



WORLD
SALMON
COUNCIL



2015 ANNUAL REPORT

World Salmon Council provides experiential education and encounters with Pacific wild salmon to connect students and adults with nature and empower community engagement.



From the Executive Director and Board President

For the past four years, World Salmon Council has delivered the award-winning Salmon Watch environmental education program to students throughout the greater Portland metropolitan and Columbia River Gorge regions.

Using salmon as a key indicator species of watershed health and the cultural icon of the Pacific Northwest, Salmon Watch incorporates innovative learning activities designed to enhance the critical thinking, problem solving, and effective decision-making skills of students, helps address the nature deficit that many of our youth experience, and gives kids a chance to make a difference in their neighborhoods and local watersheds.

We're excited to report that the 2015-2016 school year was our largest ever! Over 2,000 middle and high school students from Forest Grove to Gresham, McMinnville to Vancouver, and Hood River to The Dalles participated in Salmon Watch.

In nearly fifty classrooms at thirty-one schools, STEM, Core and Next Generation Science Standards aligned curriculum, resources and materials were provided to teachers to incorporate into their lesson plans.

A cornerstone of Salmon Watch is the field study. Many of our youth have never been to a wilderness area, never seen a spawning salmon, never gathered aquatic insects from a riffle to gauge the health of a stream.

Throughout September, October and November, we coordinated forty-nine field trips at nine salmon-spawning rivers. Bringing classroom instruction into the field, and then taking field education back into the classroom enhances the overall learning experience for these students.

Through more than a dozen community service learning projects, students were able to apply what they learned through hands-on, real world applications.

In addition, we had our first High School Student Leader teach to fellow students on a field trip and continued to expand our partnership with Mt. Hood Community College's Project YESS program.

We couldn't run this program without our volunteers. Over 125 people from diverse backgrounds gave more than 1,200 hours of service this past year. In addition to providing expertise on salmon biology and life-cycle, watershed health and riparian management, these volunteers shared an array of career opportunities and how to pursue these fields in higher education and beyond.

Many thanks again to all of our volunteers, teachers and staff for helping instill in the next generation of decision-makers a sense of place, a thirst for learning, and an ethic of life-long stewardship.

In gratitude,

A handwritten signature in black ink, appearing to read "Matt Burke".

Matt Burke
Executive Director

A handwritten signature in black ink, appearing to read "Michael Knapp".

Michael Knapp
Board President

HIGHLIGHTS FROM 2015

More than **2,000 students** participated in Salmon Watch instruction and field trips in the Portland metropolitan, Columbia River Gorge, and Southwest Washington regions

31 schools in 13 school districts ACCESS Academy | Beaverton High School | Centennial High School | Chief Joseph/Ockley Green K-8 | Clackamas Web Academy | Community Transitional School | Creative Science School | Creston K-8 | Forest Grove High School | Franklin High School | Grant High School | Gresham High School | HB Lee Middle School | Hood River Middle School | Hood River Valley High School | Hudson's Bay High School | Jason Lee K-8 | Liberty High School | Madison High School | Miller Education Center | Mt Tabor Middle School | Patton Middle School | Portland Waldorf School | Reynolds High School | Riverdale High School | Sam Barlow High School | Scott School | Sellwood Middle School | The Dalles Middle School | Walt Morey Middle School | Winterhaven K-8

49 field trips at Cedar Creek | Eagle Creek | Eagle Fern Park | Humbug Creek | North Fork of the Lewis River (new site in 2015) | Little White Salmon River | Nestucca River (new site in 2015) | Salmon River | Zigzag River

115 Volunteer Educators from 3 Ways to Change Consulting | Bonneville Power Administration | Bureau of Indian Affairs | Cascade Business Group | CASM Environmental

| Centennial High School | Clackamas River Water Providers | Clark Public Utilities Stream Stewards | Columbia Riverkeeper | David Evans & Associates | Environmental Management Systems | ERM | Gorge Fly Shop | Greater Yamhill Watershed Council | Grow and Make | Hood River Soil & Water Conservation District | Integrated Health Clinics | Johnson Creek Watershed Council | Metro | NOAA-National Marine Fisheries Service | Oregon Dept. of Forestry | Oregon Dept. Fish & Wildlife | Oregon Environmental Council | Oregon Parks and Recreation Department | Oregon State University | Oregon State University Extension Service | Pacific States Marine Fisheries Commission | Portland Police Bureau | Portland State University | Portland State University Center for Science Education | Project YESS | R2 Resource Consultants | River Capital | Sandy River Basin Watershed Council | Tevlin Strategic Communication | The Freshwater Trust | Tillamook Bay Watershed Council | Trout Unlimited-Clackamas River Chapter | Trout Unlimited-Tualatin Valley Chapter | US Army Corps of Engineers | US Bureau of Land Management | US Fish & Wildlife Service | US Forest Service | US Geological Survey | USDA-NRCS | Wasco County Soil & Water Conservation District - | Werner Financial Consultant | WildEarth Guardians | Yamhill Soil & Water Conservation District **provided over 1,200 hours of field trip instruction**

Salmon Watch classrooms benefited their communities with more than a **dozen Service Learning Projects**



SALMON WATCH SPOTLIGHT: HIGH SCHOOL STUDENT LEADERS

At our Salmon Watch training session this past August, there were many new teachers and volunteers learning best practices for teaching kids science in nature. Joining the adult participants was Maria Fuentes, a bright and motivated junior from Centennial High School in Gresham.

With a strong passion for environmental science and policy, Maria had interest in becoming involved in projects that complemented her classroom learning. Joel McKee, biology teacher at Centennial and mentor to Maria, suggested that she consider getting trained as a Volunteer Educator for Salmon Watch, and then teach a field station for his class.

After completing the training session, in September Maria joined McKee's biology class on the Salmon River, serving as a field trip instructor and teaching her schoolmates about macroinvertebrate (aquatic insect) collection and identification, and how their presence or absence can be an indicator of stream health.



Although Maria said she was at first nervous that she wouldn't be able to answer all of the questions students might ask her, she found that it got easier each station rotation.



She said, *"I really enjoyed being able to share with my friends what I had learned. They were really interested to find out that you can do this type of work for a living and get paid to work outdoors!"*

Maria is currently working with her school's activities director, administrators and other students to help make Centennial an official 'Green School', with a garbage audit project planned for the spring.

In addition to wanting to know "why do we need to know this stuff", Maria's classmates wanted to know how she became an instructor, and could they do it too. Maria is looking forward to being a Salmon Watch instructor next year, and recruiting other students to become Volunteer Educators.

According to Maria, *"These experiences really helped me to see my future. I now know that I want to educate people in some capacity, and hopefully pursue a career in helping to remove pollution from our water supplies."*

SALMON WATCH SPOTLIGHT: PROJECT YESS

Project YESS, housed at Mt. Community College, serves young adults ages 16-24 as they establish career goals, develop job search and life skills, and transition to college or advanced training opportunities.

World Salmon Council again worked with students and faculty to provide training in how to work with kids in nature and instruct the four field trip subject areas: salmon biology, macroinvertebrate identification, water quality testing, and riparian zone observation. Eight Project YESS Youth Ecology Corps crew members then led instruction on two field trips to Eagle Creek for sixty Walt Morey Middle School 6th graders.

"I got inspired during my Salmon Watch experience to write about Pacific Northwest salmon and their life histories for my final paper for English class. I'm definitely interested in pursuing a career in environmental education and naturalism. I would love to continue educating others in the environment."

Hanna, MHCC student & Youth Ecology Corps member, Volunteer Educator



SALMON WATCH COMMUNITY SERVICE LEARNING PROJECTS

Mt Tabor Middle School, 6th grade

Returned to their field trip site in December to release juvenile Chinook salmon into the Salmon River. In the spring, studying methods for reducing polluted runoff in preparation for constructing a rain catchment system.

Franklin High School, 10-12th

grades Partnered with Portland's Bureau of Environmental Services & Clean Rivers Education to affix the familiar "Only Rain Down The Storm Drain" medallions above storm drains and distributed informational door hangers in the neighborhoods surrounding their temporary campus at the former Marshall High School in outer southeast Portland.

Scott School, 6th grade Put together a public presentation on their experiences at Eagle Creek seeing spawning salmon, conducting water quality assessment and macroinvertebrate sampling, and what people can do to keep our watersheds healthy; presented it to other classrooms.

Centennial High School, 12th grade

Partnered with Johnson Creek Watershed Council to remove invasive species and plant native trees and shrubs in the riparian zone of Jenne Creek near Centennial High School Campus, a tributary of salmon-bearing Johnson Creek.



Gresham High School, 10th grade

Analyzed the Great Pacific Garbage Patch in relation to their Salmon Watch field site in Mt Hood National Forest to provide a global-local perspective on the issue of waste and litter; conducted a multi-day clean up project in the neighborhoods around Gresham High School.

Walt Morey Middle School, 6th grade

Created a visual art project to help educate their peers on how the salmon life cycle occurs in a chain of connected environments: stream, estuary, nearshore, and ocean. If all of these environments are not maintained in a healthy state, salmon populations can decline.

HB Lee Middle School, 6th grade

Transformed their school hallway into a stream simulation to illustrate the salmon life cycle and the need to protect our rivers and streams.

Liberty High School, 10-12th grades

Partnering with Hillsboro Public Works to label storm drains around the school campus. These highly visible markers are an on-going reminder to not dump harmful materials into the storm drain system, helping to reduce the pollution flowing into our waterways.

Grant High School, 9th grade As part of a research and literacy project, conducting a letter writing campaign to the Oregon Dept. of Fish & Wildlife with policy recommendations to improve hatchery management in the Pacific Northwest.

Hood River Valley High School, 12th

grade Partnering with Columbia Riverkeeper to conduct E.Coli monitoring at Indian Creek. Additionally, students are planting native trees and shrubs in the riparian corridor along Indian Creek that was previously cleared of invasive Himalayan Blackberry bushes.

Patton Middle School, 6th grade The Greenhouse Class at Patton Middle School sprouted native plants that they then planted around the school campus and at a local nature park managed by the Rotary Club.

The Dalles Middle School, 6th grade

Partnering with The Dalles Public Works to label storm drains around the school campus. This project will help increase public awareness of how dumping waste in storms drains contributes to water pollution.

A majority of these projects occurred in spring 2016 as part of the 2015-2016 school year. More projects featured online.



Our heartfelt thanks to the following for your contributions to World Salmon Council and Salmon Watch during our 2015 fiscal year. You make our program stronger and our work possible.

**FOUNDATION,
GOVERNMENT,
BUSINESS AND
NONPROFIT GRANTS**

Amazon Smile
Dick's Sporting Goods
Fred Meyer Rewards
The Jackson Foundation
Meyer Memorial Trust
MK+Associates
Pacific States Marine Fisheries
Commission
Portland General Electric
Trout Unlimited-Clackamas
River Chapter
US Bureau of Land
Management
US Forest Service

INDIVIDUALS

Robin Barbera
Julia Bond
Matt Burke & Jill Fuglister
Linda Burke
Rob & Lesley Fuglister
Bryn Gillem
Dave Heller
Walt Hollands
Joe Kelly
Jim Martin
Michael Menashe Charitable
Giving Fund of the Oregon
Jewish Community Foundation
Mark & Marcie Neher
Steve Raymond
Elizabeth Saunders Donor
Advised Fund of the Oregon
Community Foundation
Mary Ann Schmidt
Sam Smith
Kai Steimle
Susan Thornburg
Terry Turner
Lindy Vivas
Krystyna Wolniakowski

IN-KIND SUPPORT

Grand Central Bakery
Patagonia
Starbucks
Yosh Gunawardena,
Roger That Agency

**FIELD TRIP LOGISTICS
& MATERIALS**

Camp 18 Logging Museum &
Restaurant
Clackamas County Parks
Clark Public Utilities Stream
Stewards
Matt Walker, US Bureau of
Land Management
Oregon Dept. Fish & Wildlife
Clackamas North Willamette
Watershed District
Pat Edwards, Portland State
University
Renee O'Neil, Oregon Sea
Grant, OSU
Tillamook Forest Center
US Fish & Wildlife Eagle Creek
National Fish Hatchery
US Fish & Wildlife Little White
Salmon National Fish Hatchery
US Forest Service Columbia
River Gorge National Scenic
Area
US Forest Service Mt Hood
National Forest Zigzag Ranger
District

We are deeply grateful to the following Volunteer Educators who donated their time, expertise and services to make our field trips possible this year:

Donna Acord
Julia Acosta
Todd Alsbury
Andy Andrews
Wendy Archibald
Julia Bond
John Brandsberg
Tom Bright
Christine Buhl
Stephanie Caballero
Brett Carre
Alex Chatfield
Sean Connolly
Bob Cordie
Hilary Cosentino
Steve Couche
Theresa Crain
Justin Dauphinais
Janet Davis
Oliver Dillner
Wendy Doerner
Hilary Doulos
Cristin Ellis
Mike Ellison
Derek Faber
Chuti Fiedler
Maria Fuentes
Maya Fuller
Cheyenne Gagne

Lisa Galbraith
Ronald Garst
Karrie Gibbons
Zoe Gieringer
Valerie Glowinski
Jana Grote
Deb Hanson
Keith Hanson
Keith Hatch
Neyssa Hays
Deb Hill
Hannah Hodgson
Elliot Hohn
Calvin Hollands
Dick Hollenbeck
Christine Hollenbeck
Diane Hopster
Emi Ikeda
Noah Jenkins
Joseph Karasek
Michael Knapp
Mike Knutz
Peter Kotkas
Gregory Kovalchuk
Karen Lamson
Paul Landau
Hanna Lee
Jena Lemke
Monique Leslie

Gerald Magee
Rick Martinson
Laurie McDowell
Riley McGinley
Shaun McKinney
Danielle Miles
Penny Mock
Treicia Molina
Tom Murtagh
Shivonne Nesbit
Aaron Parker
Andrew Perrault
Mary Peters
Caroline Peterschmidt
Stephen Phillips
Lauren Pidot
Katie Pierson
Jennifer Poirier
Traci Price
Rachel Reagan
Robert Reagan
Elijah Rebensdorf
Amelia Reed
Mark Rogers
Ethan Rosenthal
Christopher Rossel
Rob Russell
Darcy Saiget
Katie Santini

Bruce Schmidt
Mary Ann Schmidt
Anna Schmidt
Celeste Searles
Mazzacano
Phil Simpson
Jeremy Stahler
Kai Steimle
Erik Steimle
Brick Street
Paul Sybor
Liz Terhaar
Jonathan Terhaar
Michael Tevlin
Cindy Thieman
Andre Thomas
Josie Thompson
Joshua Thompson
Margaret Townsend
Terry Turner
Geana Tyler
Valerie Verhei
Marie Vicksta
Ben Walczak
Gregory Wanner
Bill Weiler
Alex Whistler
Jack Williamson

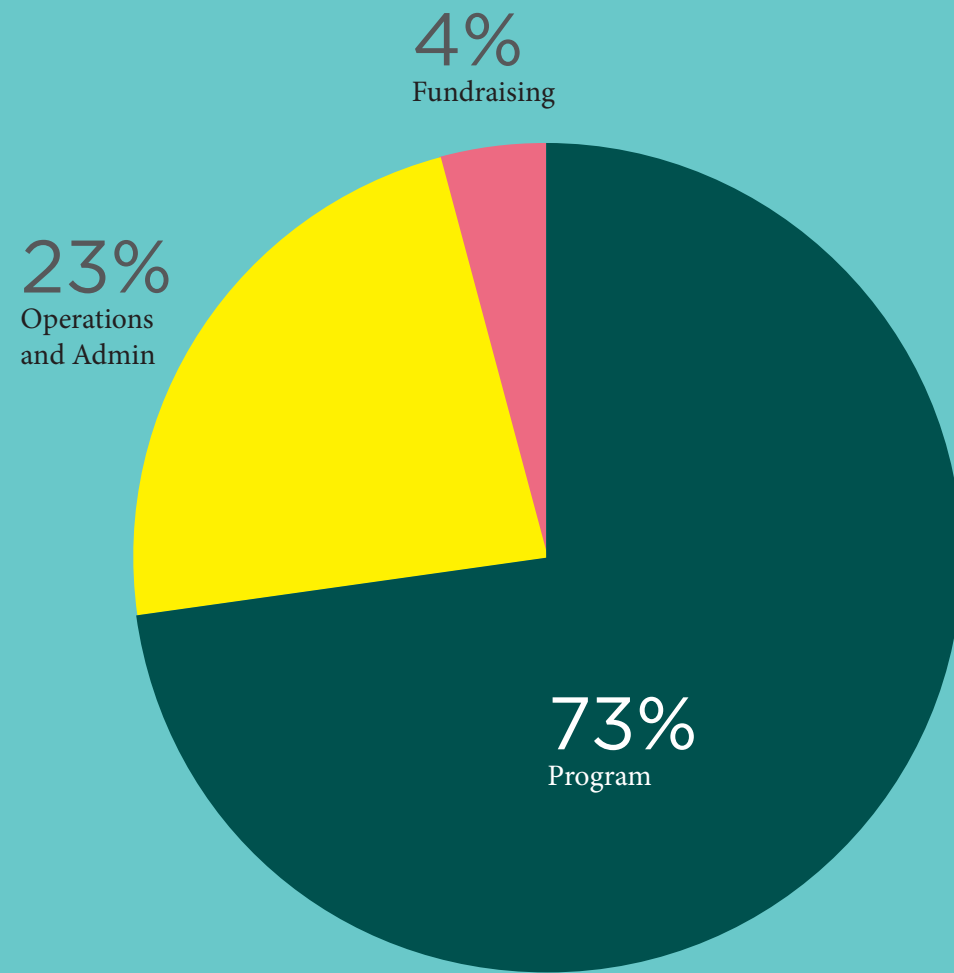
Special thanks to our Lead Trainers for developing and leading the training sessions for new teachers and volunteers:

Wendy Archibald
Christine Buhl
Dan Daly
Jana Grote

Walt Hollands
Joe Kelly
Jim Martin
Rick Martinson

Laurie McDowell
Shivonne Nesbit
Mary Ann Schmidt
Kai Steimle

EXPENSES



STATEMENT OF ACTIVITIES

December 31, 2015

SUPPORT & REVENUE

Foundation Grants	3,375
Business	12,833
Individuals	5,775
Government Grants	31,666
Special Events	9,500
Program Revenue	1,400

Total Support & Revenue 64,551

EXPENSES

Salmon Watch	76,715
Fundraising	4,482
General & Admin	24,554

Total Expenses 105,751

STATEMENT OF FINANCIAL POSITION

December 31, 2015

ASSETS

Cash	118,958
Other Current Assets	320
Total Current Assets	119,278

LIABILITIES & EQUITY

Opening Balance Equity	333
Retained Earnings	160,138
Net Income	-41,193

Total Liabilities & Equity 119,278

Statement of Activities does not show multi-year grant revenue secured in 2014 for support of work in 2015.

“Besides the thrill of seeing salmon in their natural setting, Salmon Watch allows a hands-on experience with dedicated teachers and knowledgeable volunteers—one of the best ways to learn. I have participated since the program began and can attest to how well the program has worked.”

Doug Cramer, Senior Fish Biologist, Portland General Electric Company, retired

“The Water Quality testing station was my favorite because I felt like a true scientist!”

Aiden, 6th grade student, Hood River Middle School

“Many of my students don't camp or hike or do anything outside of suburban parks. Getting them into the woods, into streams, walking in mud, seeing, smelling, feeling is simply something they need.”

Mark Geren, Environmental Science Teacher, Beaverton High School

Thank you to the following for generously volunteering their time, expertise and resources to Salmon Watch in 2015!

STEERING COMMITTEES & ADVISORY COUNCIL

PORTLAND METRO

- **Ian Chane**, US Army Corps of Engineers
- **Maya Fuller**, Outreach Specialist, US Bureau of Land Management
- **Pam Gentry**, Land Surveyor, Portland General Electric Co.
- **Brad Goehring**, Fisheries Program Manager, Mt Hood NF, US Forest Service
- **Jana Grote**, Fish & Wildlife Biologist, US Fish & Wildlife Service
- **Keith Hatch**, Fishery Biologist, Bureau of Indian Affairs, and Siletz tribal member
- **Walt Hollands**, Science Teacher, Grant High School
- **Steven Jones**, Science Teacher, Hudson's Bay High School
- **Jim Martin**, Professor, PSU Center for Science Education (retired)
- **Laurie McDowell**, Science Teacher, Lent School (retired)
- **Tom Murtagh**, District Fisheries Biologist, Oregon Department of Fish and Wildlife
- **Stephen Phillips**, Program Manager, Pacific States Marine Fisheries Commission
- **Karl Weist**, Fish & Policy Analyst, Northwest Power & Conservation Council

COLUMBIA RIVER GORGE

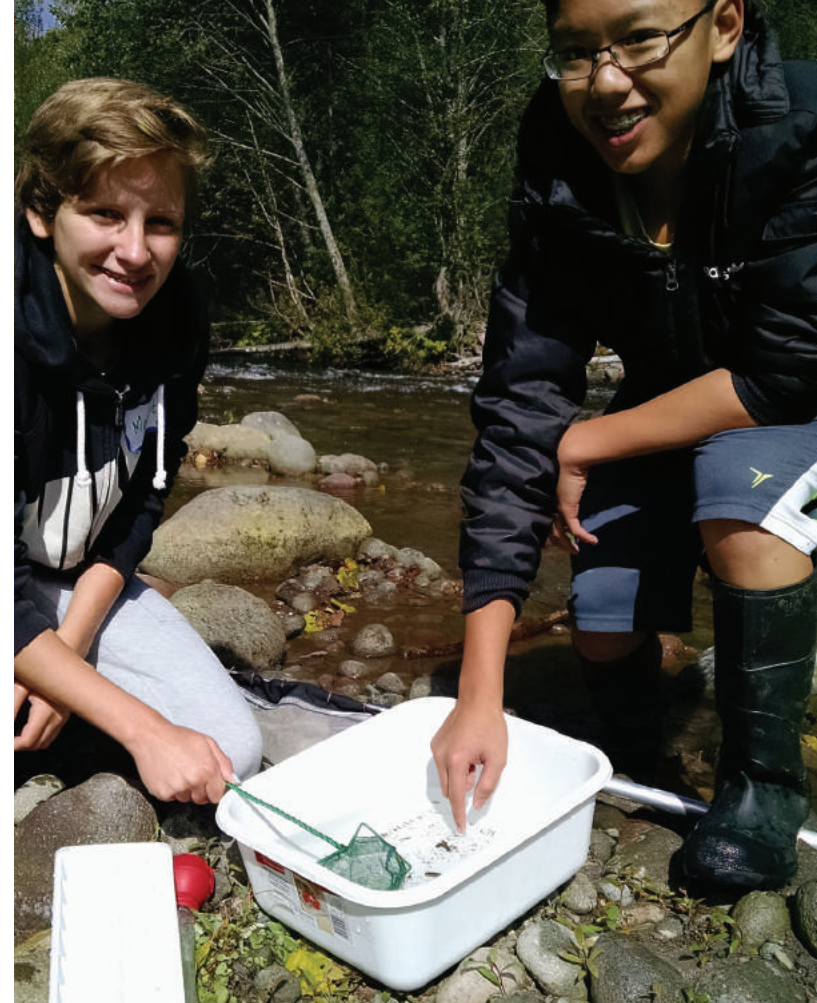
- **Stephanie Caballero**, Fish Biologist, Gifford Pinchot NF, US Forest Service
- **Brett Carre**, Fish Biologist, Columbia Gorge National Scenic Area, US Forest Service
- **Joe Kelly**, Science Teacher, Hood River Valley High School
- **Paul Landau**, Land Surveyor

- **Rick Martinson**, Biologist, Pacific States Marine Fisheries Commission
- **Andrew Perrault**, Product Specialist, Gorge Fly Shop
- **Bill Weiler**, Restoration Project Coordinator, Sandy River Basin Watershed Council

ADVISORY COUNCIL

- **Bill Bradbury**, Chairperson, Northwest Power & Conservation Council
- **Megan Kleibacker**, Watershed Education Coordinator, Oregon Sea Grant Extension Service
- **Sally Lewis**, Fundraising Professional, retired
- **Judy Li**, Professor, OSU Dept. of Fisheries and Wildlife, retired
- **Jim Myron**, Natural Resource Adviser to former Governor Ted Kulongoski, retired
- **Geoff Pampush**, Development Director, Peregrine Fund
- **Traci Price**, Environmental Education Advocate: 3 Ways to Change Consultant
- **Mary Ann Schmidt**, Program Director, Environmental Sciences & Management, Portland State University
- **Tom Wolf**, Executive Director, Oregon Council of Trout Unlimited
- **Krystyna Wolniakowski**, Executive Director, Columbia River Gorge Commission

Organizational titles and affiliations as of 2015





WORLD SALMON COUNCIL

BOARD *as of December 31, 2015*

Michael Knapp (*President*)
Owner, MK+A

Joe Kelly (*Vice President*)
Science Teacher, Hood River Valley High School

Terry Turner (*Treasurer*)
Senior Consultant, Cascade Business Group

Lindy Vivas (*Secretary*)

Jim Martin
Professor, PSU Center for Science Education (*retired*)

Kai Steimle
Fisheries Biologist, R2 Resource Consultants

Special thanks to the following for their
board service in 2015: Holly Vetrone

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Photo Credits- P1: Matt Burke, Cedar Creek P2: Joel McKee, Salmon River P5: (upper left to bottom right) Kirk Ordway, Salmon River; Alyssa Thornburg, Wildwood Recreation Site; Kirk Ordway, Mt Tabor Middle School; Lisa Galbraith, Zigzag River; Alyssa Thornburg, Wildwood Recreation Site; Kirk Ordway, Mt Tabor Middle School P6: Joel McKee, Salmon River; Alyssa Thornburg, Wildwood Recreation Site P7: Alyssa Thornburg, Eagle Creek P8-9: Joel McKee, Jenne Creek; Alyssa Thornburg, former Marshall H.S. Campus; Kirby Neumann-Rea, Indian Creek; Kirk Ordway, Salmon River; Alyssa Thornburg, former Marshall H.S. Campus P10-11: Rick Martinson, Eagle Creek P12-13: Lisa Galbraith, Zigzag River P15: Monique Leslie, Zigzag River