

Resolution No. R1-2013-0058  
Attachment 3

[Add a new sub-section to the Water Quality Control Plan for the North Coast Region implementation chapter (Chapter 4) with the following Action Plans. This section will be added after the "ACTION PLAN FOR THE KLAMATH RIVER TOTAL MAXIMUM DAILY LOADS ADDRESSING TEMPERATURE, DISSOLVED OXYGEN, NUTRIENT, AND MICROCYSTIN IMPAIRMENTS IN THE KLAMATH RIVER IN CALIFORNIA AND LOST RIVER IMPLEMENTATION PLAN." In addition to adding the following language, several editorial revisions will be made, including appropriate changes to the Title Page, Table of Contents, Summary of Basin Plan Amendments (Appendix 1), page numbers, table and figure numbers, footnote numbers, and headers and footers to reflect the new language. The final locations of tables and figures in relation to the text may also be changed to accommodate the existing formatting of the Basin Plan.]

#### ACTION PLAN TO ADDRESS ELEVATED WATER TEMPERATURES IN THE EEL RIVER WATERSHED

The USEPA has established Total Maximum Daily Loads (TMDL) for elevated temperature in the Upper Main Eel, Middle Main Eel, Lower Main Eel, South Fork Eel, North Fork Eel, and Middle Fork Eel River Watersheds<sup>1</sup>. All of those temperature TMDLs have assigned temperature load allocations corresponding to solar radiation loads that occur when the riparian vegetation is at full potential growth conditions, with allowances for the effects of natural factors that act to reduce those potential growth conditions. The goal of this Action Plan is to establish actions that achieve those TMDL load allocations. The following actions constitute the program of implementation to achieve the Eel River Watershed Temperature TMDLs and are consistent with the *Policy ~~to-for the~~ Implementation of the Water Quality Objectives for Temperature*.

**Table 4-19: Actions to Address Temperature Impairments in the Eel River Watershed**

| Source or Land Use Activity and Responsible Party   | Implementation Actions  |
|---|---|
| <b>Timber Harvest Activities on Non-Federal Lands</b><br><br>Regional Water Board   | <u>Action</u><br>Regional Water Board staff shall make recommendations for additional measures to ensure the TMDL load allocations and water quality objectives for temperature are achieved during the timber harvest review process, as necessary.<br><br><u>Timeline</u><br>Ongoing  |
| <b>Timber Harvest Activities on Non-Federal Lands</b><br><br>Parties conducting timber harvest activities that discharge waste or have the potential to discharge waste | <u>Action</u><br>Implement <a href="#">the riparian shade allocations and water quality standards through</a> riparian management measures <del>that meet the riparian shade allocations and water quality standards</del> . Where the Forest Practice Rules are not sufficient to meet the TMDL allocations or water quality standards, implement additional measures, <a href="#">as appropriate and necessary as directed by Regional Water Board staff during the timber harvest review process</a> .<br><br><u>Timeline</u><br>Ongoing |

<sup>1</sup> Upper Main Eel River and Tributaries (including Tomki Creek, Outlet Creek and Lake Pillsbury) Total Maximum Daily Loads for Temperature and Sediment (2004), Middle Main Eel River and Tributaries (from Dos Rios to South Fork) Total Maximum Daily Loads for Temperature and Sediment (2005), Lower Eel River Total Maximum Daily Loads for Temperature and Sediment (2007), South Fork Eel River Total Maximum Daily Loads for Sediment and Temperature (1999), North Fork Eel River Total Maximum Daily Loads for Sediment and Temperature (2002), and Middle Fork Eel River Total Maximum Daily Loads for Sediment and Temperature (2003), each contain a problem statement, source analysis, [load allocation, numeric targets](#), load allocations, linkage analysis, and margin of safety. Please see the individual TMDL documents for more information.

4. IMPLEMENTATION PLANS

**Table 4-19: Actions to Address Temperature Impairments in the Eel River Watershed**

| Source or Land Use Activity and Responsible Party   | Implementation Actions  |
|---|---|
| <p><b>All Activities on USFS Lands</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Implement <a href="#">Order No. R1-2010-0029, Waiver of Waste Discharge Requirements for Nonpoint Source Discharges Related to Certain Federal Land Management Activities on National Forest System Lands in the North Coast Region, and any future revisions, the (USFS Waiver of WDRs)</a> as a mechanism for compliance with the water quality objectives for temperature.</p> <p><u>Action</u><br/>Regional Water Board staff shall make recommendations for additional measures to ensure the water quality objective for temperature is achieved during the project review process, as necessary.</p> <p><u>Timeline</u><br/>Ongoing</p> |
| <p><b>All Activities on Lands Managed by the USFS</b></p> <p>USFS</p>   | <p><u>Action</u><br/>Conduct land management activities in compliance with the <a href="#">USFS wW</a> waiver of WDRs <b>and in accordance with project-level recommendations.</b></p> <p><u>Timeline</u><br/>As required in the <a href="#">USFS wW</a> waiver of WDRs.</p>  |
| <p><b>Agricultural Activities on Non-Federal Lands</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Develop and implement the Agricultural Lands Discharge Program as a mechanism for compliance with temperature objectives.</p> <p><u>Timeline</u><br/>Upon adoption</p>   |
| <p><b>Agricultural Activities on Non-Federal Lands</b></p> <p>Parties conducting activities associated with agriculture that discharge waste or have the potential to discharge waste on nonfederal land, except dairies.</p> | <p><u>Action</u><br/>Implement <a href="#">the riparian shade load allocations and water quality standards through riparian management measures, that meet the riparian shade load allocations and water quality standards.</a></p> <p><u>Timeline</u><br/>Ongoing</p> <p><u>Action</u><br/>Conduct land management activities in compliance with the Agricultural Lands Discharge Program when adopted.</p> <p><u>Timeline</u><br/>Upon adoption of the Agricultural Lands Discharge Program</p>   |

Table 4-19: Actions to Address Temperature Impairments in the Eel River Watershed

| Source or Land Use Activity and Responsible Party   | Implementation Actions   |
|---|--|
| <b>Road Construction and Maintenance of State Highway Facilities</b><br><br>State Water Resources Control Board<br><br>Regional Water Board | <u>Action</u><br>Implement the NPDES Statewide Storm Water Permit and Waste Discharge Requirements for the State of California, Department of Transportation (Caltrans permit).<br><br><u>Timeline</u><br>Ongoing  |
| <b>Road Construction and Maintenance of State Highway Facilities</b><br><br>Caltrans  | <u>Action</u><br>Conduct road construction, maintenance and associated activities in compliance with the Caltrans permit.<br><br><u>Timeline</u><br>Ongoing  |
| <b>Road Construction and Associated Maintenance on County Lands</b><br><br>Regional Water Board   | <u>Action</u><br>Implement <del>the Order No. R1-2013-0004, Waiver of Waste Discharge Requirements and General Water Quality Certification for County Road Management and Activities Conducted <del>under</del> Under the Five Counties Salmonid Conservation Program</del> <u>In the Counties of Del Norte, Humboldt, Mendocino, Siskiyou, and Trinity in The North Coast Region</u> (5C Waiver <u>of WDRs</u> ), <u>and any future revisions</u> .<br><br><u>Action</u><br>In the event that a county does not show intent to implement the 5C <u>Program Waiver of WDRs</u> , develop WDRs or a conditional waiver of WDRs for that county.<br><br><u>Timeline</u><br>Ongoing |
| <b>Road Construction and Maintenance on County Lands</b><br><br>Humboldt, Mendocino, and Trinity Counties                                   | <u>Action</u><br>Conduct road construction and maintenance in compliance with the 5C Waiver <u>of WDRs</u> .<br><br><u>Timeline</u><br>Pursuant to the 5C <u>Waiver of WDRs Program</u> timelines.   |
| <b>Dairy Operations</b><br><br>Regional Water Board   | <u>Action</u><br>Implement temperature allocations through the Water Quality Compliance Program for Dairies & Concentrated Animal Feeding Operations (Dairy Program), <u>and any future revisions</u> .<br><br><u>Timeline</u><br>Ongoing  |
| <b>Dairy Operations</b><br>Dairy operators  | <u>Action</u><br>Conduct land management activities in compliance with the Dairy Program.<br><br><u>Timeline</u><br>Ongoing  |

4. IMPLEMENTATION PLANS

**Table 4-19: Actions to Address Temperature Impairments in the Eel River Watershed**

| Source or Land Use Activity and Responsible Party  | Implementation Actions  |
|--|---|
| <p><b>Dredge and Fill Activities in Waters of the State</b></p> <p>Regional Water Board</p>                              | <p><u>Action</u><br/>Incorporate measures to meet the temperature allocations in 401 water quality certifications.</p> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Waste Discharge Requirement Program</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Incorporate measures to meet the temperature allocations and water quality objectives for temperature in <del>individual</del> Waste Discharge Requirements and Waivers thereof.</p> <p><u>Timeline</u><br/>Ongoing</p>  |
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Work with other agencies and non-governmental organizations to support off-stream storage projects for water diverters currently diverting directly from streams during summer. Work with other agencies and non-governmental organizations to streamline <del>the</del> permitting process for conversion of on-stream to off-stream storage.</p> <p><u>Timeline</u><br/>Ongoing</p>  |
| <p><b>Water Use</b></p> <p>Water users</p>   | <p><u>Action</u><br/>The Regional Water Board encourages all water users to implement water conservation practices and develop off-stream storage facilities to minimize water diversions during low flow periods.</p> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Pursue instream flow studies, including the following actions:</p> <ul style="list-style-type: none"> <li>• Work with other agencies and non-governmental organizations to support instream flow studies to: (1) quantify flows necessary for beneficial use support, (2) quantify flow impacts to assist outreach and education efforts, or (3) identify opportunities to increase summer low flows.</li> <li>• Coordinate with the California Department of Fish and Wildlife on the development, methodologies, and any criteria relevant to instream flow studies.</li> <li>• Consider all sources of water, including headwaters, groundwater, and waters flowing in subterranean streams.</li> </ul> <p><u>Timeline</u><br/>Until complete</p> |

**Table 4-19: Actions to Address Temperature Impairments in the Eel River Watershed**

| Source or Land Use Activity and Responsible Party  | Implementation Actions   |
|--|--|
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Support third-party efforts to address temperature related concerns, including:</p> <ul style="list-style-type: none"> <li>• Education of water users on the importance of water conservation efforts,</li> <li>• Education of water users on water conservation practices and opportunities,</li> <li>• Assistance for water users in the implementation of water conservation practices,</li> <li>• Restoration of riparian vegetation,</li> <li>• Other efforts that address water temperature-related concerns.</li> </ul> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Take actions to address the temperature impacts of marijuana cultivation, through the following:</p> <ul style="list-style-type: none"> <li>• Outreach and education,</li> <li>• Grant support for water conservation and pollution control efforts,</li> <li>• Coordination with other agencies,</li> <li>• Enforcement actions.</li> </ul> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Water Use</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Continue to coordinate with the State Water Board's Division of Water Rights by participating in the water right application and petition process, providing monitoring recommendations, <del>conducting</del> joint inspections as appropriate, <del>submittal-submitting</del> data in support of 401 certifications related to water diversions and/or facilities regulated by the FERC, <del>participation-participating</del> in instream flow studies, <del>participation participating</del> in proceedings related to instream flow, and <del>participating by</del> any other appropriate means to help ensure that the terms of water right permits and licenses are consistent with the intrastate water quality objective for temperature.</p> <p><u>Timeline</u><br/>Ongoing</p> |

**ACTION PLAN TO ADDRESS ELEVATED WATER TEMPERATURES IN THE NAVARRO RIVER WATERSHED**

The USEPA has established Total Maximum Daily Loads (TMDL) for elevated temperature in the Navarro<sup>2</sup>. The Navarro River Watershed Temperature TMDL has assigned temperature load allocations corresponding to solar radiation loads that occur when the riparian vegetation is at full potential growth conditions, with allowances for the effects of natural factors that act to reduce those potential growth conditions. The goal of this Action Plan is to establish actions that achieve those TMDL load allocations. The Navarro River Watershed Temperature TMDL also identifies the alteration of flow as a factor that may elevate water temperatures in some situations, and sets a

<sup>2</sup> The Navarro River Total Maximum Daily Loads for ~~Sediment and~~ Temperature ~~and Sediment~~ (2000) contains a problem statement, source analysis, ~~load-allocation~~, numeric targets, load allocations, linkage analysis, and margin of safety. Please see the TMDL and supporting documents for more information.

4. IMPLEMENTATION PLANS

target of no increases in diverted flows unless it can be demonstrated that the flow reduction will not increase water temperatures. The following actions constitute a program of implementation to achieve the Navarro River Watershed Temperature TMDL and are consistent with the *Policy ~~to-for the~~ Implementation of the Water Quality Objectives for Temperature*.

**Table 4-20: Actions to Address Temperature Impairments in the Navarro River Watershed**

| Source or Land Use Activity and Responsible Party   | Implementation Actions  |
|---|---|
| <p><b>Timber Harvest Activities on Non-Federal Lands</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Regional Water Board staff shall make recommendations for additional measures to ensure the TMDL load allocations and water quality objectives for temperature are achieved during the timber harvest review process, as necessary.</p> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Timber Harvest Activities on Non-Federal Lands</b></p> <p>Parties conducting timber harvest activities that discharge waste or have the potential to discharge waste.</p>   | <p><u>Action</u><br/>Implement <a href="#">the riparian shade allocations and water quality standards through</a> riparian management measures <del>that meet the riparian shade allocations and water quality standards</del>. Where the Forest Practice Rules are not sufficient to meet the TMDL allocations or water quality standards, <a href="#">as appropriate and necessary implement additional measures as directed by Regional Water Board staff during the timber harvest review process</a>.</p> <p><u>Timeline</u><br/>Ongoing</p> |
| <p><b>Agricultural Activities on Non-Federal Lands</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Develop and implement the Agricultural Lands Discharge Program as a mechanism for compliance with temperature objectives.</p> <p><u>Timeline</u><br/>Upon adoption</p>   |
| <p><b>Agricultural Activities on Non-Federal Lands</b></p> <p>Parties conducting activities associated with agriculture that discharge waste or have the potential to discharge waste on nonfederal land, except dairies.</p> | <p><u>Action</u><br/>Implement <a href="#">the riparian shade load allocations and water quality standards through</a> riparian management measures <del>that meet the riparian shade load allocations and water quality standards</del>.</p> <p><u>Timeline</u><br/>Ongoing</p> <p><u>Action</u><br/>Conduct land management activities in compliance with the Agricultural Lands Discharge Program when adopted.</p> <p><u>Timeline</u><br/>Upon adoption of the Agricultural Lands Discharge Program</p>                                       |

**Table 4-20: Actions to Address Temperature Impairments in the Navarro River Watershed**

| Source or Land Use Activity and Responsible Party  | Implementation Actions   |
|--|--|
| <p><b>Road Construction and Maintenance of State Highway Facilities</b></p> <p>State Water Resources Control Board</p> <p>Regional Water Board</p> | <p><u>Action</u><br/>Implement the NPDES Statewide Storm Water Permit and Waste Discharge Requirements for the State of California, Department of Transportation (Caltrans permit).</p> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Road Construction and Maintenance of State Highway Facilities</b></p> <p>Caltrans</p>  | <p><u>Action</u><br/>Conduct road construction, maintenance and associated activities in compliance with the Caltrans permit.</p> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Road Construction and Associated Maintenance on County Lands</b></p> <p>Regional Water Board</p>   | <p><u>Action</u><br/>Implement <a href="#">the Order No. R1-2013-0004, Waiver of Waste Discharge Requirements and General Water Quality Certification for County Road Management and Activities Conducted <del>under</del> Under the Five Counties Salmonid Conservation Program In the Counties of Del Norte, Humboldt, Mendocino, Siskiyou, and Trinity in The North Coast Region</a> (5C Waiver <u>of WDRs</u>) and any future revisions.</p> <p><u>Action</u><br/>In the event that a county does not show intent to implement the 5C <a href="#">Waiver of WDRs Program</a>, develop WDRs or a conditional waiver of WDRs for that county.</p> <p><u>Timeline</u><br/>Ongoing</p> |
| <p><b>Road Construction and Maintenance on County Lands</b></p> <p>Humboldt, Mendocino County, and Trinity Counties</p>                            | <p><u>Action</u><br/>Conduct road construction and maintenance in compliance with the 5C Waiver <u>of WDRs</u>.</p> <p><u>Timeline</u><br/>Pursuant to the 5C <a href="#">Program Waiver of WDRs</a> timelines</p>   |
| <p><b>Dredge and Fill Activities in Waters of the State</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Incorporate measures to meet the temperature allocations in 401 water quality certifications.</p> <p><u>Timeline</u><br/>Ongoing</p>  |
| <p><b>Waste Discharge Requirement Program</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Incorporate measures to meet the temperature allocations and water quality objectives for temperature in <del>individual</del> Waste Discharge Requirements and Waivers thereof.</p> <p><u>Timeline</u><br/>Ongoing</p>   |

4. IMPLEMENTATION PLANS

**Table 4-20: Actions to Address Temperature Impairments in the Navarro River Watershed**

| Source or Land Use Activity and Responsible Party  | Implementation Actions  |
|--|---|
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Work with other agencies and non-governmental organizations to support off-stream storage projects for water diverters currently diverting directly from streams during summer. Work with other agencies and non-governmental organizations to streamline <a href="#">the</a> permitting process for conversion of on-stream to off-stream storage.</p> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Water Use</b></p> <p>Water users</p>   | <p><u>Action</u><br/>The Regional Water Board encourages all water users to implement water conservation practices and develop off-stream storage facilities to minimize water diversions during low flow periods.</p> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Pursue instream flow studies, including the following actions:</p> <ul style="list-style-type: none"> <li>• Work with other agencies and non-governmental organizations to support instream flow studies to: (1) quantify flows necessary for beneficial use support, (2) quantify flow impacts to assist outreach and education efforts, or (3) identify opportunities to increase summer low flows.</li> <li>• Coordinate with the California Department of Fish and Wildlife on the development, methodologies, and any criteria relevant to instream flow studies.</li> <li>• Consider all sources of water, including headwaters, groundwater, and waters flowing in subterranean streams.</li> </ul> <p><u>Timeline</u><br/>Until complete</p> |
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Support third-party efforts to address temperature related concerns, including:</p> <ul style="list-style-type: none"> <li>• Education of water users on the importance of water conservation efforts,</li> <li>• Education of water users on water conservation practices and opportunities,</li> <li>• Assistance for water users in the implementation of water conservation practices,</li> <li>• Restoration of riparian vegetation,</li> <li>• Other efforts that address water temperature-related concerns.</li> </ul> <p><u>Timeline</u><br/>Ongoing</p>  |

**Table 4-20: Actions to Address Temperature Impairments in the Navarro River Watershed**

| Source or Land Use Activity and Responsible Party  | Implementation Actions  |
|--|---|
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>                     Take actions to address the temperature impacts of marijuana cultivation, through the following:</p> <ul style="list-style-type: none"> <li>• Outreach and education,</li> <li>• Grant support for water conservation and pollution control efforts,</li> <li>• Coordination with other agencies,</li> <li>• Enforcement actions.</li> </ul> <p><u>Timeline</u><br/>                     Ongoing</p>  |
| <p><b>Water Use</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>                     Continue to coordinate with the State Water Board's Division of Water Rights by participating in the water right application and petition process, providing monitoring recommendations, <a href="#">conducting</a> joint inspections as appropriate, <a href="#">submittal of submitting</a> data in support of 401 certifications related to water diversions and/or facilities regulated by the FERC, <a href="#">participation participating</a> in instream flow studies, <a href="#">participation participating</a> in proceedings related to instream flow, and any other appropriate means to help ensure that the terms of water right permits and licenses are consistent with the intrastate water quality objective for temperature.</p> <p><u>Timeline</u><br/>                     Ongoing</p> |
| <p><b>Water Use</b></p> <p>State Water Resources Control Board, Division of Water Rights</p>                             | <p><u>Action</u><br/>                     Achieve the <a href="#">Flow and Temperature target contained in the</a> Navarro River <a href="#">Watershed</a> Temperature TMDL <del>Flow and Temperature Target</del> through implementation of the <i>Policy for Maintaining Instream Flows in Northern California Coastal Streams</i>.</p> <p><u>Timeline</u><br/>                     Ongoing</p>   |

**ACTION PLAN TO ADDRESS ELEVATED WATER TEMPERATURES IN THE MATTOLE RIVER WATERSHED**

The USEPA has established a Total Maximum Daily Load (TMDL) for elevated temperature in the Mattole River Watershed<sup>3</sup>. The Mattole River Watershed Temperature TMDL has assigned temperature load allocations corresponding to solar radiation loads that occur when the riparian vegetation is at full potential growth conditions, with allowances for the effects of natural factors that act to reduce those potential growth conditions. The goal of this Action Plan is to establish actions that achieve those TMDL load allocations. The following actions constitute a program of implementation to achieve the Mattole River Watershed Temperature TMDL and are consistent with the *Policy ~~to for the~~ Implementation of the Water Quality Objectives for Temperature*.

<sup>3</sup> The *Mattole River Total Maximum Daily Loads for Sediment and Temperature* (2002) contains a problem statement, source analysis, ~~load allocation~~, numeric targets, load allocations, linkage analysis, and margin of safety. Please see the individual TMDL documents for more information.

4. IMPLEMENTATION PLANS

**Table 4-21: Action Plan to Address Temperature Impairments in the Mattole River Watershed**

| Source or Land Use Activity and Responsible Party   | Implementation Actions  |
|---|---|
| <p><b>Timber Harvest Activities on Non-Federal Lands</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Regional Water Board staff shall make recommendations for additional measures to ensure the TMDL load allocations and water quality objectives for temperature are achieved during the timber harvest review process, as necessary.</p> <p><u>Timeline</u><br/>Ongoing</p>   |
| <p><b>Timber Harvest Activities on Non-Federal Lands</b></p> <p>Parties conducting timber harvest activities that discharge waste or have the potential to discharge waste</p>  | <p><u>Action</u><br/>Implement <a href="#">the riparian shade allocations and water quality standards through</a> riparian management <del>measures that meet the riparian shade allocations and water quality standards</del>. Where the Forest Practice Rules are not sufficient to meet the TMDL allocations or water quality standards, <del>as appropriate and necessary implement additional measures as directed by Regional Water Board staff during the timber harvest review process</del>.</p> <p><u>Timeline</u><br/>Ongoing</p>  |
| <p><b>Agricultural Activities on Non-Federal Lands</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Develop and implement the Agricultural Lands Discharge Program as a mechanism for compliance with temperature objectives.</p> <p><u>Timeline</u><br/>Upon adoption</p>   |
| <p><b>Agricultural Activities on Non-Federal Lands</b></p> <p>Parties conducting activities associated with agriculture that discharge waste or have the potential to discharge waste on nonfederal land, except dairies.</p> | <p><u>Action</u><br/>Implement <a href="#">the riparian shade load allocations and water quality standards through</a> riparian management measures <del>that meet the riparian shade load allocations and water quality standards</del>.</p> <p><u>Timeline</u><br/>Ongoing</p> <p><u>Action</u><br/>Conduct land management activities in compliance with the Agricultural Lands Discharge Program when adopted.</p> <p><u>Timeline</u><br/>Upon adoption of the Agricultural Lands Discharge Program</p>   |
| <p><b>Road Construction and Associated Maintenance on County Lands</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Implement <del>the Order No. R1-2013-0004, Waiver of Waste Discharge Requirements and General Water Quality Certification for County Road Management and Activities Conducted</del> <del>Under the Five Counties Salmonid Conservation Program</del> <a href="#">In the Counties of Del Norte, Humboldt, Mendocino, Siskiyou, and Trinity in The North Coast Region</a> (5C Waiver <a href="#">of WDRs</a>).</p> <p><u>Action</u><br/>In the event that a county does not show intent to implement the 5C <a href="#">Waiver of WDRs Program</a>, develop WDRs or a conditional waiver of WDRs for that county.</p> <p><u>Timeline</u></p> |

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| Source or Land Use Activity and Responsible Party   | Implementation Actions   |
|---|--|
|   | Ongoing  |
| <b>Road Construction and Maintenance on County Lands</b><br><br>Humboldt, and Mendocino, and Trinity Counties     | <u>Action</u><br>Conduct road construction and maintenance in compliance with the 5C Waiver <u>of WDRs</u> .<br><br><u>Timeline</u><br>Pursuant to the 5C <u>Program Waiver of WDRs</u> timelines.   |
| <b>Dredge and Fill Activities in Waters of the State</b><br><br>Regional Water Board                              | <u>Action</u><br>Incorporate measures to meet the temperature allocations in 401 water quality certifications.<br><br><u>Timeline</u><br>Ongoing   |
| <b>Waste Discharge Requirement Program</b><br><br>Regional Water Board  | <u>Action</u><br>Incorporate measures to meet the temperature allocations and water quality objectives for temperature in <del>individual</del> Waste Discharge Requirements and Waivers thereof.<br><br><u>Timeline</u><br>Ongoing  |
| <b>Water Use</b><br><br>Regional Water Board<br><br>State Water Resources Control Board, Division of Water Rights | <u>Action</u><br>Work with other agencies and non-governmental organizations to support off-stream storage projects for water diverters currently diverting directly from streams during summer. Work with other agencies and non-governmental organizations to streamline permitting process for conversion of on-stream to off-stream storage.<br><br><u>Timeline</u><br>Ongoing |
| <b>Water Use</b><br><br>Water users   | <u>Action</u><br>The Regional Water Board encourages all water users to implement water conservation practices and develop off-stream storage facilities to minimize water diversions during low flow periods.<br><br><u>Timeline</u><br>Ongoing   |

4. IMPLEMENTATION PLANS

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| Source or Land Use Activity and Responsible Party  | Implementation Actions  |
|--|---|
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Pursue instream flow studies, including the following actions:</p> <ul style="list-style-type: none"> <li>• Work with other agencies and non-governmental organizations to support instream flow studies to: (1) quantify flows necessary for beneficial use support, (2) quantify flow impacts to assist outreach and education efforts, or (3) identify opportunities to increase summer low flows.</li> <li>• Coordinate with the California Department of Fish and Wildlife on the development, methodologies, and any criteria relevant to instream flow studies.</li> <li>• Consider all sources of water, including headwaters, groundwater, and waters flowing in subterranean streams.</li> </ul> <p><u>Timeline</u><br/>Until complete</p>                                     |
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Support third-party efforts to address temperature related concerns, including:</p> <ul style="list-style-type: none"> <li>• Education of water users on the importance of water conservation efforts,</li> <li>• Education of water users on water conservation practices and opportunities,</li> <li>• Assistance for water users in the implementation of water conservation practices,</li> <li>• Restoration of riparian vegetation,</li> <li>• Other efforts that address water temperature-related concerns.</li> </ul> <p><u>Timeline</u><br/>Ongoing</p>  |
| <p><b>Water Use</b></p> <p>Regional Water Board</p> <p>State Water Resources Control Board, Division of Water Rights</p> | <p><u>Action</u><br/>Take actions to address the temperature impacts of marijuana cultivation, through the following:</p> <ul style="list-style-type: none"> <li>• Outreach and education,</li> <li>• Grant support for water conservation and pollution control efforts,</li> <li>• Coordination with other agencies,</li> <li>• Enforcement actions.</li> </ul> <p><u>Timeline</u><br/>Ongoing</p>  |
| <p><b>Water Use</b></p> <p>Regional Water Board</p>  | <p><u>Action</u><br/>Continue to coordinate with the State Water Board's Division of Water Rights by participating in the water right application and petition process, providing monitoring recommendations, <a href="#">conducting</a> joint inspections as appropriate, <a href="#">submittal of submitting</a> data in support of 401 certifications related to water diversions and/or facilities regulated by the FERC, <a href="#">participation participating</a> in instream flow studies, <a href="#">participation participating</a> in proceedings related to instream flow, and any other appropriate means to help ensure that the terms of water right permits and licenses are consistent with the intrastate water quality objective for temperature.</p> <p><u>Timeline</u><br/>Ongoing</p> |

