

Oregon Section 319 Nonpoint Source Implementation Grants

Request for Proposals and Application Information
Fiscal Year 2020

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DEQ is a leader in restoring, maintaining and enhancing the quality of Oregon's air, land and water.



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Section 319 Funds

The 1987 amendments to the Federal Clean Water Act (CWA) established the [Section 319 Nonpoint Source Management Program](#) to help state to focus on nonpoint source (NPS) efforts. Under Section 319, states, territories and tribes receive grant money that supports a wide variety of activities including technical assistance, financial assistance, education, training, technology transfer, demonstration projects and monitoring to assess the success of specific nonpoint source implementation projects.

EPA requires a Watershed Based Plan (WBP) is prepared and approved to implement any on-the-ground project with CWA Section 319 Grant funds.

Watershed Based Plan strategy in Oregon

For the 2020 cycle, DEQ has reviewed and approved plans from a limited number of watersheds that meet the criteria. The approved plans and associated areas are listed in Section B of this RFP.

It is anticipated that for future 319 funding, DEQ will add additional watersheds as WBP's are reviewed by DEQ and recommended for approval to EPA.

For reference, elements of a Watershed Based Plan include:

1. Identification of the causes and sources of pollution
2. Estimate of the pollutant load reductions expected from management strategies
3. Description of the nonpoint source management strategies that will need to be implemented to achieve load reductions and a description of the targeted critical areas
4. Estimate amounts of technical and financial assistance needed, associated costs, and/or the relevant authorities that will be relied upon to implement the plan
5. An information and education component
6. A schedule for implementing the nonpoint source management strategies
7. Description of the interim measurable milestones
8. Identification of a set of criteria or indicators to measure progress over time
9. A monitoring component.

For additional guidance on developing a watershed-based plan, see EPA's Handbook for Developing Watershed Plans to restore and Protect Our Waters at: <https://www.epa.gov/nps/handbook-developing-watershed-plans-restore-and-protect-our-waters>.

Request for proposals

The Oregon 319 grant program for the 2020 fiscal year begins on **March 16th, 2020** with the release of this RFP. We invite proposals submittals for the implementation of a WBP as referenced in the priorities outlined in Section B of this request for proposals.

Proposals are due by 5 p.m., April 24th, 2020 (Refer to Section 8 for submittal requirements). Proposals will be evaluated by Oregon Department of Environmental Quality (DEQ) staff to identify those projects that best address the State's NPS priorities (Section B).

Successful projects may commence in the Fall of 2020 after the award is received and §319 NPS agreement has been signed. A sample NPS Agreement is available for reference.

2020 Budget

Based on last year's budget, an estimate amount of \$240,000 will be available for all projects.

Please note that the Clean Water State Revolving Fund (CWSRF) might be more suitable for funding larger projects. You may review the CWSRF information on the web at <https://www.oregon.gov/deq/wq/cwsrf/pages/default.aspx>. CWSRF provides loans at a reduced interest rate for nonpoint source (NPS) projects (the contact person for the CWSRF program is listed in table 2).

Section A: Proposal information

1. Who can apply?

The following governmental agencies and non-profit organizations are eligible to receive 319 Grants. Other groups may also apply for grant funding by collaborating with the following organizations:

- Oregon Municipalities (cities and countries)
- Non-profit Organizations
- Special Districts in Oregon, including Conservation Districts
- Watershed Councils / Associations
- State Agencies / Universities
- Regional Planning Commission
- Water Suppliers
- Tribal Nations

Grant funds may be used to sub-contract with private entities, such as environmental consulting or engineering firms, in order to complete portions of projects that are beyond the capacity of the grantee organization.

2. Eligible projects

DEQ will only accept work plans addressing the implementation of WBP, as referenced in the priorities outlined in Section B. Proposals may either implement a portion of a plan, or a complete plan.

DEQ encourages projects that involve collaborative stakeholder partnerships to engage local governments, community-based organizations, state and federal agencies and/or tribal nations. Cooperative efforts not only help organizations to ensure effective funding coordination and adequate match from diverse sources, but also often yield the greatest water quality improvements.

In the past, DEQ has provided 319 funds in the past to grantees to provide technical assistance and outreach services to effectively promote landowner installation of Best Management Practices (BMP). In addition, a grantee may choose to set up a cost-sharing program as an incentive to installation and promotion of BMPs. Recipients of 319 cost sharing must agree to properly operate and maintain the BMP for its intended purpose for the service life.

3. Ineligible projects

The following types of projects will not be considered for funding:

- Projects not addressing the criteria presented in Section B of this request for proposals;
- Projects that install management practices to meet MS4 permit requirements, with the exception of demonstration projects directly transferable to other communities;
- On-site wastewater treatment system projects for routine maintenance or repair of existing on-site (septic) systems;
- Routine replacement of culverts;
- Projects to specifically protect or replace failing infrastructure on U.S. Forest Service or Bureau of Land Management roads or lands.

4. Project requirements

The proposed project must meet the following requirements:

A complete application. A fillable application document is available as a separate document from this RFP.

Section B Priorities. The project must **address a priority as outlined in Section B.**

Measurable Success. The project proposal must include a component with an emphasis on measurable environmental improvement.

Non-Federal Match.

- Proposals selected for funding must provide **at least 40%** of the total project cost (§319 funds requested plus minimum match) as match using non-federal funds and/or in-kind services (e.g., volunteer time and effort). Successful grant recipients must submit **documentation of the project match to DEQ, which meets the format and criteria provided with the final NPS Agreement.**

To calculate the minimum required match, *multiply the amount of §319 funds you are requesting for your project by 2/3.*

For example, if the §319 contribution cost (grant request) to the proposed project is:	The minimum required match amount is calculated by multiplying the amount to be requested by 2/3	Total cost of project would be:
\$30,000	\$20,000	\$50,000
\$15,000	\$10,000	\$25,000

- Match expenditures must be reported with all invoices using the Nonpoint Source Grant Agreement Expenditures/Match Report form that will be provided (Exhibit B of NPS Agreement). If the match reported is less than 40% of the invoiced amount, a plan for when the 40% match requirement will be fulfilled must be provided. The plan must be approved by the DEQ Project Officer and Financial Services Manager or Designee.
- Applicants are encouraged to investigate partnering opportunities with the Oregon Watershed Enhancement Board grant program: <https://www.oregon.gov/oweb/grants/Pages/grant-programs.aspx>

Quality Assurance. For those projects identified as involving environmentally related measurements or data generations, the grant recipient will need to develop and submit to DEQ the appropriate quality

assurance / quality control documentation. The plan must be submitted to DEQ prior or within 60 days of signing a NPS grant agreement. Required documentation may include one or more of the following:

- Organization specific Quality Management Plan (QMP)
- Project specific Quality Assurance Project Plan
- Sampling and Analysis Plan
- Standard Operating Procedures (SOPs) or other quality related documents.

For information on the policies, objectives, principles, and responsibilities for implementation of the DEQ Quality Management System (QMS) described in DEQ's Quality Management Plan (QMP), contact a Quality assurance Officer at the DEQ Laboratory and Environmental Assessment Division (LEAD) at 503-693-5700, <http://www.oregon.gov/deq/wq/Pages/WQ-Monitoring-Resources.aspx>.

Grant Agreement. Successful grant Recipients must enter into an agreement with the State of Oregon to receive funds. A sample agreement is available for reference. It is important that the grant recipient reviews and agrees with the grant agreement requirement prior to executing it. The State of Oregon requires the following documentation for execution of 319 grant awards:

1. **Signed Grant Agreement** (contract), developed by DEQ
2. Grant recipients should confirm that their organization's **DUNS#** number is active if selected for funding.
3. **Federal Award Risk Analysis.** Sufficient information for DEQ to complete a Federal Award Risk Analysis.
4. **Indirect cost:**
 - i. If the applicant is awarded 319 funds, and the organization has a current indirect cost plan approved by their cognizant agency, the applicant needs to include that rate in the agreement's budget. Portions of this rate or all of it cannot be used as match.
 - ii. If the applicant is awarded 319 funds, but does not have an approved Indirect Cost Plan, and wishes to receive reimbursement for the indirect cost share, the applicant on behalf of his/her organization needs to include up to 10% of the modified total direct costs (MTDC). This rate should be consistent with what the applicant has included in other grant applications.
5. A **complete description** of the proposed tasks. At the least, the tasks should include
 - i. What the proposed work consists of, goals and objectives
 - ii. Timeline of the implementation
 - iii. How much will it cost

Funds Reimbursement. 319 grant funds are distributed to recipients as reimbursement for documented incurred expenses according to the work plan included in the NPS Agreement as Exhibit A.

Reporting.

- a. For those projects, targeting riparian restoration, grant recipients must enter completed project information in the **Oregon Watershed Restoration Inventory** <https://www.oregon.gov/oweb/data-reporting/Pages/owri.aspx>.

- b) For those projects, implementing best management practices targeting nutrients, sediment and dissolved oxygen loading reduction, an additional reporting of the **estimated loading reduction report** will be required at completion. Please refer to the template for estimating loading reductions.
- c) If part of the grant implementation involves hiring of a sub-contractor, Grant Recipients are required to make a **good faith effort to hire disadvantaged businesses**. A list of disadvantaged business enterprises is available at the Oregon Business Development Department website identified in the following link:
<https://oregon4biz.diversitysoftware.com/FrontEnd/VendorSearchPublic.asp> or on the [U.S. Small Business Administration site](#). For assistance, contact Ivan Camacho at 503-229-5088, or camacho.ivan@deq.state.or.us.
- d) **Annual progress reports** and a **final report** are required. Progress reports provide an opportunity for grantees to share information regarding progress toward meeting performance targets and enable DEQ staff to offer assistance in meeting those targets.

5. Evaluation criteria

DEQ staff will evaluate Proposals. Reviewers will be looking for the following:

- Project addressing a watershed based planning priority as outlined in Section B
- Potential for project to achieve measurable results, and a reasonable implementation timeline
- A clear and concise environmental outcome statement
- Partnering with other stakeholders

6. How do I apply?

Submit a signed and **complete** application. An application fillable form is provided. Application proposals need to be sent to Ivan Camacho at Camacho.ivan@deq.state.or.us. Facsimiles are not accepted.

In addition to this 2020 Oregon 319 Request For Proposal, supporting documents for the applicant include:

1. A checklist to assist applicants with a complete proposal application
2. A fillable application form
3. A list of Oregon HUC 12 digit code numbering
4. A sample NPS Agreement
5. A sample Load Allocation Estimates report form

If your file is too large to be sent electronically, please provide electronic files in a CD.

Ivan Camacho
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Oregon Department of Environmental Quality
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Portland, OR 97232

7. Timetable for 319 NPS Grants

Table 1. Process and dates for 2020 319 Grant Program

Process	Time Frame
Request for Proposals released	March 16, 2020
Deadline for submission of proposals	April 24, 2020
Input provided to applicants on the status of applications	May 27, 2020
Recommendations for funding made to EPA, by *	June 26, 2020
Signature process and approval	To be determined
Project may begin. **	Fall 2020

* Recommendation of work plan to be included in NPS agreement depends on availability of federal 319(h) funds. Federal §319 budget is dependent on Congress's release of funds to EPA and is beyond DEQ's control. Continued budget reduction is likely due to EPA/NOAA disapproval of Oregon's Coastal Nonpoint Pollution Control Program.

** If an Applicant has not submitted necessary documentation to develop the NPS agreement, this process may be delayed.

8. For more information

For information and assistance regarding grant applications, please contact Ivan Camacho at 503-229-5088 or refer to the DEQ staff contact information for regional staff contacts.

Table 2. DEQ staff contact information

Region	Basin(s) / Groundwater Management Areas (GWMA)	Staff	Phone #
Eastern	John Day River Basin Lower Grande Ronde Malheur River Basin Miles Creeks Basin Umatilla River Basin Upper Klamath Lake Basin Walla Walla River Basin Western Hood River Basin Willow Creek River Basin	Tessa Edelen	541-633-2028
Northwest	Clackamas & Sandy, Molalla-Pudding	Kristi Asplund	503-229-6254
	Tillamook & North Coast	York Johnson	503-801-5092
	Tualatin	Andrea Matzke	503-229-5350
	Lower Willamette	Andrea Matzke	503-229-5350
Statewide	Drinking Water Source Protection	Julie Harvey Jacquie Fern	503-229-5664 541-686-7898
	Monitoring, Quality Assurance	Nick Haxton	503-693-5737
	NPS Education	Ivan Camacho	503-229-5088
	Riparian Forest Restoration	Josh Seeds	503-229-5081
	Clean Water State Revolving Fund	Lee Anne Lawrence	503-229-5622
	Pesticide Stewardship Program	Kevin Masterson	541-633-2005.
	NWQI	Gene Foster	503-229-5325
Western	Drinking Water Source Protection	Jacquie Fern	541-686-7898
	Umpqua	Heather Tugaw	541 776-6091
	Mid-Coast	David Waltz	541-687-7345
	Rogue Basin	Bill Meyers	541-776-6272
	South Coast	Bryan Duggan	541-269-2721 x234
	Mid-Willamette North Santiam, Pudding, Yamhill	Nancy Gramlich	503-378-5073
	Upper-Willamette – S. Santiam, Coast Fork, McKenzie, Middle Fork; Southern Willamette Valley Groundwater Management Area	Priscilla Woolverton	541- 687-7347

Section B.

Eligible Watersheds Where WBPs are in place, by Region

DEQ will only accept work plans addressing the implementation of Watershed-Based Plans, as referenced in the priorities outlined below. Proposals may either implement a portion of a plan, or a complete plan. All projects are designed to implement Best Management Practices (BMPs) in a manner that leads to significant reduction in the nonpoint source pollutant load to a waterbody.

Eastern Region Project Priorities

Table B-1

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
John Day River Basin (170702)	Bacteria, Temperature	Entire watershed	<p>Projects that address temperature and/or bacteria impairment:</p> <p>Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat and bacteria pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and bacteria and nutrient loading.</p> <p>Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p>
Imnaha Subbasin (17060102) Lower Grande Ronde Subbasin (17060106) Wallowa Subbasin (17060105)	Temperature	Private agricultural lands and within the City of Enterprise	<p>Projects that address temperature impairment:</p> <p>Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading.</p> <p>Implementation of efforts identified in the Water Quality Management Plans (WQMP).</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			<p>Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives.</p>
<p>Bully Creek Subbasin (17050118)</p> <p>Lower Malheur Subbasin (17050117)</p> <p>Middle Snake-Payette Subbasin (17050115)</p> <p>Upper Malheur Subbasin (17050116)</p> <p>Willow Creek Subbasin (17050119)</p>	Total Phosphorus	Private agricultural lands	<p>Projects that address temperature, nutrients, and/or bacteria impairment:</p> <p>Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat, nutrient, and bacteria pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and bacteria and nutrient loading.</p> <p>Implementation of efforts identified in the Water Quality Management Plans (WQMP).</p> <p>Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p>
Umatilla Subbasin (17070103)	Temperature	Entire watershed	<p>Projects that address temperature impairment:</p> <p>Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution.</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			<p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.</p>
Sprague River Subbasin (18010202) Williamson River Subbasin (18010201)	Temperature, Total Phosphorus	Private agricultural lands	<p>Projects that address temperature, nutrients, and/or bacteria impairment: Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat, nutrient, and bacteria pollution.</p>
Upper Klamath Lake Subbasin (18010203)	Total Phosphorus	Private agricultural lands	<p>Agriculture practices that reduce erosion, runoff, riparian degradation, and bacteria and nutrient loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			<p>and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.</p>
Walla Walla Subbasin (17070102)	Temperature	Entire watershed	<p>Projects that address temperature impairment: Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.</p>
Eightmile Creek Watershed (1707010502)	Temperature	Private agricultural lands	<p>Projects that address temperature impairment: Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution.</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
<p>Fifteenmile Creek Watershed (1707010503)</p> <p>Mill Creek-Columbia River Watershed (1707010504)</p> <p>Mosier Creek-Columbia River Watershed (1707010511)</p>			<p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.</p>
<p>Eagle Creek – Columbia River Watershed (1707010512)</p> <p>East Fork Hood River Watershed (1707010505)</p> <p>Hood River Watershed (1707010507)</p> <p>Mosier Creek – Columbia River Watershed (1707010511)</p> <p>West Fork Hood River Watershed (1707010506)</p>	Temperature	Entire watershed	<p>Projects that address temperature impairment: Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			instream flow, erosion control, large wood placement, and channel restoration.
Willow Creek Subbasin (17070104)	Temperature	Private agricultural lands and in Willow Creek Reservoir	<p>Projects that address temperature impairment: Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.</p>

Western Region Project Priorities

Table B-2

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
Long Tom River Watershed (1709000301)	Bacteria	Entire watershed	<p>Implementation of efforts identified in Water Quality Implementation Plans (WQIP) or Water Quality Management Plans (WQMP).</p> <p>TMDL implementation planning and implementation, particularly targeting storm water management and riparian buffers.</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			Agricultural practices that improve manure management, and practices that reduce erosion, runoff, and riparian degradation.
Little Butte Creek Watershed (1710030708)	Bacteria	Entire watershed	<p>Implementation of efforts identified in Water Quality Implementation Plans, Water Quality Management Plans, and Agriculture Watershed Management Plans.</p> <p>Agricultural practices that improve manure management, and practices that reduce erosion, runoff, and riparian degradation</p>
<p>Southern Willamette Valley Ground Water Management Area</p> <p>Long Tom River Watershed (1709000301)</p> <p>Marys River Watershed (1709000305)</p> <p>Muddy Creek Watershed (1709000302)</p>	Nitrate	Southern Willamette Valley Ground Water Management Area	Implementation of efforts identified in the Southern Willamette Valley GWMA Action Plan that will reduce nitrate and other pollutant loading to groundwater.
Tenmile Creek-Frontal Pacific Ocean Tenmile Lakes Watershed (1710030404)	Sediment, Total Phosphorus	Entire watershed	<p>Implementation of efforts identified in Water Quality Implementation Plans (WQIP) or Water Quality Management Plans (WQMP).</p> <p>TMDL implementation activities, including code/ordinance review, particularly targeting post construction storm water management and riparian buffers.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation.</p> <p>Targeted projects that would: lead to reductions in sediment and nutrient load reductions, wetland acquisition, wetland protection and restoration, and riparian protection and restoration.</p>

Northwest Region Project Priorities:

Table B-3

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
<p>Lower Johnson Creek Watershed (170900120103)</p> <p>Upper Johnson Creek Watershed (170900120101)</p>	Temperature	Private agricultural lands and within the City of Portland and City of Gresham	<p>Identification, summarization, and evaluation of implemented or planned management practices</p> <p>Analysis of water quality status and trends to assess effectiveness of implementation actions</p> <p>Compile and format continuous temperature data for submission to DEQ's AWQMS database.</p> <p>Restoration projects that address temperature impairments:</p> <p>Examples:</p> <ul style="list-style-type: none"> • Riparian and in-channel restoration (e.g. native planting, erosion control, large wood placement) • Riparian projects with livestock exclusion fencing or off channel watering applications, or removal and/or better management of inline ponds
<p>Nehalem River Subbasin (17100202)</p> <p>Wilson / Trask / Nestucca Subbasin (17100203)</p>	Bacteria, Temperature	Entire watershed	<p>Identification, summarization, and evaluation of implemented or planned management practices</p> <p>Analysis of water quality status and trends to assess effectiveness of implementation actions</p> <p>Compile and format continuous temperature data for submission to DEQ's AWQMS database.</p> <p>Projects that address temperature and/or bacteria impairments:</p> <p>Examples:</p> <ul style="list-style-type: none"> • Riparian and in-channel restoration (e.g. native planting, erosion control, large wood placement) • Riparian projects with livestock exclusion fencing or off channel watering applications, or removal of inline ponds

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			<ul style="list-style-type: none"> Storm water or other projects that address bacteria impairments Projects within drinking water source areas that address temperature and/or bacteria impairments and are documented in DEQ/OHA Source Water Assessments or public drinking Water Protection Plans. <p>Public drinking water source areas (see http://www.oregon.gov/deq/wq/programs/Pages/DWP-Maps.aspx for locations)</p>

Statewide Project Priorities:

Watershed Name (HUC)	Pollutant	Project Need
All watersheds with a Temperature focus identified in Table B-1 through Table B-3.	Temperature	<p><i>Assessment methods for monitoring the status and trends of riparian condition and effective shade on a consistent and cost effective basis</i></p> <p>Examples:</p> <ul style="list-style-type: none"> Develop statewide map of riparian canopy cover. Develop statewide map of riparian vegetation height. Develop statewide map of riparian vegetation composition. Quantify the relationship between riparian condition and effective shade. Remote sensing analysis of riparian condition change. Collection of riparian condition field data.
All watersheds identified in Table B-1 through Table B-3.	See Tables Table B-1 through Table B-3	<p><i>Projects to evaluate the status of TMDLs or approved watershed based plan objectives.</i></p> <p>Examples:</p> <ul style="list-style-type: none"> Identification, summarization, and evaluation of implemented or planned management practices Analysis of water quality status and trends in relation to sequences of management practice implementation Assessment of the status of meeting TMDL or watershed based plan milestones <p>Development of alternative monitoring and assessment</p>