watershed restoration, enhancement, and protection projects targeting nutrients and sediment; riparian restoration and stream bank stabilization projects to reduce sediment and nutrient sources.

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**Colorado River Region**

TMDL Watershed	Implementation Projects TMDL Constituent(s)
Alamo River	<u>Sediment</u> : Implement management measures in TMDL-required water quality management plans (Water Management Plans) for agricultural drain discharges to reduce pollutants.
New River (International Boundary to Salton Sea)	<u>Sediment</u> : Develop and implement TMDL-required Water Management Plans and other management measures for agricultural drain discharges to reduce pollutants.
	<u>Bacteria, trash, dissolved oxygen</u> : Develop and implement 319(h) fundable projects contained in the <a href="#"><i>Strategic Plan: New River Improvement Project</i></a> . <sup>9</sup> The reaches are the same as the ones covered in their respective TMDLs.
Imperial Valley Drains	<u>Sediment</u> : Develop and implement TMDL-required Water Management Plans and other management measures for agricultural drain discharges to reduce pollutants.
Coachella Valley Storm Channel	<u>E.coli</u> : Develop and implement TMDL-required Water Management Plans and other management measures to reduce pollutants.

<sup>9</sup> California-Mexico Border Relations Council. 2011.*Strategic Plan: New River Improvement Project*. Prepared by the New River Improvement Project Technical Advisory Committee.

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**Santa Ana Region**

TMDL Watershed	Implementation Projects TMDL Constituent(s)
Newport Bay – Upper	<u>Copper; Metals; Pathogens; Sediment; Organochlorine Compounds:</u> Implement projects to control ambient and 'natural' known sources of impairments; implement best management practices to minimize erosion and transport of sediments in areas not subject to the municipal separate storm water sewer system permit (Municipal Stormwater Permit).
Newport Bay – Lower	<u>Copper; Metals; Pathogens; Sediment; Organochlorine Compounds:</u> Implement projects to control ambient and 'natural' known sources of impairments; implement best management practices to minimize erosion and transport of contaminated sediments in undeveloped open-space watersheds upstream of areas subject to the Municipal Stormwater Permit.
Rhine Channel, Lower Newport Bay	<u>Metals; Organochlorine Compounds:</u> Implement projects to reduce contaminated sediments; projects may include surveys of benthic communities in the Rhine Channel and in similarly small, highly trafficked marinas with poor tidal flushing to improve TMDL compliance metrics.
Newport Coast Watersheds (south of Newport Bay mouth)	<u>Selenium; Metals; Pathogens; Organics; Pesticides:</u> Implement projects that control ambient and 'natural' known sources of impairments; implement best management practices to minimize erosion and transport of contaminated sediments in undeveloped open-space watersheds upstream of areas subject to the Municipal Stormwater Permit.
San Diego Creek Reach 1	<u>Organochlorine Compounds; Nutrients; Sediments; Pathogens; Selenium:</u> Implement projects to control ambient and 'natural' known sources of impairments; implement best management practices to minimize erosion and transport of contaminated sediments in undeveloped, open-space watersheds upstream of areas subject to the municipal separate storm water sewer system permit (Municipal Stormwater Permit); implement management practices to reduce nonpoint sources of selenium as required by Resolution No. R8-2017-0014.
San Diego Creek Reach 2	<u>Nutrients; Sediments; Pathogens; Selenium:</u> Implement projects to control ambient and 'natural' known sources of impairments; implement best management practices to minimize erosion and transport of contaminated sediments in undeveloped, open-space watersheds upstream of areas subject to the Municipal Stormwater Permit implement management practices to reduce nonpoint sources of selenium as required by Resolution No. R8-2017-0014..
Big Bear Lake	<u>Nutrients:</u> Implement nutrient and sediment control and source control management practices in undeveloped, open-space and in watersheds upstream of areas subject to Municipal Stormwater Permit; implement management measures or program(s) to control or manage nutrient exchange from sediment into the water column.
	<u>Mercury and methyl mercury:</u> Implement mercury load reduction management practices or methylation reduction strategies in the lake and/or watershed in undeveloped, open space watersheds upstream of areas subject to the Municipal Stormwater Permit.
San Jacinto River/Canyon Lake/ Lake Elsinore	<u>Nutrients; Pathogens; Toxicity:</u> Implement management measures or program(s) to control or manage nutrient exchange from sediment into the water column; implement projects and management practices identified in the Lake Elsinore nutrients TMDL Agricultural Nutrient Management Plan; implement projects to

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<b>TMDL Watershed</b>	<b>Implementation Projects TMDL Constituent(s)</b>
	control failing on-site septic tank systems; implement management practices to reduce agricultural sources of nutrients as required by Resolution No. R8-2017-0023.

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**San Diego Region**

<b>TMDL Watershed</b>	<b>Implementation Projects TMDL Constituent(s)</b>
Shelter Island Yacht Basin – San Diego Bay	<u>Copper</u> : Implement management practices to reduce copper loading from boats as required by Resolution No. R9-2005-0019, <a href="#"><i>Total Maximum Daily Load for Dissolved Copper in Shelter Island Yacht Basin, San Diego Bay</i></a> . <sup>10</sup>
Rainbow Creek Watershed	<u>Total Nitrogen and Total Phosphorus</u> : Implement management practices to reduce total nitrogen and total phosphorus loading as required by Resolution No. R9-2005-0039, <a href="#"><i>Basin Plan Amendment and Final Technical Report for Total Nitrogen and Total Phosphorus Total Maximum Daily Loads for Rainbow Creek</i></a> <sup>11</sup> or the requirements of the San Diego Water Board’s <a href="#"><i>General Agricultural Orders</i></a> . <sup>12</sup>
Beaches in the San Diego Region	<u>Indicator Bacteria</u> : Implement management practices to reduce nonpoint sources of bacteria as required by Resolution No. R9-2010-0001, <a href="#"><i>Revised Total Maximum Daily Loads for Indicator Bacteria, Project I – Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek)</i></a> <sup>13</sup> or the requirements of the San Diego Water Board’s <a href="#"><i>General Agricultural Orders</i></a> .
Baby Beach in Dana Point Harbor	<u>Indicator Bacteria</u> : Implement management practices to reduce nonpoint sources of bacteria as required by Resolution No. R9-2008-0027, <a href="#"><i>Total Maximum Daily Loads for Indicator Bacteria, Baby Beach in Dana Harbor and Shelter Island Shoreline Park in San Diego Bay</i></a> . <sup>14</sup>
Tijuana River Valley	<u>Sediment, Trash, and Bacteria</u> : Implement management practices to reduce nonpoint sources of sediment and trash as identified in Resolution No. R9-2012-0030, <a href="#"><i>A Resolution Endorsing the Tijuana River Valley Recovery Team’s Strategy “Living with the Water” Dated January 2012</i></a> , <sup>15</sup> the <a href="#"><i>Tijuana River Valley Recovery Team Recovery Strategy Living with the Water</i></a> , <sup>16</sup> or Resolution No. R9-2015-0035, <a href="#"><i>A Resolution Endorsing the Tijuana River Valley Recovery Team Five-Year Action Plan, March 2015</i></a> . <sup>17</sup>
Loma Alta	<u>Phosphorous</u> : Implement management practices to reduce nonpoint sources of phosphorus as required by Resolution No. R9-2014-0020, <a href="#"><i>Resolution of Commitment to an Alternative Process for Achieving Water Quality Objectives for Biostimulatory Substances in Loma Alta Slough</i></a> . <sup>18</sup>

<sup>10</sup> [http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/watershed/souwatershed.shtml#siybtmdl](http://www.waterboards.ca.gov/sandiego/water_issues/programs/watershed/souwatershed.shtml#siybtmdl)

<sup>11</sup> [http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/tmdls/rainbowcreek.shtml](http://www.waterboards.ca.gov/sandiego/water_issues/programs/tmdls/rainbowcreek.shtml)

<sup>12</sup> [http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/commercial\\_agriculture/commercial\\_ag\\_wdr.shtml](http://www.waterboards.ca.gov/sandiego/water_issues/programs/commercial_agriculture/commercial_ag_wdr.shtml)

<sup>13</sup> [http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/tmdls/bacteria.shtml](http://www.waterboards.ca.gov/sandiego/water_issues/programs/tmdls/bacteria.shtml)

<sup>14</sup> [http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/tmdls/bacteria\\_project2.shtml](http://www.waterboards.ca.gov/sandiego/water_issues/programs/tmdls/bacteria_project2.shtml)

<sup>15</sup> [http://www.waterboards.ca.gov/sandiego/board\\_decisions/adopted\\_orders/2012/R9-2012-0030.pdf](http://www.waterboards.ca.gov/sandiego/board_decisions/adopted_orders/2012/R9-2012-0030.pdf)

<sup>16</sup>

[http://www.waterboards.ca.gov/sandiego/water\\_issues/tijuana\\_river\\_valley\\_strategy/docs/Recovery\\_Strategy\\_Living\\_with\\_the\\_Water.PDF](http://www.waterboards.ca.gov/sandiego/water_issues/tijuana_river_valley_strategy/docs/Recovery_Strategy_Living_with_the_Water.PDF)

<sup>17</sup> [http://www.waterboards.ca.gov/sandiego/board\\_decisions/adopted\\_orders/2015/R9-2015-0035.pdf](http://www.waterboards.ca.gov/sandiego/board_decisions/adopted_orders/2015/R9-2015-0035.pdf)

<sup>18</sup> [http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/tmdls/Loma\\_Alta\\_TMDL.shtml](http://www.waterboards.ca.gov/sandiego/water_issues/programs/tmdls/Loma_Alta_TMDL.shtml)

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**Statewide**

Watersheds	Project Types
USGS HUC 12 Watersheds with <i>State Responsibility Areas</i> <sup>19</sup> with project sites defined as <i>Forest Land</i> <sup>20</sup> (TIMBER FUND ONLY)	Projects must address one or more of the following pollutants: Sediment, Temperature, Nutrients, or Pesticides. Projects must demonstrate water quality improvement through the application of <a href="#">Forest Management Measures</a> . <sup>21</sup> Examples of projects include ownership-wide erosion control, road management, riparian restoration, groundwater dependent ecosystems, nutrient management, riparian fuel management, fuel reduction and/or post fire rehabilitation. Along with implementation work, projects may include one or more of the following components: <ul style="list-style-type: none"> <li>• Implementation Project Planning, Design, and Permitting</li> <li>• Demonstration and Evaluation of Adaptive Management Response to Current or Past Forestry Management Measures</li> </ul>
Areas affected by fire as indicated in emergency proclamations by Governor Edmund G. Brown. <sup>22</sup> (CWA 319 OR TIMBER FUND)	Projects that control or minimize nonpoint sources of pollution to waters of the state, or implement forest restoration activities to prevent or minimize degradation of water quality in areas that have been impacted by calendar year 2017 fires and are addressed in the emergency proclamations by Governor Edmund G. Brown.

<sup>19</sup> As described in Public Resources Code sections 4125 and 4126, as delineated by the California Department of Forestry and Fire Protection: <http://www.fire.ca.gov/firepreventionfee/srviewer>.

<sup>20</sup> As defined by Public Resources Code section 12220(g).

<sup>21</sup> [http://www.waterboards.ca.gov/water\\_issues/programs/nps/encyclopedia/2\\_forest.shtml](http://www.waterboards.ca.gov/water_issues/programs/nps/encyclopedia/2_forest.shtml)

<sup>22</sup> Napa, Sonoma, Yuba, Butte, Lake, Mendocino, Nevada, Orange, and Solano counties