

CONSERVATION ACTIONS: May 2012

Our latest news: <u>http://conservationdistrict.org</u> Find us on Facebook: <u>http://www.facebook.com/ClackamasCountySWCD</u> Follow us on Twitter: <u>http://twitter.com/ClackamasSWCD</u>

Budget adopted for 2012-2013!

In May, the Clackamas County SWCD Board of Directors formally adopted the budget for fiscal year 2012-2013 (July 1, 2012 through June 30, 2013).

We invested quite a bit of time in building the budget to make it easier to understand. A team of District employees worked closely to deliver a solid budget to our Budget Committee, and our Board of Directors adopted the budget at their May meeting.

We were successful at holding down costs during the current fiscal year while increasing the amount of technical and financial help to people. That means we did more for less. We are going to continue that trend by increasing our investment in on-the-ground conservation actions for the 2012-2013 fiscal year.

You can find budget details on our website. Just search for the word "budget" to find the news items we posted along with attached files. The direct search link is: <u>http://conservationdistrict.org/?s=budget</u>

Do one thing

Natural resource issues can be overwhelming. If you are not a full-time professional conservationist, the amount of complexity can be so daunting that it may seem impossible to move forward.



But there is a way, a simple way: do one thing. If you have weeds, choose to take on one weed this season. If you have Douglas fir trees overwhelming native oaks, start small by removing just one or two firs so the oaks can thrive.

Even simpler, do one thing by giving us a call. We can help you understand the scope of your natural resource situation, identify your desires for your property, and develop a step-by-step plan for your land.

Coming up...

June 30-July 1: 6th Annual Clackamas County Lavender Festival. For more, visit <u>http://libertynatural.com/olf/</u> and click the Lavender Festival link in the left column.

July 25: Oregon Soil and Water Conservation Commission meeting, Salem

September 8: 1st Annual Small Farm School, Clackamas Community College

Watch our website for news about our conservation actions and new video releases. Subscribe to automatically follow what we're doing!

Think of a conservation plan like a recipe. We'll describe what you need and how to get there, and then work with you every step of the way.

Take that one step, do just one thing. Once you get started, it becomes easier...but nothing will happen until you do one thing. We stand ready to help!

Tom Saler

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Projects

Here you'll find highlights of some of our larger initiatives. Typically, these address multiple conservation needs, making them more complex to plan and implement.

3D Water Quality Project

Overview: Our "3D" project is funded through a grant from the Oregon Department of Agriculture. Two years of water quality sampling in Deep, Doane, and Dolan creeks revealed some specific water quality problems, mainly involving nutrients, bacteria, and pesticides. Currently, we are reaching out to streamside landowners to establish filtering buffers to keep soil out of these streams. We are actively partnering with the Clackamas River Basin Council. Their Shade Our Streams program meshes well with our project. Cleaner, cooler water and better habitat conditions are our goals.

Jenne conducted more site visits to streamside property owners in the 3D area. We have started the planning process for one of those properties on a tributary of North Fork Deep Creek. The property is a horse and beef cattle operation and the owners are interested in fencing off the spring that cuts through their hay field. Fencing off the spring and excluding livestock from the area will reduce sediment and contaminants from entering surface water. Part of the plan will also include planting native streamside vegetation.

Jeremy and intern Lisa conducted regular water quality sampling in May in Doane and Dolan creeks. The aerial photograph of the project area illustrates



how much of the land is being used for agricultural purposes. We continue to reach out to resource users.

Primary benefit:	Water quality
All benefits:	 ♦ Water quality □ Water quantity ◆ Wildlife habitat □ Weed control ◆ Watershed health □ Weather impacts ♦ Working lands □ Working together ◆ Workshops, education, outreach □ Workplace functions, accountability

Milk Creek Instream and Riparian Habitat Enhancement Project

Overview: Eroding streambanks, a scoured channel, and lack of habitat for fish are the focal points for our Milk Creek project. Funding is being provided by a variety of partners. This is a complex project because it involves working in the stream bed, reshaping a streambank, and restoring appropriate native vegetation. Cleaner water and better habitat conditions are the primary benefits planned for this work.

We're still waiting for permits to be approved, and we're working to find "large wood" (whole trees, including the roots). As we have discussed this with other organizations engaged in stream restoration, we learned that many projects are delayed because of the difficulty in finding the right size and quality of wood. Proximity to the project site is important because hauling cost is high. Nevertheless, we remain optimistic we'll get the permits and find the wood in time for the July 15-September 30 in-stream work window.

Primary benefit: Wildlife habitat

All benefits: Water quality
 Water quantity
 Wildlife habitat
 Weed control
 Watershed health
 Weather impacts
 Working lands
 Working together
 Workshops, education, outreach
 Workplace functions, accountability

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Water ~ Weeds ~ Wildlife

WATER QUALITY and QUANTITY = Protecting and restoring the quality of surface and ground water,

and assuring future supplies of water for people, plants, and animals. District programs include water quality monitoring and many conservation practices. Rain gardens and bioswales help clean water before it infiltrates into ground water. Rainwater harvesting and irrigation system improvements are good examples of water quantity practices.

Animals and livestock

Heavy use area for a 55-horse stable

Jason is developing a heavy use area (HUA) project, a surface drainage protection project, and a manure handling strategy for a 55-horse stable in Lake Oswego. We are looking to have a funded project for the HUA implemented this summer. The manure handling piece will take more time to develop as we determine the best ways to remove manure from the site.

Heavy Use Area Protection is the USDA Natural Resource Conservation Service's Conservation Practice Standard 561. NRCS defines a HUA as "The stabilization of areas frequently and intensively used by people, animals or vehicles by



establishing vegetative cover, surfacing with suitable materials, and/or installing needed structures." You can read the entire practice standard at: <u>http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_026275.pdf</u>

Pasture management and off-stream watering on the Molalla River

Jason also finished a plan for a pasture improvement project that utilizes cross-fencing and a watering facility to improve utilization of pasture grasses and protect water quality. His design allows a single watering facility to serve several pasture "segments," thus saving the landowner money while still meeting the resource needs and operating goals for the property. This site is along the Molalla River.

Marital crisis averted!

Erik visited some very enthusiastic landowners in Milwaukie. This was a follow-up visit after our lawn alternatives workshop. One partner wanted to keep all of the lawn, the other wanted to get rid of it all. At the end of the day, we came up with a compromise solution that may include a rain garden and native plant garden.

Flooding problem evaluated

Jason and Jenne partnered on a visit with landowners who have been experiencing flooding on their property. Historically, this hasn't been a problem at this site, so staff assessed the potential causes and developed recommendations to help mitigate the situation. We provided the landowners with historic aerial photographs to help them visualize what may be happening.

Primary benefit: Water quality

All benefits:

♦ Water quality
 ♦ Wildlife habitat
 □ Weed control
 ♦ Watershed health
 □ Weather impacts
 ♦ Working lands
 □ Working together
 □ Workshops, education, outreach
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WEEDS = Detecting, controlling, and eradicating invasive plants. *Invaders affect wildlife and crop production. In some cases they pose health risks to people and animals.*

Garlic Mustard treatments, cross-training, and babies

Jeremy job-shadowed Jeff on several Early Detection and Rapid Response (EDRR) treatments of Garlic Mustard. This cross-training allows us to continue providing seamless service to our customers despite the recent birth of Sam's son and the impending birth of Jeff's daughter!

Jeremy has also been called out on several site visits dealing with weeds in pastures, mainly blackberry, tansy ragwort, and Scotch broom. Some of these calls have been the result of proactive outreach being done through our WeedWise program.

Similarly, Jason provided recommendations for weed treatments to two landowners, one with Scotch broom on the Sandy River and one with horsetails (native plants, but unwanted by the landowner) on the Salmon River.

To report weeds, visit our website: http://conservationdistrict.org/how/report-weeds



Primary benefit: Weed control

All benefits: Water quality Water quantity Wildlife habitat Weed control Watershed health Weather impacts Working lands Working together Workshops, education, outreach Workplace functions, accountability

WILDLIFE = Developing habitat conditions to enhance the life cycle of wild creatures. CREP and riparian restoration activities are focused on habitat but offer additional benefits.

Spring Creek

Waldorf School wildlife enhancement

Erik and Jenne are talking with the Portland Waldorf School in Milwaukie about restoring Spring Creek. The creek flows across the school grounds confined in a stone channel constructed before World War II. Due to several barriers, Spring Creek is not a fish-bearing stream, but as the name implies, the spring-fed creek provides cold, clean water to Johnson Creek. The Johnson Creek Watershed Council seems interested in partnering on this potential project.



Spring Creek goes "dark" where it flows through pipes and culverts

This urbanized stream is not fish friendly!

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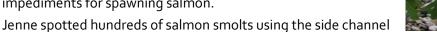
Bringing daylight to a dark creek

As a tie-in to the Waldorf School project, another property owner along Spring Creek has asked for our assistance to "daylight" a short spring-fed tributary that feeds into Spring Creek. There are also several other schools and churches within close proximity to the creek so there may be a real opportunity for long-term involvement within the Spring Creek sub-basin.

Sandy River

Jenne went on two technical assistance site visits to the Sandy River watershed this month. One of the site visits was on a parcel with invasive tree ivy. That landowner was interested in recommendations and in controlling the ivy.

The other site visit was to a neighborhood on the Salmon River, a tributary to the Sandy River. Several years ago the Forest Service assisted with a fish habitat enhancement project on the Salmon River adjacent to the neighborhood. The project consisted of the creation of a side channel. That side channel is now filling in with rock and sediment in a few spots, creating impediments for spawning salmon.





during the site visit. Next steps involve getting a hydraulic engineer and fish biologist out to the site to further investigate the problem and identify potential solutions.

 Primary benefit:
 Wildlife habitat

 All benefit::

 • Water quality □ Water quantity • Wildlife habitat □ Weed control • Watershed health □ Weather impacts
 □ Working lands □ Working together □ Workshops, education, outreach □ Workplace functions, accountability

Our Other W's

WATERSHEDS = Working toward stronger, more resilient watershed conditions.

Council of Councils to meet

We prepared for a regular meeting with watershed councils. We call this group the Council of Councils. With ten watershed councils in Clackamas County, plenty of conservation activity occurs! We meet with these folks once a quarter to discuss challenges and opportunities. The next meeting will occur in June.

Local Priorities Program

How to help everyone with limited resources?

We face a difficult challenge: how do we help everyone who needs help when our resources are limited?

Our mission is to provide technical and financial support to conserve and use resources sustainably today and for future generations. Delivering the services necessary to fulfill our mission is a daunting task!

Focusing resources

One way to reach the entire District is to change the way we do business.

If we could focus our cadre of conservationists in a particular area and then invest in the most important on-the-ground conservation actions, we would see more effective conservation of natural resources in that area.

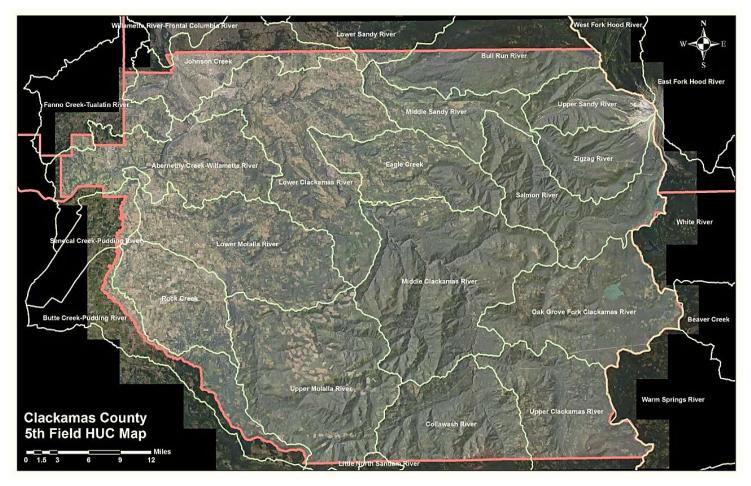
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To assure we serve people throughout the District, we could shift our focus every year until we had covered the District...and then repeat that cycle. That is the basis of the Local Priorities Program.

Using watersheds as the geographic focal points

Watershed boundaries depend on how closely you look. For example, we have the Willamette River watershed, and within that we have the Clackamas River watershed, and within that there are smaller and smaller watersheds. It is like a set of Russian nested dolls: as you look closer, you find more watersheds that get smaller and smaller.

There is a standardized system of classifying watershed boundaries created by the United States Geological Survey. Watersheds are hydrologic units, and each is numbered with a particular hydrologic unit code, or HUC. The size of watersheds we are using in the Local Priorities Program are 5th Field HUCs.



Involving stakeholders

Focusing our work won't mean much unless we are able to engage stakeholders in the focus watersheds. We propose creating Watershed Advisory Committees in each watershed. The role of each watershed WAC will be to advise the District on the most important conservation actions that could be taken to resolve issues that impair the quantity or quality of natural resources in the watershed. Meetings of advisory committees would be facilitated by District staff.

Watershed councils are important partners to the District and their participation will be crucial to the success of this program. By more closely integrating the priority actions to be taken by the District with the work being done by watershed councils, duplication of effort can be avoided and the work of partners can be leveraged to the advantage of all.

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The cycle

We anticipate working with one WAC annually to develop recommendations on priority conservation actions. The District would follow that by crafting conservation assistance programs to address the needs identified by the WAC, and then delivery those programs for two years.

After two years of program delivery, the committee would meet to review progress, decide again on the most important conservation actions, and submit recommendations to the District.

Limiting factors with adaptive management

For readers with a scientific bent, the Local Priorities Program is founded on the principles of limiting factors analysis. The use of stakeholders to help us identify priorities and then review and modify those priorities is the basis of a locally driven adaptive management loop tacked on to help us change our programs to meet evolving local needs.

The District is not aware of any other soil and water conservation district utilizing this limiting factors methodology to engage stakeholders in determining the most important actions to implement, across an entire district landscape, with an adaptive management component that periodically refreshes the recommended priority actions.

WEATHER = Developing responses to our changing climate, and to floods and droughts.

Increasing the amount of weather data collected locally is a baseline strategy to help us deal with weather-induced changes.

County Fair drawings

If you're interested in weather, stay tuned for details of exciting prizes for Clackamas County folks. We will have drawings during the week of the Clackamas County Fair where we'll be giving away conservation prizes like native bee nesting boxes, rain gauges, and weather stations. And we'll be in a new location closer to the pies!

Learn about weather

Do you follow blogs on the Internet? One of our favorite weather blogs is written by Dr. Cliff Mass. Cliff is a University of Washington Professor of Atmospheric Sciences and he is a prolific weather blogger. Find his blog at http://cliffmass.blogspot.com/

WILDLANDS = Working to improve and protect wildlands, including prairies and forests. One way we address wildland issues is by working with the Clackamas Stewardship Partners. Encouraging fire breaks and fire-resistant native plants around buildings also helps protect wildlands.

We continued to participate in the rich, diverse discussions facilitated by the Clackamas Stewardship Partners.

Jenne also assisted with density monitoring on a thinning project in the Oak Grove Fork watershed (part of the Clackamas River watershed).

WORKING LANDS = Providing service to help keep agricultural lands healthy and productive. *Our work with nurseries, Christmas tree farms, crop and food producers, and farmers markets all fit in this category.*

Projects cover working lands

Our 3D Project directly addresses working lands. Clair also provided rainwater harvesting information as part of Clackamas County's Equine Impact Analysis. In fact, you'll find that "working lands" is a common theme throughout this monthly report of conservation actions!

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WORKSHOPS, OUTREACH, EDUCATION = Reaching and teaching citizens, agencies, partners, and others.

Scholarships

This year ten students submitted scholarship applications. The applications were reviewed by our Scholarship Committee. Two Clackamas County students were awarded \$1,000 scholarships for their college education. But hold the phone, because you'll hear next month that we awarded two more scholarships in June! The quality of applications this year was very, very high!

Clackamas County Lavender Festival

Come visit us at the Clackamas County Lavender Festival, June 30 and July 1. Ask us about rainwater harvesting and pollinators when you visit!

Workshops and presentations

Native plant garden design

Erik held a native plant garden design workshop for students at the Springwater Environmental Sciences School. The workshop focused on the basics of garden design and featured a show-and-tell with native plants provided by Bosky Dell Natives. Find their website at <u>http://www.boskydellnatives.com/</u>



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DIY Healthy Yards, Healthy Streams

In place of the scheduled DIY Healthy Yards, Healthy Streams workshop in the Kellogg Creek watershed, Erik and Jenne conducted personalized site visits to each of the four property owners that were planning on attending. In return for participating in the workshop, the landowners are eligible for a grant of up to \$2,500 to help implement recommended conservation practices.

Three of these landowners were previously involved with the Streamside Stewards program administered by North Clackamas Urban Watersheds Council (and funded by WES), however the planners identified other conservation opportunities on these parcels including invasive tree removal,



planting additional riparian vegetation, and invasive ivy and blackberry removal. The four properties show great potential for wildlife habitat.

Manure management

The District sponsored the morning break for a regional dairy manure management field day held at the North Willamette Research and Extension Center. Guest speakers filled the morning with informative talks, and then field trips to several dairies completed the day. This event had 55 participants.

Videos

Erosion control practices for Christmas tree growers

We are in post-production on a set of videos about erosion control practices for Christmas tree growers. In May, Lisa and Jeremy visited two Christmas tree farms. Don Sturm of Sturm Berry Farm is planting directly into established grasses on fairly steep slopes to reduce erosion problems. This operation also produces cane berries on the level portions of the property.

The other Christmas tree producer that we interviewed was Bob Schaefer of Noble Mountain Tree Farm, the world's largest single farm Christmas tree producer. Bob gave us a fascinating tour of his facilities and erosion control practices that protect the life blood of the farm: his soil.

Watch for these videos to be released around the end of June or early in July, with Jeremy serving as your host!

Conservation Clips: Rain gardens

We'll be starting work soon on a new set of Conservation Clips (our short videos) about rain gardens and bioswales.

More education-related actions

Small farms school is going to happen!

We dove into our work with OSU Small Farms Extension to help develop an event similar to Tree School, but focused on small farms. It is modeled after "living on the land" educational events occurring in Central Oregon this summer. We plan to deliver this event at Clackamas Community College in September, with classes focused on introductory farming topics and information for small acreage farmers.

Primary benefit:	Workshops, education, and outreach	
All benefits:	 Water quality Water quantity Wildlife habitat Weed control Watershed health Weather impacts Working lands Working together Workshops, education, outreach Workplace functions, accountability 	

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WORKING TOGETHER = Developing and nurturing key partnerships to help achieve our

conservation mission. Captured here are actions that help us build and maintain important conservation relationships.

Partners

Greater Oregon City Watershed Council

We staff an information table at the Greater Oregon City Watershed Council watershed tour. The tour was attended by about 25 people including Doug Neeley (Mayor of Oregon City), Brian Vaughn (Senior Natural Resource Scientist with Metro) and Cara Lewis (past planner with the District).

Erik toured Waterboard Park with City of Oregon City staff and Oregon City Natural Resources Committee members. The park features amazing exposed basalt formations and spectacular views of the metro area. The park is currently under consideration for Heritage Grove nomination by the City.

North Clackamas Parks and Recreation District

Eann developed two grant proposals for a project to create a backchannel on Mt. Scott Creek (major tributary of Kellogg Creek in Milwaukie) to support listed Coho and other anadromous fish. The North Clackamas Parks and Recreation District is the lead on the project. Applications have gone out to the Oregon Watershed Enhancement Board Small Grants Program and to The Nature Conservancy/Portland General Electric Salmon Habitat Fund.

Johnson Creek Watershed Council

The Clackamas County SWCD was very honored to be selected as a Johnson Creek Watershed Council "Riffle Award" nominee. We were in remarkable company!

City of Wilsonville

Tom has been talking with the City of Wilsonville on an integrated approach to issues in and along Boeckman Creek. This creek discharges directly into the Willamette River, is a salmon-bearing stream, and has both agricultural and urban land uses associated with it. Potentially, a project may develop where we could assist with weed control, enhancing habitat, and implementing conservation practices at local farms.

ACE Academy

Erik met with the director of the ACE Academy in Portland to brainstorm potential partnership opportunities for future projects. ACE Academy connects high school students with mentors to provide technical job skill training, such as architectural, engineering and construction. In one example, Metro has provided a Nature in Neighborhoods grant to help construct a wetland boardwalk using ACE students for the design and construction phases.

Conservation family...

Oregon Association of Conservation Districts

Jason continued to assist the Association in developing their new website. Tom was appointed to represent the Association at meetings of the Department of Environmental Quality's State Revolving Fund Advisory Committee.

Oregon Conservation Education and Assistance Network

Find many of the presentations made to soil and water conservation district staff at the annual CONNECT training event on OCEAN's website at <u>http://www.oceanconnect.org/connect_2012.php</u>

Polk Soil and Water Conservation District

Jason assisted the Polk SWCD with analyzing their computer network and made recommendations for data backup, system configuration, and email integration.

Jeremy assisted the Polk SWCD by teaching at their Outdoor School in held in Clackamas County at Canby Grove. Jeremy taught a session on soils and compaction to 22 students, showing how those conditions affect water

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infiltration, root development, and soil erosion. He also served as the instructor for five nature walk sessions where students were challenged to implement all they'd learned throughout the school and to use critical thinking to assess the environment around them for plant type, soils, animals they might expect to see, forest composition, and more.

 Primary benefit:
 Working together

 All benefits:

 Water quality
 Water quantity
 Wildlife habitat
 Weed control
 Watershed health
 Weather impacts
 Working lands
 Working together
 Workshops, education, outreach
 Workplace functions, accountability

WORKPLACE = Assuring accountability and the sound delivery of services.

Finance and Budget

Accounting

Marlene reconciled contributions to employee 457b savings plans against the wages we reported for 2010 and 2011. Marlene also completed eleven amended W-2c and W-3 forms as required by our IRS payroll audit. The W-2c forms (corrected W-2 forms) were mailed to employees along with a letter of explanation.

Budget

The Board of Directors formally adopted the budget for fiscal year 2012-2013.

Training

Erik attended the annual Ecoroof Portland Symposium held at the World Trade Center in downtown Portland. The theme for this year's program was "The Bottom Line" and featured several informative presentations on the true costs and benefits of green roofs. Speakers included local developers, an international expert on green roof thermal studies, and a research firm that conducted a national green roof performance study for the Government Accountability Office.

Agreements

We are developing a new agreement in which a landowner would grant a temporary project-related easement to the District. This agreement could be used for projects in which the District takes the lead in installing conservation practices, including entering directly into contracts with vendors and contractors to install certain practices.

We are also beginning to look at a form that would grant us permission to share project permission with the State Historical Preservation Office. (Abbreviated as SHPO, the abbreviated form is pronounced "ship'-oh.")

Health and Safety Committee

The Committee met during the month to discuss the upcoming summer field season. Because of the spotty nature of cellular phone coverage in parts of the District, the District purchased SPOT satellite messaging devices and one is assigned to each vehicle. These devices will allow an employee to send an emergency call for help, even in areas without cellular coverage.

Jason coordinated upgrades of five workstations for staff. The stations were made more ergonomically friendly and optimized for each individual.

Primary benefit:	Workplace functions, accountability	
All benefits:	 ♦ Water quality ♦ Wildlife habitat □ Weed control ♦ Watershed health □ Weather impacts □ Working lands □ Working together □ Workshops, education, outreach ♦ Workplace functions, accountability 	

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OUR PEOPLE

Board of Directors

Chair – Jan Lee Vice Chair – Don Guttridge Secretary – Joan Zuber Treasurer – Ron Oberg Member – Jesse Nelson Member – Mike Weinberg Member – vacant

Associate Directors

Roger Fantz, Lowell Hanna, Janiece Miller, Jim Toops

District Staff

Conservation Services

Jeremy Baker – 503.210.6009 Erik Carr – 503.210.6012 Lisa Dallaire – 503.210.6000 Jason Faucera – 503.210.6003 Rhoda Givens – 503.210.6008 Lisa Kilders – 503.210.6002 Clair Klock – 503.210.6007 Samuel Leininger – 503.210.6006 Jeff Lesh – 503.210.6010 Jenne Reische – 503.210.6011

District Staff

District Operations

Marlene Lloyd - 503.210.6004 Eann Rains - 503.210.6005 Tom Salzer - 503.210.6001

USDA Partners

Lorry Brown – FSA – 503.210.6022 Kris Homma – NRCS – 503.210.6031 Lee Ko – NRCS – 503.210.6032 Cory Owens – NRCS

Find our staff online at http://conservationdistrict.org/about/district-staff

COMMON ABBREVIATIONS

APHIS – USDA Animal and Plant Health Inspection Service	MOU – Memoradum of understanding (aka MOA)
ARCSA – American Rainwater Catchment Systems Association	NCPRD – North Clackamas Parks and Recreation District
BLM – Bureau of Land Management	NCUWC – North Clackamas Urban Watersheds Council
BMP – Best Management Practice	NOAA – National Oceanic and Atmospheric Administration
BOLI – Bureau of Labor and Industries	NPDES - National Pollution Discharge Elimination System
CCC – Clackamas Community College	NRCS – Natural Resources Conservation Service
CCE – Common Computing Environment	OACD – Oregon Association of Conservation Districts
CCSWCD – Clackamas County Soil and Water Conservation District	OAN – Oregon Association of Nurseries
CEDARS – Clackamas Early Detection and Reporting System	OCEAN – Oregon Conservation Employees Association Network
CIG – Conservation Innovation Grant	ODA – Oregon Department of Agriculture
CRBC – Clackamas River Basin Council	OAN – Oregon Association of Nurseries
CSP – Clackamas Stewardship Partners	OSU – Oregon State University
CSP – Conservation Stewardship Program - NRCS Cost Share	OTAC – Oregon Technical Advisory Committee
Program	OWEB – Oregon Watershed Enhancement Board
CWMA – Cooperative Weed Management Area	OWHCMP – Oregon Wildlife Habitat Conservation and Mgt. Program
DEQ – Oregon Department of Environmental Quality	PGE – Portland General Electric
DOG – Dollars On the Ground (CCSWCD cost-share program)	PRWC – Pudding River Watershed Council
EDRR – Early Detection and Rapid Response	RAC – Resource Advisory Committee
EQIP – Environmental Quality Incentives Program - NRCS Cost	RC&D – Resource, Conservation and Development
Share Program	RWH – Rainwater Harvesting
ESA – Endangered Species Act.	RFP – Request for proposal
FEMA – Federal Emergency Management Agency	RUSLE – Revised Universal Soil Loss Equation
FSA – Farm Service Agency	SDAO – Special Districts Association
GIS – Geographic Information Systems (Mapping Software)	SHPO – State Historic Preservation Office
GOCWC – Greater Oregon City Watershed Council	SWCD – Soil and water conservation district
IPM – Integrated Pest Management	UERC – Urban Ecosystem Research Consortium
ITB – Invitation to bid	USDA – United States Department of Agriculture
LGIP – Local Government Investment Pool	USFS – United State Forest Service
LID – Low Impact Development	USGS – United States Geological Survey
MOA – Memorandum of agreement (aka MOU)	WES – Water Environment Services

<u>Page 12 of 12</u> ~ Conclusions or opinions expressed in this document may not represent the official position of the Clackamas County SWCD. *The Clackamas County* Soil and Water Conservation District (CCSWCD) prohibits discrimination in all of its programs and activities on the basis of race, color, national origin, age, disability, gender, marital status, religion, sexual orientation, genetic information and political beliefs. CCSWCD is an equal opportunity employer.