

Marys River Watershed Council

Outreach & Education Program 2008-09 Final Report



Lincoln School students checking fish trap with ODFW

Outreach & Education Goal
 To promote education within the watershed on the importance of, and methods for, improving watershed health through the objective and accurate dissemination of information.

MRWC Long Term Action Plan

1. Goals and Objectives

from OWEB Proposal – October 2007

Education Goals	Planned Objectives	Actual Accomplishments
1. Public Awareness & Knowledge: To increase knowledge and public involvement by delivering current information through printed materials, workshops, presentations, website, tours and displays.	6 workshops or tours 6 public displays 25 new additions to Council mailing list	11 workshops or tours 11 public displays & presentations 19 new additions to Council mailing list (16 new members)
2. Strategic Landowner Outreach: To increase understanding, knowledge and skills among landowners within targeted subbasins and initiate cooperative restoration projects. To link landowners with available technical assistance, programs, and project implementation.	40 landowners visited 10 referrals to project funding or assistance sources 2 cooperative restoration projects initiated	51 landowners visited 10 referrals to project funding or assistance sources 2 cooperative restoration projects initiated
3. K-12 Watershed Education: Through student activities and projects, to increase awareness of watershed values, knowledge of watershed function, and skills of stewardship.	175 students participating in projects or activities 6 teachers implementing watershed lesson plans	987 students participating in projects or activities 20 teachers implementing watershed lesson plans

2. Student and Volunteer Participation

Spring Stewardship Field Day – Newton Creek Wetlands – Corvallis & Philomath Middle Schools



Students learn to sample & identify native fish.



Students learn about ethnobotany



High School student mentor teaches seining techniques.



Students learn about invasives control



Students teach students about amphibians



Students learn to use dichotomous key



Student mentor shows historic aerial photos



Many students enjoy their first time canoeing

Philomath Elementary School Wetlands



PES teacher explains water quality testing

Lincoln School Students Riparian Planting on Blair Creek



Planning the riparian planting



Monitoring for tree survival



Outdoor School students learn about beavers and amphibians



Rock Creek project tour 5-27-09



Oregon State University Plant Diversity field trip



TOUR
 Nelson's checkermallow
 and prairie restoration at
 Tyee Wine Cellars Natural Area



Nelson's
 checkermallow



Sunday June 28, 1pm- 3:30pm

Nelson's checkermallow is a rare and beautiful plant. Although extensive recovery efforts are currently underway, its long term success depends upon public recognition and stewardship. Come learn or share your knowledge about this threatened plant species and its habitat. Visit a remnant population and explore a small riparian area as well as a recently restored 45 acre prairie at the Tyee Wetland Reserve Program site. We will focus on the biology and recovery of Nelson's checkermallow as well as the role native prairies play in supporting wildlife and rare species. The tour ends with optional wine tasting at Tyee Wine Cellars.

Our nature walks are slow-paced and casually structured. A hat, long pants, and closed-toe shoes are recommended this time of year. Please, no dogs. We go rain or shine! Meet at Tyee Wine Cellars: 26335 Greenberry Rd. 97333. Greenberry Rd. can be accessed from Hwy 99W (7 miles south of Corvallis, OR).

Hosted by the Institute for Applied Ecology (www.appliedeco.org), Dave Buchanan (owner Tyee Wine Cellars), and the Marys River Watershed Council. Try to let us know that you are coming so that we have enough handouts: melanie@appliedeco.org or call 541-753-3099 ext. 502.

Oak & Prairie Restoration Tour
 on private lands in Wren
Memorial Day - May 25th
 9am -12 noon

*Butterflies &
 Vineyards*

Tour starts at 9 am at Wren Community Hall (on Hwy 223 just north of Cardwell Hill Rd) and ends at noon at Lumos Winery where, after visiting one of the largest populations of Fender's blue butterfly, you are invited to stay for the Lumos Winery Open House and Wine Tasting from noon to 5 pm

To RSVP, email: outreach@mrwc.net
 or Marys River Watershed Council: 758-7597

Stream Restoration
 and Forest Stewardship in
Rock Creek Watershed
 Co-Hosted by MRWC and City of Corvallis
Wednesday - May 27th - 5:00-8 PM
The Rock Creek Watershed is located on the east side of Marys Peak and provides about 30% of the Corvallis drinking water supply.
 Meet at City Hall, 501 SW Madison Ave. The City will provide a ride to the site and back. Busses will leave at 5:00 pm on the dot.
 Participation is limited. Pre-registration is required! Call: Corvallis Public Works at 766-6916 or email: public.works@ci.corvallis.or.us before May 22.
 Learn more about
Corvallis Forest Stewardship Plan
www.ci.corvallis.or.us - click on 'Departments', 'Public Works', 'Corvallis Forest Stewardship Plan'
Watershed Restoration in Rock Creek
www.mrwc.org - click on 'Projects'

3. Samples of reports prepared by students

DATA SHEET 6

Camille & Myana

Riparian and Aquatic Area Survey

Date 5-7-09

Site Blair Creek #6

Stream Survey			
Length of stream surveyed:	50ft		
# of riffles:	10 riffles		
# of pools:			
Substrate	Very Little	Some	A Lot
Silt/ Organic matter (stays suspended)			X
Sand (settles to bottom when disturbed)			X
Gravel (pea to baseball size)		X	
Cobble (baseball to bowling ball size)		X	
Boulders (larger than a bowling ball)			
Bedrock (solid rock)			
In-Stream Woody Debris			
	Very Little	Some	A Lot
Small (6 inch diameter x 10 ft length)		X	
Medium (12 inch diameter x 20 ft length)			
Large (24 inch diameter x 35 ft length)			
Comments:			
Vegetation Type			
	Very Little	Some	A Lot
Coniferous trees (with needles)	X		
Deciduous trees (with leaves)			X
Shrubs			X
Small plants			X
Ferns			X
Grasses			X

Plants Identified	
Species	Significance to Riparian Area
Big Leaf Maple	Shade
red alder	shade
red currant	food
salmon berry	food
snow berry	nutrince
Fiberberry	food
vine maple	shade
pacific hawthorn	habitat

Wildlife and Birds	
Type, species or track/sign	# or comments
Birds	

Temperature data record

Date: 5-7-09 Observers: Julia Rubin

	Air temperature			Water temperature		
	°C	°F	Time	°C	°F	Time
Site 1	14		11:30	10.6		11:35
Site 2	14		11:30	9		11:36
Site 3 (optional)						

Note: $9/5 (^{\circ}\text{C} + 32) = ^{\circ}\text{F}$ $5/9 (^{\circ}\text{F} - 32) = ^{\circ}\text{C}$

pH data record

Date: 5-7-09 Observers: Julia Rubin

	Sample 1	Sample 2	Sample 3	Ave.
Site 1	6			
Site 2				
Site 3 (optional)				

DO data record

Date: _____ Observers: _____

	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Average	Time
Site 1	10						
Site 2							
Site 3 (opt.)							

Turbidity
34

Riparian Planting Survival: Blair Creek - Wakefield <small>Camille-Angela</small>											Date: 5-7-09									
	Group # (circle) 1 2 3 4 5 (6) 7 8								Riparian Zone		Weed Cloth		Foil		Height: More than 3 ft.		Alive		If leafed out or had flowers Notes:	
	A	B	C	D	E	Yes	No	Yes	No	Yes	No	Yes	No							
Trees	Species:										Yes	No	Yes	No	Yes	No	Yes	No		
												X	X			X	X		leafing out later	
												X		X		X	X		leafing out later	
											X			X	X	X	X		spiky	
												X		X		X	X		really tall	
												X		X		X	X			
												X		X		X	X			
												X		X		X	X			
												X	X		X	X	X			
												X	X		X	X	X			
TOTALS																				
Shrubs												X		X		X	X			
												X		X		X	X			
												X		X		X	X			
												X		X		X	X			
												X		X		X	X			
												X		X		X	X			
TOTALS																				

Lincoln School Student Report on Blair Cr Project

Time Line

By Silas Fisher and Austin MacCollin

November 14. The 7th and 8th graders surveyed and assigned sections to the riparian zone at Blair Creek. They also learned about the past and the future of Blair Creek.

On December 5, 2008 the sixth grade set a fish trap and collected baseline data, we also tested the water for ph and D.O. also we tested the temperature of the stream; all in all we tested the healthiness of the stream.

January 5. The seventh and eighth graders started to write the mapping plans. Every letter and every number stood for either a plant or a tree. They wrote the plans so each riparian zone would have a group of shrubs and trees which were numbers and letters. Each zone would get a bunch of flags the yellow flags were the shrubs and the white flags were the trees each flag had a letter or a number on it so we could look at it and identify which plant it was.

On January 9th the seventh and eight graders mapped the riparian zones. So the sixth graders new which zones to plant each plant. Later they presented they restoration plan to the landowner.

On January 12 seventh and eight wrote a planting order of exactly how many plants we needed. We had to be sure we ordered the right amount of trees and shrubs, because if we didn't order the right amount than it wouldn't fit our plan. They also marked flags with the correct letters and numbers.

January 16. The sixth graders placed the flags in the appropriate places. Each team had a map of there section telling them exactly where to put the flags. One of the teams had a particularly tough place to place flags because it was a swamp and the water table was very high.

On February 7 the plants came in!

February 13. On that day all 60 middle school students planted the plants where the flags stood. That day we mostly planted trees. The idea of planting the trees was to hold the earth together next to the stream, to prevent erosion.

February 20. All of the middle school students went back to Blair Creek to plant shrubs! While we were at Blair Creek for the second time planting they interviewed more, although the documentary camera men interviewed both times.

4. Volunteer Participation

168 volunteers contributed 1008 hours – station leaders, escorts, set-up, and canoe paddlers for Spring Stewardship Field Day

6 volunteers contributed 18 hours – assisting elementary students with planting PES wetland
58 students and contributed 348 hours planting and monitoring along Blair Cr

7 volunteers contributed 21 hours – assisting Lincoln Sch students with planting & monitoring at Blair Cr

3 volunteers contributed 18 hours serving on the Education & Outreach Committee

10 volunteers contributed 36 hours preparing and delivering presentations for Council meetings & tours

TOTAL of 189 volunteers contributed 1094 hours

5. Other Assistants and Partners

Benton Soil & Water Conservation District
Oregon Dept of Fish & Wildlife
Oregon Trout
Philomath School District
Corvallis School District
Audubon
Marys Peak Natural Resources Interpretive Center
Philomath Scout Lodge
Lakeside Industrial Park
Oregon Dept of Forestry
US Fish & Wildlife Service
Greenbelt Land Trust
Starker Forests
City of Corvallis
BioSurveys
Institute for Applied Ecology
Benton County

6. Teaching and Informational Materials

Sample of Spring Stewardship Field Day Lesson Plans

Station 6 & Station 8

Canoe Safety and Beaver Habitat Exploration

Lesson by Gene Johnson, Explorer Scouts and Marys River Watershed Council

Theme: Beaver are a “keystone species” that alter their habitat and promote biological diversity. Their presence at Newton Creek has created ponds for migrating waterfowl, Western Pond Turtles and River Otter. They also provide good habitat for invasive Bullfrogs.

Objectives:

1. Learn how to wear and adjust a Personal Flotation Device (PFD)
2. Learn to safely load and unload from a canoe.
3. Learn to paddle a canoe.
4. Identify signs of beaver activity.
5. Identify the benefits and problems related to beaver activity.
6. Know habitat requirements of beaver.
7. Observe a beaver lodge and learn about beaver biology and natural history.

Materials:

- | | |
|--|---|
| <input type="checkbox"/> Canoes, Paddles, Personal Flotation Devices | <input type="checkbox"/> String with weight |
| <input type="checkbox"/> Beaver-sign list | <input type="checkbox"/> Stuffed beaver |

Methods:

Introduce selves and topic.

- Q.** What role do beaver play in this environment?
Q. How deep do you think the water is in the pond?

1. **Guide students through proper fitting of PFD’s and proper loading of canoes.**
One or two students load with an adult in each canoe.
2. **Predict where pond will be deepest and measure depth with weight and string in two locations.**

3. **Look for signs of beaver activity.**

Reinforce that beaver change the environment for other organisms by their dam building activities. We call these kinds of animals “keystone species”.

Things to look for to identify beaver activity:

- | | |
|---|--|
| <input type="checkbox"/> Willow sticks cut at angle | <input type="checkbox"/> Sound of tail slap |
| <input type="checkbox"/> Beaver dam | <input type="checkbox"/> Beaver burrow in bank |
| <input type="checkbox"/> Trees cut with notch | <input type="checkbox"/> Beaver runs |
| <input type="checkbox"/> Teeth marks on trees | |

4. **While on the water, look for beaver sign & discuss beaver biology and natural history.**

Review/Record Students spend 5 minutes discussing and recording group answers to the following questions:

1. What depths did you find in the pond?
2. What are 2 habitat requirements of beaver?
3. In what situations are beaver helpful?
4. What are 2 problems caused by beaver?
5. What is a keystone species?
6. Name 2 species that you saw or you know benefit from beaver activities.
7. What is a safety rule to remember when you are boating?

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Students dig in to help Blair Creek
By Alex Paul
Gazette-Times reporter

Caelyn Teppier-Horne, 11, Anna Hughes, 13, and Anna Wills, 13, reached down and dragged handfuls of soggy soil out of a hole they were digging Friday afternoon near Blair Creek southwest of Plevanath.

The girls planted an Oregon ash. They were careful to make sure its awkwardly shaped roots were pointed downward before they began to tamp the muddy soil.

As Lincoln Middle School students, the girls are used to taking part in outdoor projects as part of their school's environmentally-themed learning experience. About 50 students, plus teachers and adults representing several stakeholder organizations, worked together to eliminate several months of a riparian zone restoration project.

Caesy Campbell | Gazette-Times
Lincoln Middle School students Rose Goldberg, left, and Elsie Rose plant a tree along the bank of Blair Creek as part of an environmentally-themed learning experience on Friday.

"It's important that the roots go downward," explained Anna Hughes. "It's also important that when we put the dirt back, there aren't air holes around the root."

Caelyn said it was "cool to be able to help the landowner."

Neahly, Rose Goldberg, 12, and Elsie Rose, 11, said the project is intended to help reduce erosion that dumps sediment into the 3-foot-wide Blair Creek. The girls planted a red alder and said it was chosen because it grows well in wet areas.

"It will also give off good nutrients into the river," Elsie said.

Lincoln Middle School instructors Janice Rosenberg and Paul Ball said the students began planning the project several months ago with guidance and financial support from the Marys River Watershed Council, the Benton Soil and Water Conservation District, the Oregon Trout/Healthy Waters Institute and the Oregon Department of Fish and Wildlife.

Karen Fleck-Harding of the watershed council has been instrumental in every stage of the project, Rosenberg said.

"We actually started the Blair Creek project by replacing an Oregon Department of Transportation culvert that had a large drop with a fish-friendly unit," Fleck-Harding said. "Then, neighbors became interested in doing upstream work and Oregon Trout funded two more culverts and a landowner chose to take out another culvert."

Students have been involved from early on, Rosenberg said. They tested water quality, set up and evaluated a fish trap, studied baseline data and research and selected the types of shrubs and trees best suited in each of the riparian zones near the creek.

The students mapped out the zones and placed flags where the shrubs and trees were to be planted. There were 750 shrubs and 150 trees, representing more than 10 species including western red cedar, white oak, ash, maple and alder.

"We were impressed that the students already had a good knowledge base," Fleck-Harding said. "We told them this was their chance to use that knowledge on the ground."

The students were responsible for making presentations to the landowners, Rosenberg said. Information included the width of the proposed riparian area and which trees and shrubs should be considered for each area that was mapped out by the students.

Students also studied sediment and raised them in their classrooms.

The two-acre site had been cleared several years ago and used as a baseball diamond by a previous landowner's family. The students' activities were videotaped by Freshwater Illustrated. The OSU Folk Club provided funds to buy rubber boots.

"The kids will come back and will monitor the site over time," Fleck-Harding said. "They will check the area for water quality and will do a mortality survey to see how many trees lived."

Rosenberg said the project had many learning opportunities, including improving math and writing skills. Students will write an article about the project to be published in Healthy Water magazine.

"All in all, it has been an amazing community collaboration," Rosenberg said.

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Soobel Wiggins/Gazette-Times

Carmen Monroe, a sixth-grade student from Cheldelin Middle School, paddles at the front of the canoe while Carly Brown steers through a narrow channel that connects one beaver pond to another. The Newton Creek Wetland Field Day event was held at the future home of the Marys Peak Natural Resources Interpretive Center in Philomath.

Back to nature

By KYLE ODEGARD
Gazette-Times reporter

PHILOMATH — Nathaniel Sandoval paddled along a former mill pond, floating past cattails, chirping birds and even a beaver lodge.

Nature has reclaimed the industrial land just east of town, and the Cheldelin Middle School sixth-grader, who moved from Los Angeles less than a year ago, was thrilled to be amid the wildlife.

"This is my first time canoeing," Sandoval said. "This is awesome."

On Tuesday, he and about 120 other Corvallis middle school students learned about the outdoors during a field day at the Newton Creek wetland, which sits just off Highway 20/34.

Besides canoeing, there were sessions where students could learn about the history of the land, view birds through a blind, learn about other animals at the site, and even hold snakes and lizards, which was Sandoval's favorite.

"I have the biggest snake right now," exclaimed Wes Minor, another Cheldelin sixth-grader, who held a gopher snake and made it seem like a python. "He tied himself in a knot right on my hand."

Cheldelin Assistant Principal Russ Sanders also was excited about the field day.

"It's experiential learning. They get out of the classroom and see some of the stuff they're learning in science.

Tuesday was part of a series of field days at the wetland and at Rock Creek on Marys Peak that more than 700 students have attended, said Karen Fleck Harding of the Marys River Watershed Council. The council and Oregon Trout were the series' main organizers.

While Philomath Middle School students went on a field trip to the wetlands last spring, this was the first year for students from the Corvallis School District.

The Newton Creek wetlands may someday become the home of the Marys Peak Natural Resources Interpretive Center.

A nonprofit is seeking grants and donations with hopes of raising \$2 million, and purchasing 130 acres. The plan is to restore and conserve wetlands, expand programs and construct an education facility with classroom space and interactive displays.

Tuesday also was the first time canoeing for Jesus Sandoval, Nathaniel's father, who volunteered for the field day.

"There's no canoeing in L.A. There's only long commutes to work," he said, as middle schoolers had lunch on the pond banks. "You drive by the highway, you never imagine a place like this would be on the other side of it."



New structures in Woods Creek make for a sustainable fix

Candice Ruud, Gazette-Times reporter | Posted: Sunday, September 27, 2009 11:30 pm

In the early evening hours in late summer, curious neighbors and landowners along Woods Creek Road outside of Philomath wandered to a spot just past where the paved road ends to watch an excavator dig an alcove in the clay.

The alcove, one of five being built by the Marys River Watershed Council as part of the Woods Creek Stream Enhancement Project, is meant to serve as a protective slow-water outlet for fish to take refuge in when the creek's waters begin to flow high and fast.

Karen Fleck Harding, education and outreach coordinator for the Watershed Council, oversaw the digging. She led neighbors who stopped by through tall reeds and thick overgrowth down to the creek to watch the excavator carve out a depression where water will flow once the rainy season begins.

Currently the creek is calm and shallow, but once Marys River flows, it rises high and fast, Fleck Harding said. Four more alcoves, along with 19 large wood structures designed to act as moderate dams, will be created this year by the Woods Creek Stream Enhancement Project in order to slow the momentum of water and debris torrents coming downstream from Marys Peak, making the creek environment less hostile for its native species.

It's all part of an ongoing effort by the Watershed Council to increase fish species in the creek by reducing habitat limitations, especially for native Cutthroat trout, which used to swim in the creek freely and in large numbers.

"A lot of the people here grew up here. They've been here as kids and they would tell stories about when they used to catch these 18-inch Cutthroat trout here, and there were lots of them," Fleck Harding said. "So people are encouraged that there's hope to return it to a successful trout stream."

The costs for the project will run about \$42,500, with funds being provided by the Freshwater Trust StreamBank Program and Starker Forests.

"The funds are packaged from different places. Each granting agency likes to have somebody else who is contributing as well," Fleck Harding said. "So instead of the Watershed Council having to go to three or four different places to get funding, the StreamBank is trying to package that all together," allowing the Watershed Council to allocate funds quickly and jumpstart the project.

This particular three-mile section of Woods Creek enhancement has, since the beginning, solicited landowner approval for the various properties which the creek runs through. Their response?

"Phenomenal," Fleck Harding said.

After contacting each of the landowners who would be affected by the project's work, one neighbor organized a meeting at her home, inviting the Watershed Council as well as all of the Woods Creek neighbors to ask questions and discuss the changes that everyone wanted to see in the stream.

The outpouring of support, Fleck Harding said, was incredible.

"These folks love the creek they live on. They care about it and they take care of it," she said.

While the neighbors, acting as volunteers, haven't been involved with the actual ground work, they have done maintenance and protection care on their sections of the creek, including riparian replanting and planting shrubs and trees to keep certain areas of the creek shaded. One landowner has made plans to modify his pond with a valve beneath so that it releases cold water from the bottom of the pond instead of warm water from the top.

Aside from keeping landowners involved and informed, one of Fleck Harding's main goals for the project is to hire local

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Casey Campbell | Gazette-Times
 Philomath Middle School student Jericho Mercado holds his paddle up high as he and classmate Brian Blythe launch a canoe into the pond with instructor Gene Johnson during the fourth annual Newton Creek Wetlands Stewardship Field Day on Wednesday. Jericho held his paddle high above his head in anticipation of the group rocking the canoe to show how hard it is to tip over.

Wetlands lesson

Philomath students receive hands-on education during Stewardship Field Day

By Alex Paul
 Gazette-Times reporter

PHILOMATH — "Snakes are awesome!" Philomath seventh-grader Seth Maudin exclaimed as he held up a red-spotted garter Wednesday morning. Other students near him were a bit skittish.

Maudin and his fellow Philomath Middle School classmates participated in the fourth annual Newton Creek Wetlands Stewardship Field Day sponsored by the Marys River Watershed Council, the Fresh Water Trust, Oregon Department of Fish and Wildlife, the Philomath School District and others.

"Snakes are just cool," Maudin said. "I like their shape, and I like that they are unique. They don't have legs, but they can move really fast."

Among the slithering reptiles the students held were a ringneck snake, gopher snake, northwest garter, red-spotted garter, racer and rubber boa, explained herpetologist Ryan Nash. He said snakes are plentiful in this area, both in the forest lands and the farm fields, where mice are plentiful.

Appreciating the snakes was a hands-on experience.

"They have really rough skin," Tara Griffin said, as she passed a finger over a snake's back.

"Don't hold on too tight," Philomath High School junior Ryan Kides told the group of about 10 students. Kides was one of some 60 students in ecology, forestry and biology classes charged with staffing the 12 learning stations. Each student visited six learning sites.

Topics included forestry and log-scaling, oaks and acorn woodpeckers, riparian and aquatic, wildlife blind, mammals, canoes and beavers, reptiles, invasive species, insects, ethnobotany and birds, wetlands and soils, and amphibians and vernal pools.

Parent volunteers also play key roles in the project that will run over six days, targeted at Philomath seventh-graders and Corvallis sixth-graders.

PHS ecology teacher Jeff Mitchell said that although classes have visited the privately owned property for 15 years, the comprehensive stewardship field day began about three years ago.

"It's a challenging learning environment," Mitchell said. "Newton Creek is our home creek. We believe that people, wildlife and plants can coexist and take care of each other. People are part of nature and we need to learn to live with it."

Forestry class juniors Alysha Haines and Allen Neufeld staffed the forestry and log-scaling area with Dick Powell of Starline Forestry. Fitzguy, the project was on the site of the former Clements Mill that played an important role in the community's history.

"Does anyone know how to find the volume of a log?" Powell asked as the students gazed at several Douglas fir logs.

Haines said wood volume is measured in board feet — one foot wide by one foot long by one inch thick — and that the maximum log length is 40 feet.

"You find the estimated number of board feet by measuring the diameter and length of each log," Haines said as Neufeld pulled a scaling tape from one end of a log to the other and asked the students to estimate its length.

"You also need to know its species and you can do that by pulling on its bark," Haines explained. "This log is from a Douglas fir tree."

Further up a trail, Holly Womack, who was wearing black rubber boots with colorful polka dots on them, knew that one of the identifying factors of a tree frog is that "it has suction cup fingers."

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MARYS RIVER WATERSHED COUNCIL NEWS

SEPTEMBER 2009

ANNUAL MEMBERSHIP MEETING TUESDAY, SEPTEMBER 29TH

6:30-9:00 pm - Corvallis Public Library Meeting Room

Agenda

- Bylaws Amendment
 - Annual Election of Board of Directors
 - **Special Presentation: Pacific Lamprey**
 - Meet our new Council Coordinator
 - Strategic Planning Process - how you can participate
- Member meetings are open to the public -*

Proposed amendment to the MRWC Bylaws

(Full text of current by-laws found at <http://www.mrwc.net/bylaws.html>)

This is a minor amendment to reflect Board practice – the Vice Chair does not automatically succeed the Chair in that office, but must be elected by the other directors. The current directors recommend passage of this clarification to the MRWC Bylaws.

Article IV: OFFICERS.

1. Titles. The officers shall be the Chair, ~~Chair Elect~~ Vice Chair, Secretary, Treasurer, and such other officers as the Board may appoint.

6. ~~Chair Elect~~ Vice Chair. The Chair Elect Vice Chair shall exercise all functions of the office of Chair in the event the Chair is absent or unable to act, and perform other such duties as delegated by the Chair and/or Board.

Candidates for the MRWC Board of Directors

partial slate - full slate available at the Sept 29th annual meeting

Meleah Ashford Meleah has over 20 years of engineering and environmental experience in the field of water resources, specifically watershed management, and ocean protection. Most of her experience has been in the role of project manager, technical advisor and program coordinator. She has recently joined OSU to manage the Northwest National Marine Renewable Energy Center, a partnership between Oregon State University and University of Washington, established to develop a full range of capabilities to support marine renewable energy development for the United States. Her strengths are planning, communicating, coordinating and implementing programs across multiple disciplines to increase their efficiency and effectiveness. Outside of work and volunteering, Meleah spends her time gardening and with family. She also spends as much time at the ocean as possible.

Holly V. Campbell Holly holds a J.D. with certificates in environmental law and ocean and coastal law from the University of Oregon, and an LL.M. (Master of Laws) in Environmental Law from the Wallace Stegner Center for Land, Resources, and the Environment, Quinney College of Law, University of Utah, specializing in water. Holly is a candidate for the M.S. in Marine Resource Management in the OSU College of Oceanic and Atmospheric Sciences. Her interests include wetlands, watershed health, water quality, coastal issues, land use planning, marine spatial planning and ocean energy. Holly loves to garden, write, draw, and snorkel, but she says the time and place for snorkeling doesn't happen often enough!

Dan Sundseth Dan was born and raised on a 560 acre family farm in Minnesota. Since 1984, he has served as County Executive Director for USDA's Farm Service Agency (Linn, Benton, and Lincoln Counties). He has, also, served as USDA's Community Food Security

SPECIAL PRESENTATION SEPT. 29TH PACIFIC LAMPREY

The Pacific lamprey (*Lampetra tridentata*) or "eel" is an ancient, anadromous, native species, valuable to the ecosystems of the Pacific Northwest and to the Native American Tribes that use this fishery for food, medicine, and ceremony. Pacific lamprey have declined precipitously in abundance over the last few decades and the need to acquire information to inform management and conservation initiatives is imperative if this valuable resource is to be maintained and the cultural legacy of Native Americans preserved.

Confederated Tribes of Grand Ronde

Cultural significance of Pacific Lamprey & tracking lamprey movements on the lower Willamette River using radio transmitters.

Michael Wilson, Tribal Member & Natural Resources Division Manager
Rebecca McCoun, Biologist

OSU Dept of Fisheries & Wildlife

Do summer temperatures trigger spring maturation in Pacific lamprey?

Ben Clemens, Ph.D. Candidate



Photo by Gary Snyar, ODFW

Council Board of Directors Meeting

Tuesday, September 8th 6:30-8:30 pm

Philomath Council Chambers - 980 Applegate

Agenda: Coordinator & Financial Reports

Bonneville Env Fdtn Model Watershed Proposal

Strategic Planning Process - Annual Budget

Proposals for OWEB funding

- everyone welcome to attend -

8. Other Information

Collaboration with and Referrals to other agencies:

Greenbelt Land Trust – 2 conservation easement referrals
USFWS – Oak restoration referral
Benton SWCD/CREP – 3 landowner referrals
Marys Peak Stewardship Group – 3 landowner referrals – 1 project generated
OWEB – Willamette Initiative potential project with Greenberry Irr District
Institute for Applied Ecology – co-sponsor of field tours
Benton Co. Riparian Project – assisted with public outreach planning
NRCS – WHIP Oak Restoration project
Marys Peak Natural Resources Interpretive Center – assisted with acquisition planning for
Newton Crk Wetlands
BioSurveys – assistance with landowner outreach
USGS – provided assistance to Philomath Scout Lodge in planning to control bullfrogs
Oregon State University – student projects developing restoration plans
Starker Forests – support for Spring Stewardship Field Day
Benton County – assistance with map making
Benton County Habitat Conservation Plan – assisted with public outreach & stakeholders
committee
Confederated Tribes of Grande Ronde – presentation on Pacific lamprey study
OSU Fisheries & Wildlife – presentation on Pacific lamprey study
City of Corvallis – joint tour of Rock Cr watershed projects

MRWC Quarterly Presentations:

Dec 08 Dr. Stanley Gregory – Marys to the Willamette
Mar 09 Benton County Prairie Species Habitat Conservation Plan
Jun 09 PHS Student: Amphibians of Newton Crk Wetlands & Dr. John Selker: Temperature
Monitoring
Sept 09 Pacific Lamprey – OSU Fisheries & Wildlife & Conf Tribes of Grand Ronde

Other Community Presentations & Displays

Science, Music & Marshmallows
Corvallis Earth Faire
Benton County Environmental Commission
Natural Resource Volunteer Celebration
Kids Day for Conservation
Philomath Outdoor School
Rock Creek Restoration Project tour
Woods Cr Project landowner tour
Under One Sky event
Crescent Valley High School – Env Ed class
Summit Flea Market

Landowner Outreach

51 landowners engaged in planning or implementing conservation/restoration projects in 8
subbasins

Non-OWEB Contributions

Claimed as OWEB match:

1091 volunteer hours @ \$20/hr \$ 21,820

Presentations & Tours:

36 Professional in-kind hours @ \$40/hr \$ 1,440

Website maintenance 40 hrs @ \$40/hr \$ 1,600

TOTAL \$24,860