



NATURAL RESOURCES BOND PROJECT SUMMARY SHEET: **Greenway/Koll Restoration Project**

Project Time Period: Fall 2012-Fall 2018
Project Manager: Kyle Spinks
Date Plan Written: 10/17/2012

OVERVIEW

The Greenway/Koll restoration project is located in south Beaverton between SW Hall Blvd. and SW Scholls Ferry Road. It covers approximately 25 acres of wetland and ponded habitat and includes all of Koll Center Wetlands and approximately 12 acres of adjacent wetland meadow and shrubland habitat in Greenway Park. Native turtle habitat has been greatly reduced in the greater Beaverton area. The focus of this project is to enhance existing habitat and restore wetland habitats to attract turtles from existing native turtle populations within the Fanno Creek watershed. Restoration work will entail treatment and removal of non-native vegetation followed by installation of native shrubs and trees in the wetland meadow habitat.

PROJECT DESCRIPTION

Due to its location in the watershed, Koll Center Wetlands has the potential for prime native turtle habitat, which consists of three key components: basking structures, nesting areas, and reliable, year-round open water. Currently there are poor nesting areas, few basking structures, and unreliable, year-round open water. Improvements to these components will set the stage for the return of native turtles to Koll Center Wetlands

Project Concerns and Strategy

Several anchored basking structures will be installed in the pond. The basking structures will be approximately six feet long and partially submerged to provide easy access for the turtles. These will be constructed of native materials and the design will be as natural as possible so as not to detract from the viewscape of the pond. ODFW is involved to help design the basking structures to meet the needs of the turtles and the aesthetic needs of the site. Improvements to nesting areas will be made by the installation of appropriate nesting substrate such as sand or small gravel.

To hold reliable, year-round open water, using green engineering, large willows will be installed in the channel, which will form a base that could be an attractive location for a beaver to build a dam.

Enhancement of the meadow habitats will benefit a wide variety of wildlife, as well as enhance the water quality throughout the habitats and in nearby Fanno Creek. Non-native vegetation dominates these meadows, including English hawthorn and reed canarygrass. In addition, purple loosestrife, a highly invasive wetland weed, has been mechanically and chemically treated in three places within this habitat. We will continue to monitor for and treat new patches of loosestrife if discovered.

Restoration work in the wetland meadows will include mechanical and chemical control of the reed canarygrass and English hawthorns. This will be followed by installation of approximately 15,000 native shrubs and trees in the southern portion of the habitat, portions of which will be fenced to protect the plants from beaver until the plants are established. The English hawthorns will be removed, clearing areas where several nesting sites will be created for native turtles. The cuttings from the trees will be piled to create refuge and habitat for native wildlife, such as California quail and northern alligator lizards.

Stakeholder Issues

Neighbors	PS Business Parks (mgt. agency for most of the buildings around the pond) has been very easy to work with.
User Conflicts	None
Regulatory Agencies	Clean Water Services
Easements	Clean Water Services

OBJECTIVES (INDICATORS OF PROJECT SUCCESS)

- A maximum of 10% cover by targeted non-native plants in both meadow habitats after five years of establishment and monitoring.
- A minimum survival of 1500 viable stems per acre of native shrubs and trees in the reed canarygrass meadows.
- Survival of 80% of the installed vegetation after five years of establishment and monitoring.
- Installation of a willow dam structure that could hold water levels acceptable for turtle habitat.
- Installation of six turtle basking structures in the pond.
- Installation of six turtle nesting areas in the wetland meadows.
- Public support of this project throughout the public meeting process.
- Completion of this project with projected staff time and budget.

PROJECT SCHEDULE

Task	Start Date	End Date
Planning	September 2012	February 2013
Construction	July 2013	July 2013
Site Prep	March 2013	October 2014
Planting	February 2014	February 2015
Establishment/Monitoring	June 2013	June 2018

BUDGET

Total Approved Budget	\$61,700.00
Contractors	\$26,813.50
Materials	\$15,086.30
Permits	
Contingency (15%)	\$6,284.97
Total	\$48,184.77