



Forest Service, US Department of Agriculture
WATERSHED – FISH – WILDLIFE – AIR – RARE PLANTS ::: WFW
MONTHLY WFW STAFF NEWSLETTER
JULY / AUGUST 2008

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News:

GENERAL/CROSS AREAS

Answer the Call 2008 Partnership Awards

Jay Cox recognized with National “Answer the Call” Volunteer Award

Jay Cox, member of Patoka Hills (IN) Chapter of Quail Unlimited was presented the 2008 “Answer the Call” Award for an outstanding volunteer at Quail Unlimited’s National Convention in Springfield, MO.

Jay has been an active coordinator for quail habitat improvement and restoration projects on the Hoosier National Forest. His projects include maintaining forest openings for quail forage, fire break construction, native grass restoration and removal of non-native fescue. Patoka

Hills Chapter President, Jim Bardwell said, “Jay has been our go-to guy for project logistics involving equipment transport and repair. He really stepped up and plays an invaluable role in making sure the Chapter’s Answer the Call projects are completed.” Jim accepted the award on behalf of Jay.

“Answer the Call” is a partnership between the Forest Service, Bureau of Land Management, Quail Unlimited and National Fish and Wildlife Foundation dedicated to cooperative projects that improve quail and upland game bird habitat across the nation.

Gary Rotta recognized with National “Answer the Call” Award



Photo: Gary Rotta (middle), Wildlife Biologist/Plumas National Forest, accepting Answer the Call award from Gail Tunberg, Answer the Call Program Coordinator (left) and Rocky Evans, Quail Unlimited President.

Gary Rotta, Wildlife Biologist on the Plumas National Forest, was presented the National “Answer the Call” Award at the 2008 Quail Unlimited National Convention in Springfield, Missouri. “Answer the Call” is a partnership program between the Forest Service, Bureau of Land Management, Quail Unlimited and National Fish and Wildlife Foundation. The program promotes quail and upland game bird habitat management nationwide through cooperative projects.

Gail Tunberg, National Coordinator for “Answer the Call”, and Rocky Evans, President of Quail Unlimited, presented the award in recognition of Gary’s career-long dedication and accomplishments in the management of quail habitat on the Plumas National Forest. Gary has been very successful throughout his 30+



Photo: Jim Bardwell (middle), Patoka Hills Chapter President accepting Answer the Call Volunteer award from Gail Tunberg, Answer the Call Program Coordinator (left) and Rocky Evans, Quail Unlimited President.

year career in obtaining funding and implementing quail habitat improvement projects, water sources for quail and other wildlife, and being an agency advocate for quail conservation.

“I want to thank my peers for nominating me and I accept this award on behalf of all Forest Service biologists who work hard each day doing habitat improvement work”, Gary said.

Dave Zalunardo Recognized for Dedication to “Answer the Call” Partnership

Dave Zalunardo, Pacific Northwest Regional Representative to the “Answer the Call” partnership was recognized for 14 years of exemplary service at Quail Unlimited’s National Convention in Springfield, MO. Quail Unlimited President Rocky Evans and National “Answer the Call” Program Coordinator, Gail Tunberg presented Dave with an engraved Henry Golden Boy rifle on behalf of the “Answer the Call” partnership, Forest Service wildlife biologists in the Pacific Northwest Region and Quail Unlimited. Dave plans to retire from the Forest Service this winter and spend his days hunting and fishing.



Photo: Dave Zalunardo (middle), accepting Answer the Call award from Gail Tunberg, Answer the Call Program Coordinator (right) and Rocky Evans, Quail Unlimited President.

All of us involved in “Answer the Call” join Rocky in saying, “Dave will certainly leave big shoes to fill, regarding our cooperative efforts with western quail species. Dave has always shown a true passion for his work with wildlife and the many programs that we have been mutually involved with. We wish him nothing but the best and I'm hopeful that our paths cross often”. Thanks for all your efforts Dave!

Submitted By: Gail Tunberg, USFS/R3/WFRP

Krusac Receives ARC Legends Award

Region 8 Endangered Species Specialist Dennis Krusac was honored as the Forest Service’s 2008 recipient of the American Recreation Coalition’s Legends Award. The Legends Awards recognize outstanding federal employees for efforts to enhance the nation’s outdoor recreation opportunities and resources.

“Dennis Krusac is an Endangered Species Specialist in the Southern Region of the U.S. Forest Service, based in Atlanta, Georgia. Dennis has developed outreach programs for mentally and physically challenged children, as well as minority students, and widely emulated accessible fishing facilities for children, senior citizens and disabled anglers. Dennis has worked through positive partnerships that have yielded numerous opportunities that would not have been successful otherwise, leveraging limited funds and providing results far beyond the initial investment of time and people. His work with inner-city Atlanta minority youth culminated in a 2008 “More Kids in the Woods” \$80,000 grant focused on minority teens in partnership with the National Wildlife Federation and several other non-traditional partners. He has shared his cutting-edge proposals with other forests and districts to encourage and stimulate combining recreation and environmental education efforts.”

More information:

[FSToday Feature Article](#)

[American Recreation Coalition – Legends Award Winners](#)

Submitted by: Marc Bosch, USFS/WO/WFW

Virgovic Receives ARC Beacon Award

Don Virgovic was selected as the [American Recreation Coalition's Beacon Award winner](#). The Beacon Award recognizes innovative use of technology in visitor services and recreation management. This award is expected to encourage experimentation with and use of new technologies and alternative communication channels to enhance visitor experiences and improve recreation program management. We all know the great job Don has done with the NatureWatch program and his use of technology to take that program to new heights.

“This award recognizes Mr. Virgovic’s many and varied successes in harnessing computers to connect the Forest Service to visitors and the general public. His "eagle cam" is currently receiving 20,000 hits daily. His I-Nature feature directs visitors to the best sites to view wildlife. His electronic photo library enables Forest Service employees to access thousands of copyright-free images. And Don's efforts are a model of partnerships – with zoos and state tourism offices and nonprofits. Don brings truth to the statement that some only mouth – ‘technology is our friend.’”

It was really nice to have the American Recreation Coalition select folks for these awards that work on wildlife, fish, and plants, the resources we all manage, and recognize the value of these resources on the recreational experience.

Submitted by: Dennis Krusac, USFS/R8/Biophysical Resources

PWNet: MonarchLIVE: A Distance Learning Adventure

The annual migration cycle of the monarch butterfly (*Danaus plexippus*) is one of the most spectacular natural phenomena in the world. Each year, millions of monarchs migrate thousands of miles to over winter in the mountain peaks in the states of Mexico and Michoacán, Mexico. During the 2008-09 school year, Prince William Network will offer a number of FREE live, interactive field trips for classrooms across the United States, Mexico, and Canada highlighting monarch biology, citizen science research, and stewardship. Be sure to join us during the first broadcast/webcast scheduled for October 10th from 1-2 p.m. Eastern Time.

Register to participate in this distance learning opportunity at <http://monarch.pwnet.org>.

More information and dates:

Monarch Live flier (html): <http://monarch.pwnet.org/newsletter/Program-Flyer.html>

Monarch Live flyer (pdf): http://monarch.pwnet.org/newsletter/MonarchLive_flier.pdf

Educational Objectives. The goal of “Monarch Live: A Distance Learning Adventure” is to meet national science standards and promote conservation action through education and awareness. The objectives are to:

- Increase the understanding of monarch biology, life cycle, and ecology, and the interdependence of the United States, Mexico, and Canada in the health of monarchs
- Help schools and classrooms develop butterfly gardens and schoolyard habitats
- Spotlight current monarch conservation and research being done by K-12 students, citizens, and university scientists
- Increase participation in and understanding of monarch citizen science programs

Questions? Contact Kristy Liercke at (800) 609-2680 or by e-mail at lierckkx@pwcs.edu.

Submitted By: Rhonda Stewart, USFS/WO/WFW

SOIL

Region 6 Employee Receives National Recognition

On June 18, 2008, Dr. Duane A. Lammers, Terrestrial Ecological Unit Inventory (TEUI) Program Leader (Natural Resources), R-6 was presented with a National Cooperative Soil Survey (NCSS) Special Achievement Award at the West Region Soil Survey Conference in Spokane, Washington. The award was presented to Duane by Michael Golden, Director of Soil Surveys for the Natural Resources Conservation Service (NRCS) in Washington, D.C. Only two such awards were presented this year.

Throughout his career, Duane has been an active participant and contributor to the National Cooperative Soil Survey. He began his career as a soil scientist and soil survey party leader with the then Soil Conservation Service (SCS) in Moab and subsequently in Roosevelt, Utah. In 1985, Duane transferred to the USDA Forest Service (Research) in Corvallis and worked closely with the Environmental Protection Agency on acid rain deposition projects.

More Information:

[D Lammers NCSS Award 2008.pdf 11.1KB](#)

Submitted By: Steve Howes, USFS/R6/WFW

The Proposed 50 CFR 402 Regulation Article Written

This is an interesting article (and certainly a cut above the rest we have seen in the media) on the proposed 50 CFR 402 regulation. It was informed, in part, by an interview the author did with Mark Ray. <http://www.sciencemag.org/cgi/content/full/321/5892/1030>

The writer often refers to "harm" as being the factor that determines whether action agencies need to consult. That term is used in media reports that quote FWS officials, and in many other media descriptions the proposed rule.

While "harm" that could be caused by an action to individuals of a species, or to the entire species, is a familiar concept, the word "harm" is NOT used anywhere in the preamble or the proposed rule. (Nor is it used in the 1986 regulations.)

The criteria and terms actually used in the proposed rule to determine consultation requirements (some of which are still ambiguous) include: insignificant contributor to any effects, risk of jeopardy is remote, wholly beneficial, meaningfully identified or detected in a manner that permits evaluation, adverse, take, jeopardy, and adverse modification or destruction of critical habitat.

The 1986 regulations use: insignificant, discountable, adverse, take, jeopardy, and adverse modification or destruction of critical habitat.

These are the terms that we actually do use, and/or will be using, to categorize identified effects and determine consultation needs. The more they can be defined in unambiguous terms, the

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easier it will be to categorize and communicate projects effects analyses and biological assessments.

Submitted By: Marc Bosch, USFS/WO/WFW

WATERSHED

National Environmental Methods Index - New "Green" Profile

The National Environmental Methods Index (www.nemi.gov) is a free, searchable clearinghouse of methods and procedures for monitoring water, sediment, air, and tissues. It is sponsored by the EPA and USGS. The tool can be used to compare and contrast performance, costs, and methodologies as well as verify field and laboratory protocols or procedures. Now, it can also be used to gauge a method's "greenness" profile. The profile is summarized by a four quadrant circle that is colored green if it meets criteria for being environmentally friendly with respect to hazardous waste; PBT-persistent, bio-accumulative, and toxic; corrosive; and waste amount. [Example of Water Analysis](#)

This tool is dynamic, so new information is continually added. They are currently working on expanding biological and automated sampling protocols. If you see something that should be added, you can submit it following the instructions on the website. Please share this information with others who may find it useful.

Submitted By: Sherry Hazelhurst, USFS/WO/WFW

Utah Livestock Water Rights Law Update

BACKGROUND: During the 2008 Utah Legislative Session, State Representative Mike Noel introduced H.B. 208, Livestock Watering Rights. The bill passed both houses and was signed by Governor Huntsman on March 28, becoming law on May 5, 2008. Key provisions of the Livestock Water Rights law include:

- The beneficial user of water associated with grazing on National Forest System (NFS) or Public lands in Utah may acquire a livestock watering right;
- The State recognizes a forage right that is appurtenant to a livestock watering right;
- The state engineer was authorized to: issue a livestock water use certificate; and charge a fee;
- Directs the Department of Agriculture and Food in certain circumstances to: hold a livestock watering right in trust; or sell a livestock watering right at a public auction;
- Prohibits the state engineer from approving a change application in certain circumstances; and
- Directs the proceeds from a sale of a livestock watering right by the Utah Department of Agriculture and Food to be deposited in the Rangeland Improvement Fund.

Shortly after the Governor signed the bill into law, Officials from the Forest Service, Bureau of Land Management and National Park Service met with State of Utah Officials to discuss implementation of the new law. The Forest Service shared potential implications to management of authorized livestock grazing on NFS lands in Utah. Under the new law the Forest Service would not authorize construction of new water developments or the improvement of some existing water improvements associated with National Forest grazing allotments.

After receiving clarification from the Utah State Engineer's office on several key points of the law, the Forest Service determined that it would be in the interest of the U.S. and the public to secure Livestock Water Use Certificates for each Forest Service allotment on NFS lands in Utah.

As part of the application for Stock Water Use Certificates, the National Forests in Utah, including the Caribou-Targhee and Sawtooth presented the state engineer's office with copies of grazing permit for each allotment as proof of ownership and beneficial use as required by state law. By the end of June, the State Engineer's Office issued **569** Stock Water Use Certificates to the U.S.; one for each allotment on NFS lands in Utah. The certificates are kept in the permanent Lands water right records in the Regional Office.

Submitted By: Harv Forsgren, USFS/R4/Regional Forester

Coming Events – Conferences & Meetings:

TES

Bat Research and Wind and Wildlife Research Symposiums coming in October

For those of you interested in bat research and conservation, the North American Symposium on Bat Research is coming up October 22 - 25, 2008. See website for further information.

http://www.nasbr.org/meetings/38_scranton/

For those of you interested in wind energy development and wildlife, the Wind and Wildlife Research meeting is coming up October 27 - 30, 2008. Please access the website for more information. <http://www.nationalwind.org/events/meetings/wildlifeVII.htm>

Submitted By: Dave Krusac, USFS/R8/WFW

The White House Wildlife Conference Set Announced

The White House has announced dates and a location for the White House Conference on North American Wildlife policy, reports the Wildlife Management Institute. The event will be held in Reno, Nevada, from October 2 to 3, 2008.

There are eight primary areas that will be the core issues for the October conference: perpetuation and strengthening of the North American Model of Wildlife Conservation; management of wildlife and habitat at the state, tribal and federal levels; ensuring dependable funding for wildlife conservation; perpetuation of hunter traditions through education, recruitment and retention; maintenance of access to public and private lands; coordination of oil and gas development with wildlife conservation; and climate-change impacts on wildlife. [Please access the cached website below for further information.](#)

Submitted by: Marc Bosch, USFS/WO/WFW

Technical Information & Publications:

SOIL

New Technical Guide: "Installing Monitoring Wells in Soils"

A new technical document titled "*Installing Monitoring Wells in Soils*" has been posted to www.soils.usda.gov. This guide was authored by Dr Steven Sprecher, Soil Scientist, New York (formerly Indiana). This 29 page, illustrated guide does a nice job of explaining basic principles and techniques for using water table wells and piezometers in hydrological studies. The guide can be viewed on-line or downloaded for printing locally. It is not copyrighted so it can be reproduced and used without restriction.

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Submitted By: Randy Davis, USFS/WO/WFW

Subsoiling article in Native Plants Journal

This summer, Jim Archuleta of the R6 UMF Diamond Lake Ranger District, wrote an article on subsoiling promotion of native plants, which was published by the [Native Plants Journal](#). The article was jointly written with the help of the district botany program and made possible with the help of the FS Patent Office (Janet Stockhausen and others).

Article: PDF 259 KB

Submitted By: Steve Howes, USFS/R6/WFW

WATERSHED

Stream Simulation Guide Released

The USFS guide "**Stream Simulation: providing aquatic organism passage at road-stream crossings**" is now available on the internet at:

http://www.stream.fs.fed.us/fishxing/aop_pdfs.html, and at

http://www.fs.fed.us/eng/php/library_card.php?p_num=0877%201801P. The layout is being revised, but the version now on the internet is complete and only the layout will change for the printed version.

The document is a guide for evaluating site conditions, designing replacement structures, and constructing road-stream crossing structures intended to permit free and unrestricted movement of any aquatic species. [The premise of stream simulation is that since the simulated channel through the road-stream crossing structure has very similar physical characteristics to the natural channel, aquatic species should experience no greater difficulty moving through the structure than if there were no crossing. Water depths and velocities through the road-stream crossing are as diverse as those in the natural channel, providing passageways for all swimming or crawling aquatic species.]

Stream simulation is an evolving design option. This guide advances the development of stream simulation techniques by integrating fluvial geomorphic principles and methods with engineering design. It also presents the results of years of implementation experience. The Forest Service developed this guide for road-stream crossings where stream simulation should

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as an alternative for aquatic organism passage. Every crossing requires a case-by-case assessment, site-specific objectives, and a site-specific design to achieve aquatic organism passage.

The guide includes introductory chapters on:

Ecological considerations for road-stream crossing structures

- basic ecological concepts
- importance of movement for individual animals and populations
- potential adverse effects of crossings on channel processes, habitats, and population fragmentation and isolation

Managing roads for connectivity

- need for road, road location
- crossing location and objectives
- BMPs for design, construction and maintenance
- monitoring

Introduction to stream simulation

- what it is
- limitations, when feasible

The rest of the guide consists of a chapter for each step in the process:

- **Initial watershed review and site reconnaissance**
- **Site assessment**
- **Simulated channel design based on reference reach**
- **Final design and contract preparation**
- **Construction**

Appendices include:

- Fluvial geomorphic principles applied in stream simulation
- Hydrologic analysis for stream simulation design
- Construction and contracting examples and specifications

Principal authors are Bob Gubernick (Tongass NF), Dan Cenderelli (Stream Systems Technology Center), Kozmo Ken Bates (consultant), Kim Johansen (Willamette/Siuslaw NFs), and Scott Jackson (UMass Amherst).

This guide has been several years in the making. The SS working group hopes that having this large amount of basic information and experience in one place will stimulate discussion and implementation, and help the practice advance even more rapidly than in recent years.

Note: Trying to print the guide in its entirety can cause serious printer issues.

Submitted By: Dave Schmid, USFS/WO/WFW

Sharing Success:

AQUATIC/FISH

Partnership will allow Riparian Area to heal



Working together with Trout Unlimited, the Monongahela NF fences cattle out of a sensitive riparian area. By: Kathleen Goodrich-Arling (R09_Monongahela)

Cows no longer trample the riparian area of Big Run in the Cheat-Potomac Ranger District of the Monongahela National Forest, nor do they have to negotiate the banks of the stream to get drinking water. In a classic "win-win" situation, both the natural resources and the cattle are better off as a result of a partnership between the Forest Service and Trout Unlimited.

Through a challenge cost-share agreement between the Forest and the Trout Unlimited Potomac Headwaters Home Rivers Initiative numerous improvements have taken place on Big Run as it meanders through a 248-acre grazing allotment.

Streams in the Big Run watershed support populations of wild brook trout (*Salvelinus fontinalis*) which is a management indicator species in the Forest Land Management Plan for the Monongahela. The Big Run watershed streams are further recognized as priority habitat by the Eastern Brook Trout Joint Venture and the West Virginia Brook Trout Conservation Strategy by virtue of the relatively intact populations of native "brookies" that they support.

With only 7,000 acres or so in grazing allotments in the entire Forest, the Big Run allotment is an important component to the grazing program and to the local farmer who holds the permit. Managing for both native trout and cattle simply isn't possible unless riparian areas can be effectively fenced off, and suitable water sources developed for the livestock.

That's where the partnership between Trout Unlimited and the Forest comes in. A decision memo was signed in 2006 to begin the process of implementing a multi-pronged project to restore riparian and stream channel conditions in Big Run. The ultimate goal of the project is to conserve and restore brook trout populations in the Big Run watershed.

Under the cost-share agreement, the Forest Service provided oversight of the project by watershed technician Lindsey Moore and watershed program manager Mike Owen; materials/supplies for off-channel watering troughs; and \$10,000 for reimbursable cooperator costs to implement the items listed in the decision memo. Trout Unlimited provided the labor resources, materials other than watering troughs, and equipment required to do all of the work.

The project has been ambitious, involving 14,300 feet (nearly 3 miles) of fencing to protect 7,200 feet of stream and 37.4 acres of riparian area; planting 37.4 acres of spruce, willow, and silky dogwood in the riparian zone; construction of 5 elevated stream crossings to allow for movement of cattle through the allotment; and development of 3 new spring boxes and installation of 8 new watering troughs.

In addition both short and long term monitoring efforts have been instituted, including placement of temperature loggers, establishment of photo points, and collection of fish population and habitat data.

The trees, planted by volunteers, are still small and the fences and other improvements still obviously new, but there are no more fresh cattle tracks along the banks of Big Run. The fencing will prevent soiling and degradation of the water quality by cattle, while ensuring the stream banks are not eroded by their hooves.

Over time, as the trees grow tall, the shade will deepen along the stream, protecting the cool, oxygen-rich waters the trout depend on. The cattle still have access to the productive grazing areas, and thanks to the water troughs, have a source of easily accessible water. The permit holder still has pasture for their cattle.

It's easy to note that the net total project value is \$69,462 and that the Forest Service achieved the project through a 15.85% match to the 84.15% contributed by Trout Unlimited. Far harder to quantify, but ultimately more satisfying, is the knowledge that the habitat of the Big Run watershed is indeed being conserved for the future.

Submitted By: Nick Schmal, USFS/R9/WFW

Unplugging Indiana Kids



The Hoosier sponsored a program to bring elementary children out to the Forest. By: Stacy Duke (R09_Hoosier)

On April 30th, 2008 the Hoosier National Forest provided an all expense paid fieldtrip for local 5th and 6th graders, through a new outdoor program called Kids Unplugged. Kids Unplugged is a program initiated in 2008 that targets underserved, urban schools within the Hoosier's largest communities-Bedford and Bloomington. A total of 132 students, six teachers and numerous parent chaperones were bussed out to the Hardin Ridge Recreation Area for a day of hands-on outdoor learning sessions.

Ten stations ranging from campfire cooking to outdoor games were offered, with each student participating in four of the stations. "My favorite station was the reptile one because we got to touch a snake. I never thought I would ever touch one but I did!" a student commented in a thank you letter to the Hoosier. In addition to free transportation, each participant received lunch and a backpack full of supplies to take home to help interest them in getting outside once the fieldtrip was over.

Teachers were pleased with the "well educated staff and the highly motivated students throughout the day." Feedback and evaluation was very positive and also useful in measuring the value of this program. The Kids Unplugged program was initiated in response to the Forest Services' initiative to get more kids outside.

In addition to the field trip during the school day for the two schools, free transportation was also offered from each school to two other Forest events - International Migratory Bird Day and the

Hoosier Fishing Derby to encourage the kids and their families to attend each of these events as well. Kids from both schools with their families attended each of these events as well.

Several partners contributed to the program in various ways, in addition to Hoosier staff. Six of the ten sessions were lead by other agencies; Indiana Department of Natural Resources, Monroe County YMCA, Monroe County Parks & Recreation, The Adventure Center, and Muscatatuck Wildlife Refuge. Others participated through donations; Wal-Mart, Indiana University Outdoor Adventures and Camp Maumee Boy Scout Camp.

Submitted By: Nick Schmal, USFS/R9/WFW

[USFS Success Story Reporting System](#) - NOW ON WWW!

Read more success stories at our **USFS Success Story Reporting System**, such as

- ❖ Hiawatha Hosts National Monarch Butterfly Workshop
- ❖ National Forest Foundation Grant will Help Hiawatha Wilderness
- ❖ Enhancing Ruffed Grouse Habitat
- ❖ Wayne NF partners with Ohio DNR to inform sportsmen about aquatic invasive species
- ❖ Partnership Will Allow Riparian Area to Heal
- ❖ New Species of Crayfish Documented on the Shawnee National Forest

Have a USFS Success? Share it through the USFS Success Story Reporting System.

Vacancies/Employment Opportunities:

Federal job announcements can be found at: http://jobsearch.usajobs.opm.gov/agency_search.asp

USFS Outreach Opportunity – Supervisor Wildlife Biologist; Lufkin Texas

Respond by September 12, 2008

Supervisory Wildlife Biologist, GS-0486-12, position will be announced in the near future in the Supervisor's Office for the National Forests and Grasslands in Texas. The incumbent serves as the Forest's Wildlife Biologist, managing the programs for wildlife, Threatened, Endangered and Sensitive Species (TES), coop wildlife programs with the Texas Parks and Wildlife Department and other NGOs, and is responsible for overall leadership, coordination, planning and implementation of these programs.

Contact: Glenn Donnahoe, 936-639-8504 gdonnahoe@fs.fed.us

Assistant Regional Water Coordinator - Colorado State University - Colorado Water Institute

Respond by September 15, 2008

Position: Research Associate II, Assistant Regional Water Coordinator, Colorado Water Institute, Colorado State University, Fort Collins, CO. This full-time Administrative Professional appointment involves supporting water resources research, outreach and educational program efforts.

Duties and Responsibilities: The successful applicant for this position will develop, implement and support educational programs concerning water resources in Colorado. Other primary responsibilities include writing annual and project summary reports and assisting with developing grant proposals. This position assists in the coordination and organization of the USDA-CSREES Region 8 Water Program meetings, publications, educational outreach, websites and budget administration. Additional duties include performing technical reviews of water quality manuals, delivering educational programs and presentations concerning water resources, assisting with applied research projects, maintaining and consolidating water quality databases and websites, and interfacing with faculty at Colorado State University and county extension offices. Qualifications: Completed Bachelors Degree (Masters Degree preferred) with significant coursework in water or natural resources. Candidate must possess a working knowledge of educational programming and website development. Preference will be given to individuals with experience in water-resources-related educational curriculum development and delivery. Excellent verbal and written communication skills are required for this position.

Submit applications via email attachments (Microsoft Word or PDF files) to nancy.grice@colostate.edu.

For more information: Colorado Water Institute website at: <http://www.cwi.colostate.edu>

Playa Lakes Joint Venture (PLJV) Conservation Science Director

Reply Due: September 20

The Playa Lakes Joint Venture (PLJV) is accepting applications for the new Conservation Science Director (CSD) position. The CSD will be responsible for biological planning, monitoring, research and the evaluation of programs associated with the PLJV's biological foundation, and for disseminating and ensuring use of this information by PLJV partners. Send resume or C.V. and one-page cover letter synthesizing overall qualifications not detailed in resume to Mike Carter by Sept. 30, 2008. Position may be anywhere in the PLJV region where air travel is convenient but preferably Lafayette, Colorado.

Contact: Debbie F. Slobe, Communications Team Leader, Playa Lakes Joint Venture; 303-926-0777
debbie.slobe@pljv.org www.pljv.org

WFW Newsletter Contact Information: Disclaimer – Non Discrimination Statement

WFW Newsletter is a monthly newsletter without a clever name and is provided by the National Forest System Watershed-Fish-Wildlife-Air-Rare Plants staff (including Soils and Meteorology) of the USDA Forest Service. Contributions are welcome and should be submitted to Netta Grant at agrant@fs.fed.us or your favorite Program Leader no later than the 20th of each month. We reserve the right to edit contributions for clarity and brevity. Emphasis is on brevity. Links to detailed URLs or documents are great – include them in your information contribution. If photos are included in your submission, please provide alternative text with each photo. Alternative text should not repeat captions but describe the scene shown in the photo.

If brevity and clarity are a struggle for you, we recommend the “[Plain & Simple! Document Writing](#)” workshop instructed by Dr. Jud Monroe.

Vacancy Positions listed are for outreach purposes only and are not full announcements. Interested individuals should contact the units referenced or consult the [USAJOBS website](#).

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