

Luckiamute/Ash Creek Study

9 OTHER WATERSHED ANALYSES, EXISTING PRESERVE AND WATERSHED RESTORATION PROJECTS IN THE LUCKIAMUTE / ASH CREEK

9.1 Existing Watershed Analyses

U.S. Bureau of Land Management

In 1998 the BLM conducted a watershed assessment of the Rowell Creek/Mill Creek/Rickreall Creek/Luckiamute River Watershed (Licata *et al.*, 1998).

Western Oregon University

The biology and earth and physical sciences departments of Western Oregon University created a manual for environmental educators to use in studying the Luckiamute River watershed (Taylor *et al.*, 2003).

Rickreall Watershed Assessment

The Rickreall Watershed Council completed a watershed assessment for the Rickreall Creek watershed in January 2001. A small portion of the land examined in the Rickreall Watershed Assessment is included in the northeast corner of the present Luckiamute Watershed Assessment area (Mattson and Gallagher, 2001).

Midcoast Watershed Assessment

This assessment, completed by Earth Design Consultants, Inc. and Green point Consulting, covers a portion of Polk and Benton Counties (Garono and Brophy, 2001). This report is available online at

www.midcoastwatershedcouncil.org.

Yamhill Watershed Assessment

The Yamhill River Basin contains eight sub-watersheds: Willamina, North Yamhill River, Chehalem Creek and South Yamhill River. All of these sub-basins are contained primarily in Yamhill and Polk Counties. For more information visit <http://www.co.yamhill.or.us/ybc/assessments.htm>

Existing Preserves and Watershed Restoration Projects

E.E. Wilson Wetlands, ODFW

<http://wetlands.dfw.state.or.us/projects/willamette.html>



Photo 15: E.E. Wilson Wildlife Area

These wetlands are on land managed by the Oregon Department of Fish and Wildlife (ODFW). ODFW began restoring wetlands here in 1992. By 1995 several dozen small ponds and



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wetlands were constructed or enhanced, totaling 170 acres of improvements. The area is still managed to control non-native vegetation, especially reed canary grass.

Fort Hoskins, Benton County

http://www.co.benton.or.us/parks/fh_final_plan.htm

The land around the historic Fort Hoskins site (1856 – 1865) is now a park owned by Benton County. The County's goals for the property include 1) active restoration of pre-settlement native oak savanna, 2) sustainable forest management using environmentally sensitive techniques, and 3) creating reserve areas to protect unique resources. Promoting recreation activities and public education are also major goals for projects in the park.

Luckiamute Landing State Park

http://wetlands.dfw.state.or.us/pdfs/willamette_valley_draft.pdf

This restoration project is in an area just north of Albany, at the confluence of the Luckiamute, Santiam and Willamette Rivers. The Western Rivers Conservancy and State Parks have proposed to acquire and protect a large block of floodplain habitats around Luckiamute Landing.

In addition to these preserved lands, there are also numerous small preservation and restoration projects going on within the basin. We checked the REO web site for information on existing watershed restoration projects. We found one

restoration site from this database:

It was listed as a culvert upgrade in the headwaters of the Luckiamute (IRDS_ID: 444729612331517).

The Greenbelt Land Trust, a volunteer non-profit organization in the mid-Willamette Valley, involved in the protection of open space, has organized and compiled a list of regional restoration projects. Table 77 lists the restoration sites compiled by the Greenbelt Land Trust. It is not clear whether some of these sites are being routinely monitored or not. We highly recommend incorporating these sites into the LWC monitoring plan.

The Oregon Watershed Enhancement Board also maintains several databases containing information on restoration projects. Data are collected by means of a standardized reporting form which is broadly distributed on an annual basis. Respondents are asked to submit project information on a standardized reporting form and attach a map. The spatial data may be incomplete. The Luckiamute projects implemented from 1995-2002 are available from Bobbi Rigger (503-986-0059) in an Access database. These data were not available at the time that this report was written. **We recommend that LWC contact OWEB and acquire restoration project locations and that a spatial data set be created.**



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Table 77. List of restoration sites compiled by the Greenbelt Land Trust. Shown are watershed ID code, type of restoration, habitat affected, a brief description, partners, whether the site is being monitored or not and the number of acres.

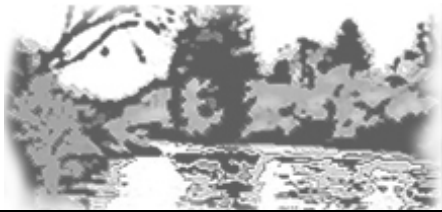
HUC	TYPE	HABITAT	DESC RIPTION	PARTNERS	MON	ACRES
Bridgeport				ODFW		41.0
Bridgeport				ODFW		5.0
Fern Creek		wetlands		ODFW		5.0
Fern Creek				ODFW, S*, owner		6.0
Fern Creek		woodlands		ODFW, B*, owner		12.0
Bridgeport		woodlands		ODFW, K*, owner		9.0
Bridgeport		oak woodlands		ODFW, D*, owner		20.0
Lower Teal Creek				ODFW, R*, owner		1.0
Parker				ODFW, P*, owner		9.0
Middle Luckiamute				ODFW, W*, owner		22.0
Zumwalt	wetland restoration	wetlands		USFWS, R*, owner	y	15.0
Zumwalt	oak restoration	oak woodlands		USFWS, R*, owner	y	0.0
Zumwalt	wetland restoration	wetland, oak		USFWS, J*, owner		20.0
Parker	oak restoration	oak woodlands		USFWS, J*, owner		0.0
Parker	wetland restoration	wetland		ODFW, R*, owner, USFWS	y	25.0
Luckiamute Landing	wetland restoration	wetland		ODFW, S*, owner, NRCS		40.0
Luckiamute Landing	easement	riparian, upland		ODFW, B*, owner		60.0
Luckiamute Landing	wetland restoration	wetland		ODFW, K*, owner	y	40.0
Springhill	wetland restoration	riparian, wetland		NAWCA state park, Vanderpool, USFWS	y	230.0
Palestine	wetland restoration	wetland		ODFW, USFWS, G*,owner	y	15.0
Springhill	wetland restoration	wetland		ODFW, USFWS, U*, owner	y	20.0
Lower Berry Creek	wetland restoration	wetland		ODFW, USFWS, O*, owner	y	76.0
Palestine	wetland restoration	wetlands		ODFW, OWEB, Winter Creek	y	52.0
Palestine	riparian	riparian		ODFW, OWEB, Winter Creek	y	0.0
Vincent Creek				Benton County		0.0
Plunkett Creek	wetland restoration	wetlands		ODFW, USFWS, E*, owner, OWEB	y	120.0
Plunkett Creek	oak	oak		ODFW, USFWS, E*,	y	0.0



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	restoration	savanna		owner, OWEB		
Upper Soap Creek	easement			Greenbelt Land Trust	yes	0.0
Luckiamute Landing	riparian		riparian planting	OPRD, ODFW, farmer		0.0
Rifle Range	easement	wetlands		NRCS, owner		58.0
Waymire Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	2.0
Socialist Valley	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.6
Socialist Valley	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	4.1
Socialist Valley	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	6.1
Socialist Valley	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	4.6
Socialist Valley	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	34.0
Black Rock Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	1.0
Black Rock Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.0
Black Rock Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.0
Black Rock Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	4.5
Black Rock Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.9
Black Rock Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	1.7
Black Rock Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	4.1
Black Rock Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	1.2



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HUC	TYPE	HABITAT	DESCRIPTION	PARTNERS	MON	ACRES
			retention			
Upper Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	1.9
Upper Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	1.2
Upper Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.0
Upper Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.3
Upper Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	4.0
Upper Teal Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.7
Lower Teal Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.8
Grant Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	1.7
Lower Teal Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.3
Lower Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	4.6
Lower Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.5
Lower Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.5
Lower Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.2
Lower Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	2.2
Lower Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	6.3
Lower Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	2.1



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HUC	TYPE	HABITAT	DESCRIPTION	PARTNERS	MON	ACRES
Luckiamute			tree retention	Inc.		
Lower Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	2.5
Lower Little Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	3.9
Middle Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	2.2
Middle Luckiamute	riparian	forest	riparian tree retention	Starker Forests, Inc.	no	1.0
Middle Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.5
Middle Luckiamute	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.0
Ira Hooker	riparian	forest	riparian tree retention	Boise Cascade	no	1.4
Ira Hooker	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	8.4
Ira Hooker	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.1
Ira Hooker	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	3.2
Ira Hooker	riparian	forest	riparian tree retention	Starker Forests, Inc.	no	2.0
Ira Hooker	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.9
Upper Pedee Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	0.7
Upper Pedee Creek	riparian	forest	riparian tree retention	boise	no	4.2
Ritner Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	1.2



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HUC	TYPE	HABITAT	DESCRIPTION	PARTNERS	MON	ACRES
Vincent Creek	riparian	forest	riparian tree retention	Starker Forests, Inc.	no	1.1
Vincent Creek	riparian	forest	riparian tree retention	Starker Forests, Inc.	no	0.6
Wolf Creek	riparian	forest	riparian tree retention	Boise Cascade	no	4.0
Middle Soap Creek	riparian	forest	riparian tree retention	Willamette Industries, Inc.	no	2.0
Upper Soap Creek	riparian	forest	riparian tree retention	Starker Forests, Inc.	no	0.5
Upper Soap Creek	riparian	forest	riparian tree retention	Starker Forests, Inc.	no	2.0

9.2 Existing Groups

Oak Conservation Project/ Oak Working Group

The Oregon Oak Communities Working Group is a volunteer organization whose aim is to foster conservation and restoration of oak ecosystems and recognize the threats faced by diverse oak habitats. Threats include habitat destruction due to loss from urbanization to disease. The group is based in Oregon and works throughout the state (see <http://www.open.org/~admdmg/index.shtml>)

The group's goals include:

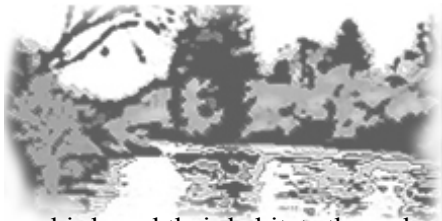
- knowledge and research on biological and ecological topics such as silviculture, wildlife

habitat, understory interactions, spatial patterns and recruitment;

- laws, policies and legislation affecting oak habitat;
- recognizing and understanding Native and Euro-American cultural connections to oak plant communities;
- restoration methods, activities and projects;
- forming partnerships with other organizations who share our interests in habitat conservation and restoration; and
- participants of this group come from varied governmental agencies, public organizations, private citizens, non-profit groups and small businesses.

American Bird Conservancy

American Bird Conservancy (ABC) is a 501(c)3 not-for-profit organization, whose mission is to conserve wild



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birds and their habitats throughout the Americas (see <http://www.abcbirds.org>). They deal with such topics as a growing human population, resource consumption, habitat destruction and direct mortality from pesticides and the introduction of destructive species.

ABC works in cooperation with the North American Bird Conservation Initiative, Partners in Flight, the ABC Policy Council, and ABC's growing international network. ABC is supported by individual donors as well

as foundations, corporations, organizations and government sources. ABC has offices in The Plains, Virginia and Washington, D.C., and staff in Colorado, Missouri, Montana, and Oregon.

Oregon Water Trust

The Oregon Water Trust works in the state to acquire water rights for fish & wildlife use.