



State of Oregon  
Department of  
Environmental  
Quality

# **Oregon 319 Nonpoint Source Implementation Grants Application**

**Request for Proposals**  
Fiscal Year 2012



This report prepared by:

Oregon Department of Environmental Quality  
811 SW 6<sup>th</sup> Avenue  
Portland, OR 97204  
1-800-452-4011  
[www.oregon.gov/deq](http://www.oregon.gov/deq)

Contact:  
Ivan Camacho  
(503) 229-5088

# Request for Proposals

## **Oregon 319 Nonpoint Source Implementation Grants Application Fiscal Year 2012**

The Oregon Department of Environmental Quality (DEQ) is seeking proposals from government agencies, tribal nations and nonprofit organizations to address non-point sources (NPS) of pollution affecting coastal, river, lake, drinking and ground-water resources of the state. In Oregon, about \$1 million of federal grant dollars will be available under Section 319(h) of the Clean Water Act. Funding and oversight of selected proposals will be administered by the DEQ Water Quality Program, and all approved projects will be contracted with the DEQ.

DEQ has identified specific regional priorities for 319 Nonpoint Source Implementation Grant funds which can be found in Appendix A. Project proposals submitted to DEQ should reflect the listed priorities.

Applicants must contact their DEQ 319 Regional or State Contact with their project idea(s) prior to submitting a grant proposal. Contact information can be found in Table 2. DEQ encourages proposals that show a strong sense of collaboration and partnership with stakeholders, including other state, local, federal and/or tribal nations to ensure the most effective coordination of funding and matching from a variety of sources and to provide the greatest water quality benefit.

If your project is prioritized to receive funding, you will be asked to provide additional information as a requirement of the EPA grant program.

Oregon 319 NPS Program  
October 14<sup>th</sup> 2011



# Table of Contents

Request for Proposals ..... 3

    Who is eligible to apply? ..... 7

    How to apply and when..... 7

    Projects not eligible for funding ..... 8

    Type of proposals requested..... 9

    Matching requirements and recommendations ..... 10

    Federal tax identification number ..... 10

    Ranking factors for project selection ..... 10

    Water quality monitoring projects..... 10

    NPS Grant Implementation Agreement ..... 11

    Reporting and documenting project implementation..... 11

    Deadline and administration..... 11

Application for Oregon 319 Nonpoint Source Implementation Grants FY 2012..... 15

Appendix A DEQ Priorities for 319 NPS Implementation Grants..... A-1

    Eastern Region Project Priorities:..... A-3

        TMDLs/303(d) Development and Implementation and Watershed Approach  
Implementation..... A-3

    Eastern Region Project Priorities: TMDLs/303(d) Development and Implementation  
and Watershed Approach Implementation ..... A-5

    Eastern Region Project Priorities: Groundwater Management Areas (GWAMs) ..... A-9

    Eastern Region Project Priorities:..... A-11

    Drinking Water Source Protection (DWSP) ..... A-11

    Western Region Project Priorities: ..... A-12

        TMDLs/303(d) Development and Implementation and Watershed Approach  
implementation..... A-12

    Western Region Project Priorities: ..... A-18

    Groundwater Management Areas (GWAMs)..... A-18

    Northwest Region Project Priorities: Drinking Water Source Protection (DWSP).... A-19

    Northwest Region Project Priorities:..... A-20

    TMDLs/303(d) Development and Implementation..... A-20



## Who is eligible to apply?

The following agencies and organizations are eligible to apply for and receive 319 funds:

- Federal, state and local governments
- Public and private nonprofit organizations and institutions
- Tribal nations within Oregon

## How to apply and when

A fillable electronic application can be found at: <http://www.deq.state.or.us/wq/nonpoint/grants.htm>

DEQ is accepting proposal applications for the Fiscal Year 2012 grant cycle through Friday, **Dec. 30, 2011**. Complete applications must be submitted in a PC/MAC compatible digital format such as WORD on a CD/DVD as well as a hard copy, by 5 pm, **Dec. 30, 2011**. Facsimiles are not accepted. **Complete scanned application be submitted at any DEQ office.** Please contact Ivan Camacho at (503) 229-5088 or refer to Table 2, DEQ staff contact information, for regional staff contacts. You can also visit: <http://www.deq.state.or.us/about/locations.htm> for a list of the regional offices and their addresses.

A complete application package consists of the electronic application, a hard copy of the full application, and should include:

- I. Project information cover page (Section A)
- II. Project description and supporting information following the guidelines (Sections B through G)
- III. Attachments to include with application (Section H)

<b>Oregon DEQ Regional Offices</b>		
<b>Office</b>	<b>Address</b>	<b>Phone Number</b>
<b>Bend</b>	475 NE Bellevue Dr., Suite 110 Bend, OR 97701	541) 388-6146
<b>Coos Bay</b>	381 N. Second St. Coos Bay, OR 97420	(541) 269-2721
<b>Eugene</b>	165 East 7th Avenue, Suite 100 Eugene, OR 97401	(541) 686-7838
<b>Gresham</b>	1550 NW Eastman Parkway, Suite 290 Gresham, OR 97030	503-667-8414
<b>Hermiston</b>	256 East Hurlburt, Suite 105 Hermiston, OR 97838	(541) 567-8297
<b>Medford</b>	221 Stewart Ave., Suite 201 Medford, OR 97501	(541) 776-6010
<b>North Coast Branch Office</b>	65 N Highway 101, Suite G Warrenton, OR 97146	503-861-3280
<b>Northwest Region</b>	2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987	503-229-5263
<b>Pendleton</b>	700 SE Emigrant, #330 Pendleton, OR 97801	(541) 276-4063
<b>Salem</b>	750 Front St NE, #120 Salem, OR 97301-1039	(503) 378-8240
<b>The Dalles/Columbia Gorge</b>	400 E Scenic Dr., #307 The Dalles, OR 9705	(541) 298-7255
<b>Tillamook Office</b>	2310 First Street, Suite 4 Tillamook, OR 97141	503-842-3038

## Projects not eligible for funding

The following types of projects are low priorities for the NPS Program and will not be considered for funding:

- Projects that install Best Management Practices (BMP) to meet MS4 permit requirements, with the exception of demonstration projects that are directly transferable to other communities;
- On-site wastewater treatment system projects that are for routine maintenance or repair of existing on-site systems;
- Routine replacement of culverts; and
- Projects to specifically protect infrastructure on U.S. Forest Service (USFS) or Bureau of Land Management (BLM) roads or lands.

DEQ anticipates award of up to approximately 8 grant(s) per region under this announcement ranging in value from \$10,000 to \$60,000, subject to the availability of funds and quality of evaluated proposals.

Proposals requesting funding below or above the expected range of award will be considered. Due to limited funds available, submittal of proposals that request more than \$160,000 of 319 funds is discouraged, unless there is substantial benefit to the Agency.

DEQ reserves the right to make additional awards under this announcement if additional funding becomes available after the original selections. DEQ reserves the right to make fewer awards than anticipated.

## **Type of proposals requested**

Applicants are strongly encouraged to discuss proposal idea(s) with the appropriate DEQ contact person (Table 2) early in the development of the 319 proposal. The appropriate DEQ contact person can assist to identify NPS priorities in the applicant's area and provide guidance on the development of an application. Appendix A outlines Oregon's Fiscal Year 2012 NPS priorities for the 319 grant program. Proposals must focus on addressing the priorities listed in Appendix A. In addition, proposals must describe how the project will contribute to achieving measurable environmental results.

DEQ may consider funding proposals for priorities not listed in Appendix A, provided that the applicant engages in a pre-proposal conversation with the appropriate DEQ contact person and makes a clear and well-founded case that the proposal addresses a high priority NPS need. Exceptional project proposals for stream restoration, effectiveness monitoring and pollutant reduction in non-priority basins will be considered.

### **Partial Funding**

In appropriate circumstances, DEQ reserves the right to partially fund proposals by funding discrete portions or phases of proposed projects.

## Matching requirements and recommendations

All projects must include non-federal matching funds of at least 40% of the project's total costs. **To calculate the minimum required match, multiply the amount of 319 funds you are requesting for your project by two-thirds.**

<b>For example, if the 319 contribution cost to the proposed project is:</b>	<b>The match would be calculated by multiplying by 2/3 (0.66)</b>	<b>Total cost of project would be:</b>
\$100,000	\$66,000	\$166,000
\$45,000	\$29,700	\$74,700

Applicants are encouraged to investigate partnering opportunities with the Oregon Watershed Enhancement Board grant program: <http://www.oregon.gov/OWEB/GRANTS/index.shtml>

## Federal tax identification number

Grant recipients are required to provide a valid federal tax identification number. Payments will be issued only to the named Recipient and the federal tax identification number must be owned by the Recipient. If there are cases where a grant recipient is not able to obtain a federal tax identification number before submitting a proposal, the federal tax identification number must be obtained before the agreement signature process begins.

## DUNS number

The Federal Funding Accountability and Transparency Act (FFATA), Public Law 109-282 as amended and associated Office of Management and Budget (OMB) directives, now require a current Dun and Bradstreet Data Universal Numbering System (DUNS) number. Compliance with providing the DUNS number as part of the grant application will be verified as part of the administrative review process. The DUNS number will supplement other identifiers required by statute or regulation, such as tax identification numbers. Free registration and DUNS numbers may be requested at: <http://fedgov.dnb.com/webform>. The DUNS Number may be requested via the web and/or the dedicated toll-free DUNS Number request line at (866) 705-5711. Please do not delay requesting a DUNS number; requests for expedited numbers require payment of a fee. Funds cannot be awarded until a DUNS number is submitted.

## Ranking factors for project selection

Project proposals will be evaluated and prioritized for funding based on how well the proposal addresses a DEQ priority in Appendix A. For projects with focus on priorities not in Appendix a contact the DEQ 319 Grant Project Officer to determine if your project would be a priority for DEQ.

## Water quality monitoring projects

Applicants with projects that include a water quality monitoring component are encouraged to contact DEQ regarding the sampling and analysis procedures, methods and strategy. For information on this subject, please refer to the documents listed on the DEQ web page: <http://www.deq.state.or.us/lab/techrpts/technicaldocs.htm>.

Successful applicants proposing a monitoring strategy will be required to

- Develop a sampling plan prior to data collection.
- Submit electronic data to DEQ at the conclusion of the project.

## NPS Grant Implementation Agreement

Successful applicants will be expected to work with DEQ in establishing a NPS Implementation Grant Agreement. For reference, please refer to a sample agreement included in Appendix B. As part of this agreement additional information will be required, including but not limited to:

- Updated work plan
- Indirect cost plan, if reimbursement of indirect costs are part of the 319 budget.
- Enter project implementation information in the Oregon Watershed Restoration Inventory, (OWRI is the single largest database containing information about restoration projects in the western United States. This database originated as the means to track detailed information about the restoration efforts undertaken in the name of the Oregon Plan for Salmon and Watersheds). The 319 funded projects required to enter data into Include the following:
  1. Activities designed to restore aquatic, riparian, estuarine, wetland, upland, or overall watershed conditions or functions
  2. Completed projects or a completed phase of a project
  3. Activities above and beyond normal maintenance and management procedures in cases such as road and culvert improvements, erosion control, etc.

## Reporting and documenting project implementation

Successful applicants will be required to document the implementation progress of their project during the life of the project as well as submit quarterly reimbursement invoices.

The Grant Recipient must submit a final performance report at project completion (2 hard copies and in digital format). For multiyear projects the recipient must submit annual performance reports (in duplicate) no later than June 30<sup>th</sup> of each year during the life of the project.

Specific reporting requirements and report implementation templates will be provided to the applicant when the NPS agreement granting the 319 funds is established. For reference, please refer to Appendix B for a sample of the NPS Implementation Grant Agreement.

## Deadline and administration

Complete applications must be received by 5:00 PM on **December 30<sup>th</sup>, 2011** at any of the DEQ regional offices or headquarters. Facsimiles are not accepted. Following the close of RFP, DEQ will review the proposals and develop recommendations for funding that will be submitted to EPA Regional office. Interim and final dates for release of funds in the §319 grant program are dependent upon a number of factors, including some that are outside of DEQ's control, (e.g., EPA's budget allocations, etc). Refer to Table 1 for projected timeframes. Applicants should develop realistic schedules within their proposals and identify any activities that are dependent upon specific timeframes (month of year, seasonal work or other milestones).

All approved projects will be contracted with the Oregon Department of Environmental Quality.

**Table 1. RFP and 319 2012 grant schedule**

November 7th 2011	RFP is released
December 30th 2011	RFP period closes, applications due to DEQ Headquarters or DEQ Regional Offices by 5:00 PM.
May 2012	Notification of applicants on funding recommendations.
June 2012	EPA's release of funds to the State. Timing for release of these funds is dependent on passage of approval EPA's budget.
July - August 2012	Begin drafting NPS agreements.
August 2012	Earliest date for starting projects
September 2014	Projects should be completed on or before this date.

Oregon 319 Non-point Source Implementation Grants Application

**Table 2. DEQ staff contact information**

<b>REGION</b>	<b>BASIN</b>	<b>STAFF</b>	<b>PHONE #</b>
Eastern	Burnt – Powder River Basin	John Dadoly	(541) 278-4616
	Deschutes Basin	Bonnie Lamb	(541) 633-2027
	Goose and Summer Lakes	Don Butcher	(541) 278-4603
	Grande Ronde, Imnaha, Wallowa Basins	Don Butcher	(541) 278-4603
	Hood Basin	Bonnie Lamb	(541) 633-2027
	John Day Basin	Don Butcher	(541) 278-4603
	Klamath Basin	Steve Kirk	(541) 633-2023
	Malheur Lakes Basin (Steens and Alvord area)	Don Butcher	(541) 278-4603
	Malheur River Basin (including Willow and Bully Creeks)	John Dadoly	(541) 278-4616
	North Malheur County and Lower Umatilla Basin GWMA	Phil Richerson	(541) 278-4604
	Owyhee River Basin	John Dadoly	(541) 278-4616
	Snake River-Hell’s Canyon	Tonya Dombrowski	(541) 633-2030
	Umatilla Basin	Don Butcher	(541) 278-4603
	Walla Walla Basin	Don Butcher	(541) 278-4603
	Willow Creek Subbasin	Don Butcher	(541) 278-4603
Northwest	Clackamas & Sandy Basins	Steve Mrazik	(503) 229-5379
	Molalla & Pudding Basins	Karen Williams	(503) 229-6254
	Tillamook & North Coast basins	Bruce Apple York Johnson	(503) 842-3038 (503) 322-2222
	Tualatin Basin	Avis Newell	(503) 229-6018
Statewide	Columbia River - Mainstem	Agnes Lut	(503) 229-5247
	Drinking Water Source Protection	Sheree Stewart Jacqueline Fern	(503) 229-5413 (541) 686-7898
	Monitoring, Quality Assurance	Steve Hanson	(503) 693-5737
	NPS Education	Ivan Camacho	(503) 229-5088
	Riparian Forest Restoration	Ryan Michie	(503) 229-6162
	State Revolving Fund	Larry McAllister	(503) 229-6412
Western	Rogue Basin	Bill Meyers Heather Tugaw	(541) 776-6272 (541) 776-6091
	South Coast Basins	Pam Blake	(541) 269-2721 x227
	Mid-Coast Basin Streams Mid-Coast Basin Lakes	David Waltz	(541) 687-7345
	Umpqua Basin	David Waltz Heather Tugaw	(541) 687-7345 (541) 776-6091
Willamette	Willamette- Lower	Doug Drake	(503) 229-5350
	Willamette – Upper, Middle, including North Santiam, Pudding, Yamhill	Nancy Gramlich	(503) 378-5073
	Willamette – S. Santiam, Middle Fork, McKenzie, Coast Fork	Pamela Wright	(541) 686-7719
	Southern Willamette Valley GWMA	Audrey Eldridge	(541) 776-6029



# Application for Oregon 319 Nonpoint Source Implementation Grants FY 2012

To apply for an Oregon 319 Non-point Source Implementation Grant FY 2012 please complete Sections A through I in the order listed and using the headings given. The sections are:

1. Section A: Summary information cover page
2. Section B: Project information
3. Section C: Project Work Plan
4. Section D: Project Assessment and Monitoring Project Requirements
5. Section E: Project Organization Information
6. Section F: Project Partners and Match Funding
7. Section G: Project Budget
8. Section H: Attachments

The application must be submitted using this format. All sections must be answered to be considered for funding.

If using the fillable form provided as a download, Sections B and H require preparation of a separate document providing the requested information. Please attach this as a separate document when submitting the fillable form.

**Complete applications must be submitted in a PC/MAC compatible digital format such as WORD on a CD/DVD as well as a hard copy, by 5 pm, Dec. 30, 2011.**





# 319 Grant Program

## Request for Proposals

### A. Summary Information

1. Project Name:

2. Name of Applicant:

3. Address of Applicant:

4. Phone Number:

5. Email Address:

6. DUNS Number

7. Federal Tax ID Number:

8. Type of Organization (e.g. watershed council, county, non-profit, etc.):

9. Project Manager:

10. Proposed Start Date:

11. Proposed End Date:

<p>12. Nonpoint source priority for this grant:</p> <p><input type="checkbox"/> TMDL implementation      <input type="checkbox"/> Management area</p> <p><input type="checkbox"/> 303(d) listed streams      <input type="checkbox"/> Drinking water source area</p> <p><input type="checkbox"/> Groundwater      <input type="checkbox"/> Other</p>	
<p>13. If Total Maximum Daily Load (TMDL), please provide name:</p> <p><input type="checkbox"/> TMDL Approved      <input type="checkbox"/> TMDL Developing      <input type="checkbox"/> Not applicable</p>	
<p>14. If this project is in a Groundwater Management Area, please identify which one:</p> <p><input type="checkbox"/> Northern Malheur County      <input type="checkbox"/> Lower Umatilla Basin      <input type="checkbox"/> Southern Willamette Valley</p>	
<p>15. If this project is in a Drinking Water Source Area, please provide Public Water System (PWS) identification number:</p>	
<p>16. Provide 12-digit Hydrological Unit Code (HUC) of the project. <i>(use the following link to identify the 12-digit HUC of the project:</i> <a href="http://map24.epa.gov/mwm">http://map24.epa.gov/mwm</a>)</p>	
<p>17. If your project is not a priority listing (see Appendix A of this RFP) please describe your reasons for considering this project a priority:</p>	

319 funds requested:	
Match calculated:	
Match local:	
Match other:	
Other federal funds:	
Total budget:	

**B. Project Information**

Please provide the information requested below. This information will be used by DEQ during the application review process. If the project is funded, will become part of the NPS agreement.

<b>Project Summary</b>	
	Describe in 500 words or less: <ol style="list-style-type: none"> <li>1. the project location</li> <li>2. 303(d) listed waterbodies</li> <li>3. the beneficial uses, water resources, or watershed problem the project will address</li> <li>4. the proposed solution to the stated problem</li> <li>5. the proposed work to be accomplished</li> <li>6. partners</li> <li>7. how the 319 funds will be used</li> </ol>
<b>Watershed or Project Area Priorities</b>	
	Identify the relationship between the proposed project and the 319 Area Priorities shown in Exhibit A. Include references or citations for project implementing a watershed or project area strategy, cite the document that describes the watershed or project area strategy, along with the specific task(s) or recommendations(s) from the watershed or project area strategy/plan that will be implemented through the proposed project.
<b>Project Goals and Objectives</b>	
Goals are general intentions and intangible; objectives are precise and tangible.	Describe: <ol style="list-style-type: none"> <li>1. the project goals (what you hope to achieve)</li> <li>2. measurable objectives</li> <li>3. how you intend to accomplish the goals and objectives</li> <li>4. the timeframe for achieving project goals and objectives</li> <li>5. how these goals and objectives complement any other ongoing water quality improvement projects within the project area</li> </ol>
<b>Tracking and Measuring Progress</b>	
	Describe: <ol style="list-style-type: none"> <li>1. list of pollutants that will be targeted</li> <li>2. estimated nonpoint source pollutant load reduction (where applicable)</li> <li>3. how the project will result in the estimated load reductions/projected improved water quality conditions</li> <li>4. the plan for tracking and measuring progress towards achieving the expected project goals and objectives</li> </ol>

### C. Project Work Plan

The work plan should be presented by task (with sub-tasks, as necessary), including a brief narrative description and an estimate of the time period over which the task will occur. For each task, include an estimated percentage of time and the responsible party. The total estimated percentage of grantee time must equal 100 percent. For each task, identify the resulting product(s).

#### Project Title

Project Element	Description	Time Frame	% of Grantee Time	Responsible Staff/Agency	Resulting Product(s)

### D. Project Assessment and Monitoring Projects Requirements

Successful 319 applicants receiving funding will be expected to evaluate or estimate the benefit of the water quality improvements resulting from the project.

In preparing your project application, please describe your strategy for project evaluation. An evaluation is required for all projects to measure the degree that implementation is achieving the stated goals. The evaluation component of your project should be designed to detect changes that result from the project using metrics appropriate to the project and the stated goals.

We realize that certain types of environmental improvement may require assessment over several years, if not decades. We believe that it is important to consider the scale of change that will result from your project (site specific, stream reach, sub-basin or larger). It is also helpful to consider linkages to other monitoring efforts such as those conducted by the state, federal agencies and local units of government and volunteer groups that will be carried out during the project time frame.

As part of this evaluation, please provide the following information:

**Qualitative assessments.** Describe how the project implementation will be evaluated, including how success will be defined, estimated or calculated and an evaluation time frame (even if it extends beyond the time frame of the grant).

Qualitative Assessment	How It Will Be Evaluated	Evaluation Time	Result

Quantitative assessments are strongly encouraged, particularly to document pre- and post- project implementation benefits. We encourage the applicant to work with DEQ in this effort to assure that the project is designed to produce meaningful results (e.g., an appropriate sample size to draw statistically valid conclusions, number and types of best management practices (BMPs) implemented and expected NPS pollutant reduction, etc).

Applicants proposing to perform environmental measurements as part of the project or evaluation (water quality, macro-invertebrate populations, stream morphology, etc.) should:

- State the purpose of the monitoring.
- Describe the data management and statistical analysis to be applied to the data.
- Complete the following table as part of this section.

Parameter	Analytical Technique	Number of Sample Locations	Sampling Frequency

All projects that include water quality monitoring activities for evaluation or project guidance will be required to submit a Quality Assurance Project Plan (QAPP) as part of the final NPS Agreement for review and approval by DEQ (not with this application). Grant funds will not be released for monitoring activities and/or match funds addressed by monitoring activities will not be credited until a QAPP has been approved by DEQ. Please contact the appropriate NPS Program Staff listed in **Table 2** for additional information and guidance. Applicants are encouraged to contact DEQ Volunteer Monitoring Coordinator, Steve Hansen (503) 693-5737 to receive advice and assistance in developing the project proposal or project implementation.

**E. Project Organization Information**

**Organization:** Briefly state the sponsoring organization’s mission, goals, relevant programs, activities, and accomplishments.

**Staff:** Describe the relevant qualifications of project staff that will ensure the success of the project.

**319 Experience:** List any previous 319 grants which the organization has received or partnered on.

**F. Project Partners and Match Funding**

In the table below, show all anticipated funding sources (including your 319 grant fund request) and indicate the status of funding and the nature of the contribution. Be sure to provide a dollar amount or value for each funding source. If participation is in-kind, briefly describe the nature of the contribution in the first column.

Letters of support or commitment are required from all funding partners committing a specific amount of time, money, activities or other specified resource reflected in budget.

Funding Source (if in-kind, briefly describe the nature of the contribution)	Cash (X)	In-Kind (X)	Secured (X)	Pending (X)	Amount/Value
					\$
					\$
<b>Total estimated funds:</b>					\$

### G. Project Budget: Oregon NPS Implementation Grant

Complete the project budget page. Budget summary in Section A should correspond to the budget included in this table.

	Unit	Unit Cost	Donated Services/Supplies	Match Funds	319 Funds	Total Costs
<b>Personnel</b> (Position, title, wages, benefits, etc.)						
<b>Travel</b> (Mileage, per diem, lodging, training, etc.)						
<b>Contracted Services</b>						
<b>Supplies/Materials</b>						
<b>Production Costs</b>						
<b>Educational/ Outreach Costs</b> (Video production, printing, direct mail, kiosks, brochures, training, tours, workshops, etc.)						
<b>Equipment</b> (Items usable beyond end of the project with a value greater than \$100, i.e., rain gage, thermograph, Hach kits, etc.)						
<b>Subtotals</b>						
			\$	\$	\$	\$
Administration (Costs associated with administering the grant, e.g., fiscal management.)						
<b>Monitoring</b> (component to be monitored cost per year, number of years, and total cost)						
<b>Totals</b>						
			\$	\$	\$	\$

## **H. Attachments**

Maps of the project and vicinity should be submitted by all applicants. Letters of commitment, contractor's qualifications, statement on hydrology/morphology, site plans, and site photos must be submitted as appropriate.

### **Map(s)**

Maps should not be larger than 8½" x 11". All maps should include a locator map identifying the location of the proposed project site relative to major geographical features.

#### For Implementation Projects:

A map delineating the project area (watershed/GWMA/source water protection area) in relation to the critical area(s) and identifying the specific location of each site proposed for restoration/water quality improvement activities.

#### For Planning Projects:

A map delineating the boundaries of the project area. The map should show all affected water/waterbodies.

The following attachments are to be submitted as appropriate:

### **Letters of commitment**

Required for all proposals that include local, non-Federal match from partners. These are letters from partners in the project committing a specific amount of time, money, activities, or other specified resources for the project and reflected on the budget. General letters of support (those not showing time, money, or specific resource commitment) are not required.

### **Contractors qualification**

Required for all proposals with entries in the contractual portion of the budget. The form should include the name and qualifications of all known contractors listed on the budget.

### **Statement on hydrology/morphology**

Required for all projects that propose major stream treatments or streambank stabilization. The statement must include detailed information on the hydrologic condition of the stream including if and how the hydrology has changed over time and the corresponding changes to the morphological stream conditions proposed under the project. An engineering evaluation, NRCS plan, or similar evaluation may be necessary to receive funding.

### **Site plan(s)**

Required for all proposals that propose implementing physical BMPs. A depiction of each project area showing all existing water bodies and structures as well as the proposed treatment.

### **Site photo(s)**

Required for all proposals that propose implementing physical BMPs. A depiction of each project area showing all relevant existing (i.e., pre-project) conditions.

Oregon 319 Non-point Source Implementation Grants Application



State of Oregon  
Department of  
Environmental  
Quality

# **Appendix A**

## **DEQ Priorities for 319 NPS**

### **Implementation Grants**









## Eastern Region Project Priorities: TMDLs/303(d) Development and Implementation and Watershed Approach Implementation

Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d) and Watershed Approach	Water Quality Problem	Project Need
<p><b>Deschutes Basin</b></p> <p>Channel and Riparian Restoration</p> <p>Increased Instream Flow</p> <p>Erosion Control</p>	<p>Basin-wide</p>	<p>Watershed Approach completed</p>	<p>Temperature Flow Sediment / turbidity Habitat Groundwater quality Nutrients/bacteria</p>	<p>Stream channel and riparian restoration projects should target activities in the area of on-going multi-year, multi-agency project work. Targeted restoration project elements include restoring morphologic function (increased sinuosity, decreased width/depth ratios, floodplain reconnection), revegetation of riparian area, increased instream flow, riparian fencing. Proposed project(s) are expected to include an extensive portion of the stream channel over time rather than isolated small-length segments. Projects correlated with and/or adjacent to other restoration work will be given priority.</p> <p>Targeted water conservation projects directed at increasing instream flows, especially summer-time flows. Projects directed at permanent increases in instream flows will be given priority over short-term or temporary increases in instream flow.</p> <p>Targeted erosion control projects to improve streambank stabilization, improve land management and conservation cropping techniques and reduce associated pollutant transport to surface waters. Project elements should include the design and implementation of programs to reduce</p> <ul style="list-style-type: none"> <li>• Sediment, nutrient, bacteria and pesticide loading to surface waters</li> </ul> <p>Project elements should also include tools for public education and outreach and analysis of outreach success. Projects correlated with and/or adjacent to other implementation work will be given priority.</p>

Oregon 319 Non-point Source Implementation Grants Application

Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d) and Watershed Approach	Water Quality Problem	Project Need
Water Quality Monitoring and Pollutant Source Characterization				<p>Targeted water quality monitoring and pollutant source characterization projects are those that include development and implementation of monitoring programs specific to the assessment of water quality and characterization of sources of:</p> <ul style="list-style-type: none"> <li>• Bacteria, nutrients, dissolved oxygen and/or pH in surface water</li> <li>• Nitrate and bacteria data in groundwater</li> </ul> <p>Proposed project(s) are expected to include an extensive portion of the stream channel over time or an appropriate area for ground water characterization rather than isolated small segments or areas. Projects correlated with other monitoring efforts will be given priority.</p>
<p><b>Malheur River Basin</b></p> <p>Pollutant Source Characterization</p> <p>Nutrient Reduction</p> <p>Agricultural Implementation</p>	Malheur River Basin	TMDLs completed	<p>Temperature</p> <p>Dissolved Oxygen</p> <p>Bacteria</p> <p>Pesticides</p> <p>Nutrients</p>	<p>Targeted pollutant source characterization projects are those that include development and implementation of monitoring programs specific to the characterization of sources of:</p> <ul style="list-style-type: none"> <li>• Elevated water temperatures, nutrients, bacteria, and pesticide concentrations, and depressed dissolved oxygen in local surface and groundwater, and agricultural drains in support of targeting and refining TMDL implementation efforts and changes in management practices</li> </ul> <p>Proposed project(s) are expected to include an extensive portion of the stream channel over time rather than isolated small-length segments. Projects correlated with and/or adjacent to other restoration work will be given priority.</p> <p>Targeted nutrient reduction projects are those that include research, design and implementation activities that will reduce nutrient loading to the Malheur River, its tributaries and groundwater in the Northern Malheur County GWMA. Projects correlated with and/or adjacent to other restoration work will be given priority.</p> <p>Targeted agricultural implementation projects include riparian area restoration activities in the Malheur River Basin. Targeted project elements include revegetation, fencing, grazing management, irrigation management and effectiveness monitoring to characterize</p>

Oregon 319 Non-point Source Implementation Grants Application

Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d) and Watershed Approach	Water Quality Problem	Project Need
				watershed response to implementation projects.
Changes in Agricultural Tillage Practices				Targeted agricultural tillage projects include the design and implementation of programs to reduce tillage related impacts to water quality and increase public awareness of improved tillage practices. Targeted project elements include identification of mechanisms to provide ready local access to conservation tillage equipment for multiple producers/landowners, development of a public education program to increase public awareness of water quality concerns and their role in the solution of identified problems, designing and implementing tools for outreach specific to conservation tillage and analysis of outreach success. Proposed project(s) are expected to include substantial cropped acreage rather than small isolated sections. Projects correlated with and/or adjacent to other implementation work will be given priority.
Channel and Riparian Restoration				Basin-wide targeted riparian restoration project elements include restoring morphologic function (increased sinuosity, decreased width/depth ratios, floodplain reconnection), revegetation of riparian area, increased instream flow. Proposed project(s) are expected to include an extensive portion of the stream channel over time rather than isolated small-length segments. Riparian restoration projects should target activities in the area of on-going project work whenever possible. Projects correlated with and/or adjacent to other restoration work will be given priority.
<b>Walla Walla River - Mid Columbia Basin</b> Milton-Freewater Levee Assessment and Potential Restructure	Walla Walla River	TMDLs completed	Temperature	Targeted projects include the design and implementation of levee setbacks or restructure to allow increased sinuosity and floodplain reconnection while not contributing to downstream flooding risks. Targeted projects also include design and implementation of a community education program specific to the benefits and concerns associated with a levee setback. Projects should be designed to increase public awareness of water quality, fishery habitat and aesthetic improvements related to levee restructure. The Milton-Freewater Levee has been identified as a primary contributor to temperature increases in the river system.

Oregon 319 Non-point Source Implementation Grants Application

Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d) and Watershed Approach	Water Quality Problem	Project Need
Upstream Levee Set back / Removal Assistance Opportunities				<p>Feasibility, design, implementation and public information projects should be constructed with the goal of allowing water-quality issues to help guide the identification of future levee construction/repair options.</p> <p>Targeted projects include the design and implementation of levee setbacks or removal on stream segments upstream of the Milton-Freewater levee to allow the river to reconnect with the historic floodplain while not contributing to downstream flooding risks. These projects should be designed to increase public awareness of water quality, fishery habitat and aesthetic improvements related to levee restructure. Projects correlated with and/or adjacent to other implementation work will be given priority.</p>
Pesticide Stewardship Activities				<p>Targeted pesticide stewardship projects include the design and implementation of programs to reduce pesticide transport to surface and ground waters and related impacts to water quality and increase public awareness of improved pesticide use and application practices. Targeted project elements include development of methodologies to monitor and track trends associated with changes in application practices and development of a public education program to increase public awareness of water quality concerns and their role in the solution of identified problems, designing and implementing tools for outreach specific to reduction of pesticides in surface and ground waters and analysis of outreach success. Projects correlated with and/or adjacent to other implementation work will be given priority.</p>

## Eastern Region Project Priorities: Groundwater Management Areas (GWMA)

Basin/ Priority Activity	Specific Location	Status: GWMA	Water Quality Problem	Project Need
<p><b>Lower Umatilla Basin Ground Water Management Area (LUBGWMA)</b></p> <p>Action Plan</p>	<p>Umatilla Subbasin</p> <p>Middle Columbia Basin</p>	<p>Lower Umatilla Basin GWMA established in 1990</p>	<p>Nitrate-Nitrogen</p>	<p>Targeted projects include those specific to reduction of nitrogen concentrations in groundwater including:</p> <ul style="list-style-type: none"> <li>• Research and development of activities or products which will reduce nitrate loading to groundwater – Targeted projects should address one of the five potential nitrate sources identified in the GWMA.</li> <li>• Revise fertilizer guides and recommended BMPs – Revised guidelines should describe the deficiencies of the current documentation and the number of acres that will be affected by the revisions; as well as evaluate the environmental aspects of the revisions.</li> <li>• Document BMP implementation on the GWMA scale in a system that allows spatial analysis (e.g., GIS) – Develop and implement a program to track BMP implementation (temporally and spatially) to facilitate quantification and documentation of projects and allow analysis of and linkage to monitoring well water quality relative to BMP implementation.</li> <li>• Perform field scale BMP performance evaluations – Identify appropriate locations and mechanisms to perform evaluations of BMPs (both existing and experimental) at the field scale. Proposed project plans should have very well developed monitoring plans capable of documenting BMP performance.</li> <li>• Evaluation of the Mineralization N Test – Comparison of the mineralization N test to other commonly used analyses to allow more accurate budgeting of nitrogen in the GWMA.</li> <li>• Develop and implement groundwater workshop for growers and certified crop advisors – Develop and sponsor workshops specific to groundwater protection. Ensure that the content is consistent with the intent of the action plans and with groundwater protection goals of DEQ and ODA.</li> </ul>

Oregon 319 Non-point Source Implementation Grants Application

Basin/ Priority Activity	Specific Location	Status: GWMA	Water Quality Problem	Project Need
				<ul style="list-style-type: none"> <li>Develop outreach material/strategy for small acreage growers and/or lawn and garden care – Develop targeted outreach and education programs to educate and reduce loading from small acreage growers and homeowners within the GWMA.</li> </ul>
<p><b>Northern Malheur County Ground Water Management Area (NMCGWMA)</b></p> <p>Nitrate Reduction</p>	<p>Lower Malheur River Subbasin</p>	<p>Northern Malheur County GWMA established in 1989</p>	<p>Nitrate-Nitrogen</p>	<p>Targeted projects include:</p> <ul style="list-style-type: none"> <li>Research and development of activities or products which will reduce nitrate loading to groundwater – Targeted projects should address a potential nitrate source identified in the GWMA.</li> <li>Document BMP implementation on the GWMA scale in a system that allows spatial analysis (e.g., GIS) – Develop and implement a program to track BMP implementation (temporally and spatially) to facilitate quantification and documentation of projects and allow analysis of and linkage to monitoring well water quality relative to BMP implementation.</li> </ul>

## Eastern Region Project Priorities: Drinking Water Source Protection (DWSP)

Basin/ Priority Activity	Specific Location	Status: DWSP	Water Quality Problem	Project Need
All ER Basins	Public water supply wells that have significant nitrate risks.	Source Water Assessment is complete. GIS assistance can also be provided.	Nitrate	Targeted projects for reducing nitrogen loading to groundwater within the 10-year time-of-travel recharge zone for public water supply wells that have significant nitrate risks. (> 50% safe drinking water MCL levels). Activities can supplement GWMA implementation activities.
All ER Basins	Municipally owned DWSAs, especially recently acquired land.	Source Water Assessments complete. GIS assistance can also be provided.	Bacteria, sediment, turbidity	Projects addressing management and restoration of land in drinking water source areas (DWSAs) owned by Public Water Systems or owned by a community that relies on the Public Water System and its DWSA. Restoration of riparian and ecosystem functions, remediation of current or potential pollution sources, and bolstering system resiliency to natural disturbance and climate change to protect beneficial uses including drinking water.

## Western Region Project Priorities: TMDLs/303(d) Development and Implementation and Watershed Approach implementation

Western Region Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d)	Water Quality Problem	Project Need
Coos Sub-basin	4th field HUC	<p>Implementation Ready TMDLs are pending development.</p> <p>ODEQ proposes to implement a Watershed Approach in this Sub-basin.</p>	<p>303d listed parameters include; bacteria (Recreational Contact and Shellfish Growing) temperature, dissolved oxygen.</p> <p>Although not a 303d listed parameter reductions in sedimentation closely link to other 303d listed parameters.</p>	<p style="text-align: center;"><b>Assessment and Demonstration</b></p> <p>The State of Oregon has committed to implementing a Watershed Approach while preparing an “Implementation ready” TMDL for the Coos Watershed. DEQ is currently developing the first Oregon Implementation ready TMDL in the Mid Coast Basin.</p> <p>“Implementation ready” TMDLs provide clearer expectations for management entities and landowners regarding what actions are required under a TMDL, and implementation actions are based on specific BMPs. We anticipate extensive discussions with stakeholders during the Coos TMDL development process.</p> <p>As part of the development of Implementation Ready TMDLs DEQ welcomes projects that seek to implement alternatives to TMDLs referred to as Category 4B waters. The Clean Water Act recognizes that other pollution control requirements may obviate the need for a TMDL. A TMDL is not needed where Category 4B waters exist because other pollution control requirements are expected to result in the attainment of applicable water quality standards (WQS) in a reasonable period of time.</p> <p>While the 4B option has been used very infrequently in EPA Region 10, the potential benefits of streamlining the TMDL process to focus on remediation instead of the quantification of permissible loads are evident. Placing waters in Category 4B rather than conducting TMDL analysis may prove more cost effective and result in more rapid restoration of water quality. Model 4B demonstration projects are desired.</p>

Western Region Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d)	Water Quality Problem	Project Need
Sixes and Chetco Sub-basins	Sixes, Elk, New River Complex, Hunter, Pistol, and Winchuck estuaries.	4 <sup>th</sup> field TMDLs in development  Water Quality Management Plans completed for most areas.	303d listed parameters include bacteria, temperature, dissolved oxygen, pH, weeds and algae.	<p style="text-align: center;"><b>Data Management, Assessment, Planning</b></p> <p>Proposals which seek to better characterize WQ conditions in these small coastal estuaries are desirable. Similar WQ impairments make the development of a common approach to TMDL development and implementation through well defined recovery strategies desirable.</p> <p>This group of estuaries represents a unique assessment challenge. Many of these systems become bar bound in low flow periods and the presence of algal growth, especially periphyton, is remarkable. These small estuaries provide critical habitat for out migrating salmonids.</p> <p>Water quality studies focusing on dissolved oxygen and pH have not identified nutrient loading as a significant WQ driver. Nutrient utilization on a daily basis by periphyton is likely resulting in an under estimate of the role that nutrient cycling plays in diurnal DO and pH regimes.</p>
Coquille Sub-basin	Coquille 4 <sup>th</sup> HUC	TMDL and WQMP are near completion (2012)	Bacteria, temperature, dissolved oxygen, pH, chlorophyll a, algal toxins.	<p style="text-align: center;"><b>TMDL Development Outreach</b></p> <ul style="list-style-type: none"> <li>• Support education and outreach related to the Coquille Total Maximum Daily Load (TMDL) and Water Quality Management Plan (WQMP).</li> <li>• Facilitate joint Designated Management Agency (DMA) Water Quality Implementation Planning processes.</li> <li>• Develop watershed restoration and enhancement strategies for integration into existing Action Plans with strong linkages to load reduction goals identified in the TMDL.</li> </ul>
South Coast Basin	Cities of Coos Bay and North Bend.	4 <sup>th</sup> field TMDLs in development	Urban stormwater management.	<p style="text-align: center;"><b>Monitoring and Planning</b></p> <p>Facilitate partnerships with local jurisdictions whose stormwater runoff and/or conveyance systems discharge to sensitive areas (e.g. shellfish growing, recreation). Focus on better defining pollutant loading into urban streams and estuaries and support the</p>

Oregon 319 Non-point Source Implementation Grants Application

Western Region Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d)	Water Quality Problem	Project Need
				implementation of Storm Water Management Plans developed by local jurisdictions.
	In conjunction with land development activities		Land development practices modifying hydrology and increasing pollutant delivery.	<p style="text-align: center;"><b>Demonstration</b></p> Identify specific sensitive areas and implement demonstration stormwater best management practices and/or Low Impact Development (LID) projects. Utilize sites to conduct outreach.
South Coast Basin	Coastal Lakes	Tenmile TMDK Adopted. Other lakes will be addressed as part of 4 <sup>th</sup> field TMDLs in development	Source Water Protection, harmful algal blooms, excessive nutrient loading.	<p style="text-align: center;"><b>Onsite Septic Program (Coastal Zone)</b></p> Education and outreach regarding new maintenance and inspection requirements in Oregon's coastal zone.
Coos Sub-basin	Tenmile Lake - 5th field HUC	TMDL Adopted	Excess nutrient loading resulting from land management activities.  Nuisance and Harmful algae blooms exceeding human health guidelines.	<p style="text-align: center;"><b>WQIP Implementation</b></p> Continue to work in partnerships with Designated Management Agencies' to implement high priority projects identified in WQIPs (Water Quality Implementation Plans).  <p style="text-align: center;"><b>Weed Management</b></p> Demonstrate in lake invasive weed management control measures as identified in the Aquatic Weed Management Plan. Conduct outreach and build partnerships with lakefront landowners
Mid-Coast Basin Assessment and BMP implementation	Siletz-Yaquina, Alsea Subbasins	303(d) listings; TMDL being developed	Beneficial use impairments due to bacteria, temperature, dissolved oxygen, turbidity & sedimentation	Water quality monitoring to better quantify sources of nonpoint source pollutant loading, identify trends and assist with prioritization of sites for BMP implementation;  Development and implementation of riparian restoration projects to address temperature impairments and/or reduce sediment delivery on 303(d) listed streams and tributaries (or those listings proposed for 2010); projects within Upper Siletz drinking water source area (Siletz, Newport, Toledo) will

Oregon 319 Non-point Source Implementation Grants Application

Western Region Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d)	Water Quality Problem	Project Need
				<p>receive higher priority;</p> <p>BMP implementation to improve riparian conditions and/or reduce nonpoint source pollution</p>
Rogue Basin	Upper Rogue Middle Rogue Lower Rogue Applegate Illinois	TMDLs Adopted	Temperature Bacteria Nutrients and/or Sedimentation	<p>Implementation of efforts identified in Water Quality Implementation Plans (WQIP) or Water Quality Management Plans (WQMP). Potentially including:</p> <ul style="list-style-type: none"> <li>• Development or revision of riparian ordinance.</li> <li>• Stormwater management projects and planning for non-phase II communities.</li> <li>• Improvement of riparian shade and function, proposals must include long term maintenance plan.</li> <li>• Control sediment sources.</li> <li>• Irrigation improvement projects.</li> <li>• Science-based projects to restore floodplain connectivity and natural wood recruitment.</li> <li>• Development and/or implementation of outreach campaign utilizing social marketing strategies.</li> </ul>
Rogue Basin	Bear Creek	303(d) listing	Mercury	Investigation of Emigrant Lake 303(d) listing for mercury.
Rogue Basin	Upper Rogue	303(d) listing	Cyanobacteria (Blue-Green Algae)	Investigation of Lost Creek Lake, <b>Lake Slemac</b> or other 303(d) listed waterbodies for Cyanobacteria (blue-green algae).
Rogue Basin	Lower Rogue	Category 3B	Bacteria – shellfish standard	Investigation of the Rogue estuary 303(d) listing for bacteria.
Umpqua Basin-South Umpqua  BMP implementation & monitoring	Priority watersheds with specific load reduction and BMP needs identified in the TMDL/WQMP	TMDL Issued	Beneficial use impairments due to elevated bacteria, nutrients, & harmful algae blooms (HABs)	<p>Development and implementation of riparian condition protection and improvement activities identified in DEQ’s TMDL/Water Quality Management Plan (WQMP):</p> <p><a href="http://www.deq.state.or.us/WQ/TMDLs/docs/umpquabasin/umpqua/chpt7wqmp.pdf">http://www.deq.state.or.us/WQ/TMDLs/docs/umpquabasin/umpqua/chpt7wqmp.pdf</a></p> <p>including:</p> <ul style="list-style-type: none"> <li>• Riparian enhancement; restoration of riparian shade &amp; function</li> <li>• Control of livestock access to streams and off-channel watering</li> <li>• Stream bank and channel stability improvements</li> <li>• Source reduction BMPs for rural residential areas and “hobby” farms</li> </ul>

Oregon 319 Non-point Source Implementation Grants Application

Western Region Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d)	Water Quality Problem	Project Need
				<p>Monitoring of conditions and BMPs to assess effectiveness and/or trends.</p> <p>Projects involving multiple partners and located within public drinking water source areas will receive higher priority.</p>
<p>Umpqua Basin-Basin Wide</p> <p>Water Quality Implementation Plan (WQIP) Development</p>	<p>Land use under local government jurisdiction</p>	<p>TMDL Issued</p>	<p>All Impairments addressed in TMDL (relevant to DMAs' jurisdiction)</p>	<p>Technical and organizational assistance to DMAs (small municipalities and Douglas County) for WQIP development and implementation. Projects involving multiple DMAs will receive higher priority.</p>
<p>Willamette River Subbasins:</p> <ul style="list-style-type: none"> <li>• North Santiam</li> <li>• South Santiam</li> <li>• Upper Willamette (River Mile 108-187)</li> <li>• Coast Fork Willamette</li> </ul>	<p>Cities and agricultural areas in the North Santiam, South Santiam, and Upper Willamette Subbasins</p>	<p>TMDLs adopted and 303 (d) listings</p>	<ul style="list-style-type: none"> <li>• Bacteria</li> <li>• Dissolved Oxygen</li> <li>• Legacy and Current Use Pesticides</li> <li>• Mercury</li> <li>• Temperature</li> </ul>	<ul style="list-style-type: none"> <li>• Provide water quality monitoring data in and around small cities and lowland agricultural areas to assist designated management agencies with implementing TMDLs.</li> <li>• Target cities that are facing rapid growth and surface/ground water quality problems related to stormwater management. Address needs specific to their problems, especially around stormwater and stream temperature.</li> <li>• Partnerships involving small cities (population less than 10,000) counties and other entities within the same subbasin that collaborate to conserve/leverage limited resources to focus on water quality improvement specific to stormwater and temperature. Priority will be given to projects that address impaired surface waters and drinking water.</li> </ul>
<p>Willamette River Subbasins:</p> <ul style="list-style-type: none"> <li>• Pudding</li> <li>• Yamhill</li> </ul>	<p>Yamhill River tributaries (e.g., Mill Creek, Deer Creek, Willamina, Lower North Yamhill, Lower Panther Creek) Pudding River</p>	<p>TMDLs adopted, TMDLs in-progress and 303 (d) listings</p>	<ul style="list-style-type: none"> <li>• Bacteria</li> <li>• Dissolved Oxygen</li> <li>• Legacy and Current Use Pesticides</li> <li>• Mercury</li> <li>• Temperature</li> <li>• Turbidity</li> </ul>	<ul style="list-style-type: none"> <li>• Partnerships involving small cities (population less than 10,000) counties and other entities within the same subbasin that collaborate to conserve/leverage limited resources to focus on water quality improvement specific to stormwater and temperature. Priority will be given to projects that address impaired surface waters and drinking water.</li> <li>• Active riparian restoration projects to address temperature, sediment, bacteria, and pesticides. Priority will be given to projects adjacent to other implementation work and within sixth</li> </ul>

Oregon 319 Non-point Source Implementation Grants Application

Western Region Basin/ Priority Activity	Specific Location	Status: TMDLs/ 303(d)	Water Quality Problem	Project Need
	tributaries (e.g., Lower Silver Creek, Butte Creek, Rock Creek, Little Pudding, Zollner)			field hydrologic unit areas. • Implementation of agricultural BMPs focused on reducing bank erosion (e.g., riparian restoration to reduce erosion of sediment from tile drainage).

## Western Region Project Priorities: Groundwater Management Areas (GWAMs)

Western Region Basin/ Priority Activity	Specific Location	Status: GWMA	Water Quality Problem	Project Need
Western Region	Southern Willamette Valley Groundwater Management Area	GWMA	Nitrate in drinking water (groundwater)	<p><u>Outreach:</u> Using a “train the trainer” approach, conduct outreach to and between staff, Committee members, and public officials of agencies, organizations, and other entities involved with the GWMA. Use the results of the Social Marketing process (2011-2012) to determine how to talk to the public and various interest groups about groundwater. Prepare a consistent approach for use by all partners. Provide training and tools in an information kit to the GWMA partners, who will then be positioned to raise awareness by spreading the GWMA words/messages through presentations to various groups, meetings. Include PowerPoint presentation “GWMA 101, GWMA Basics fact sheet, a generic newsletter article in a journalistic style including a graphic and quotes, ready to insert. Organize, advertise, prepare, and present a training session for partners you will use this material.</p> <p><u>GWMA Committee:</u> Provide ongoing coordination support for the GWMA Committee. Coordinate and facilitate quarterly GWMA Committee meetings. Prepare GWMA Committee meeting materials, record and distribute meeting minutes.</p> <p>Update maps as needed for GWMA Committee and partner agency understanding of project.</p> <p>Update Action Plan to reflect the subcommittees and the GWMA Committee recommendations.</p> <p>Prepare updated report for DEQ review and approval.</p> <p>As the GWMA representative, attend Benton, Lane, Linn Water Resource Study Group meetings, construct and review materials, and provide technical assistance as requested.</p> <p><u>Volunteers:</u> Evaluate the appropriate set of volunteers (i.e., Neighborhood Well Monitors., Master Gardeners, etc.) who may be able to participate in a “Train the Trainer” event. The overall goal of this project would be to help develop grass roots educators, who can assist their neighbors and friends in understanding the source of their drinking water and protecting groundwater quality.</p> <p><u>Implementation:</u> Implement a priority strategy from the SWV GWMA Action Plan, or as identified by the focus group work to be completed in 2011. Continue to attend the SWV GWMA Committee meetings and provide updates on the outreach and education happenings.</p>

Acronyms:

BMP – Best Management Practice  
 DHS – Department of Human Services  
 DMA – Designated Management Agency  
 DWSA – Drinking Water Source Areas

DEQ – Department of Environmental Quality  
 GWMA – Ground Water Management Area  
 HABS – Harmful Algae Blooms  
 LID – Low Impact Development  
 TMDL – Total Maximum Daily Loads

SWV GWMA – South Willamette Valley Ground  
 Groundwater Management Area  
 WQIP – Water Quality Implementation Plan  
 WQMP – Water Quality Management Plan  
 WQS – Water Quality Standards

## Northwest Region Project Priorities: Drinking Water Source Protection (DWSP)

Areas identified can be found at: <http://www.deq.state.or.us/wq/dwp/results.htm>

Basin/ Priority Activity	Specific Location	Status: DWSP	Water Quality Problem	Project Need
All NWR Basins	Drinking water source areas with focus on riparian areas/sensitive areas affecting intakes and sensitive areas contributing to groundwater wells.	Source Water Assessments complete. GIS assistance can also be provided.	Bacteria, blue green algae, toxics), sediment, nutrients	Projects addressing higher risk non-point source potential contamination within sensitive areas based on data and recommendations from the DEQ/OHA Source Water Assessment reports and surface water sampling (by USGS and DEQ) including: household hazardous waste, stormwater, pesticides, agricultural crops, nurseries, forestry, and onsite septic systems. Projects that address drinking water threats, as well as impairment of other beneficial uses, are strongly encouraged.
All NWR Basins	Municipally owned DWSAs, especially recently acquired land.	Source Water Assessments complete. GIS assistance can also be provided.	Bacteria, sediment, turbidity	Projects addressing management and restoration of land in drinking water source areas (DWSAs) owned by Public Water Systems or owned by a community that relies on the Public Water System and its DWSA. Restoration of riparian and ecosystem functions, remediation of current or potential pollution sources, and bolstering system resiliency to natural disturbance and climate change to protect beneficial uses including drinking water.

## Northwest Region Project Priorities: TMDLs/303(d) Development and Implementation

Basin/Priority Activity	Specific Location	Status: TMDLs/ 303(d)	Water Quality Problem	Project Need
All NWR Basins/TMDL Implementation	Clackamas, Lower Willamette, Molalla, North Coast, Tillamook, Tualatin.	TMDLs completed	Temperature, Bacteria, Dissolved Oxygen, Nutrients (phosphorus), Sediment, Toxics (mercury)	<b>Riparian &amp; In-channel restoration</b> (erosion control). <b>Pesticide partnership projects</b> and/or specific toxic reduction projects. <b>Innovative storm water planning/tools, education and demonstration projects</b> (includes hydromodification modeling, tools, and low impact development approaches practices (LIDA)). <b>Agriculture BMPs</b> (includes fencing & digester projects)
All NWR Basins/TMDL Implementation	Clackamas, Lower Willamette, Molalla, North Coast, Tillamook, Tualatin.	TMDLs completed, Implementation plans in place	Temperature, Bacteria, Nutrients (phosphorus), Sediment, Toxics (mercury)	<b>Project or TMDL (watershed) Effectiveness Monitoring.</b> Evaluating effectiveness of projects, strategies, and desired outcomes (e.g., increased shade, lower pollutant levels, water quality TMDLs targets met).
Molalla R./TMDL Implementation	Mainstem	Completed December 2008	temperature	Restoration/protection activities in upper mainstem coordinated among BLM and other watershed groups;  TMDL implementation monitoring for cities of Canby and Molalla, Clackamas County, and DOGAMI.  Field studies and/or models to quantify hyporheic flow; Studies to better understand geomorphology and hydrology (specifically channel widening) that help identify stable restoration areas and reaches that should be protected.  Water conservation projects.
	North Fork		temperature	Riparian restoration; Monitoring pre/post logging; Road abandonment.
	Milk Creek, Gribble Creek		temperature	Riparian restoration; Stream flow monitoring.

## Northwest Region Project Priorities: TMDLs/303(d) Development and Implementation

Basin/Priority Activity	Specific Location	Status: TMDLs/ 303(d)	Water Quality Problem	Project Need
	Table Rock Fork		temperature	Riparian restoration/protection activities coordinated among BLM and other watershed groups; Road abandonment.
Lakes	Blue Lake	Data Collection	Nutrients Algae Invasive Weeds pH	Invasive weed harvesting/prevention/education efforts;  Pilot projects demonstrating invasive weed control techniques;  Boat cleaning station; Equipment and apparatus associated with aquatic weed and blue-green algae control;  Water quality, phytoplankton, and plankton project effectiveness monitoring.

Basin/Priority Activity	Specific Location	Status: DWSP	Water Quality Problem	Project Need
All NWR Basins	Drinking water source areas with focus on riparian areas/sensitive areas affecting intakes and sensitive areas contributing to groundwater wells.	Source Water Assessments complete. GIS assistance can also be provided.	Bacteria, blue green algae, toxics), sediment, nutrients	Projects addressing higher risk non-point source potential contamination within sensitive areas based on data and recommendations from the DEQ/OHA Source Water Assessment reports and surface water sampling (by USGS and DEQ) including: household hazardous waste, stormwater, pesticides, agricultural crops, nurseries, forestry, and onsite septic systems. Projects that address drinking water threats, as well as impairment of other beneficial uses, are strongly encouraged.
All NWR Basins	Municipally owned DWSAs, especially recently acquired land.	Source Water Assessments complete. GIS assistance can also be provided.	Bacteria, sediment, turbidity	Projects addressing management and restoration of land in drinking water source areas (DWSAs) owned by Public Water Systems or owned by a community that relies on the Public Water System and its DWSA. Restoration of riparian and ecosystem functions, remediation of current or potential pollution sources, and bolstering system resiliency to natural disturbance and climate change to protect beneficial uses including drinking water.

