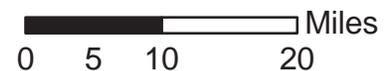
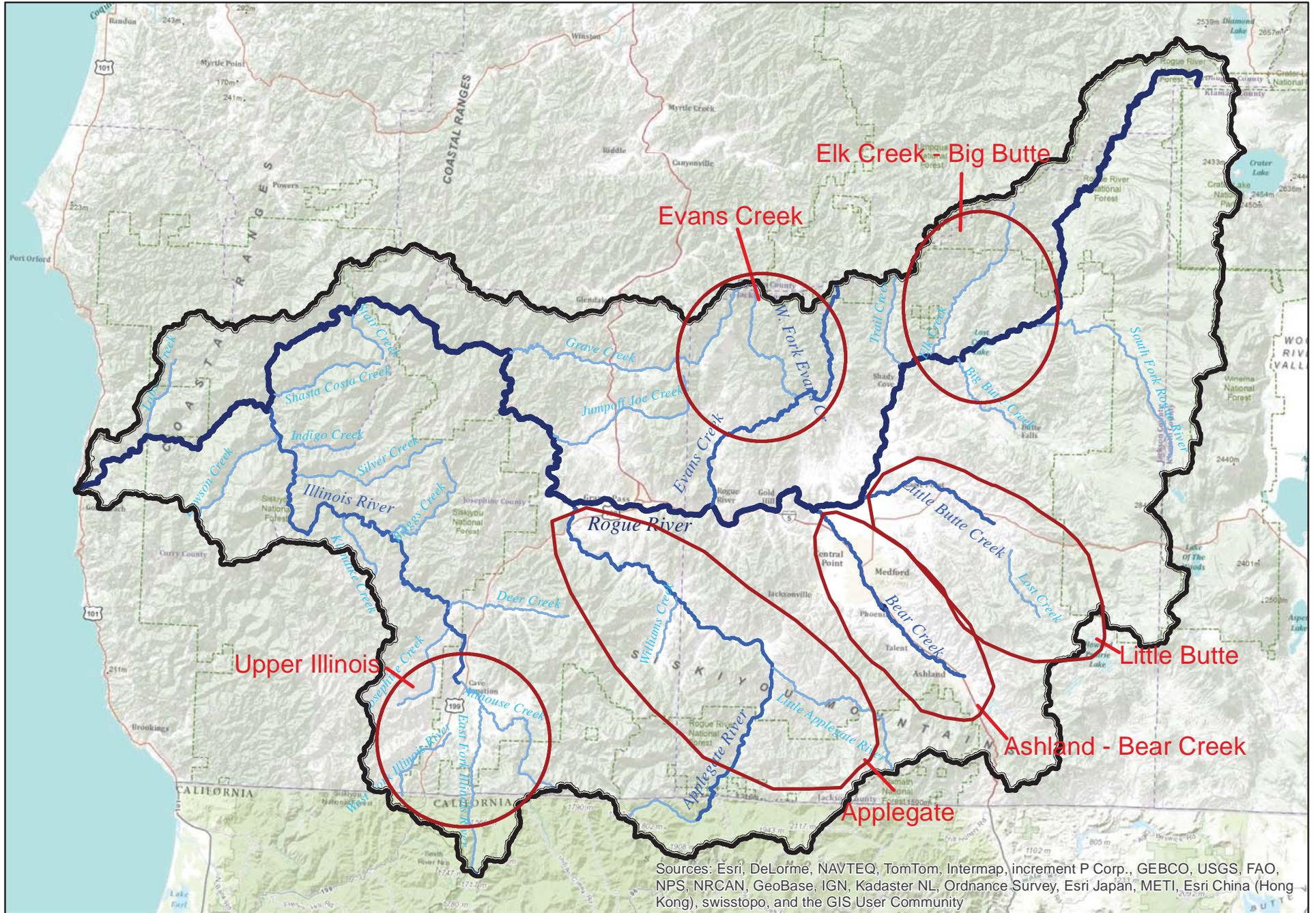


Map 28: Priority Watersheds, Corridors, and Confluences





Map 1: Rogue River Basin Priority Place-Based Planning Areas



**Table 1: Recent Plans in the Rogue Basin**

<b>Plan Name</b>	<b>Source</b>	<b>Year</b>	<b>Focus Area</b>
Conserving Natures Stage: Identifying Resilient Terrestrial Landscapes in the Pacific Northwest	The Nature Conservancy	2015	Terrestrial biodiversity, climate resiliency
Rogue River Estuary Strategic Plan	Lower Rogue Watershed Council	2015	Estuary conditions and restoration
Ecological Integrity Assessment - Rogue Basin	Oregon State University	2014	Existing terrestrial habitat conditions
Recovery Plan for Southern Oregon/Northern California Coast Coho Salmon	NOAA	2014	Basinwide coho recovery
Conservation Plan for Fall Chinook in the Rogue Management Unit	Oregon Department of Fish and Wildlife	2013	Fall Chinook conservation
The Rogue Action Plan for Resilient Watersheds and Forests in a Changing Climate	Southern Oregon Forest Restoration Collaborative	2013	Forest health and climate change
Elk Creek Watershed Restoration Action Plan	US Forest Service	2012	Elk Creek watershed
Water Quality Status and Action Plan: Rogue Basin	Oregon DEQ	2011	Water quality
Conservation Plan 2012-2020	Southern Oregon Land Conservancy	2011	Land conservation in Jackson and Josephine Counties
Inland Rogue Agricultural Water Quality Management Plan	Oregon DOA	2010	Agricultural practices
Restoring the Rogue	Klamath-Siskiyou Wildlands Center	2010	Restoration on Federal Lands
Final Preliminary Feasibility Study - Bear Creek and Little Butte Creek Watersheds	WISE Project	2009	Water management
Preparing for Climate Change in the Rogue River Basin	University of Oregon	2008	Climate change adaptation
Rogue Spring Chinook Conservation Plan	Oregon Department of Fish and Wildlife	2007	Spring Chinook conservation
The East Cascades - Modoc Plateau and West Cascades Ecoregional Assessments	The Nature Conservancy	2007	Existing terrestrial biodiversity
Ashland Creek Watershed Assessment and Action Plan	Bear Creek Watershed Council	2007	Ashland Creek watershed conditions
Middle Applegate Assessment Project	Applegate Watershed Council	2007	Middle Applegate
Oregon Conservation Strategy	Oregon Department of Fish and Wildlife	2006	Basinwide threats to habitats and species
Rogue Basin Watershed Health Factors Assessment	Rogue Basin Coordinating Council	2006	Basinwide limiting Factors and Threats
Upper Rogue Watershed Assessment	Upper Rogue Watershed Association	2006	Upper Rogue Subbasin
Lower Rogue Watershed Assessment	Lower Rogue Watershed Council	2005	Lower Rogue
Klamath Mountains Ecoregional Conservation Assessment	The Nature Conservancy	2004	Existing terrestrial biodiversity
Assessment of Aquatic Habitat Monitoring Data in the Rogue River Basin...	Conservation Biology Institute	2003	Existing aquatic habitat conditions
Williams Creek Watershed Assessment	Williams Creek Watershed Council	2000	Williams Creek watershed conditions
Rogue Basin Fish Access Team Strategic Plan	Rogue Basin Fish Access Team	2000	Fish Barrier Passage
Applegate Watershed Assessment	Applegate Watershed Council	1994	Applegate Subbasin conditions

**Table 2. Project Work Plan, Timeline and Budget**

Step	Tasks	Deliverables	Outcomes	Timeline	Estimated Cost
Planning Step 1	Generate list of additional key stakeholders (beyond existing partners already in the Rogue Basin Partnership) in each of priority watershed and corridor of the Rogue Basin Action Plan (Map 28) where water resources management is a limiting factor.	Rogue Basin Partnership would extend its membership to more entities. It will retain its governance structure under which this project would operate, along with a project charter. Work with new partners to get them up to speed on efforts underway	Expansion of the Rogue Basin Partnership and collaboration efforts already well underway in the Basin	May 2016	\$ 10,000
	Set expectation and ground rules for the water resources project by developing working agreements to be signed by stakeholders in each priority area	Signed project charter by participants in each of the six priority areas where water resources management is a limiting factor. Documentation of process through meeting summaries	Clear commitment and understanding of the process	June 2016	\$ 10,000
	Develop a consistent process of outreach and engagement in each area and coordinate the timeline for each. The areas will be lumped into six units: Elk Creek-Big Butte, Little Butte, Ashland-Bear Creek, Evans, Applegate, Upper Illinois	A clearly defined outreach strategy, with associated workplan and timeline will be produced. The work will be integrated with the community and landowner outreach materials development and communications training scheduled as part of the Rogue Basin Action Plan implementation in 2016.	Refinement of the water management strategies in the priority watersheds where flow is a limiting factor.	July-August 2016	\$ 18,000
Planning Step 2	Using the extensive GIS based data and analysis, reports and studies already gathered from the development of the Rogue Restoration Action Plan process, to complete a detailed refinement of the water resources issues in the priority areas (Elk Creek-Big Butte, Little Butte, Ashland-Bear Creek, West Fork Evans, Applegate, Upper Illinois)	Prepare a briefing on the physical, infrastructure and social constraints and opportunities to advance more effective and efficient water resources management in priority areas. GIS data and reports are already available in a comprehensive geodatabase and in shared server folders to all Rogue Basin Partnership members. Much of the Rogue Basin Action Plan analysis will soon be posted on Databasin.org	Increased understanding of specific water issues and opportunities in each priority area	May - July 2016	\$ 30,000
Planning Step 3	Using the current vs projected climate impacted 2040 and 2080 flow estimates from the Streamflow Metric dataset, water rights analysis (anticipated to be completed as part of a Flow Restoration and Feasibility Analysis), the WISE analysis in Little Butte/Bear creek and other relevant information (groundwater, land use, etc.), evaluate current and future water needs for all sectors (economic, social, and ecological).	Map and summarize the range of water supply and demands by month for each priority area. Include both surface and groundwater use. Identify the months and areas of critical concern, and the amounts needed to resolve critical status. Review with internal stakeholders before releasing as part of public forums.	Detailed understanding by the partners and other stakeholders of where and when conditions are critical (and where they aren't) and how much water management needs to be pursued to improve conditions for all sectors.	June-September 2016	\$ 42,000
	Host a community forum each of the six priority areas for stakeholders to share their information, concerns, and offer potential solutions. Provide analysis completed to help inform the discussion and ground truth with local knowledge.	Prepare a summary briefing of the dialogue from each meeting, as well as arcing issues identified across the Basin.	Shared maps and community understanding of the water management challenges facing the Rogue River and the priority areas specifically	October 2016	\$ 24,000
	Prepare a robust survey for landowners, water providers and community members to share their priorities, concerns, suggested solutions, and information regarding water management in their area	Documentation of results from a community-based survey of water issues that provides perspective for each priority area, as well as rolled up for the larger basin.	Further refinement of community issues and opportunities for management in each priority area.	November 2016	\$ 7,000
Planning Step 4	Develop options for each priority area to meet long term water needs for all sectors, Assess viability of options given community and stakeholder feedback at forums and surveys.	Prepare a summary brief of the alternatives considered for each priority area and the prioritization process used to determine actions	Shared vision and understanding of water management strategies to be pursued in each community.	December 2016-April 2017	\$ 45,856
	Prioritize actions and identify implementation responsibility to the appropriate stakeholder party.	Secure commitment from implementors regarding their potential assignments as part of the brief.	Commitment to act from implementing organizations and other willing partners	May-July 2017	\$ 10,000
	Host a community forum in each of the six priority areas to share the options and prioritization, and gather feedback on the approaches proposed. As needed, conduct followup sessions with key stakeholders and landowners.	Documentation of the feedback from the community on the proposed approaches and any revisions intended to be integrated into the final actions	Identification of potential conflicts and commitments to resolve through innovative approaches and shared sacrifice.	August 2017	\$ 30,000
Planning Step 5	Integrate the water resources planning process into an update of the Rogue Restoration Action Plan (which already contains many aspects of this proposed planning effort, and is the guiding implementation document of the Rogue Basin Partnership and its members)	Prepare a summary plan of the integrated water resources analysis, prioritization of actions, and the list of specific implementation strategies in the priority watersheds. Share the outcome with all interested stakeholders via email/listserv.	Further refinement of the Rogue Restoration Action Plan that includes all the additional water resources analysis of this planning effort, as well as reinforcement of the existing coordination efforts of the (expanding) Rogue Basin Partnership.	September-December 2017	\$ 30,000
<b>TOTAL PROJECT COST</b>					<b>\$ 256,856</b>

Table 3. Project Funding

Tasks	Timeline	Estimated Cost	WRD Request	Match	Match Source (Secured or Pending)
<b>Planning Step 1: Build a Collaborative &amp; Integrated Process</b>	May 2016	\$ 38,000	\$ 28,000	\$ 10,000	Laird Norton Family Foundation 2015-2016 (S)
<b>Planning Step 2: Characterize Water Resources, Water Quality, &amp; Ecological Issues</b>	May - July 2016	\$ 30,000	\$ 25,000	\$ 5,000	Laird Norton Family Foundation 2015-2016 (S)
<b>Planning Step 3: Quantify Existing and Future Needs/Demands</b>	June-September 2016	\$ 73,000	\$ 62,000	\$ 5,000	Laird Norton Family Foundation 2015-2016 (S)
				\$ 4,000	Oregon Watershed Enhancement Board TA (P)
				\$ 2,000	Trout Unlimited (S)
<b>Planning Step 4: Develop Integrated Solutions for Meeting Long-Term Water Needs</b>	December 2016-April 2017	\$ 85,856	\$ 40,000	\$ 10,000	Jackson Soil and Water Conservation District (S)
				\$ 6,000	National Fish and Wildlife Foundation (S)
				\$ 12,356	Oregon Watershed Enhancement Board TA (P)
				\$ 9,500	Trout Unlimited (S)
				\$ 8,000	Inkind to Flow Assessment (S)
<b>Planning Step 5: Plan Adoption &amp; Implementation</b>	September-December 2017	\$ 30,000	\$ 20,000	\$ 10,000	Bonneville Environmental Foundation (S)
<b>Total</b>		\$ 256,856	\$ 175,000	\$ 81,856	

## **ATTACHMENT A**

### **RBP Member Organizations**

Applegate Partnership and Watershed Council  
Cow Creek Band of the Umpqua Tribe of Indians  
Illinois Valley Watershed Council  
Jackson Soil and Water Conservation District  
Lomakatsi  
Lower Rogue Watershed Council  
Rogue Riverkeeper  
Rogue River Watershed Council  
Rogue Valley Council of Governments  
Seven Basins Watershed Council  
Southern Oregon Forest Restoration Collaborative  
Southern Oregon Land Conservancy  
The Freshwater Trust  
Trout Unlimited  
WaterWatch of Oregon

### **RBP Active Participants**

Bonneville Environmental Foundation  
Bureau of Land Management  
Illinois Valley Soil and Water Conservation District  
Klamath Basin Rangeland Trust  
Klamath Bird Observatory  
Katalyst, Inc.  
Lower Rogue Soil and Water Conservation District  
Medford Water Commission  
Middle Rogue Steelheaders  
Patton Environmental  
Sustainable Northwest  
The Selberg Institute  
U.S. Fish and Wildlife Service  
Williams Creek Watershed Council

## **Attachment B**

### **Summary of Outreach Strategy:**

Even though the level of integration, partnership, and engagement is already high, the partners will focus their communication and outreach on recruiting all interested agencies and other entities along with the local landowners and communities of interest in the priority areas. RBP completed a study of each partner organization's skill sets and capacities, and mapped these assets in order to accomplish the work identified in the Action Plan, including suggested lead and supporting entities for each management action (shown in Tables 8-11 of the Action Plan). This information will be used to define who should outreach to which stakeholders as part of our social network mapping, before we implement the outreach efforts. To this end, the basin-wide priority barrier removal feasibility analysis and flow restoration technical assistance projects will be leveraged to identify core landowners and community leaders and their interests that may have already been contacted. There will also be increased engagement with WISE in the Bear and Little Butte priority watersheds to ensure full coordination of water delivery with water need and use, and to help identify any stakeholder/landowners already engaged in water management discussions.

RBP will conduct communications and outreach trainings with partner organizations and social maps will be produced and shared to determine which organization(s) will lead entry into each priority area. Having adequate "street credibility" within the community of interest will be critical to having successful turnout and discussions. Some partners will conduct individual outreach to key stakeholders to garner support and draw interest in the process. The public forums/workshops will be held in the watersheds of interest, either at a home, local grange, or common gathering location, depending on the size of the community. Meeting stakeholders in their place, where they can feel comfortable and express their views and take in information is critical to the process of communication and trust building.

There will be written materials, individual conversations, and two general meetings in each focal area during the planning process. RBP and partners may extend their outreach further in some communities, as circumstances dictate, to ensure the process is well received and supported. Further details regarding the timing and cost of the communications and outreach are available in the draft work plan (Table 2).

## Attachment C

### Literature Citations and Reference Documents List

#### Literature Citations

Beechie, T., H. Imaki, J. Greene, A. Wade, H. Wu, G. Pess, P. Roni, J. Kimball J. Stanford, P. Kiffney, and N. Mantua. Restoring Salmon Habitat for a Changing Climate. River Research and Applications. 2012.

Beechie, T., G. Pess, P. Roni, and G. Giannico. Setting River Restoration Priorities: A review of approaches and a general protocol for identifying and prioritizing actions. North American Journal of Fisheries Management 28:891-905. 2008.

DeSante, D.F. and T.L. George. Population trends in the landbirds of western North America. Pages 173-190 in J.R. Jehl, Jr., and N.K. Johnson (eds.). A century of avifaunal change in western North America. Studies in Avian Biology No. 15. The Cooper Ornithological Society, Lawrence, KS. 1994.

Hobbs, R.j., E. Higgs, C.M. Hall, P. Bridgewater, F.S. Chapin III, E. Ellis, J.J. Ewel, L.M. Hallett, J. Harris, K.B. Hulvey, S.T. Jackson, P.L. Kennedy, C. Kueffer, L. Lach, T.C. Lantz, A.E. Lugo, J. Mascaro, S.D. Murphy, C.R. Nelson, M. P. Perring, D.M. Richardson, T.R. Seastedt, R. J. Standish, B.M Starzomski, K.N. Suding, P.M. Tognetti, L. Yakob, L. Yung. Managing the whole landscape: historical, hybrid and novel ecosystems. Frontiers in Ecology Environment 2014: 12(10): 557-564 doi:10.1890/130300. The Ecological Society of America, publisher.

Isaak D.J., M.K. Young, D.E. Nagek, D.L. Horan, and M.C. Groce. The cold-water climate shield: delineating refugia for preserving salmonid fishes through the 21<sup>st</sup> century. Global Change Biology. 2015. doi:10.1111/gcb.12879

Morse, N.B., P.A. Pellissier, E.N. Cianciola, R.L. Brereton, M.M. Sullivan, N.K. Shonka, T.B. Wheeler, W.H. McDowell. Novel ecosystems in the Anthropocene: a revision of the novel ecosystem concept for pragmatic applications. Ecology and Society 19(2):12 <http://dx.doi.org/10.5751/ES-06192-190212>.

Roni, P., T.J. Beechie, R.E. Bilby, F.E. Leonetti, M.M. Pollack, and G.R. Pess. A Review of Stream Restoration Techniques and a Hierarchical Strategy for Prioritizing Restoration in Pacific Northwest Watersheds. North American Journal of Fisheries Management 22: 1-20. 2002.

Sauer, J. R., J. E. Hines, and J. Fallon. 2001. The North American Breeding Bird Survey, Results and Analysis 1966 - 2000. Version 2001.2 [USGS Patuxent Wildlife Research Center](http://www.mbr-pwrc.usgs.gov/bbs/bbs/html), Laurel, MD. [www.mbr-pwrc.usgs.gov/bbs/bbs/html](http://www.mbr-pwrc.usgs.gov/bbs/bbs/html).

Seavy, N.E., T. Gardali, G.H. Golet, F.T. Griggs, C.A. Howell, R. Kelsey, S.L. Small, J.H. Viers, and J.F. Weigand. Why Climate Change Makes Riparian Restoration More Important than Ever: Recommendations for Practice and Research. Ecological Restoration 27:3. September 2009.

Stauffer, D.F. and L.B. Best. 1980. Habitat selection by birds of riparian communities: evaluating effects of habitat alterations. Journal of Wildlife Management 44:1-15.

#### Reference Reports and Data Sets

Altman, B. 2000. Conservation strategy for landbirds in lowlands and valleys of western Oregon and Washington.

Version 1.0. Oregon-Washington Partners in Flight.

[http://www.orwapif.org/sites/default/files/western\\_lowlands.pdf](http://www.orwapif.org/sites/default/files/western_lowlands.pdf).

Bonneville Environmental Foundation. Moving Towards Comprehensive Restoration: Key Learnings from the 2012 Model Watershed Partner Gathering. 2012.

Bonneville Environmental Foundation. Personal communications from monitoring coordinators in BEF's Model Watershed Program. 2015.

Bradbury, B., W. Nehlsen, T.E. Nickelson, K.M.S. Moore, R.M. Hughes, D. Heller, J. Nicholas, D.L. Bottom, W.E. Weaver, R.L. Beschta. Handbook for Prioritizing Watershed Protection and Restoration to Aid Recovery of Native Salmon. November 1995.

Buttrick, S., K. Popper, M. Schindel, B. McRae, B. Unnasch, A. Jones, and J. Platt. 2015. Conserving Nature's Stage: Identifying Resilient Terrestrial Landscapes in the Pacific Northwest. The Nature Conservancy, Portland Oregon. 104 pp. Available online at: <http://nature.ly/resilience> NW March 3, 2015

Carroll, C. 2008. Pacific Northwest (USA) Predicted Spotted Owl Habitat Occupancy for Current Climate. Publication 2008. Downloaded from Databasin in 2015, with posting date of April 2010.

Conservation Biology Institute. January 2003. Assessment of Aquatic Habitat Monitoring Data in the Rogue River Basin and Southern Oregon Coastal Streams.

Cowardin, L.M., V. Carter V., F.C. Golet, E.T. LaRoe. 1979. Classification of Wetlands and Deepwater Habitats of the United States. U.S. Fish and Wildlife Services Report No. FWS/OBS/-79/31. Washington D.C.

Defenders of Wildlife. 2014. Assessing Ecological Integrity Across Jurisdictions and Scales. <http://www.defenders.org/publication/eco-integrity-measures-across-jurisdictions-and-scales>

ECONorthwest. January 2009. Regional Economic Impacts of Recreation on the Wild and Scenic Rogue River.

ECONorthwest. January 2009. The Economic Value of Rogue River Salmon.

Hamlin, Samantha- Portland State University. 2014. Literature Review and Synthesis of Ecological, Social, and Economic Studies Relevant to the Rogue Basin.

HDR. December 2009. FINAL Preliminary Feasibility Study –Bear Creek and Little Butte Creek Watersheds. WISE Project.

Hibbard, M. and S. Lurie. 2006. Some community socio-economic benefits of watershed councils: A case study from Oregon. *Journal of Environmental Planning and Management* 49:891-908 (2006).

Hicks, D. 2005. Lower Rogue Watershed Assessment.

Inland Rogue Basin Local Advisory Committee, Oregon Department of Agriculture. May 2010. Inland Rogue Agricultural Water Quality Management Plan.

Isaak, D. NorWeST Project Dataset. August 2014. <http://www.fs.fed.us/rm/boise/AWAE/projects/NorWeST.html>

Johnson, C.D. Ziebell, D.R. Patton, P.F. Folliott, and R.H. Hamre (tech. cords.) [Date?](#) Riparian ecosystems and their management: reconciling conflicting uses. USDA Forest Service General Technical Report RM-120, Fort Collins, CO.

Klamath – Siskiyou Wildlands Center. August 2010. Restoring the Rogue, A Plan to Prioritize Restoration on Federal Lands in the Rogue River Basin.

Kagan, J. and others. 2014. Data analysis of current habitat conditions and species richness. [Get full citation](#)

Knopf, F.L. 1985. Significance of riparian vegetation to breeding birds across an altitudinal line. Pages 105-111 *in R.R.*

Krosby, M., Norheim, R. Theobald, D. and McRae, B. 2014. Riparian Climate Corridors: Identifying Priority Areas for Conservation in a Changing Climate. White Paper dated July 11, 2014 and Mapping Northwest Riparian Areas: Measuring Current Condition and Prioritizing for Climate Adaptation. WGA/ LLC Riparian Mapping Project Map Service on Databasin last modified April 13, 2015.

Messier, M.S, J.P.A Shatford, and D.E.Hibbs. Forest Exclusion Effects on Riparian Forest Dynamics in Southwest Oregon. Unpublished Paper. Date post-2009.

National Marine Fisheries Service. 2014. Recovery Plan for Southern Oregon/Northern California Coast Coho Salmon (*Oncorhynchus kisutch*). National Marine Fisheries Service. Arcata, CA.

National Marine Fisheries Service. 2006. Salmon Habitat.

Nielsen-Pincus, M. and C. Moseley. 2010. Economic and Employment Impacts of Forest and Watershed Restoration in Oregon. Institute for a Sustainable Environment, University of Oregon.

Oregon Department of Environmental Quality. December 2008. Rogue Basin TMDL.

Oregon Department of Environmental Quality. September 2011. Water Quality Status and Action Plan: Rogue Basin.

Oregon Department of Environmental Quality. 2012. Rogue Basin Water Quality Status and Action Plan Summary.

Oregon Department of Environmental Quality. 2013. Statewide Groundwater Quality Monitoring Program, 2011 Rogue Basin Groundwater Investigation.

Oregon Department of Fish and Wildlife. 2006. Oregon Conservation Strategy. Oregon Department of Fish and Wildlife, Salem, OR.

Oregon Department of Fish and Wildlife. 2013. Conservation Plan for Fall Chinook in the Rogue Management Unit.

Oregon Department of Fish and Wildlife. 2013. Oregon Fish Habitat Distribution Map Service.

Oregon Department of Fish and Wildlife 2007. Rogue Spring Chinook Salmon Conservation Plan.

Oregon Department of Fish and Wildlife. 2013. Statewide Priority Fish Passage Barrier Removal List and GIS dataset.

Oregon Department of Fish and Wildlife. 2014. Aquatic Inventories Project Map Service. Data extracted for percent pools, percent side channels and large woody debris.

Oregon Department of Fish and Wildlife. 2014. Crucial Habitat Map Service via Compass. Data extracted for Crucial Aquatic, Terrestrial, and combined scores

Oregon Health Authority. 2015. Compilation of Groundwater Quality testing data for Nitrate.

Oregon Watershed Enhancement Board (OWEB). 2014. Oregon Grants Management System, pull of grant data from 2000-2013.

Oregon Water Resources Department, 2007. Water in Oregon: Educational Handout – Oregon.gov.

Oregon Water Resources Department. 2011. Instream Water Rights GIS data file. Obtained through Rogue Riverkeeper.

Oregon Water Resources Department. 2013. Water Rights Data Table. Obtained online 5.9.2013

Oregon Water Resources Department. 1998. Stream Flow Restoration Priorities dataset

Popper, K., G. Wilhere, M. Schindel, D. VanderSchaaf, P. Skidmore, G. Stroud, J. Crandall, J. Kagan, R. Crawford, G. Kittel, J. Azerrad, L. Bach. 2007. The East Cascades – Modoc Plateau and West Cascades Ecoregional Assessments. Prepared by The Nature Conservancy and the Washington Department of Fish and Wildlife with support from the Oregon Natural Heritage Information Center, Washington Heritage Program, and Nature serve. The Nature Conservancy, Portland, Oregon.

Pratt, D.J., 2004. Gravel Removal Operations and Fish Habitat Planning, Curry County, Oregon. Gold Beach, Oregon. Curry County Department of Public Services, 114 p.

Pyramid Communications. 2012. 2012-2015 Communication and Outreach Plan for the Entiat and Methow Watersheds for Bonneville Environmental Foundation.

Rich, T.D., C.J. Beardmore, H. Berlanga, P.J. Blancher, M.S.W. Bradstreet, G.S. Butcher, D.W. Demarest, E.H. Dunn, W.C. Hunter, E.E. Inigo-Elias, J.A. Kennedy, A.M. Martell, A.O. Panjabi, D.N. Pashley, K.V. Rosenberg, C.M. Rustay, J.S. Wendt, T.C. Will. 2004. Partners in Flight North American Landbird Conservation Plan. Cornell Lab of Ornithology. Ithaca, NY.

Rogue Basin Coordinating Council (RBCC). March 2006. Watershed Health Factors Assessment.

Rogue Basin Fish Access Team (RBFAT). 2000. (Unpublished) RBFAT Strategic Plan and Fish Barriers Assessment list.

Rogue River-Siskiyou National Forest. 2012. Watershed Condition Framework – Watershed Restoration Action Plan Elk Creek Watershed.

Roni, Philip, R. Scranton, J O’Neal. January 8, 2013. Action Effectiveness Monitoring of Tributary Habitat Improvement: A programmatic approach for the Columbian Basin Fish and Wildlife Program (BPA). Final Draft Report.

Southern Oregon Forest Restoration Collaborative. December 2013. The Rogue Basin Action Plan for Resilient Watersheds and Forests in a Changing Climate.

Theobald, D., Mueller, D & Norman, J. 2013. Detailed Datasets on riparian and valley-bottom attributes and condition for the Great Northern and North Pacific LLC (WRR 17) White Paper dated September 2, 2013. Dataset downloaded from Databasin March 2015 as WGA/LCC, PNW Riparian Areas, Priorities for Climate Change

Timchak, K.L. and C.R. Myers. 2015 (Unpublished). Rogue River Estuary Strategic Plan. Lower Rogue Watershed Council.

University of Oregon - Doppelt, B. R. Hamilton, C. Deacon, M. Koopman. November, 2008. Preparing for Climate Change in the Rogue River Basin of Southwest Oregon.

United States Department of Agriculture Forest Service. March 2015. Conservation and Management of Monarch Butterflies: A Strategic Framework.

United States Department of Agriculture Forest Service. 2015. Priority watersheds in the Rogue downloaded from Databasin.org

United States Geological Survey. 2011. National Land Cover Dataset.

United States Geological Survey. 2014. National Hydrography Dataset.

Vander Schaaf, D., M. Schindel, D. Borgias, C. Mayer, D. Tolman, G. Kittel, J. Kagan, T. Keeler-Wolf, L. Serpa, J. Hak, K. Popper. 2004 . Klamath Mountains Ecoregional Conservation Assessment. The Nature Conservancy. Portland, Oregon.

Veloz, S., L. Salas, B. Altman, J. D. Alexander, D. Jongsomjit, N. Elliot, and G. Ballard. 2013. Current and Future Distribution and Abundance of North Pacific Birds in the Context of Climate Change: Final Report to the North Pacific Landscape Conservation Cooperative (Agreement Number 13170BG101). KBO-2013-0017. Petaluma, CA: PRBO Conservation Science. <http://data.prbo.org/apps/nplcc/aknw.php>

Veloz, S., L. Salas, B. Altman, J. D. Alexander, D. Jongsomjit, N. Elliot, and G. Ballard. (In Press). Density data improves the effectiveness of systematic conservation planning. *Conservation Biology*.

Wenger, Seth J.; Luce, Charles H.; Hamlet, Alan F.; Isaak, Daniel J.; Neville, Helen M. 2010. Macroscale hydrologic modeling of ecologically relevant flow metrics. *Water Resources Research*. 46: W09513. doi:10.1029/2009WR008839. Stream Flow Metric Database posted on Databasin.

Wild Salmon Center and The Nature Conservancy. 2012. Rogue Conservation Prioritizations in Western Oregon. GIS dataset obtained directly from TNC Oregon.

#### **Presentations, Articles, Personal Communications, Internet Fact Checks**

Amerson, Byron. Montana State University. *Meacham Creek Hyporheic Restoration Monitoring Project*. Presented at the 2015 Salmon Recovery Conference, Vancouver, WA.

Mail Tribune. May 18, 2015. Runoff Muddies Up Bear Creek.

NOAA, 2015. Information accessed June 10,2015 about Green Sturgeon at <http://www.nmfs.noaa.gov/pr/species/fish/greesturgeon.htm>

Oregon DEQ, 2015. Personal communication with S. Stewart regarding groundwater conditions / studies in the Rogue Basin.

Rogue Riverkeeper, 2015. Information accessed June 14 about statistics on land management.  
<http://rogueriverkeeper.org/who-we-are/watershed>

Smith, K.L. 2013. Unpublished interviews with local watershed councils, SWCD's, and nonprofits to assess where they worked, what they implemented, and what their local planning efforts identified as priority areas.

US Census Bureau. 2015. Information accessed June 10, 2015 on population and income for Jackson, Josephine, and Curry Counties, Oregon, representing 2014 data estimates. <http://quickfacts.census.gov/>

US Fish and Wildlife Service. 2015 Information accessed June 10, 2015 about Monarch Butterflies at <http://www.fws.gov/savethemonarch/>

US Geological Survey. 2015. Information accessed June 12, 2015 about Annual Discharge Statistics [http://waterdata.usgs.gov/nwis/annual?referred\\_module=sw&search\\_site\\_no=14372300&format=sites\\_selection\\_links](http://waterdata.usgs.gov/nwis/annual?referred_module=sw&search_site_no=14372300&format=sites_selection_links)

### **Other Available Resources**

The following were not cited in this Action Plan but are available via the Dropbox Rogue Basin shared folder:

- Hamlin, Samantha. 2015. Rogue Basin Literature Review June 19, 2015
- Watershed Council Action Plans, various dates 1995-2005
- Federal and Local Forest / land management plans, various dates
- Studies and local assessments in Appendix G of Rogue Basin Coordinating Council Limiting factors report 1960's- 2005

### **Plans Underway**

- Southern Oregon Forest Restoration Collaborative. 2015. Optimized 5 Year Plan / Priority Forestry Management Areas in the face of Climate Change. First iteration due July 2015.



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December 1, 2015

To Whom it May Concern:

Jackson Soil and Water Conservation District would like to offer our support for the Rogue Basin Partnership (RBP) Place-Based Integrated Water Resources Planning Grant proposal. We believe that this project would build on recent planning efforts in the Rogue Basin, which have resulted in the development of a Rogue Restoration Action Plan, and the creation of RBP to serve as a backbone entity for restoration work in the Basin.

The presence of RBP as a central coordinating entity, a facilitator of information sharing, public communications lead, and fundraising engine, will allow RBP partner organizations to focus on landowner outreach and implementation. The RBP Place-Based Planning proposal is a perfect example of this new structure in the Rogue Basin. Through this proposed planning effort, RBP will work collaboratively with its partners to develop a suite of solutions to address long-term water needs in the six priority watersheds of the Rogue Restoration Action Plan where flow is a limiting factor. RBP partners would host community forums in each of the six priority areas for stakeholders to share their information, concerns, and offer potential solutions to water resource issues. The outcome of this place-based planning effort would be a list of specific implementation strategies in the priority watersheds. RBP would then rely on the implementation framework described in the Action Plan to get projects on the ground.

Jackson Soil and Water Conservation District is excited to participate with RBP in Place-Based Planning. We feel that this project will result in the development of integrated solutions for meeting long-term water needs in the Rogue Basin.

Sincerely,

Randy White, District Manager

Jackson SWCD prohibits discrimination in its programs on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or familial status. (Not all prohibited bases apply to all programs.) Jackson SWCD is an equal opportunity employer.



December 2, 2015

Oregon Water Resources Department

725 Summer Street NE, Suite A

Salem, OR 97301

Place-Based Planning Grant Reviewers;

Bonneville Environmental Foundation is pleased to support the efforts of the Rogue Basin Partnership and its partner members in delivering an integrated water resources plan for the Rogue Basin. BEF has worked closely with these organizations over the last three years as they have developed the Rogue Restoration Action Plan and realigned their organizations to promote collective success. The commitment and enthusiasm of these partners is unparalleled, despite the challenging funding realities in their region. They have a solid foundation of relationships and trust that will enable them to accelerate and scale up their activities over time.

The place-based funding requested from OWRD would be built upon the Action Plan, and complete the necessary refinement of water management actions in priority subwatersheds where flow (surface and/or groundwater) is a limiting factor. Consistent, thoughtful community outreach and engagement through this process will help set the table for longer term conservation and restoration activities in these watersheds and along the stream corridors. As you will see throughout the Action Plan document, the partners have considered social, economic and ecological factors in their analysis, as well as the projected impacts of climate change.

BEF is committed to continuing our support of partners in the Rogue Basin and are matching their efforts with \$10,000 (180 hours) of in-kind service to help guide trainings, facilitation, communications/outreach, and plan development. We look forward to engaging with our partners and OWRD in the next phase of foundation building in the Rogue. Thank you for consideration of their proposal.

Sincerely,

A handwritten signature in blue ink that reads 'Kendra Smith'. The signature is written in a cursive style and is positioned above a thin horizontal line.

Kendra Smith, Director Oregon Model Watersheds

bonneville environmental foundation

240 southwest 1st ave.  
portland, oregon 97204

503.248.1905  
www.b-e-f.org



*"To protect, enhance and restore long-term natural resources and economic stability of the Lower Rogue Watershed by providing a coordinated, basin-wide approach to natural resource planning and management."*

Lower Rogue Watershed Council  
PO BOX 666, Gold Beach, OR 97444  
Phone: 541.247.2755 Fax: 541.247.0408  
kelly.sparks@currywatersheds.org

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December 3, 2015

To OWRD Review Team:

The Lower Rogue Watershed Council supports the efforts of the Rogue Basin Partnership to secure funding for the Place-Based Integrated Water Resources Planning Grant from the Oregon Water Resources Department.

The Lower Rogue Watershed Council operates in the town of Gold Beach, which encompasses the Rogue River estuary. Being that we are at the "end of the line," water resource management is very important to our community and our fisheries. We have been consistently monitoring water quality over the last 20 years, but it is now evident with each passing year that flow is also becoming an issue. The Rogue Basin Partnership's efforts would greatly help with our outreach strategy as we approach landowners about water issues in the lower Rogue, as well as paving the way for creating water resource strategies within our watershed.

Water resources are critical to the health of the Rogue Basin, ecologically as well as socially and economically. The levels of surface to groundwater exchange are poorly understood, but both are critical to water supply, instream flows, and wetlands in the Rogue. Please consider funding the Rogue Basin Partnership to develop a consistent process of outreach and engagement in each priority watershed where water resources management is a limiting factor.

Sincerely,

A handwritten signature in green ink that reads "Kelly Timchak".

Kelly Timchak  
Lower Rogue Watershed Coordinator  
[www.currywatersheds.org](http://www.currywatersheds.org)

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**Chrysten Lambert**

*Director Oregon Water Project*

December 1, 2015

Trout Unlimited strongly supports the Rogue Basin Partnership (RBP) Place-Based Integrated Water Resources Planning Grant proposal. The water resources of the Rogue Basin are over-appropriated to the point that there is clear jeopardy to the future of the economy and the risk of extirpation for critical species is great. However, the people of the basin are beginning to engage in collaborative and positive efforts to address these issues and have demonstrated the desire to make the needed changes to policy, infrastructure, and water use necessary to avoid catastrophic problems. If a well-coordinated planning effort is started now, it is likely that the necessary improvements can be achieved before climate change impacts cause substantial harm to the communities and ecologic resources, and RBP is the right entity to convene and lead such an effort.

RBP was created to serve as a backbone entity for restoration work in the Basin, and has previously facilitated a highly collaborative and effective planning process to develop the Rogue Restoration Action Plan. The RBP Place Based Planning proposal will build on this work to develop a clear and actionable strategy to address water security and sustainability for the basin. Through this proposed planning effort, RBP will work collaboratively with its partners to develop a suite of solutions to address long-term water needs in the six priority watersheds of the Rogue Restoration Action Plan where flow is a limiting factor.

This effort will leverage some of the current planning efforts that partner entities are currently undertaking, including Trout Unlimited's feasibility assessment for establishing an instream flow restoration program in the Rogue Basin. This assessment will provide important information about the feasibility of completing instream flow restoration projects in the portions of the basin where limited flow has been identified as a critical limiting factor. Since this assessment will be an important component of Steps 3 and 4 in the planning process, we are prepared to provide the relevant portions of that project as match funding to this effort. This match will total \$41,856.

Trout Unlimited is excited to participate with RBP in Place-Based Planning. We feel that this project will result in the development of integrated solutions for meeting long-term water needs in the Rogue Basin.

Sincerely,

Chrysten Lambert

Director Oregon Water Project

*Trout Unlimited: America's Leading Coldwater Fisheries Conservation Organization*

(541) 973-4431 • [clambert@tu.org](mailto:clambert@tu.org) • [www.tu.org](http://www.tu.org)  
SW\_15\_131419\_Rogue\_OWRDPBPLOIAttach\_120715



The Seven Basins Watershed Council would like to offer our support for the Rogue Basin Partnership (RBP) Place-Based Integrated Water Resources Planning Grant proposal. We believe that this project would build on recent planning efforts in the Rogue Basin, which have resulted in the development of a Rogue Restoration Action Plan, and the creation of RBP to serve as a backbone entity for restoration work in the Basin.

The presence of RBP as a central coordinating entity, a facilitator of information sharing, public communications lead, and fundraising engine, will allow RBP partner organizations to focus on landowner outreach and implementation. The RBP Place-Based Planning proposal is a perfect example of this new structure in the Rogue Basin. Through this proposed planning effort, RBP will convene a process to work collaboratively with its partners and other interested entities to develop a suite of solutions to address long-term water needs in the Rogue Basin with a special focus on the six priority watersheds of the Rogue Restoration Action Plan where flow is a limiting factor. RBP partners would host community forums in the Rogue Basin, including each of the six priority areas, for stakeholders to share their information, concerns, and offer potential solutions to water resource issues. The outcome of this place-based planning effort would be a list of implementation strategies for the Rogue Basin which will include specific strategies for the priority watersheds. RBP would then rely on the implementation framework described in the Action Plan to get projects on the ground.

The SBWC is excited to participate with RBP in Place-Based Planning. We feel that this project will result in the development of integrated solutions for meeting long-term water needs in the Rogue Basin.

Dan Welty  
Chairman

Seven Basins Watershed Council - P.O. Box 909, Gold Hill, OR, 97525 - 541-261-7796



200 South Ivy Street - Room 177 Medford, Oregon 97501  
Customer Service (541) 774-2430 • Administration (541) 774-2440  
Fax (541) 774-2555 • wtrcom@ci.medford.or.us  
www.medfordwater.org

December 4, 2015

Oregon Water Resources Department  
725 Summer Street NE, Suite A  
Salem, Oregon 97301

RE: Placed-Based Integrated Water Resources Planning Grant LOI

Grant Review Team,

The Medford Water Commission is supportive of the Rogue Basin Partnership's Placed-Based Planning Letter of Interest (LOI). There is a need for someone, whether a specific person or an entity, to take a leadership role in development of a long-term water resource management plan (Integrated Water Resource Strategy) for the Rogue Basin, using a collaborative approach.

The Commission has been and will continue to be involved in regional water resource management issues. The Commission is currently involved in the WISE Project, which is a collaborative water resource management project/plan for Bear Creek and Little Butte Creek Watersheds that involves 34 entities. The Rogue Basin Partnership's proposal (LOI) is to conduct Placed-Based Planning in four other priority watersheds in addition to Bear and Little Butte Creek Watersheds.

If you have any questions, please feel free to call me at 541-774-2439

Respectfully,

A handwritten signature in blue ink that reads "Robert C. Jones". The signature is written in a cursive, flowing style.

Robert C. Jones, RG, CEG, CWRE  
Geologist

*Committed to  
Excellence in Water Quality • Professionalism • Customer Satisfaction • System Reliability*



# APPLEGATE PARTNERSHIP & WATERSHED COUNCIL

P.O. Box 899 | Jacksonville, OR 97530

(541) 899-9982 | [coordinator@apwc.info](mailto:coordinator@apwc.info)

[www.applegatepartnershipwpc.org](http://www.applegatepartnershipwpc.org)

[www.apwc.info](http://www.apwc.info)

a 501 (c)(3) Nonprofit organization

December 5, 2015

Oregon Water Resources Department  
725 Summer Street, NE, Suite A  
Salem, OR 97301-1290

Dear Place Based Planning Grant Program,

The Applegate Partnership and Watershed Council (APWC) would like to offer our support for the Rogue Basin Partnership (RBP) Place-Based Integrated Water Resources Planning Grant proposal. We believe that this project would build on recent planning efforts in the Rogue Basin and the Applegate Watershed, which have helped produce a Rogue Restoration Action Plan and an Applegate Strategic Action Plan update. We are currently working closely with the RBP and strongly feels that the RBP is strategically positioned, through recent actions, to serve as a backbone entity and collaborator for restoration work in the Basin.

The presence of RBP as a central coordinating entity, a facilitator of information sharing, public communications lead, and fundraising engine, will allow RBP partner organizations to focus on landowner outreach and implementation. The RBP Place-Based Planning proposal is a perfect example of this new structure in the Rogue Basin. Through this proposed planning effort, RBP will work collaboratively with its partners to develop a suite of solutions to address long-term water needs in the six priority watersheds of the Rogue Restoration Action Plan where flow is a limiting factor. RBP partners would host community forums in each of the six priority areas for stakeholders to share their information, concerns, and offer potential solutions to water resource issues. The outcome of this place-based planning effort could be a list of specific implementation strategies in the priority watersheds. RBP would then rely on the implementation framework described in the Action Plan to get projects on the ground.

The APWC is excited to participate with RBP in Place-Based Planning. We feel that this project will result in the development of integrated solutions for meeting long-term water needs in the Rogue Basin.

Sincerely,



Jack Shipley, Chairman  
Applegate Partnership & Watershed Council

*APWC mission is "to promote ecosystem health across the Applegate watershed through stewardship, education and restoration carried out in partnership with landowners, agencies and other interested parties while contributing to local economic and community well-being."*