



Minnesota River Weekly Update

December 17th, 2013

BALMM meets Dec. 18 at MPCA office in Rochester

The Basin Alliance for the Lower Mississippi in Minnesota (BALMM) will meet 9 a.m. to noon at the MPCA office in Rochester. They will be discussing about nitrates and nitrogen in surface waters, along with impaired waters. Keynote speakers include David Wall, MPCA hydrologist; Wayne Anderson, MPCA Strategy Planner; Annie Felix-Gerth, State Program Administrator Principal, Fertilizer Management Unity, MDA; and Miranda Nichols, MPCA.

For more information on what will be discussed at this meeting visit their [event page](#).

EQB releases draft model standards and criteria for silica sand mining

The Minnesota Environmental Quality Board releases a draft today of the Silica Sand Model Standards and Criteria entitled "Tools to Assist Local Government," a toolbox of regulatory approached that local governments can use to address impacts from the mining, processing, and transporting of silica sand. These guidelines, mandated by the 2013 legislature, provide information and recommendations related to a number of issues, including such things as water quality, natural vegetation and wildlife habitat, air quality and transportation. A subcommittee of the EQB will discuss the draft document on Wednesday Dec. 18 from 1-4 p.m., at the MPCA office in St. Paul. The meeting will include presentations from state agencies as well as an opportunity for public comment. Written comments will also be accepted at silicasand.eqb@state.mn.us until January 13. The draft of the Silica Sand Model Standards and Criteria can be found at the [EQB site](#).

ARTICLES

Vast freshwater reserves found beneath the oceans

Dec. 8, Science Daily

Scientists have discovered huge reserves of freshwater beneath the oceans kilometres out to sea, providing new opportunities to stave off a looming global water crisis.

Pollinator populations plummet, House committee hears

Jonathan Avisa, Dec. 10, TC Daily Planet

A combination of pesticides, pathogens and a lack of pollen-producing flowers is causing a serious decline in the population of bees and other critical pollinators in Minnesota and across the nation, a House committee heard Monday.

Park Board considers plan to expand urban agriculture

Ross Joy, Dec. 13, TC Daily Planet

A forest of fruit trees or youth-run community garden could soon be growing in a Minneapolis Park near you. Opportunities like these are outlined in a Urban Agriculture Activity Plan that is currently under review by the Minneapolis Park & Recreation Board.

How plastic in the ocean is contaminating your seafood

Eliza Barclay, Dec. 13, NPR News

We've long know that the fish we eat are exposed to toxic chemicals in the rivers, bays and oceans they inhabit. The substance that's gotten the most attention - because it has shown up at disturbingly high levels in some fish - is mercury. But mercury is just one of a slew of synthetic and organic pollutants that fish can ingest and absorb in their tissue.

Outlook bright for area public projects

Dan Lineham, Dec. 14, The Free Press

MANKATO - Rep. Bob Gunther said he doesn't think Gov. Mark Dayton's bonding target is that far off, even though it was just raised by about 25%, to \$975 million. Two large area projects, Mankato's civic center expansion and remodels and St. Peter Regional Treatment Center, appear to have unusually bright prospects.

Wisconsin on track to reduce carbon dioxide emissions by 22%

Thomas Content, Dec. 14, Milwaukee Wisconsin Journal Sentinel

A new analysis by a climate and energy think tank shows Wisconsin is on track to reduce emissions of the greenhouse gas carbon dioxide by 22% between 2005 and 2020, but more cuts will likely be needed to meet federal climate change regulations under development.

Agriculture most promising drone market

AP, Dec. 14, MPR News

Idaho farmer Robert Blair isn't waiting around for federal aviation officials to work out rules for drones. He and a friend built their own, outfitting it with cameras and using it to monitor his 1,500 acres.

NorthMet jobs come with too much risk to Minnesota environment

John Harrington, Dec. 16, MinnPost

As many (all?) of you know, there's a proposal for Minnesota's first copper-nickel mine that's subject of a Supplemental Draft Environmental Impact Statement. One of the major arguments in favor of allowing the proposal to proceed is that it will "create" 360 well-paying jobs.

Deep snow and bitter cold already affecting northern Minnesota deer

AP, Dec. 16, Star Tribune

DULUTH, Minn. - The winter has gotten off to a challenging start for white-tailed deer in northeastern Minnesota, where the deep snow and bitter cold already are pushing them into mid-winter behavior patterns.

Minnesota River Board to disband

Dec. 17, KDUZ/KARP

Nearly 20 years after a citizens advisory committee urged that a basin-wide board lead efforts to clean up the Minnesota River, the board that took on that role is disbanding.

EVENTS

Dec. 16 - Dec. 22

MPCA Announces 2014 Draft Impaired Waters List
Wednesday, December 18, 2013 @ 11 a.m. - 12 p.m.

Location: MPCA Office, 18 Wood Lake Drive SE, Rochester, MN (in conjunction with [BALMM](#) meeting)

Brief Description: The MPCA has announced the [draft 2014 Impaired Waters List](#), which be open for public comment in January 2014. Ten lakes and 20 stream reaches across Minnesota have been removed from this year's list, an accomplishment which represents monumental work on the part of watershed organization around the state. Some highlights of this year's list include:

- Thirty-two miles of the Mississippi River have been impaired since 2008 because of the presence of certain perfluorochemicals (PFCs) in fish tissue. PFC concentrations have decreased markedly in the impaired sections of the Mississippi, and three out of four sections of the river can now be removed from the Impaired Waters List for this particular problem
- Two sections of the Red River of the North near Fargo-Moorhead, which had been impaired since 1994 because of fecal coliform bacteria, have been removed from the draft list. Working cooperatively, the two cities enhanced their flood mitigation efforts and improved stormwater and wastewater infrastructure to reduce bacteria counts in the river to a safer level. The river now meets state water quality standards for fecal coliform bacteria.
- Nine metro-area lakes have been removed from the list as a result of work to correct their impairments. Howard Lake in Anoka County was restored by removing rough fish such as carp that disturbed the lake bed, and installing barriers to keep them out. These actions improved water quality and allowed rooted vegetation to be re-established in the lake.

A series of public meetings will take place throughout the state in December to present the content of the Impaired Waters List. Individuals who are unable to attend in person can phone in to the meetings in real time.

For more information, visit the Impaired [Waters List](#) website or contact [Miranda Nichols](#) (651) 757-2614

Elk's Nature Center Revitalization Project - Nature Center Docent Thursday, December 19, 2013 @ 5-9 p.m.

Location: Elks. Nature Center in Rasmussen Woods, Mankato

Brief Description: Open up the area nature center. Assist with facility management and maintenance. Learn about Rasmussen Woods and environmental attributes of our region. Share our information and knowledge with visiting guests. As time moves on...develop and implement environmental programs that support life-long, environmental learning and community building!

For more information and to RSVP visit the [Elk's Nature Center Revitalization VolunteerSpot page](#).

Viewing of the DAKOTA 38 + 2 Memorial Ride Documentary Thursday, December 19 @ 7-9 p.m.

Location: Southwest Minnesota State University Conference Center - Upper Level, 1501 State St., Marshall, MN 56258

Brief Description: The SMU Offices of Diversity and Inclusion, Access Opportunity Success and Oyate Club at Southwest Minnesota State University, Living Word Lutheran Church, and Clean Up the River Environment (CURE) will host a viewing of the documentary "DAKOTA 38" and dialogue with 2013 riders. The documentary is about the annual recognition of what happened on December 26, 1862 in the Mankato area. It is history of their journey - the blizzards they endure, the Native and Non-Native communities that house and feed them along the way, and the dark history they are beginning to wipe away. A group of riders retrace the 330 mile route of Jim Miller's, a Native spiritual leader and Vietnam veteran, on horseback from Lower Brule, South Dakota to Mankato, Minnesota to arrive at the hanging site on the anniversary of the execution.

For more information on the event and the riders visit the [DAKOTA 38](#) site.

Winter Solstice

Saturday, December 21, 2013 @ 4:30 p.m.

Location:

Brief Description: In the midst of the hectic holiday season, plan in some simplicity and celebrate the sun's return! There will be a snowshoe hike (4:30 p.m.) led by Naturalist Scott Kudelka, light supper and seasonal reflection (5:30 p.m.), and fire performers and bonfire (7 p.m).

For more information email [Scott Kudelka](mailto:Scott.Kudelka@mn.gov) or call (507) 384-8890

Don't Bet the Boundary Waters: A Night to Prevent Mining Pollution in the BWCA

Sunday, December 22, 2013 @ 5-9 p.m.

Location: The First Unitarian Society, Minneapolis

Brief Description: Wilderness lovers will gather for an evening of food, drinks, and music to address this important and urgent issue. Come bid on generous donations, including a Bending Branches Canoe Paddle, Family Fun day passes at Vertical Endeavors, a cocktail class for 10, and skydiving for 2! The night will include music by Barra (and others TBA), a video presentation, a short presentation by Ely area leaders, petition signing and conservation on how and why we must act now to protect the BWCAW.

For a full list of the items up for auction and more information visit their [Facebook](#) page. Join in good company to show support for preventing mining pollution!

Dec. 23 - Dec. 29

Elk's Nature Center Revitalization Project - Nature Center Docent

Thursday, December 26, 2013 @ 5-9 p.m.

Location: Elks. Nature Center in Rasmussen Woods, Mankato

Brief Description: Open up the area nature center. Assist with facility management and maintenance. Learn about Rasmussen Woods and environmental attributes of our region. Share our information and knowledge with visiting guests. As time moves on...develop and implement environmental programs that support life-long, environmental learning and community building!

For more information and to RSVP visit the [Elk's Nature Center Revitalization VolunteerSpot page](#).

Dec. 30 - Jan. 5

First Day Hike

Wednesday, January 1, 2014 @ 10-11 a.m.

Location: Minneopa State Park, Mankato

Brief Description: Go for refreshing and invigorating hike on the first day of 2014 at Minneopa State Park. The area naturalist will lead a guided hike from the Group Campground down to the confluence of Minneopa Creek and the Minnesota River. On the way we will stop to take in the view of a wintery landscape and talk about some of the cool natural and historical facts of the area. To participate in the First Day Hike, meet at the parking lot of the Group Campground on the campground side of Minneopa State Park at 10 a.m. Wear shoes and clothing appropriate for walking on a winter morning. Be prepared for slippery and uneven walking conditions. Bring drinking water. The hike will last approximately an hour and a half.

For more information email [Scott Kudelka](mailto:Scott.Kudelka@mn.gov) or call (507) 384-8890

Elk's Nature Center Revitalization Project - Nature Center Docent

Thursday, January 2, 2014 @ 5-9 p.m.

Location: Elks. Nature Center in Rasmussen Woods, Mankato

Brief Description: Open up the area nature center. Assist with facility management and maintenance. Learn about Rasmussen Woods and environmental attributes of our region. Share our information and knowledge with visiting guests. As time moves on...develop and implement environmental

programs that support life-long, environmental learning and community building!

For more information and to RSVP visit the [Elk's Nature Center Revitalization VolunteerSpot page](#).

Jan. 6 - Jan. 12

Northern Green Expo

Wednesday, January 8 - Friday, January 10, 2014

Location: Minneapolis Convention Center, Minneapolis

Brief Description: The expo takes on social challenges related to pollution, natural resources and climatic changes need to be handled before it becomes too late. The expo has been dedicated to provide the future generation a greener planet and life. The innovation done in technologies promises to bring forth a healthier world for the future generation. The search for locating solution to environmental problems can be found here.

For more information on the programs offered, featured speakers, and the trade show visit [Northern Green Expo website](#).

Minnesota Organic Conference

Friday, January 10 - Saturday, January 11, 2014

Location: River's Edge Convention Center, St. Cloud, MN

Brief Description: The Minnesota Organic Conference offers learning and networking opportunities for people new to organic production as well as for those who are old hands at it. Farmers, researchers, educators, technical assistant providers, and business owners will have plenty of time to talk and learn together. The educational program is complemented by an 80-vendor trade show.

Friday Agenda:

8 a.m. Registration
9 a.m. Presentations
10 a.m. Trade Show
10:45 a.m. Conference Welcome and Keynote Address (Charlie Johnson, Johnson Farms)
11:45 a.m. Lunch and Trade Show
1:15 p.m. Presentations
2:45 p.m. Trade Show
3:30 p.m. Presentations
5 p.m. Reception and evening social sponsored by Minnesota Farmers Union

Saturday Agenda:

7:30 a.m. Registration
8 a.m. Presentations
9 a.m. Trade Show
9:45 a.m. Presentations
10:45 a.m. Trade Show
11:15 a.m. Keynote Address (Miles McEvoy, National Organic Program)
12:15 p.m. Lunch and Trade Show
1:45 p.m. Presentations
2:45 p.m. End of Conference

We strongly recommend that you register by mail. However, we also accept walk-in registration at the door. Meals are included in the registration fee, but guaranteed only if you register before Tuesday, December 31, 2013. For more information and how to register visit the [events brochure](#).

Nature's Nook

Friday, January 10 - January 11, 2014 @ 8:30 - 11:30 a.m.

Location: Elk's Nature Center in Rasmussen Woods, Mankato

Brief Description: Nature's Nook is an environmentally-based monthly program for pre-K through middle school children and their families. Together and through the beauty of Mankato's own Rasmussen Woods, we will

promote literacy through stories and activities that explore our natural world. Sessions include story time, activities, games and a short lesson through the monthly topic.

For more information call MSU Mankato Community Engagement (507) 389-5789.

Jan. 13 - Jan. 19

Workshop: Native Plants, Raingardens and Lawn Care for Water Quality
Monday, January 13, 2014 @ 6-8 p.m.

Location: Mississippi Market, 7th Street, St. Paul, MN

Brief Description: Whether you're interested in a smaller native planting or want to transform your whole yard into a force for clean water in 2014, this FMR workshop can help you jumpstart your spring planning. We'll also touch on ways to make your yard river-friendly this winter. We will discuss:

- Ways to provide sidewalk traction in winter, possibly eliminating or reducing salt runoff
- What needs to be picked up from yards in winter to reduce pollution
- Landscaping with native plant species
- The proper use of lawn fertilizer
- Backyard composting
- Soil testing
- Creating a rain garden
- Additional innovative approaches to managing stormwater

This is a free workshop. We invite you and your friends to join us in learning how to make your impact on the watershed a positive one! Register and learn more by visiting the [FMR event page](#).

Citizen's Frac Sand Summit

Saturday, January 18, 2014 @ 9 a.m. - 4:30 p.m.

Location: Tau Center, Winona

Brief Description: At this summit Minnesotans and nature enthusiasts will build their power to keep frac sand mining out of this region and create vibrant, sustainable communities. Topics and workshops include:

- Frac sand mining's impact on farmland
- Frac sand mining's role in extreme energy extraction
- Ensuring that state regulations put public health and well-being before corporate profits
- Understanding the threat to human health from exposure to silica dust
- Using township rights to control frac sand mining
- and more!

Featured speakers include: John Linc Stine, Commissioner of the MPCA; Jennifer Krill, executive director of EarthWorks; Michael McCawley of the School of Public Health Program at the University of Wisconsin Eau Claire. Cost is \$10 and includes lunch of local foods.

For more information and to register visit [LSP Citizen's Frac Sand Summit event page](#).

Wild about Wildlife

Saturday, January 18, 2014 @ 1-2:20 p.m.

Location: Elk's Nature Center at Rasmussen Woods, Mankato

Brief Description: Join the Minneopa Area Naturalist Scott Kudelka for an interpretative program on Minnesota wildlife. What is the one animal who climbs trees? Who can swim underwater for 100 feet without taking a breath? How does a river otter stay warm in the winter? These questions and many more will be answered in the Wild about Wildlife program. Each mammal has adapted to survive in their natural environment and we will look at some of the more interesting characteristics of 14 different mammals including the badger, coyote, and skunk. We will use the furs of the 14 different mammals to show how each one is unique in their own way. There will be a number of hands-on activities including "Guess the Critter."

For more information email [Scott Kudelka](#) or call (507) 384-8890

Candlelight Ski, Snowshoe and Walk
Saturday, January 18, 2014 @ 5-8 p.m.

Location: Minneopa State Park, Mankato, MN

Brief Description: Gather with friends, neighbors, and others to enjoy the natural wonders and beauty of the winter season at the Minneopa Group Campground. Come out to enjoy an ice candle lit trail groomed for both cross-country skis and snowshoes cutting through a floodplain forest. A blazing bonfire along with hot cocoa and cookies will be part of this festive event. The event will take place even if there is no snow on the ground. Co-sponsored by the Friends of Minneopa, this nonprofit, volunteer organization of citizens strive to preserve, manage and promote the resources of this state park.

For more information on the event email [Scott Kudelka](mailto:Scott.Kudelka@state.mn.us) or call (507) 384-8890.

Jan. 20 - Jan 26

Jan. 27 - Feb. 2

Fracking: What we know and don't know about its impact on water

Friday, January 30, 2014 @ 7-9 p.m.

Location: Student Center, University of MN, St. Paul Campus

Brief Description: The speaker at this presentation is Robert Jackson, a Duke University environmental scientist who led some of the first peer-reviewed research on the hydraulic fracturing for oil and gas and its impact on groundwater. This is sponsored by the Freshwater Society and the University of Minnesota College of Biological Sciences, and it is a FREE and open public lecture. All are invited to come and join the discussion surrounding fracking.

For more information and to register visit [Freshwater Society](http://freshwatersociety.org).

Feb. 3 - Feb. 9

Feb. 10 - Feb. 16

Feb. 17 - Feb. 22

Conservation Tillage Conference

Tuesday, February 18 - Wednesday, February 19, 2014

Location: Holiday Inn and Suites, St. Cloud, MN

Brief Description: Conservation tillage is the focus of the ninth annual University of Minnesota Extension Conservation Tillage Conference and trade show. This conference emphasizes proven farm experience and applied science. Straight from the trenches, learn how heavier, colder soils aren't necessarily the challenge they're made out to be. And, what have long-time no-tillers and reduced-tillage farmers learned that could spare you the same lessons? Conference highlights include: weed species shifts and control; nutrient management in high-residue systems; strip till strategies straight from veteran farmer practitioners; subsurface drainage options; proven crop strategies for your system to anchor nutrients, manage soil moisture extremes and provide free nitrogen; soil health improvements with reduced till systems; climate trends and soil resiliency; vendor sessions: learn about new equipment, products and technology.

For more information on featured speakers, program agenda and the trade show visit the [9th Annual Conservation Tillage Conference website](http://9thannualconservationtillageconference.org) or email [Jodi DeJong-Hughes](mailto:Jodi.DeJong-Hughes@state.mn.us) or call (320) 815-4112

JOB ANNOUNCEMENTS

TIMBER ADMINISTRATION	
Department:	Forestry/Central Office, Minnesota Department of Natural Resources

Closing Date:	December 19, 2013
Location(s):	St. Paul, MN
Who May Apply:	Only current DNR employees
Responsibilities:	<p>This position coordinates the statewide Timber Administration Program to ensure appropriate compliance with all relevant state statutes, rules, policies and guidelines; to provide the greatest public benefit from the sale and harvest of timber from state-administered lands; and meet all goals and objectives of the Division of Forestry, State of Minnesota.</p> <p>Responsibilities include:</p> <ul style="list-style-type: none"> • Develop program goals, work and spending plans, recommend program policy and monitor the work of forestry staff. Develop reports in one or more forestry program and/or subprogram and/or activity areas. Coordinate program activities with other agencies. • Training/Continuing Education. Develop and deliver educational programs/materials. Train natural resource staff in the administration and implementation of forestry programs. Educate the public. • Administration: Participate in state wide program planning. Draft legislative proposals and special reports. Testify or brief managers to testify. • Frequent travel required statewide. Occasional travel out of state required. <p>For more information and how to apply visit www.career.state.mn.us 13DNR000845</p>

ACQ & DEVELOPMENT SPECIALIST	
Department:	Parks & Trails, Region 4, Minnesota Department of Natural Resources
Closing Date:	December 23, 2013
Location(s):	Rice Lake State Park, MN
Who May Apply:	Only current state employees
Responsibilities:	<p>The position exists to provide professional assistance to the Area 4D Supervisor in the acquisition, development and planning of Parks & Trails recreation facilities in Region 4. Position will require some travel and evening meetings. Preferred location will be either at Rice Lake State Park, near Owatonna, or Nerstrand Big Woods State Park, near Nerstrand.</p> <p>Responsibilities include:</p> <ul style="list-style-type: none"> • Land acquisition activities: Research, document, and report on suitable recreation sites; prepare land acquisition fact sheets and submit to Bureau of Real Estate Management (BREM); identify suitable sites and contact landowners to acquire property; conduct and/or represent P&T at public meetings to explain land acquisition proposals; request archeological reviews; propose and negotiate Cooperative Agreements. • Work plan development and implementation: Develop plans and write specifications for force account and contract development projects; procure supplies, materials and services; acquire

county, state, and federal permits; review engineering preliminary and final development plans and specifications and make recommendations; supervise contractors and direct the activities of field staff.

- **Direction of Field Staff Activities:**
Establish work priorities and schedule weekly work assignments for staff; monitor and report staff performance and effectiveness; schedule and secure training tools and instruct employees in the safe use and operation of equipment, tools and materials; provide direction to staff in written and oral form on a regular basis.
- **Stakeholder Liaison:**
Lead or participate in conflict resolution between local trail groups and the DNR to settle difference; disseminate information to local units of government, DNR and other government agencies and solicit comments, review, evaluate, and recommend changes to P&T projects.
- **Planning Assistance:**
Research and collect information to be used in the preparation of a Master Plan for each State Trail segment; solicit input during the trail planning process from the DNR divisions, other governmental agencies, local communities, and user groups; assist in the logistics of a citizen's participation process; evaluate and advise on the feasibility of trail development on each given alignment.
- **Land Management Staff Support:**
Perform field inspections of State Trail properties to identify possible trespass, encroachment, or illegal uses, and to verify leased areas; determine and verify State Trail boundaries; Investigate, evaluate, and resolve illegal uses of P&T lands; draft leases and agreements; review land use applications and environmental review documents for impacts to P&T administered lands.

For more information and how to apply visit www.career.state.mn.us Posting # 13DNR000862

WATERSHED DISTRICT ADMINISTRATOR	
Department:	Comfort Lake-Forest Lake Watershed District
Closing Date:	December 31, 2013
Location(s):	Forest Lake, MN
Who May Apply:	All qualified job seekers
Responsibilities:	<p>The District Administrator oversees the District's Mission and goals and represents the District's interest in the community. The Administrator oversees the administration of the District offices, and in conjunction with the District President and Board, the Administrator provides leadership and coordination in determining the District annual and long range budgets, programs and priorities. The Administrator also provides various technical services as required.</p> <p>MAJOR AREAS OF ACCOUNTABILITY:</p> <ul style="list-style-type: none"> ● Coordinates program activities with agencies and organizations of interest to the District. Pursues cooperative ventures to expand and enhance District programs. ● Administers finance and accounting system and coordinates with accounting services consultant to maintain records, prepare checks for payment of invoices and prepare financial statements for the

- Board. Ensures all operations are conducted within budgeted guidelines.
- Assists in the preparation of the annual audit as needed.
- Prepares and distributes monthly reports to the Board and staff regarding activities, accounting and current projects in a timely manner.
- Coordinates and develops District goals, policies, annual work programs, budgets and priorities.
- Seeks approval of plans from the Board and communicates approved plans to staff.
- Maintain communications with other watershed districts, governmental organizations, and community leaders to obtain information pertinent to District operations.
- Reviews and distributes District mail and forwards to staff as appropriate.
- Serve as spokesperson, maintain website, and write articles and press releases which clearly
- communicate District activities, policies and mission. Represent the District at meetings, seminars, and on committees.
- Manages District office space and equipment providing proper equipment for staff and ensures maintenance of equipment and security.
- Ensures that District records, files and public informational materials are maintained and current.
- Oversees outside contractors, consultants, such as: the attorney, accountant, engineer and others
- projects and contracts to ensure they follow District's Water Management Plan and project objectives and meet budgetary requirements.
- Facilitates written and verbal informational presentations to local governments and agencies as needed for compliance with regulatory/legal requirements and public relations effort.
- Oversees District permit program: Coordinate permit applications and project reviews with consulting engineer, regulatory agencies, cities, and applicants.
- Oversees grant projects and accounting and prepares necessary reports to grant sources in an accurate and timely manner.
- Prepare District's annual report on activities and coordinates the financial audit, and ensures these reports meet statutory requirements.
- Prepares Board agendas and meeting packets, and participate in monthly Board meetings.
- Propose annual work plan, budget, contract renewals, District projects, and revisions of Watershed Management Plan.
- Participates on various outside committees for the District as needed to provide visible presence of the District in various agencies, projects, etc.
- Develops and oversees District water quality and data collection programs including the analysis and interpretation of data.
- Develops and oversees District water quality cost-share/incentive programs including the residential, community, agricultural-rural land, and urban stormwater retrofit programs.
- Oversees the preparation of the annual monitoring plan and ensures that it is implemented throughout the year.
- Provides leadership to District committees and the District's Advisory Committee.
- Prepares and/or reviews technical studies completed on behalf of the District to ensure they are completed in a timely, accurate manner.
- Other duties as assigned.

For more information and how to apply visit the [Comfort Lake-Forest Lake](#)

[Watershed District](#) website.

WATER QUALITY COORDINATOR

Department:	Minnesota Department of Agriculture
Closing Date:	January 3, 2013
Location(s):	Rochester, MN
Who May Apply:	All qualified job seekers
Responsibilities:	<p>Close working relations with crop producers, crop advisors, fertilizer dealers, SWCD and NRCS staff, university researchers, and extension educators. Opportunity for individual creativity and pursuing new techniques and technologies. Contributes to Minnesota's quality of life through improved water quality. Part of a close-working and dedicated team involved in a wide mix of activities including design and implementation of field demos, one on one consultations, and presentations at field days and conferences. Opportunities and budget for professional development. Competitive salary, excellent benefits, state of the art equipment, and strong program support.</p> <p>This position will be filled as either a Soil Scientist 1 (13AGR000125) or Soil Scientist 2 (13AGR000124) based on the qualifications of the selected candidate</p> <p>This position will be responsible for preventing and minimizing degradation of water quality in southeast Minnesota through the promotion, evaluation, and development of crop nutrient best management practices (BMPs) (www.mda.state.mn.us/nitrogenbmps) and Alternative Management Tools (AMTs). This position will also provide educational opportunities and technical assistance to crop producers, agricultural professionals, and local government officials located in areas with known or potential water contamination from nitrates, such as municipal drinking water source water protection areas, areas of elevated nitrate in private wells, and state groundwater management areas. The scope of the position's work is guided by the Minnesota Nitrogen Fertilizer Management Plan.</p> <p>www.mda.state.mn.us/chemicals/fertilizers/nutrient_mgmt/nitrogenplan.aspx</p> <p>For more information and how to apply visit www.career.state.mn.us Posting # 13DNR000125 or 13DNR000124</p>

NR FORESTRY REGIONAL SPEC, INSECT AND DISEASE

Department:	Forestry/Central Office, Minnesota Department of Natural Resources
Closing Date:	January 13, 2014
Location(s):	St. Paul, MN
Who May Apply:	All qualified job seekers
Responsibilities:	<p>This position exists to manage the Forest Health Programs and the Urban and Community Forestry Programs in the Central Region.</p> <p>Responsibilities include:</p> <p>Collaborate with the State Forest Health Implementation Team to design, develop, and implement a comprehensive Minnesota Forest Health Program which offers</p>

training, materials, and assistance to Department of Natural Resources staff. Provide administrative and technical oversight of the Region Forest Health Program; develop and manage the Urban and Community Forestry Program; and design, coordinate and implement forest health surveys and assessments.

Develop, analyze and interpret forest health information and management strategies to ensure management and the public is informed through public presentations, radio, television, news articles and scientific publications. Develop and deliver educational/informational resources and publications to various audiences to integrate and implement ecosystem-based pest management practices and educate selective and proper use of pesticides. Coordinate training activities with other divisions and agencies.

Operational Support: Monitor the work of Forestry Area Staff. Develop and deliver educational programs/materials. Train natural resource staff in the administration and implementation of forestry programs.

Formal Training: Complete formal Division of Forestry classroom and field training sessions as assigned.

Frequent travel is required to implement the Forest Health Program across the entire Central Region, and at times statewide.

For more information and how to apply visit www.career.state.mn.us Posting # 13DNR000865

AGRIC ADVISOR, AGRICULTURAL CHEMICALS

Department:	Minnesota Department of Agriculture
Closing Date:	January 21, 2014
Location(s):	St. Paul, MN
Who May Apply:	All qualified job seekers
Responsibilities:	This position exists to provide project management to and the cleanup of sites contaminated with agricultural chemicals using the authorities established under state and federal laws. Contaminated sites must be investigated and cleaned up to prevent adverse effects on public health, welfare and the environment. For more information and how to apply visit www.career.state.mn.us Posting # 13AGR000126

INTERDISCIPLINARY: RESEARCH ECOLOGIST/ENTOMOLOGIST/BOTANIST/AGRONOMIST (POSTDOC RESEARCH ASSOCIATE)

Department:	Agricultural Research Service, MDA
Closing Date:	September 30, 2014
Location(s):	Morris, MN
Who May Apply:	All qualified job seekers
Responsibilities:	The incumbent will develop a database and GIS-type model of pollen and nectar

production for a wide variety of oilseed and legume crops that are adapted to the Upper Midwest and Northern Great Plains. Methods will include diurnal and seasonal analyses of individual flowers, biotic and abiotic influences on nectar and pollen production, and landscape simulations of daily and seasonal unit-area production given varying acreages of differing crop assemblages. The incumbent will sample plant materials and pollinator populations in field settings. The incumbent will operate agency vehicles as needed to travel to field sites.

For more information and how to apply visit

<https://www.usajobs.gov/GetJob/ViewDetails/354271100>

"THERE ARE TWO SPIRITUAL DANGERS IN NOW OWNING A FARM. ONE IS THE DANGER OF SUPPOSING THAT BREAKFAST COMES FROM THE GROCERY STORE, AND THE OTHER THAT HEAT COMES FROM THE FURNACE."

- ALDO LEOPOLD

Please register at the Minnesota River Watershed Alliance's bulletin board at <http://mail.mnsu.edu/mailman/listinfo/mrwa/> to receive regular updates on what is happening in the Minnesota River Basin.