



## EPA Region 10 Tribal 319 Program

### Nine Element Fact Sheet




[http://yosemite.epa.gov/R10/ecocomm.nsf/Watershed+Collaboration/State+Tribal+NPS/\\$FILE/Tribal-319-Nine-Elements.pdf](http://yosemite.epa.gov/R10/ecocomm.nsf/Watershed+Collaboration/State+Tribal+NPS/$FILE/Tribal-319-Nine-Elements.pdf)

Adapted from Tribal 319 2007 Guidelines, Section V. Watershed-Based Plans

Watershed-based plans developed and implemented to manage and protect against nonpoint source pollution using Clean Water Act §319 funding must address nine essential planning elements. This fact sheet summarizes the information you need to address under each element. We also provide links to “EPA’s Handbook for Developing Watershed Plans to Restore and Protect Our Waters” for additional information. A detailed explanation of the nine elements can be found in [Section 2.6](#) of the Handbook. Please use the Nine Element Check List (HL) when submitting a plan to Region 10.



## Nine Elements


 **Causes and Sources of Pollution.** *What are the watershed problems and threats?*

Identify the causes and sources of pollution that need to be controlled and future threats that need to be addressed to achieve the goals that you identify in the Water Quality – Based Goals Element.


Break down sources to subcategory level with estimates of the extent to which they are present in the watershed. For example, X number of dairy cattle feedlots needing upgrading, including a rough estimate of the number of cattle per facility; Y percent forest cover in need of

protection in a developing watershed; or Z linear miles of eroded streambank needing remediation.

Handbook Guidance: [Section 7.1: Analyze Data to Identify Pollution Sources. Pages 2-19](#)

 **NPS Management Measures.** *What are you going to do about the problem and threats and where will you do it?*

Describe the NPS management measures that will be used to achieve a water quality-based goal (described in the water quality element) and other watershed goals in the watershed-based plan. Identify critical areas where the measures will be implemented. Include maps where possible. [Section 9.4: Determine Load Reductions to Meet Environmental Targets. Pages 5-14](#)

 **Water Quality-based Goals.** *What are you hoping to achieve?*

Estimate the water quality-based goals you expect to achieve through implementation of the measures described in the management measures element. If you do not have information to make specific estimates, water quality-based goals may include narrative descriptions and best professional judgment based on existing information. If possible, identify specific water quality-based goals such as:

- Protection of high quality waters.
- Load reductions.
- Water quality standards for one or more pollutants or uses.
- NPS total maximum daily load allocations.

- Measurable, in-stream reductions of a pollutant.
- Protection of or improvement in a parameter that indicates stream health (e.g., increases in fish or macroinvertebrate counts).

[Section 7.4: Summarize Causes and Sources Pages 7-17](#)



**Technical and Financial Assistance.** *How are you going to pay for the implementation of the plan?*

Estimate how much of the following you will rely on to implement the plan:

- Technical assistance.
- Financial assistance.
- Associated costs.
- Sources and authorities.

Tribes should consider other relevant federal, state, local and private funds that may be available to assist in implementing the plan.

[Section 12.7: Estimate Financial and Technical Assistance Needed and the Sources/Authorities that Will Be Relied on for Implementation](#)

**Information and Education.** *How will you garner support for the plan and its implementation?*

Describe the information and education component that you will use to enhance public understanding and encourage early and continued participation in designing and implementing the plan.

[Section 12.2: Develop Information/Education Component](#)

**Schedule.** *How long will it take?*

Outline a schedule that is reasonably expeditious for implementing the NPS management measures identified in the plan.

[Section 12.3: Establish an Implementation Schedule](#)

**Milestones.** *What steps will you take along the way?*

Describe interim, measurable milestones you will use to determine how well you are implementing NPS management measures (outlined in the second element) or other control actions.

[Section 12.4: Develop Interim Measurable Milestones](#)

**Criteria.** *How will you know you are successful?*

Outline criteria you will use to determine whether you are achieving your water quality-based goals and if or when you are making substantial progress. Outline the criteria for determining when the watershed-based plan and goals needs to be revised.

[Section 12.5: Establish a Set of Criteria to Measure Progress Toward Meeting Water Quality Standards and Other Goals](#)

**Monitoring.** *How will you measure success?*

Describe the monitoring program you will use to evaluate the effectiveness of the implementation efforts over time, measured against the criteria you established.

[Section 12.6: Develop a Monitoring Component](#)

#### Tools and Information:

EPA Watershed Handbook :  
[http://www.epa.gov/owow/nps/watershed\\_handbook/#contents](http://www.epa.gov/owow/nps/watershed_handbook/#contents)

EPA Plan Builder: an on-line planning tool. For assistance with the nine elements, indicate you will be using §319 funding.  
<http://iaspub.epa.gov/watershedplan/watershedPlanning.do?pageId=48&navId=35>

EPA Tribal 319 Web Page  
<http://www.epa.gov/owow/nps/tribal/index.html>

Nine Element Check List  
[http://yosemite.epa.gov/R10/ecocomm.nsf/Watershed+Collaboration/State+Tribal+NPS/\\$FILE/Tribal-319-Checklist.pdf](http://yosemite.epa.gov/R10/ecocomm.nsf/Watershed+Collaboration/State+Tribal+NPS/$FILE/Tribal-319-Checklist.pdf)

NPS Subcategories  
<http://www.epa.gov/owow/nps/categories.html>

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