



Salmon Safe Annual Report July 2007 Conditions Status

Status Updates

Precondition I (Vermont Creek revegetation plan)
Completed as reported in 2005 Annual Report

Condition I (System-wide, watershed-based strategic restoration plan) *5 years*
As reported in 2005, we have completed a vegetation inventory of all 7,000 acres of natural area parkland in the system.

The City's 2005 Portland Watershed Management Plan identifies strategies for improving watershed health throughout the City, especially within aquatic and riparian zones.

A new interbureau team working with outside experts is developing a Terrestrial Enhancement Strategy for the City.

Condition II (IPM water quality monitoring peer review)
Completed as reported in 2006 Annual Report

Condition III (Fish habitat field inventory) 5 years

A riparian and stream assessment survey was completed in summer 2006. Stream channel and riparian vegetation surveys were completed. The stream condition assessment field methodology was based on the rapid stream assessment developed by the Environmental Protection Agency (EPA): Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates, and Fish (extracted from Chapter 5: Habitat Assessment and Physicochemical Parameters). A total of 132 habitat reaches were surveyed in 24 parks. The average surveyed reach length was 433 feet.

The riparian vegetation inventory field methodology was designed to identify vegetation community characteristics such as dominant and invasive plant species, management



concerns, and overall ecological health.

Results are posted on Portland Parks & Recreation's Website at:
<http://www.portlandonline.com/parks/index.cfm?c=44499>

Condition IV (Impervious surface estimates, stormwater mitigation projects). *1 year*
Completed as reported in 2005 Annual Report

Condition V (Ponds and wetland contamination) *5 years*
Completed as reported in 2006 Annual Report

Condition VI (Irrigation data collection and reporting) *5 years*
Two additional sites have been added to the Maxicom irrigation system, Fernhill and Earl Boyles.

Condition VII (Alternatives to herbicides) *5 years*
Funding was continued to carry out the trials begun in spring 2005. The trials include six different parks with up to 17 treatment regimens per park. Willamette and Gabriel parks were chosen for treatments to tree wells and fence lines. Ladd's Addition East Rose Garden was chosen for the formal shrub bed trials. The natural area park sites were chosen to allow study of two of the major urban weeds in our region: Himalayan blackberry and English ivy. Powell Butte was chosen for blackberry control studies and Hoyt Arboretum is being studied for ivy control comparisons.

Control methods to be compared include manual or mechanical weed control, traditional and non-traditional herbicides, and physical control using landscape fabric and/or mulch as a weed barrier. Manual methods of control consist of hand weeding, hand digging, line trimmers, flame weeding, and using mulches. The synthetic herbicides used in the trials were chosen from current PP&R approved materials that are typically used for vegetation control purposes within the IPM program. The IPM trials will also test some of these herbicides in reduced concentrations to investigate their effectiveness at lower rates for certain weeds.

Data for the majority of the sites has been collected, with final results to be obtained on the remainder. Data analysis and project reporting will take place in 8/07 through 12-07 with release of findings at the conclusion. Reporting will include time involved, cost, carbon generation and efficacy, as well as recommendations for PP&R's IPM program.

Condition VIII (Education plan related to Gabriel Park revegetation)
Completed as reported in 2005 Annual Report

Condition X (Balch Creek trail culvert improvements)
Completed as reported in 2006 Annual Report