



Creeks and Communities:

*A Continuing Strategy for Accelerating Cooperative Riparian
Restoration and Management*

Creeks and Communities Network

Annual Accomplishments FY 2015

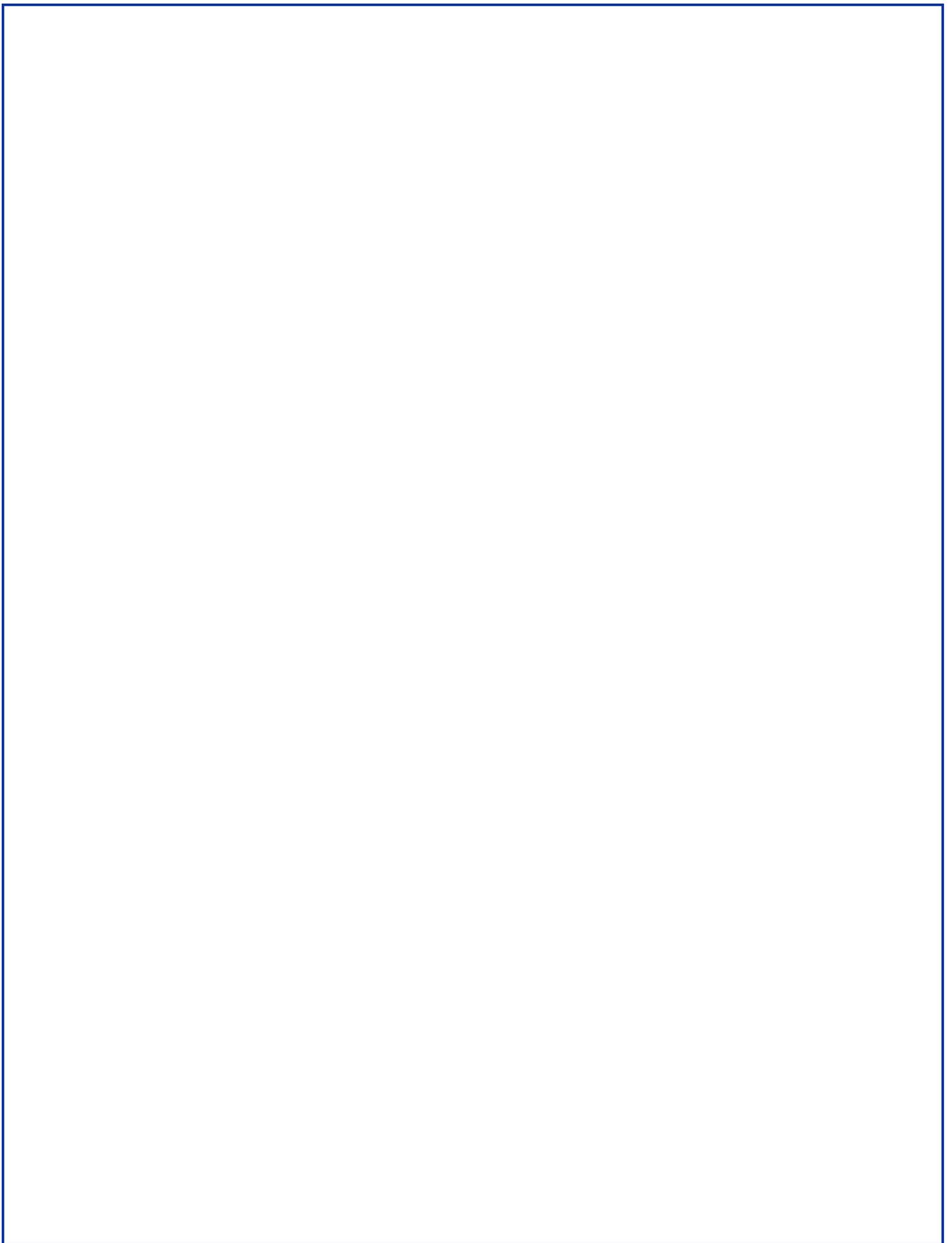


by

THE NATIONAL RIPARIAN SERVICE TEAM

DECEMBER 2015

USDI, Bureau of Land Management • USDA, Forest Service *In Partnership With* USDA, Natural Resources Conservation Service



Creeks and Communities Network

The interagency Creeks and Communities Strategy is a joint effort of the Bureau of Land Management (BLM), USDA Forest Service (FS), in cooperation with Natural Resources Conservation Service (NRCS). The strategy is implemented by the Creeks and Communities Network (CCN) which includes the National Riparian Service Team (NRST), State Riparian Teams and Agency Coordinators, with personnel from federal and state agencies, universities, industry and conservation interests, and the private sector.

Purpose

To advance cooperative riparian stewardship as a diverse and dedicated network representing various agencies, organizations, disciplines, and interests.

Vision

Sustainable riparian resources as a foundation for resilient ecosystems and communities.

Mission

To empower landowners, managers, specialists, practitioners, policymakers, and other interested and affected individuals and organizations to work together to achieve sustainable riparian resources by providing guidance, information, tools, training, coaching, and problem-solving assistance.

Operating Principles and Practices

To operate as effective catalysts for riparian stewardship, the CCN will:

- Promote a sequenced, integrated, and adaptive approach to riparian management by linking physical function and the sustainable production of values.
- Work across ownerships and jurisdictions and recognize ecological and social factors while engaging affected interests.
- Enhance awareness, knowledge, skills, relationships, and trust to foster collective, on-the-ground action; Assist in developing and providing the state-of-the-art tools; clear and current direction; and training, coaching, and review necessary to ensure effective application and results.
- Serve as a communication link between field needs and policy development and implementation;
- Ensure CCN effectiveness through ongoing evaluation and adaptation.

National Riparian Service Team

- **Steve Smith**, Team Leader, Rangeland/Riparian Specialist, BLM
- **Carol Connolly**, Public Affairs Specialist, Budget & Contracting, BLM
- **Mark Gonzalez**, Ph.D., Ecologist/Soils Scientist, BLM
- **Laura Van Riper**, Ph.D., Social Scientist, BLM
- **Sandy Wyman**, Rangeland Management Specialist, BLM
- **Adjunct Team Members** with specialized skills in Ecology, Fisheries, Wildlife, Hydrology, Forestry, Rangelands, and Conflict Management

Agency Program Coordinators

- **Carol Spurrier, (acting) BLM, Washington, DC**

 - **BLM State Office Riparian Program Leads**
 - AK, **Matt Varner**
 - AZ, **Aaron Wilkerson**
 - CA, **Christina Lund**
 - CO, **Jay Thompson**
 - ID, **Bryce Bohn**
 - MT, **Alden Shallcross**
 - NM, **John Sherman**
 - NV, **Sarah Peterson**
 - OR/WA, **Al Doelker/Dale Stewart**
 - UT, **Justin Jimenez**
 - WY, **Dennis Saville**
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- **Allan Rowley, Barbara Schrader and Alix Cleveland, FS, Washington, DC**

 - **Forest Service Regional Office Riparian Program Managers**
 - Northern Region, **Mary Manning**
 - Rocky Mountain Region, **Vacant**
 - Southwest Region, **Judith Dyess/Roy Jemison**
 - Intermountain Region, **Terry Padilla**
 - Pacific Southwest Region, **Vacant**
 - Pacific Northwest Region, **Tom Hilken**
 - Southern Region, **Suzanne Krieger/Michael Crump**
 - Eastern Region, **Ted Geier**
 - Alaska Region, **John Lane/Barbara Schrader**

 - **Sid Brantly, NRCS, Washington, DC; Shaun McKinney, and Gene Fults, NRCS, West National Technology Support Center**

 - **NRCS State Riparian Coordinators**
 - AK, **Calvin Steele**
 - AZ, **Byron Lambeth/Stu Tuttle**
 - CA, **Steve Hill**
 - CO, **Eugene Backhaus**
 - ID, **Brendan Brazee**
 - KS, **Jon Ungerer**
 - MT, **Vacant**
 - ND, **Vacant**
 - NM, **John Tunberg**
 - NV, **Patti Novak-Echenique**
 - OR, **Bob Gillaspay**
 - SD, **Stanley Boltz/Jerry Jasmer**
 - TX, **Russ Castro**
 - UT, **Shane Green**
 - WA, **Tim Dring**
 - WY, **Brian Jensen**
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State and Provincial Team Coordinators

- Arizona **Vacant**
- British Columbia **Cori Barraclough & Patrick Lucey**, Aqua-Tex Scientific Consulting Ltd.
- California **Vacant**
- Colorado **Jay Thompson**, BLM Colorado State Office
- Idaho **Bryce Bohn**, BLM Idaho State Office
- Montana **Mike Philbin**, BLM Montana State Office
- New Mexico **John Sherman**, BLM New Mexico State Office
- Nevada **Sherm Swanson**, University of Nevada Cooperative Extension, Reno
- Oregon **Jim Eisner**, BLM Prineville Field Office
- Texas **Russell Castro**, NRCS Texas State Office
- Utah **Justin Jimenez**, BLM Utah State Office, and **Mark Petersen**, Consultant
- Washington State **Tip Hudson**, Washington State University Extension, Ellensburg, WA
- Wyoming **Dennis Saville**, BLM Wyoming State Office



Provide Training and Coaching and Facilitate Information Sharing – National Riparian Service Team

Training Sessions – National Riparian Service Team

High quality training is a foundation for successful riparian restoration and management. Training provided by the NRST and the Creeks and Communities Network has increased understanding of how riparian-wetland areas function, how to apply innovative and effective management strategies, how to monitor stream channels and streamside vegetation, and how to effectively engage people and manage conflict. This knowledge is fundamental for managing for resilient streams and wetlands and protecting water resources. *Over 286 people attended NRST led training sessions in 2015.*

- **Proper Functioning Condition for Resource Professionals** (four-day sessions): Three training sessions were completed in 2015 with a total of 98 participants.
 - **Nevada** – Interagency participation, Nevada Riparian Team sponsor (Carson City)
 - **Montana** – BLM sponsor (Malta)
 - **Wyoming** – BLM sponsor (Rock Springs)
- **Multiple Indicator Monitoring of Stream Channels and Streamside Vegetation:** Three training sessions and one coaching assistance trip were completed in 2015 for a total of approximately 110 participants.
 - **Oregon**– Four-day course for FS and BLM sponsored by the Region 6 Forest Service Range Program and Starkey Experimental Forest and Range (LaGrande)
 - **Utah** – Four-day course for FS and BLM sponsored by the Manti-La Sal NF and the Utah Riparian Team (Ephraim)
 - **Arizona** – Two, four-day courses and further testing of MIM on southwest streams sponsored by the FS (Tonto NF and Sedona)
 - Technical support to BLM and Forest Service field units regarding data management
- **Grazing Management Processes and Strategies for Riparian-Wetland Areas:** Two sessions were held in 2015 for a total of 78 participants.
 - **Oregon** – Two, three-day courses sponsored by BLM and FS (Lakeview and Prineville), with the assistance of the Oregon Riparian Team.
- **Consensus Institute**
NRST led development and offerings of Consensus Institute Training in partnership with BLM CADR and the BLM National Training Center (NTC). The team worked with CADR, NTC and contractors to create this training program. NRST led a training for CADR coordinators as part of the Strategic Planning Process. NRST also led Consensus Institute Training at the request of the Stewardship Alliance of Northeast Elko County (SANE). SANE is a landowner-led collaborative that has also been working with the NRST and their associates to develop activities designed to build collaborative capacity within their group and across the state.



Information Sharing – National Riparian Service Team

- **CADR/NRST Klamath River Basin Videos**
CADR requested NRST assistance with efforts to develop a series of short training videos highlighting the impact of conflict transformation. CADR selected the Klamath Basin (one of NRST's long-term projects) as the focus for this effort. NRST assisted CADR in managing the logistics of this request, as well as participating in the videotaping itself – which occurred in March 2015. This video showcases the Klamath River Basin as a web-based, education and awareness-building tool. The final product will be completed in 2016, and will include 5-8 'human (video) portraits' and a short video focused on conflict and collaboration.
- **Society for Ecological Restoration Symposium (SER)**
NRST organized and led a ½ day symposium on the NRST-Klamath River Basin Project at the annual SER meeting. NRST received the 'President's Award for a Collaborative Project' as a result of the team's work in the Klamath River Basin.
- **Society for Range Management Annual Meeting**
In 2015, the NRST provided materials for BLM booth.

In addition to work listed above, the *NRST responded to numerous requests for information, advice, or assistance from a variety of sources, both national and international*. Inquiries included questions about the Creeks and Communities approach as well as riparian assessment, monitoring, restoration, and adaptive management. In addition, several referrals were made to help people locate assistance and information.



Resolve Issues through Tailored Assistance and Collaboration – National Riparian Service Team

The Creeks and Communities Strategy represents an innovative and adaptive approach aimed at building capacity of land managers and stakeholders to address complex and often contentious issues inherent in managing riparian resources. Site specific or “placed-based assistance” can include multiple phases involving training and problem solving efforts designed to address both the technical and social dimensions of riparian related issues.

Assistance Projects

- **BLM Nevada Drought After-Action Review**

In July 2014, the BLM Nevada State Office initiated a study with the BLM Washington Office and the NRST to examine current drought policies, environmental assessment, and implementation strategies used in field offices across northern and central Nevada. The NRST provided input on agenda and drought review talking points, participated in drought training, and joined 2 teams that visited 9 field offices in 5 BLM districts (April, 2015). Visits included a review of policies and practices, a field inspection of resource conditions and drought monitoring/assessment protocols with field office staffs, and collected feedback from field staff regarding what worked well, challenges, and field office needs to conduct appropriate drought monitoring. The NRST helped write the Drought After-Action Review Report for the Nevada State Office.



- **BLM, Nevada State Office and Battle Mountain District**

In December 2014, the NRST received a request for service from the BLM Nevada State Office (NVSO). The request was for NRST assistance with a Stakeholder Engagement for Healthy Lands Project. In January of 2015, a situation assessment was completed where the team met with over 180 people to discuss their perspectives, concerns, and potential opportunities for working together to develop a shared vision on issues concerning drought, sage grouse, livestock grazing, wild horse and burro management, invasive species, fire, and others. A report summarizing findings and recommendations was developed and distributed to all parties. The assessment team also provided briefings to the BLM State Leadership Team and other individuals and groups.

Following the situation assessment, the NV State Office, the Battle Mountain District Office, and the permittees requested NRST assistance with conflict resolution efforts on the Argenta allotment. NRST served as the convener and neutral third party, which entailed facilitating discussions, and providing review and recommendations. This project involved the completion of a 3-year settlement agreement between BLM and Argenta permittees that protects range resources while allowing for the replacement of the temporary closures with management.

The goal of NRST assistance was to work with various parties to develop a short-term grazing management plan (3-year trial period) to protect range resources while allowing for replacement of temporary closures with management; to design and implement a robust monitoring program; and to foster collaborative and cooperative working relationships between parties.

NRST assisted with the development of a detailed program of work in 2015, including development of low-stress stockmanship program and implementation of a monitoring program. This included the establishment of a high-functioning cooperative monitoring group (CMG) to conduct a mutually agreed upon monitoring program that included: stratifying and selecting monitoring sites, selecting and refining monitoring protocols, cooperatively collecting monitoring data, reviewing and analyzing end-of-season monitoring data. Emphasis was placed on working through issues in a transparent fashion.

- **Upper Klamath Basin Comprehensive Agreement**

As part of this agreement, the NRST was identified to provide professional and landowner/community training and outreach; coaching and quality control; and review and guidance related to riparian assessment, management, and monitoring. Initial planning and coordination was completed in 2014 and 2015 in preparation for initiating a number of these activities in FY 2016.

- **Starkey Experimental Forest and Range, Wallowa-Whitman National Forest and Pacific Northwest Research Station, OR**

The NRST received a request to evaluate a riparian restoration project on Meadow Creek within the Starkey Experimental Forest and Range. A multi-agency field tour was held in September 2014. The NRST provided a report of findings with recommendations in 2015 for an integrated riparian management process and suggested monitoring methods to determine effectiveness of restoration actions, as a component of multi-level research work on the station. A follow-up training course, Multiple Indicator Monitoring of Stream Channels and Streamside Vegetation, was held in June.

- **V Bar V Ranch/Coconino National Forest**

In October and November 2014, NRST served as facilitator for the review of riparian conditions and riparian grazing management on the V Bar V Ranch (University of Arizona operation) and its allotments on the Coconino National Forest. NRST facilitated the field meeting, took notes, completed a report with recommended actions, and distributed it to all participants.

- **Grazing and Riparian Monitoring Assistance and Coaching, Prineville District Office, OR**

The NRST provided riparian grazing management technical expertise and information in support of NEPA for permit reissuance. They also provided field coaching of riparian monitoring (MIM) and PFC assessment techniques, instruction on reach delineation and stratification, process of identifying reach potential, and a review of the integrated riparian management processes (IRMP) for the interdisciplinary team on the Prineville District office.

- **BLM Wild Horse and Burro Management**

In response to the recent National Academy of Science's Report and recommendations regarding Wild Horse and Burro (WHB) management within the BLM, the NRST worked with CADR to develop a proposal for applying their approach to collaborative problem solving to Wild Horse and Burro management issues across the West. Because the team's approach has demonstrated success in the past, and it is replicable and transferable to issues beyond riparian, applying this approach to WHB issues can yield successful outcomes. This proposal also supports the BLM's Collaborative Action and Dispute Resolution (CADR) program's efforts to increase the use of CADR principles and practices throughout the BLM. To this end, in 2015, NRST led a Nevada State Office and WHB situation assessment that included 185 people across northern NV.

- **Northwest Interagency Coordination Center Assistance**
The NRST provided management and staffing to the Regional Fire Management Media Desk.

Help Develop State-of-the-Art Information and Tools - National Riparian Service Team

- **Revision of TR 1737-15 Riparian Area Management - A User Guide to Assessing PFC and the Supporting Science for Lotic Areas**

The revision was led by the BLM National Operations Center (NOC). A core planning and writing team was established in 2011 that included the NRST and the Creeks and Communities Network. A widespread interagency technical review and a usability review were completed in 2012 - 2015. The revision was completed and published in 2015:

Dickard, M., M. Gonzalez, W. Elmore, S. Leonard, D. Smith, S. Smith, J. Staats, P. Summers, D. Weixelman, S. Wyman. 2015. Riparian area management: Proper functioning condition assessment for lotic areas. Technical Reference 1737-15 (Ver. 2). U.S. Department of the Interior, Bureau of Land Management, National Operations Center, Denver, CO.

- **Journal of Rangeland Applications Article**

The NRST co-authored a Riparian Grazing Management article designed to summarize scientific information relevant to land management in the Great Basin for use in decision making and evaluation. This was in partnership with University of Idaho and University of Nevada -Reno. The article was published in December 2015.

Practical Grazing Management to Maintain or Restore Riparian Functions and Values on Rangelands. 2015. Swanson, S., S. Wyman, and C. Evans. J. Rangeland Applications (2): pp. 1-28. <http://journals.lib.uidaho.edu/index.php/jra/article/view/16/6>.

- **TR-1737-16 (TR 1737-16 v.2) Riparian Area Management: Proper Functioning Condition (PFC) Assessment for Lentic Areas**

The BLM NOC and the NRST initiated revision of this publication. NRST members will co-author or review this technical reference in 2016.

- **Community Proper Functioning Condition Riparian Booklet**

The Creeks and Communities Network has a long-standing need for a non-technical counterpart to the riparian PFC technical references. This booklet will be used in conjunction with community workshops on riparian function to help public, stakeholders, and others with a non-technical background to understand important riparian functions. A draft has been completed and is undergoing review and editing.

- **SRM Symposium Lentic**

NRST assisted with the agenda and speakers for the upcoming Lentic symposium at the SRM Conference scheduled for Feb. 2, 2016.

- **Riparian Grasses Field Guide**

The NRST and University of Wyoming Professor Emeritus Dr. Quentin Skinner, are co-authoring a Riparian Grasses Field Guide for the Western United States. This work entails collection, photography, taxonomy, and ecological descriptions of species for the western United States. Document is in process, and editing and publishing are planned for 2016.

- **Riparian Electronic Bookcase**

Continued efforts to collect hard copies of technical riparian-wetland literature and related documents to scan or acquire electronically for inclusion in a riparian electronic bookcase.

- **Riparian Area Management: Monitoring Lentic Areas**

The BLM NOC and the NRST initiated development of this protocol in 2014. NRST is assisting with the selection of monitoring indicators, development of sample designs and monitoring protocols for lentic systems. In 2015, a field review was conducted and additional work is planned for 2016.

- **BLM Aquatic Core Indicator Development Working Group**

The NRST is serving on the core development working group responsible for providing ongoing and extensive input for the development of aquatic and riparian core indicators, information needs, and measures. This project is part of BLM's Assessment, Inventory, and Monitoring (AIM) initiative. In 2015, this group completed and published the AIM National Aquatic Monitoring Framework:

Bureau of Land Management (Miller, S.W., B. Bohn, D. Dammann, M. Dickard, M. Gonzalez, J. Jimenez, E. Rumbold, S. Smith, K. Stein). 2015. AIM National Aquatic Monitoring Framework: Introducing the Framework and Indicators of Lentic Systems. Technical Reference 1735-1. U.S. Department of Interior, Bureau of Land Management, National Operations Center, Denver, CO.

- **Riparian Complex Ecological Site Descriptions (ESDs) Development**

The NRST serves on an interagency (NRCS, BLM, FS, University) group for the development of unity and site concepts of riparian complex ESDs. The interagency group developed site concepts for riparian complex ESDs in FY2015.

- **CADR Strategic Plan**

NRST served on the core team responsible for working with BLM leadership to finalize the CADR strategic plan; NRST also served as co-author of the strategic plan published in 2015:

Bureau of Land Management. 2015. Transforming Collaborative Action and Dispute Resolution in the BLM: A Strategic Plan. Division of Decision Support, Planning and NEPA, Washington, D.C.

- NRST provided detailed advice and/or review comments for the following projects:

- Interpreting Indicators of Rangeland Health, v.5 TR-1734-6.
- NRCS Draft Riparian Complex ESDs for Lentic Riparian Complex Guidance.

Link Field- Based Activities and Policymakers – National Riparian Service Team

- **BLM/DOI Collaborative Action and Dispute Resolution (CADR)**
The NRST served on the oversight committee as well as the core writing team for development of the BLM-CADR strategic plan, serves as a CADR coordinator, and serves on the DOI-CADR in-house facilitation roster.
- **BLM Program Coordination/Integration**
The NRST is contributing to efforts aimed at establishing roles and priorities for integrating programs that address water, riparian-wetland, aquatic resources, and collaboration.

Support the C&C Program and Cultivate the CCN

Products for Outreach and Strategy Implementation – National Riparian Service Team

- NRST/Creeks and Communities Website
- Creeks and Communities Network Directory
- Creeks and Communities Handouts and PowerPoint Presentations

Briefings, Meetings, Presentations, Key Contacts – National Riparian Service Team

- DOI Collaborative Action & Dispute Resolution Staff
- DOI Office of Policy Analysis Staff
- Oregon Cattlemen’s Association Annual Meeting – Public Lands Roundtable
- BLM Division of Forest, Rangeland, Riparian & Plant Conservation
- FS Range and Vegetation Ecology Staff
- FS Regions 4 and 6 Range and Aquatics Staff
- BLM meeting at annual Society for Range Management Meeting
- Discussions with BLM Leadership regarding opportunities for leveraging NRST success across the Bureau; presentation to the Public Land Foundation
- Moderated three hour-long webinars for BLM CADR, DOI CADR, and the Managing by Networks Training Program

Work Planning, Operations, Coordination – National Riparian Service Team

NRST Coordination Calls and Work Planning Meetings
BLM WO-220 Conference Calls, Work Plans, Budget and Staffing Coordination
IDIQ Contract for Creeks and Communities Professional Services
BLM Riparian, Range and Fisheries Program Conference Calls
BLM and FS Fish, Wildlife, Watershed, Soils Program Coordination
BLM National Landscape Conservation System Coordination
BLM Collaboration and ADR Program Coordination
BLM National Operations Center Planning and Coordination
BLM National Training Center Planning and Coordination

DOI Office of Collaborative Action and Dispute Resolution Coordination
BLM Socioeconomic Coordination
NRCS WO Rangelands and West National Technical Support Center Coordination

Leveraging Resources – National Riparian Service Team

Several NRST activities were accomplished through leveraging the NRST operating budget with additional funding and in-kind contributions.

Reporting

FY 2015 Council on Environmental Quality (CEQ) report on CADR activities for the BLM
FY2015 Periodic NRST Updates
FY2014 Creeks & Communities Network Accomplishment Report

State Riparian Team Activities

Arizona

- No activities reported in FY 2015.

California

- No activities reported in FY 2015.

Canada

- Received funding from Eco-Action (Environment Canada) to conduct a PFC assessment on a second major tributary in the Shawnigan Watershed.
- Began the PFC assessments in the Shawnigan Watershed and will continue to undertake assessments in early spring 2016.
- Completed a PFC assessment on the Godman Creek and Substation Creek sub-catchments in West Vancouver, British Columbia with the purpose of aiding the design and planning of a residential community. The assessments form a key part in identifying locations for construction of residences and associated infrastructure that have the least impact on aquatic features within the development boundary.
- Provided an introductory PFC lecture and field course to graduate students, interns, and municipal staff (September, 4 participants).
- Received a contract to undertake a PFC assessment in the City of Burnaby to help address questions of stream management and rehabilitation in a heavily urbanized area. This assessment work took place in early January 2016.
- Continued efforts to foster interest in the Creeks and Communities Network concepts and model in British Columbia, working with Provincial government, regional governments, non-governmental organizations, and youth education

Colorado

- Conducted a PFC workshop in Pueblo with Colorado State University (June, 23 participants).
- Conducted a PFC workshop in Breckenridge, CO (July, 25 participants).
- Added two new state team instructors from BLM.

Idaho

- Conducted MIM training in Challis, ID (September, 25 participants).
- Conducted lentic PFC calibration training to 3 field offices.

Montana

- Hosted a PFC for Professionals training provided by the National Riparian Service Team in Malta, MT (July, 25 participants).

Nevada

- Taught Water Quality Implications from Riparian Proper Function Condition Assessment for USEPA Office of Research and Development (October, 14 participants).
- Conducted training class for an EPA Team of scientists who are preparing to teach concepts for identifying water quality issues in the countries of former Yugoslavia.
- Conducted a PFC assessment workshop in Winnemucca, NV (July, 38 participants).
- Taught riparian plant identification course at the UNR Herbarium/ Great Basin Museum of Natural History (July, 29 participants).
- Taught PFC assessment “streamlined” in Elko, NV (June, 15 participants).
- Hosted and helped teach a PFC for Professionals training provided by the National Riparian Service Team in Carson City, NV (May, 33 participants).
- Taught workshop on riparian conditions and management at the IL Ranch for the ranch owners, Newmont Mining Company (May).
- Taught Review Course for PFC to the Plumas National Forest Mohawk Ranger District PFC Assessment Team (April, 6 participants).
- Published papers:
 - Kwan, H., Swanson, S. R. (2015). Prediction of Annual Streambank Erosion for Sequoia National Forest, California. *J. Am Water Res. Assoc*, 50(6), pp. 1439-1447.
 - Kwan, H., Swanson, S. R. (2015). Reply to discussion by David L. Rosgen. Prediction of Annual Streambank Erosion for Sequoia National Forest, California. *Journal of the American Water Resources Association*, 51(2), 568.
 - Swanson, S. R., Wyman, S., Evans, C. (2015). Practical Grazing Management to Maintain or Restore Riparian Functions and Values. *Journal of Rangeland Applications/University of Idaho, Rangeland Center*, 2, 1-28. <http://journals.lib.uidaho.edu/index.php/jra>
This was an invited/commissioned synthesis paper

New Mexico

- No activities reported in FY 2015. Initiated preparations for hosting a PFC for Professionals course in 2016.

Oregon

- Co-sponsored and assisted with riparian grazing management course in Lakeview and Prineville (June/July, 20 and 36 participants).
- Provided riparian mentorship for Forest Service Fish Biologist.

Texas

One Day Riparian Function Workshops

- Texas Water Resources Institute, Nueces River (October).
- Texas Water Resources Institute, Eagle Mt Creek (October).
- Texas Water Resources Institute, Pedernales River (December).
- Texas Water Resources Institute, Dickenson Bayou (February).
- Texas Water Resources Institute, Leon River (March).
- Texas Water Resources Institute, San Antonio River (April).

- Texas Water Resources Institute, Cypress Creek (May).
- Texas Water Resources Institute, Hickory Creek (May).
- Texas Water Resources Institute, Richland Chambers (June).
- Texas Water Resources Institute, San Gabriel River (September).

Two Day PFC Workshops

- Texas Water Resources Institute Waxahachie (June).
- Texas Water Resources Institute Belton (June).

Riparian Function Presentations

- Holistic Management International (March).
- Native Plant Society of Texas (April).
- Soil for Water (May).
- Hill Country Alliance (June).
- Nature Conservancy / Texas Parks and Wildlife (June).
- Nature Conservancy / Texas Parks and Wildlife (June).
- Nature Conservancy / Texas Parks and Wildlife (June).
- Soil for Water (June).

On-Site Riparian Assessment and Consultation

- Four private land operations between April and August.

Education and Outreach

- Riparian Video <https://www.youtube.com/watch?v=U8BucDGS1CA>.
- Articles: Taking Care of Creeks and Streams; Ranch and Rural Living; June 2015.
 - Creek and River Myths; Texas Wildlife; July 2015.
- Book: Texas Riparian Areas; Texas A&M Press.

Utah

- Utah Riparian Team Coordinator attended the Northern, South East and the Southern Region Utah Partners for Conservation and Development, Watershed Restoration Initiative meeting and shared information regarding the Utah Riparian Team and associated Creeks and Communities activities.
- Utah Riparian Team Coordinator attended and presented at the Utah Watershed Coordinators Counsel meeting and shared information regarding the Utah Riparian Team and associated Creeks and Communities activities.
- Conducted Multiple Indicator Monitoring (MIM) implementation training in Moab, Utah. The implementation training provides an opportunity to get more experience with MIM following attendance at a general MIM course and benefits the hosting office by establishing MIM sites and collecting MIM data for the home unit (20 participants).
- Utah Riparian Team Coordinator attended and participated in a MIM training led by the NRST in Ephraim, UT.
- Utah Riparian Team Coordinator met with and assisted Dixie National Forest and BLM UT Cedar City Field Office with MIM data conversion and analysis module.
- Conducted a 3-day training session on the Process for Assessing Proper Functioning Condition (PFC) of Lentic Areas in Moab, Utah (26 participants including BLM, USFS, Utah Division of Wildlife Resources, University of Utah, private consultants, Grand Canyon Trust, Great Basin Institute, ranchers, permittee's, Grand Conservation District, Canyon Country Youth Corps, and Utah Dept. of Agriculture and Food).
- Assisted Utah State University, the BLM Salt Lake FO, Deseret Land and Livestock and the permittee with MIM Implementation training and site assessments on the Sage Creek allotment near

the Wyoming/Utah state line. This involved an evening MIM implementation update training and two field days establishing MIM sites and collecting MIM data.

Washington

- Initiated preparations for hosting a PFC for Professionals Course in 2016. Submitted funding grant applications to help finance the course.

Wyoming

- Hosted a PFC for Professionals training provided by the NRST in Rock Springs, WY (August, 25 participants).

