

Siuslaw Estuary Partnership

An Integrated Multiple Objective Approach To Watershed Protection and Restoration

Florence Aquifer Protection Plan Work Plan

Revised November 22, 2010

Purpose and Objectives

The purpose of this project is to prepare an Aquifer Protection Plan that updates the December 2003 *Florence Drinking Water Protection Plan* and expands the Study Area to encompass the North Florence Sole Source Dunal aquifer within the Siuslaw Estuary Partnership Project Study Area; and to submit the Plan to the City Council and Lane County for adoption and to the Oregon Department of Environmental Quality and Department of Health Services for State certification.

Specific objectives are to:

1. Protect the North Florence Sole Source Dunal Aquifer.
2. Protect drinking water quality and quantity in the City's existing wells.
3. Delineate new sites for City production wells where they will not cause water levels in creeks and wetlands to go below threshold levels that would harm fish and wildlife habitat; and update the delineation of the drinking water protection areas.
4. Protect fish and wildlife habitat and align Aquifer Protection Plan with Goals and Strategies for protecting fish and wildlife habitat.
5. Incorporate and address results from the Surface and Groundwater Monitoring Program.
6. Identify and obtain agreement from stakeholders on Goals and Strategies for protecting water quality in the aquifer.
7. Engage the public in the process to improve awareness of threats to drinking water quality.
8. Update the list of potential contaminants and Potential Contaminant Source Inventory.
9. Integrate maps into GIS: Delineation Map; Potential Contaminant Map; Aquifer Sensitivity Map.
10. Meet state DEQ requirement to update the Plan every 5 years.

Staff Team: Siuslaw Estuary Partnership Water Quality and Quantity Team

Work Plan

The Work Plan will be conducted in three phases, below, as described in the table below.

Phase I: July 1 through September 30, 2010

Phase II: October 1, 2010 through September 30, 2011

Phase III: October 1, 2011 through September 30, 2012

Aquifer Protection Plan Work Plan
Phases and Tasks
Phase I: July 1 through September 30, 2010
1. Prepare draft detailed Scope of Work and Timeline
2. Obtain input from the Water Quality and Quantity Team and consultants
3. Revise Scope of Work
Phase II: October 1, 2010 through September 30, 2011
4. Update delineations to include zones of contributions for future well sites; create new Figure 1c: Future Well Sites.
5. Develop Potential Contaminant Source Inventory; prepare Draft Appendix: Surface and Groundwater Monitoring Results, October 2010 Through September 2012
6. Assess susceptibility to existing and future potential contaminant sources
7. Create Public Involvement Plan and submit to Planning Commission for approval
8. Identify Stakeholders (i.e, those who govern land use in the Study Area (20-Year Time of Travel) and form Stakeholder Group (solicit members, as appropriate, from 2 existing SH Groups and expand as needed based on results of steps 1 through 3.
9. Review, and coordinate with, Tribes' Source Water Protection Plan
10. Draft new Chapter 10: Fish and Wildlife Considerations
11. Convene Stakeholder Group to obtain feedback on Phase I deliverables
12. Develop list of alternative policies and implementation measures.
13. Identify Goals and Management Strategies
14. Develop Contingency Plan.
15. Conduct new well site analysis and identify how additional wells or wellfields would affect groundwater levels and flow.
16. Prepare Draft Plan and Implementation Measures.
17. Convene Stakeholder Group to obtain feedback on Phase II deliverables.
Phase III: October 1, 2011 through September 30, 2012
18. Revise Draft based on input from Stakeholders, Staff Team, and Public
19. Submit Draft Plan for City and County adoption
20. Submit Plan to Oregon Department of Environmental Quality and Oregon Department of Health Services, Drinking Water Program, for State certification.
21. Begin implementation