



FUNdamentals of Photography – Captive Moments

Deborah Rose/DNR Staff Photographer

About me



- DNR Photographer since May 1998 (Information Officer)
- MN Pollution Control Agency – 5 years (Information Officer)
- Bachelor of Science U of M – Applied Design and Art History
- Graduate School U of M School of Journalism, photojournalism-2 years

Bear research

Purpose of Photography



Wildlife Wing, DNR Building, State Fair

- Document
- Inform, educate and promote issues and programs
- Tell DNR stories
- Capture moments

Purpose of Photography

Photographs can be – *should be* -used in (but, of course, not limited to):

- publications
- displays
- news releases
- social media
- web sites
- other communications projects to promote, educate and inform the public about your agency's events and issues



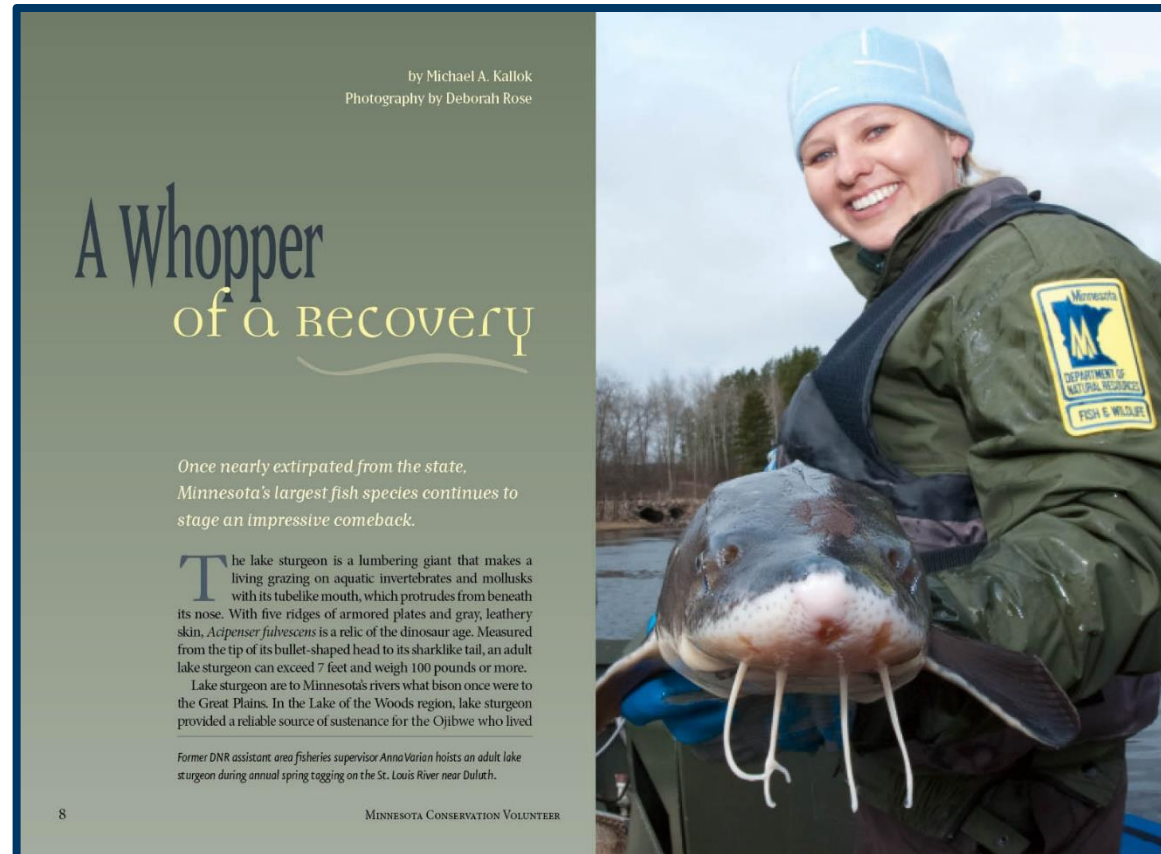
Inspecting for White-nose syndrome

Purpose of Photography



It's more than just "taking pictures"

Purpose of Photography



It's **Visual Communication**

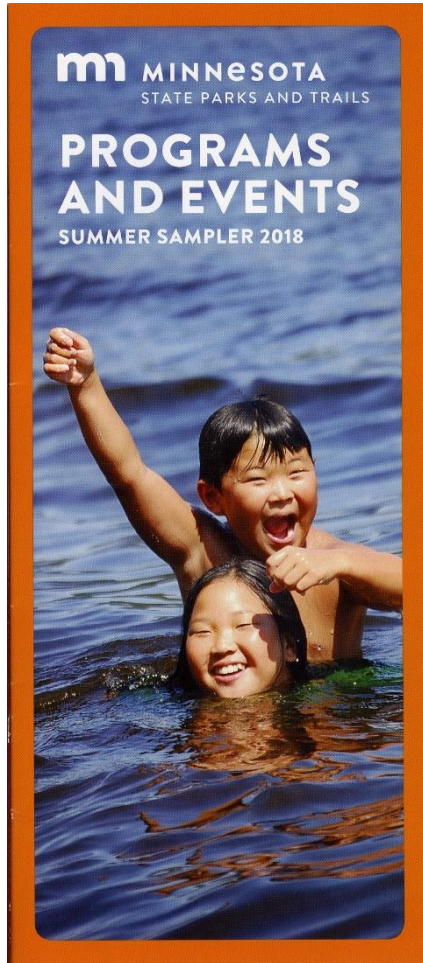
DNR photography provides visual support to the DNR mission and our efforts to communicate that mission.

Middle child of communications?

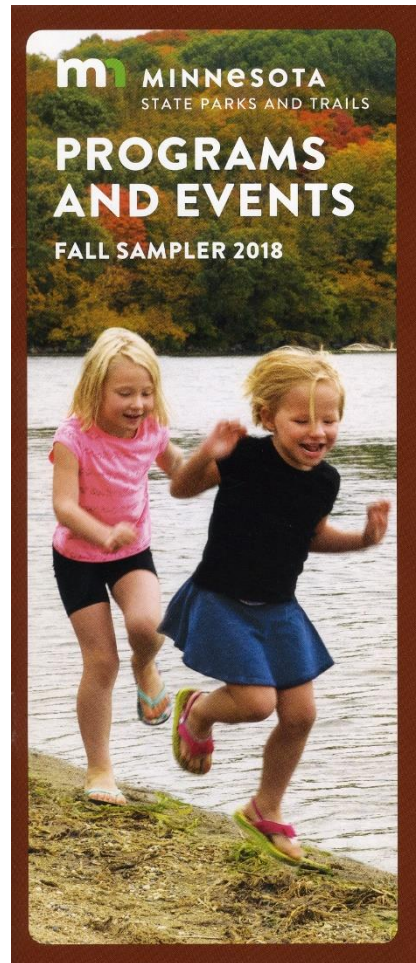
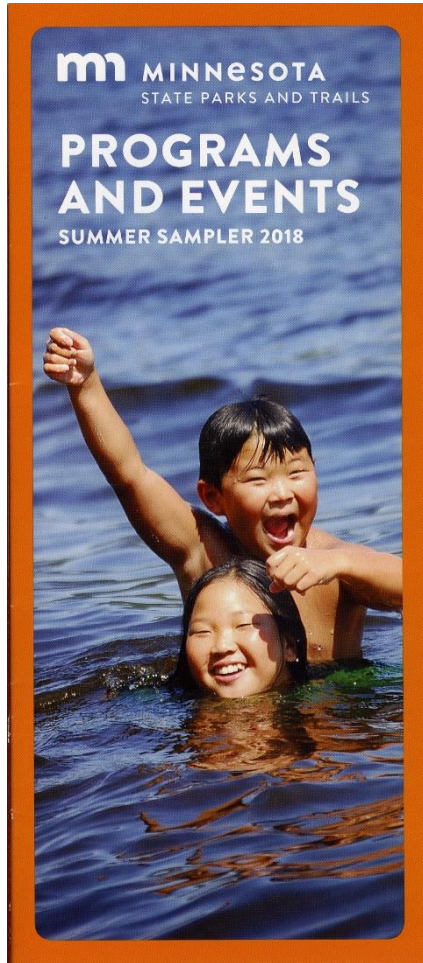


Everyone agrees it's important, but doesn't get as much attention.

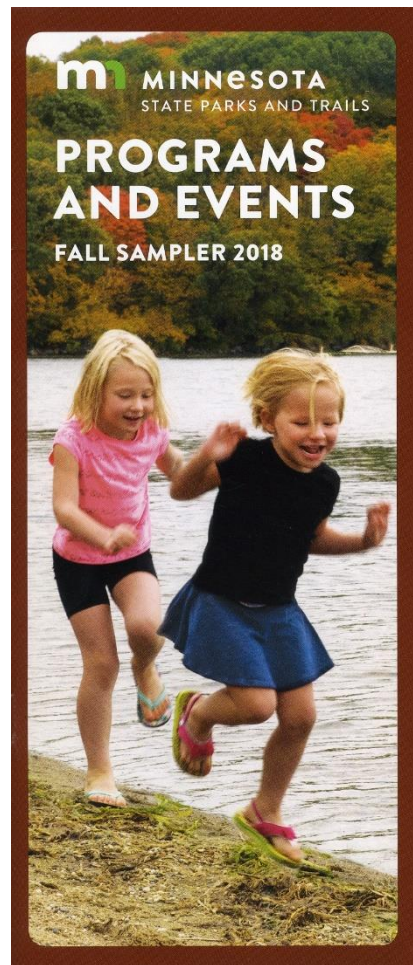
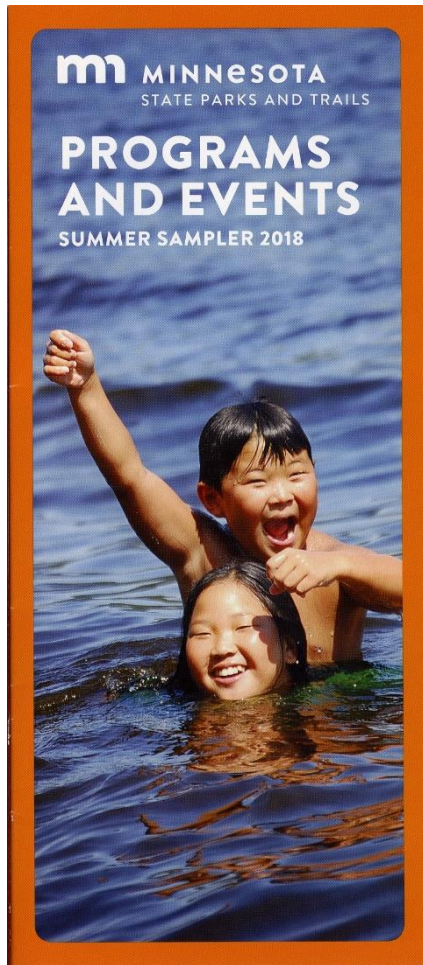
One Minnesota



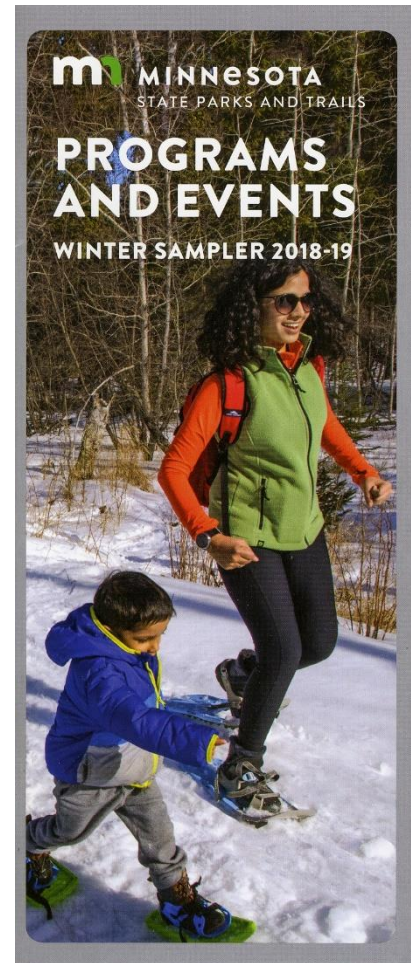
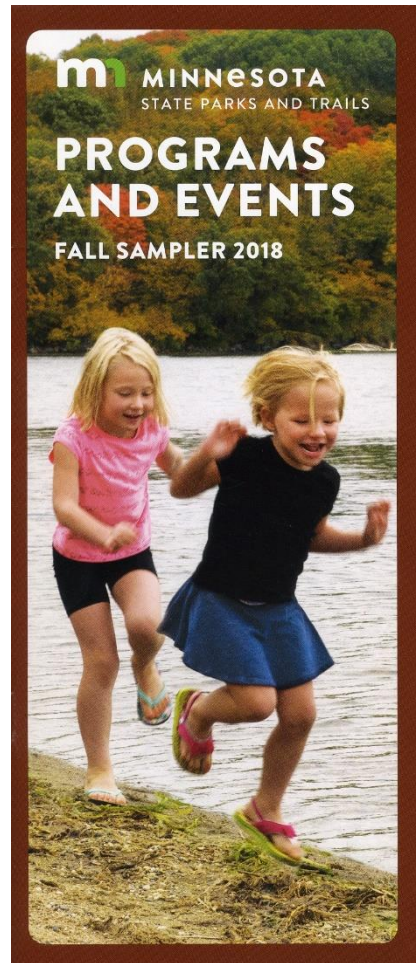
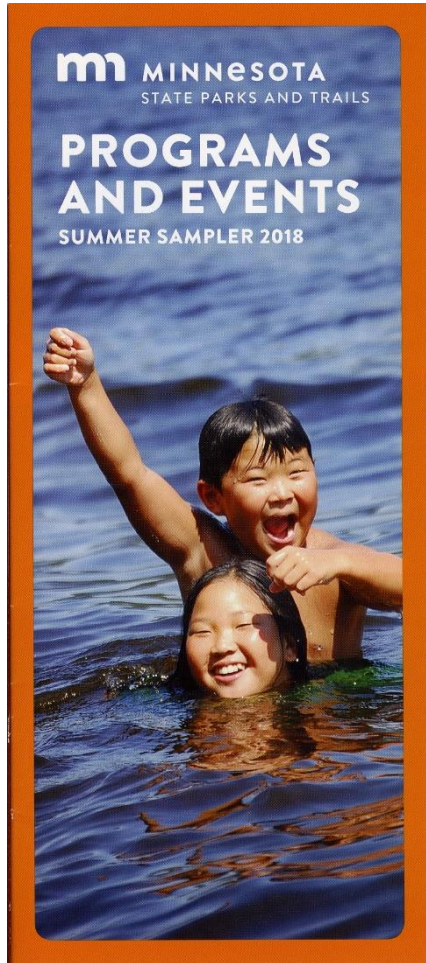
One Minnesota

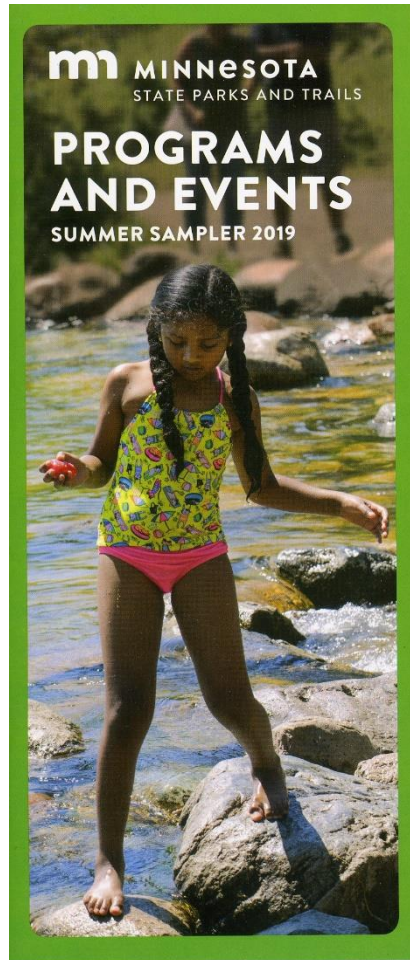


One Minnesota

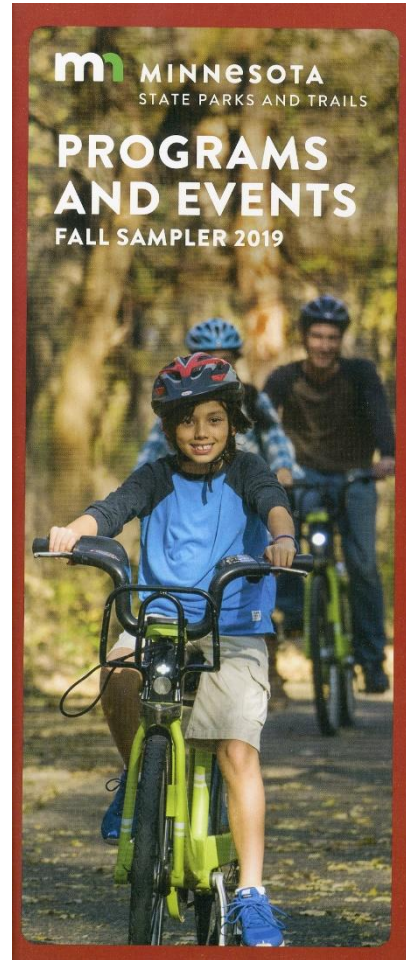
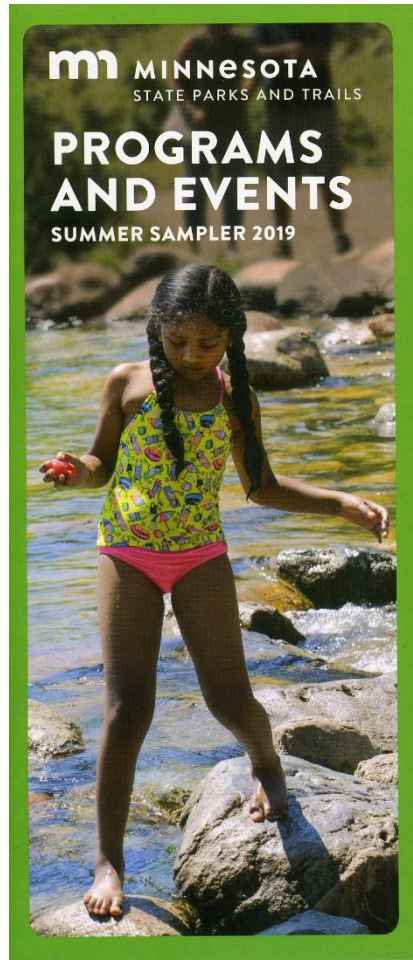


One Minnesota

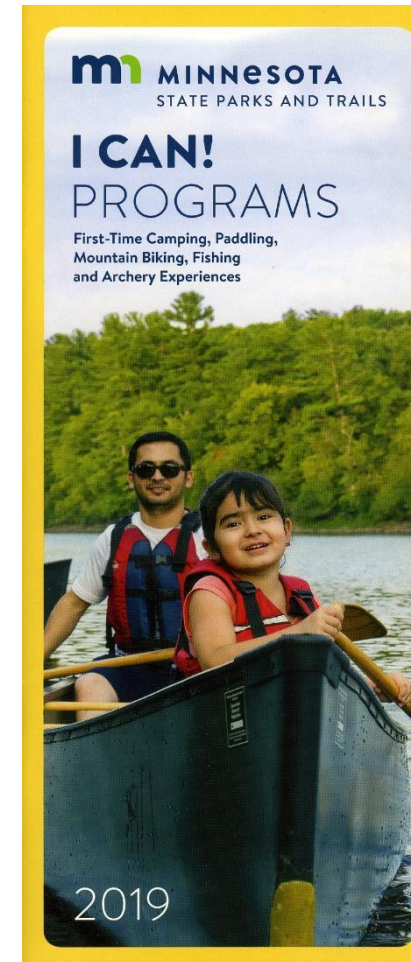
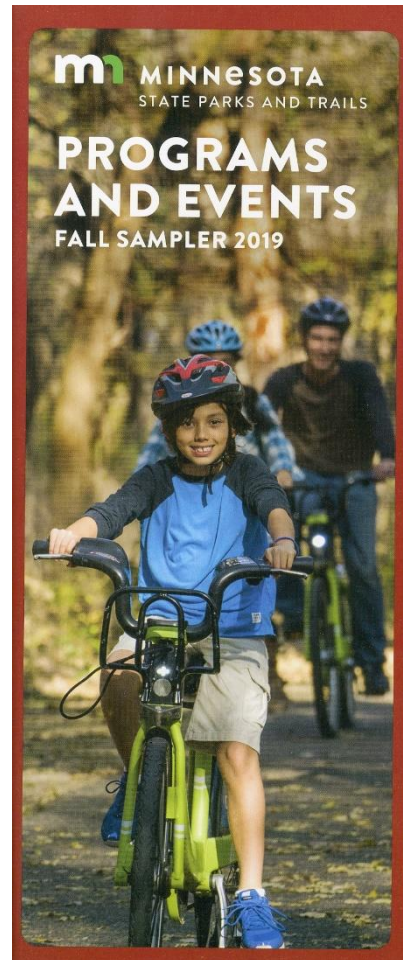
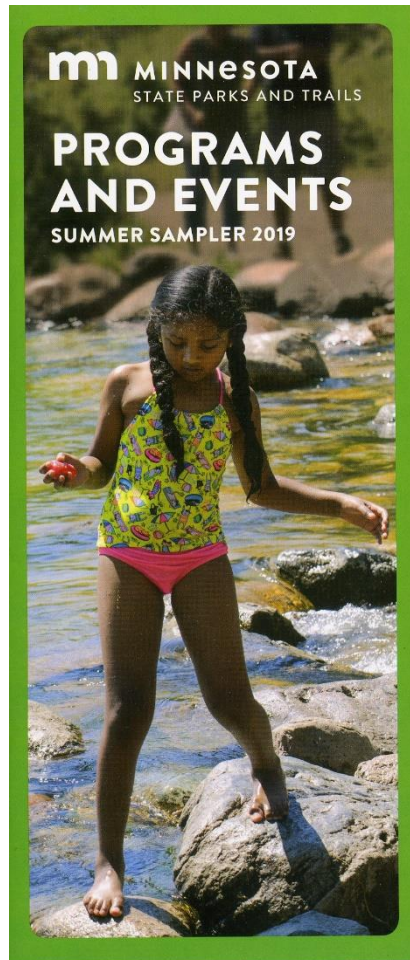




One Minnesota



One Minnesota



One Minnesota





I can PADDLE!

- Wide variety of entry-level canoeing and kayaking programs.
- Learn the skills necessary to safely venture onto Minnesota's lakes and rivers with ease.
- Use of a canoe/kayak, paddles, and life jackets included.
- Small group sizes – you'll get the attention you need to develop your skills.

CANOEING ON THE LAKE FOR AGES 5 AND OLDER

These programs teach the basics of canoeing on lakes, from planning a safe trip to launching the canoe to paddling efficiently.

- \$25 per canoe (up to three people per canoe; two paddling and one sitting in the middle).

DATE	TIME	LOCATION
Thurs., June 6	6 p.m.	William O'Brien State Park
Sun., June 8	10 a.m.	Rice Lake State Park
Sun., June 9	10 a.m.	Sakatah Lake State Park
Thurs., June 13	6 p.m.	Fort Snelling State Park
Sun., June 16	10 a.m.	Lake Maria State Park
Thurs., June 20	6 p.m.	William O'Brien State Park
Thurs., June 27	6 p.m.	Fort Snelling State Park
Sun., July 7	10 a.m.	Lake Maria State Park
Thurs., July 11	6 p.m.	Fort Snelling State Park
Sun., July 14	10 a.m.	St. Croix State Park
Thurs., July 18	6 p.m.	William O'Brien State Park
Thurs., July 25	6 p.m.	Fort Snelling State Park
Sun., July 28	10 a.m.	Moose Lake State Park
Thurs., Aug. 1	6 p.m.	William O'Brien State Park
Sun., Aug. 4	10 a.m.	Sibley State Park

SCHEDULE CONTINUES ON PAGE 5



3

4

I can FISH! en español

¡Aprende a pescar con tus niños!

- El programa I Can Fish! (en español) está diseñado para principiantes.
- Todo el equipo necesario está incluido...
- ...¡Y también el pase para ingresar al parque estatal por el día!
- Solo necesitas apuntarte con antelación, en nuestra página web o por teléfono. ¡Cupos limitados!

PARA EDADES A PARTIR DE 5 AÑOS

Los niños deben estar acompañados por un adulto.

- Gratis para niños menores de 12 años, y \$7 por adulto. No es preciso tener licencia de pesca para participar.

DATE	TIME	LOCATION
Sat., July 20	10 a.m. - Noon	Fort Snelling State Park
Sun., Aug. 4	10 a.m. - Noon	Fort Snelling State Park
Sun., Sept. 8	10 a.m. - Noon	Fort Snelling State Park



15

16

Where do we get our “talent?”

- Family (generations of DNR kids)



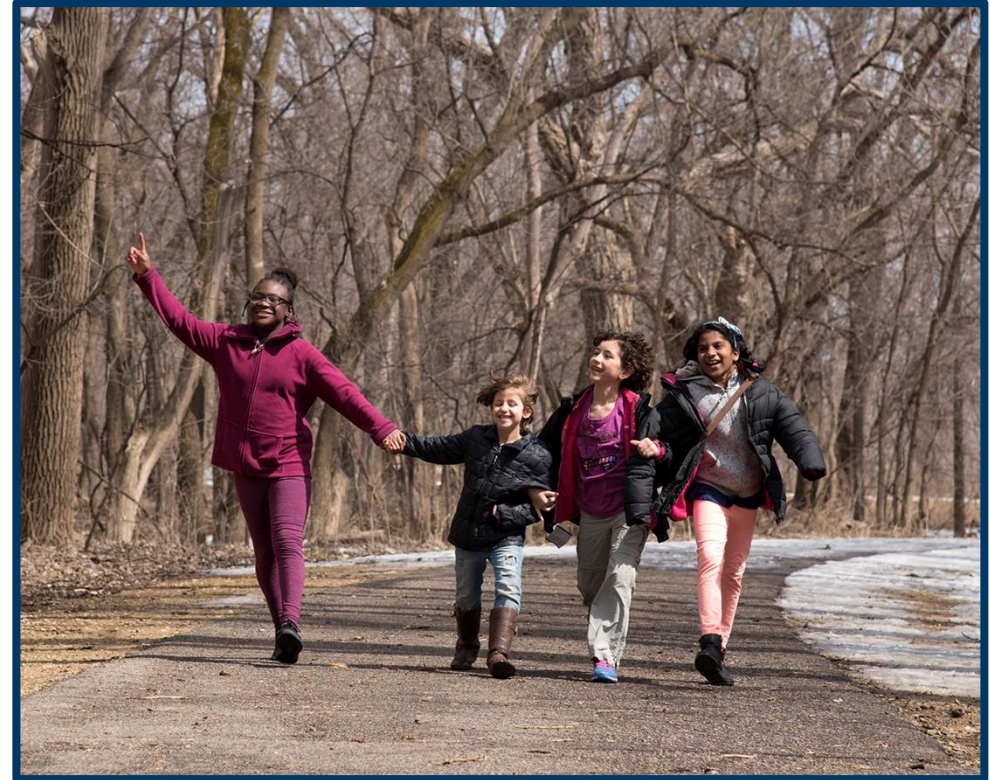
Where do we get our “talent?”

- Family (generations of DNR kids)
- Friends



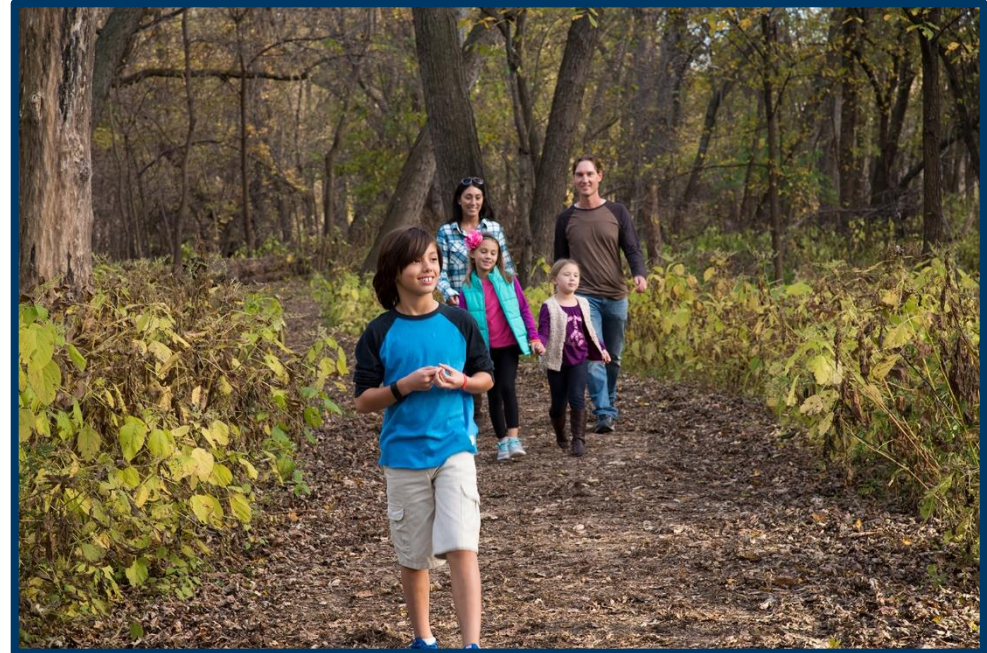
Where do we get our “talent?”

- Family (generations of DNR kids)
- Friends
- Friends of family



Where do we get our “talent?”

- Family (generations of DNR kids)
- Friends
- Friends of family
- Family of friends



Where do we get our “talent?”

- Family (generations of DNR kids)
- Friends
- Friends of family
- Family of friends
- Social media



Where do we get our “talent?”

- Family (generations of DNR kids)
- Friends
- Friends of family
- Family of friends
- Social media
- Professional models



Where do we get our “talent?”

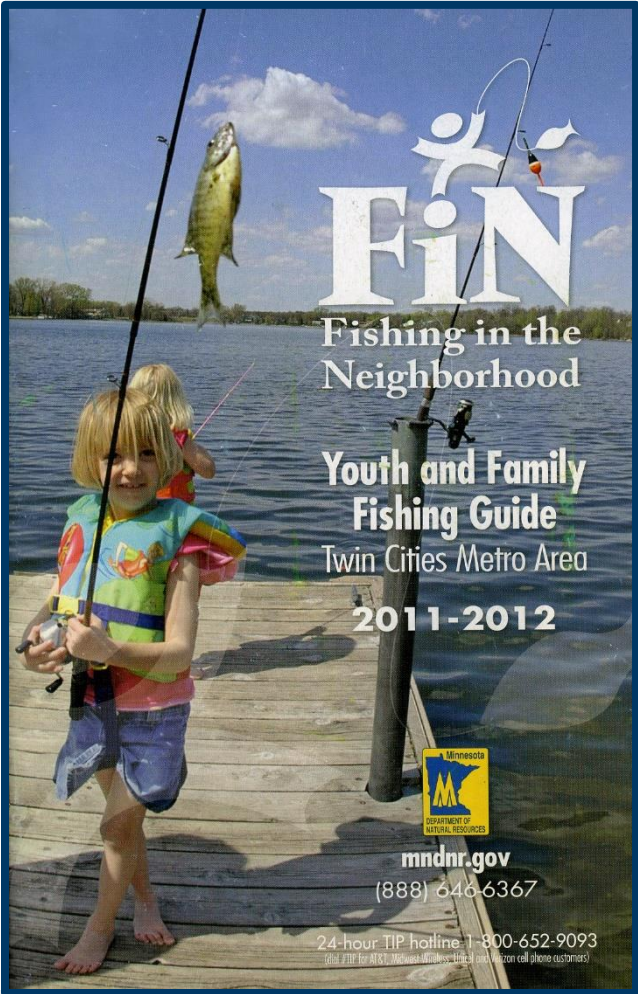
- Family (generations of DNR kids)
- Friends
- Friends of family
- Family of friends
- Social media
- Professional models
- Partnerships



Volunteers



Volunteers



Volunteers

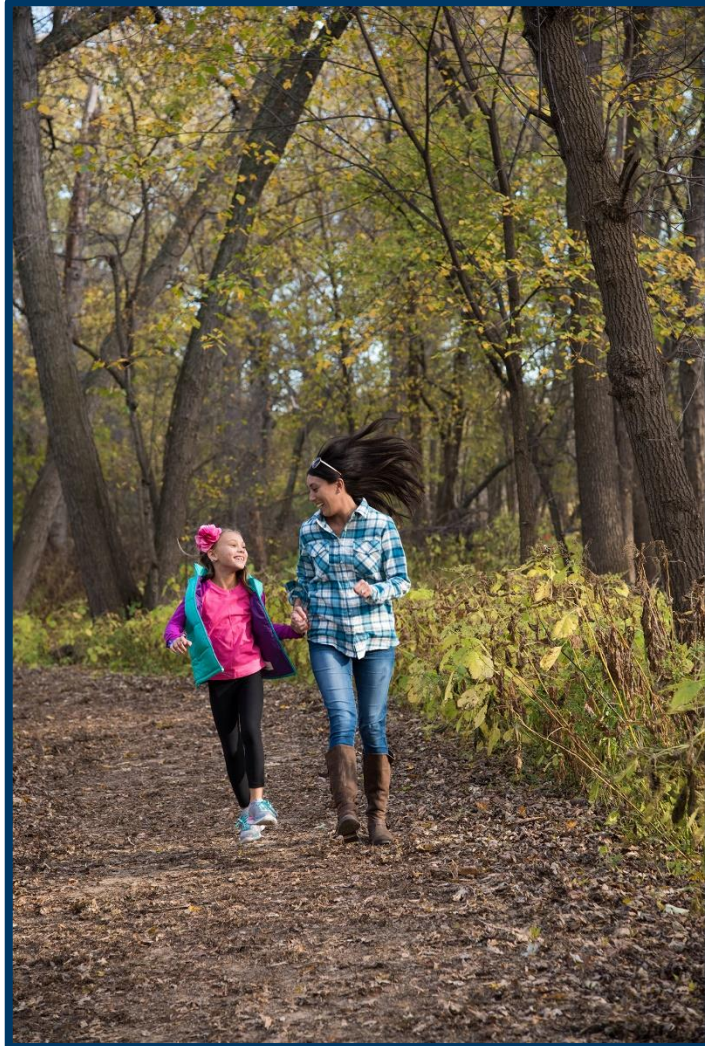


Volunteers



Itasca State Park Headwaters – State Fair banner

Models - Volunteer



Models - Volunteer



A LOVELY DAY FOR A WALK

The weather complaint quota drops substantially during Minnesota's fall months when the outdoors become the best place in the state to hang out. Vivid leaf colors, blue skies and comfortable temperatures encourage a walk. All you need is a good pair of shoes, a sweatshirt, the company of family and/or a good friend and the desire to spend time well. Consider these:

Date	Event	Location
Sept. 1	Nature Walk	Minneopa State Park
Sept. 14	Fall Colors Walk	Savanna Portage State Park
Sept. 15	Fall Fun Walk	Mille Lacs Kathio State Park
Sept. 25	Walk to Bear Paw Point	Itasca State Park
Sept. 28	Fall Color Walk	Brown's Creek State Trail
Sept. 28	Women's Fall Color Walk	Brown's Creek State Trail
Oct 5.	Timeless Trees: A River Stroll	Interstate State Park
Oct. 5	Fall Color Walk	Wild River State Park
Oct. 5	Fall Color Walk at the Bog	Big Bog State Recreation Area
Oct. 9	Hiking to 5th Falls	Gooseberry Falls State Park
Oct. 12	Autumn Color Walk	Afton State Park
Oct. 12	Falling Leaves Walk	Jay Cooke State Park
Oct. 18	Picnic Walk to the Cascades	Tettegouche State Park

Models - Volunteer



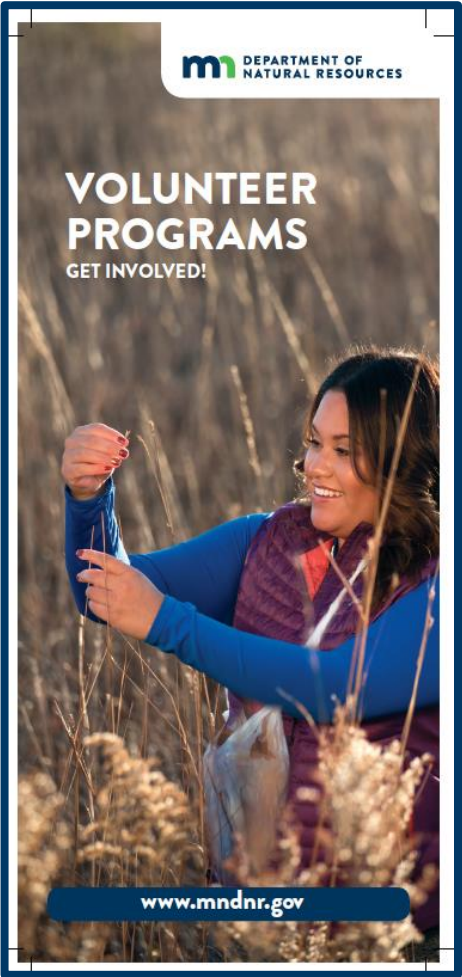
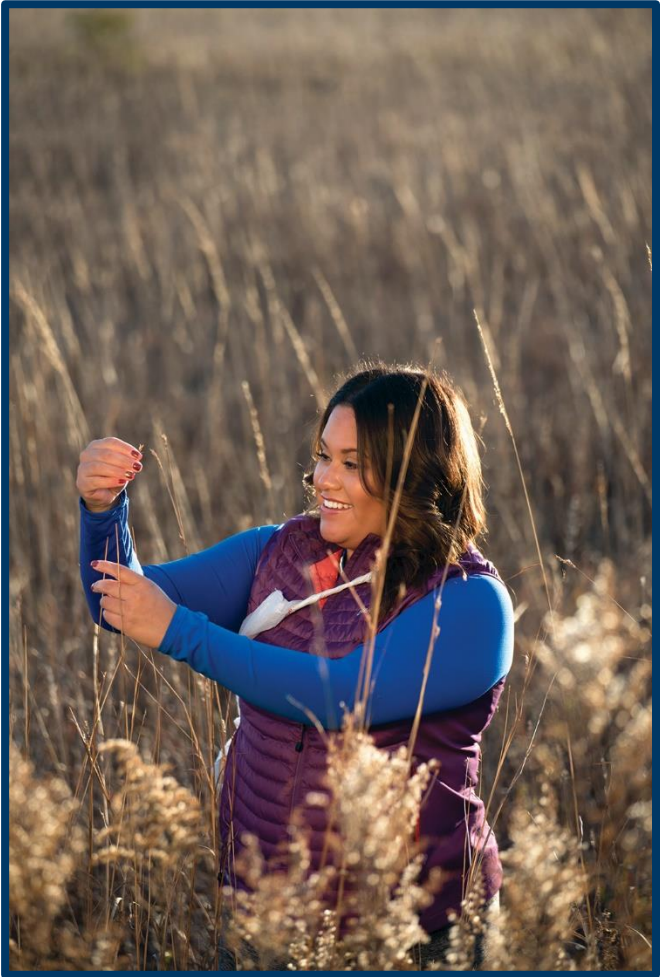
Models - Volunteer

The screenshot displays the Minnesota Department of Natural Resources website. At the top left is the logo 'm DEPARTMENT OF NATURAL RESOURCES'. To the right is a search bar with the text 'Search for...' and a magnifying glass icon. Below the logo is a dark blue navigation bar with white text for the following categories: RECREATION, DESTINATIONS, NATURE, EDUCATION & SAFETY, LICENSES, PERMITS & REGULATIONS, EVENTS & SEASONS, and ABOUT DNR. On the left side of the page, there is a 'Home >' link and a 'Popular links' section containing: Shop DNR, Buy a license, Fishing, Hunting & trapping, Jobs, State parks, Maps, LakeFinder, Events & seasons, and Your public lands. The main content area features a large banner image of a young girl in a pink shirt and green vest, smiling with her arms outstretched, surrounded by falling autumn leaves. Overlaid on the right side of the banner is the text 'You, a fall day and a big smile.' in white. Below this text is an orange speech bubble containing 'Just add nature'. At the bottom of the banner is a light orange button with the text 'Fall Color Finder >>'. In the bottom right corner of the banner image, there are navigation arrows and the number '1'.

Volunteers



Volunteers



Volunteers



Ft. Snelling State Park – Maple Syrup Program, Kao Thao, Naturalist



MAKE YOUR OWN MAPLE SYRUP

TAPPING INTO A SWEET TRADITION

Learn how to produce your own maple syrup yield by tapping maple trees in your yard and using common kitchen tools to transform sap to syrup. Many Minnesota state parks offer maple syrup programs this spring. Learn why yield varies from year to year with this temperature-dependent process. See the boiling process as the faintly sweet sap turns into maple syrup. Some naturalists even offer a taste. Maple syrup programs at **Fort Ridgely**, **Fort Snelling**, **Lake Bemidji**, **Maplewood**, **Whitewater** and **Wild River** state parks are highlighted in brown print in this brochure.



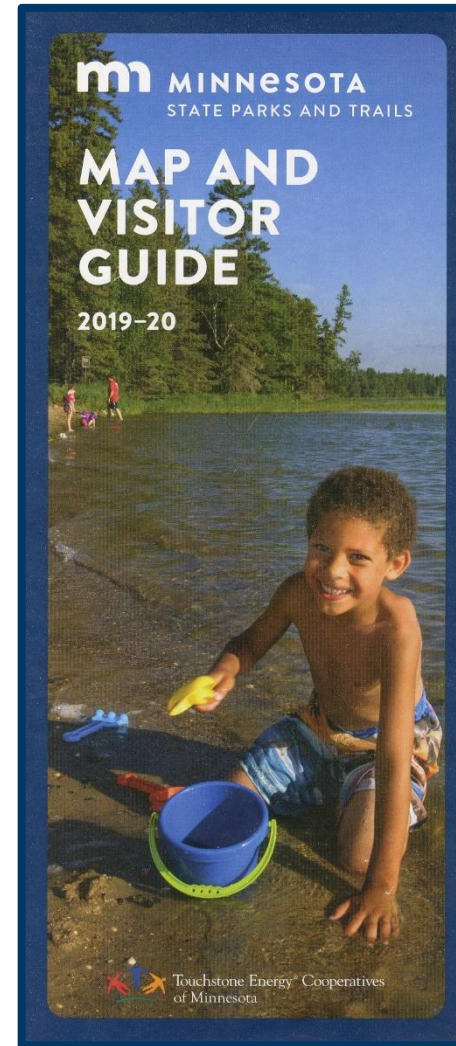
MAPLE SYRUPING AT FORT SNELLING STATE PARK

It takes about 43 gallons of sap to produce a gallon of syrup. Minnesota's American Indians still harvest maple syrup, and many sit around an iron pot over a campfire late into the night as the sap boils. That's when the handed-down stories are told in the night air. It's when the laughter can be heard for a half mile.

Park visitors



Park visitors



Itasca State Park Beach

Park visitors



Partnerships



Partnerships



ATV club – State Fair display

Partnerships



Partnerships



Partnerships



Shore fishing-Fraser Home residents

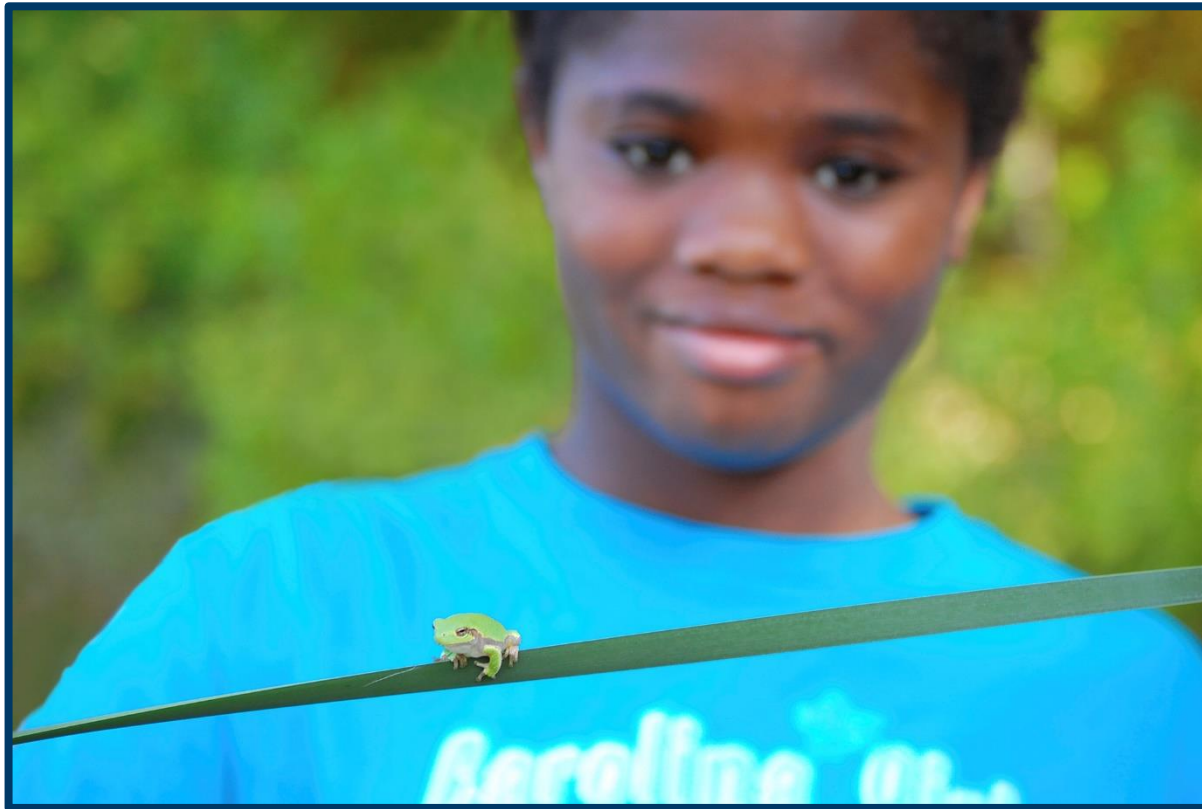
Partnerships



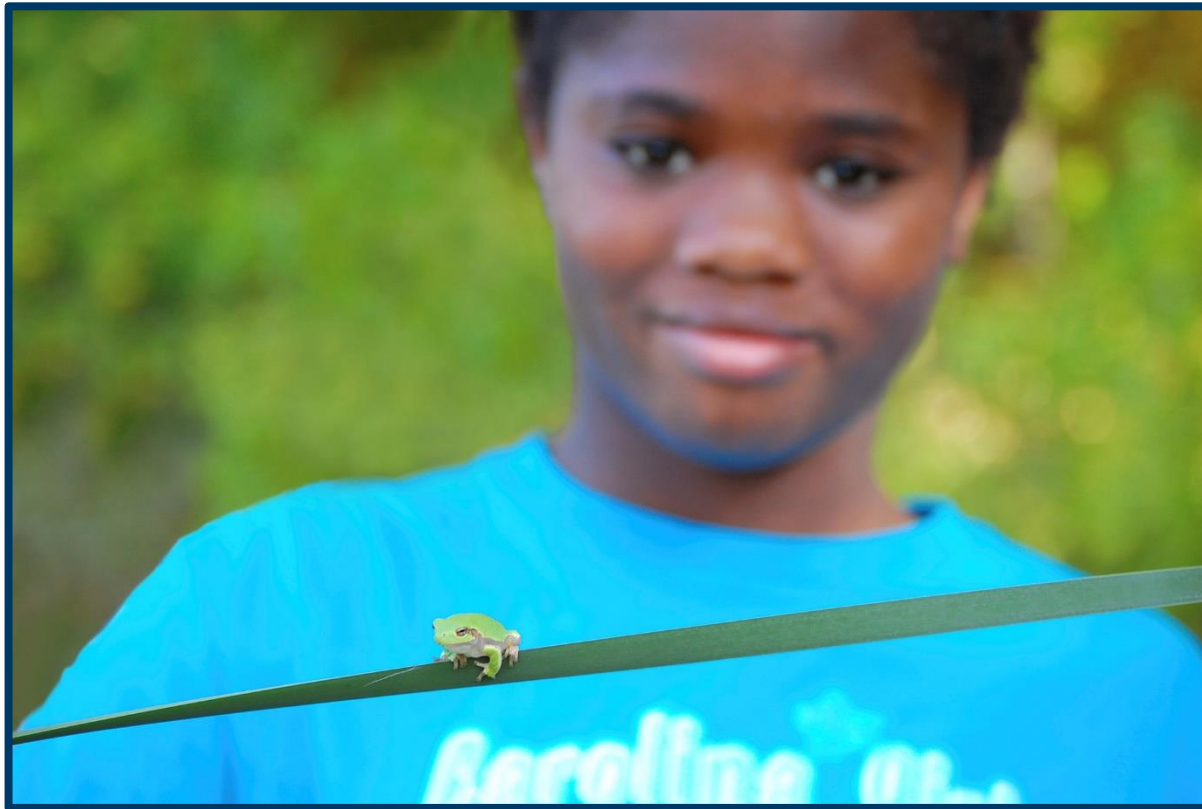
Shore fishing-Fraser Home residents



Partnerships



Partnerships



Glendalough State Park – school field trip

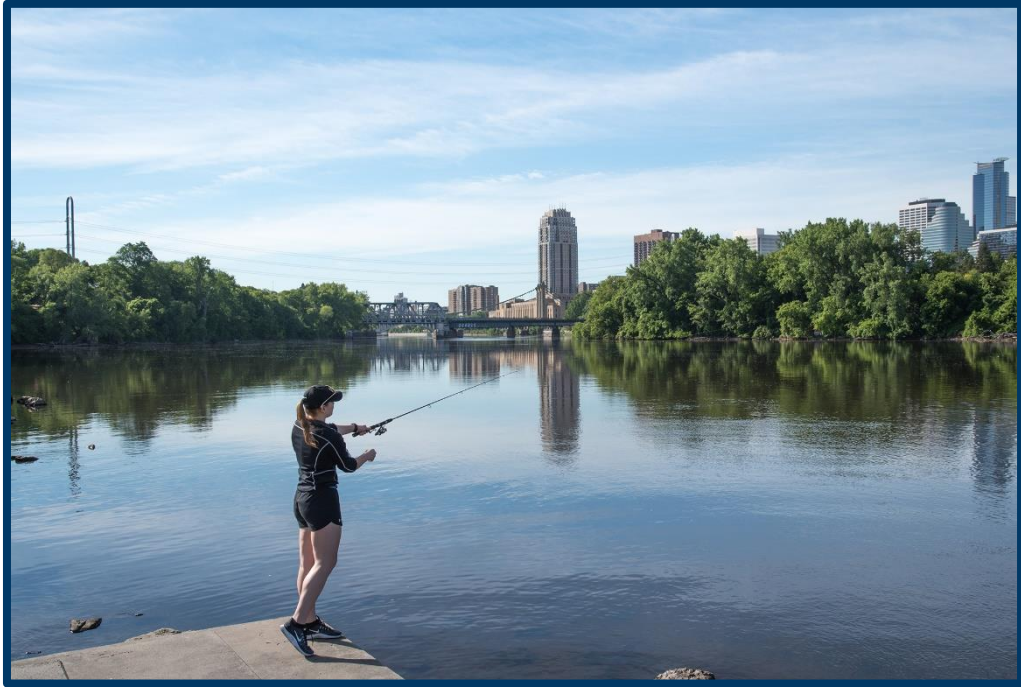


Models - professional



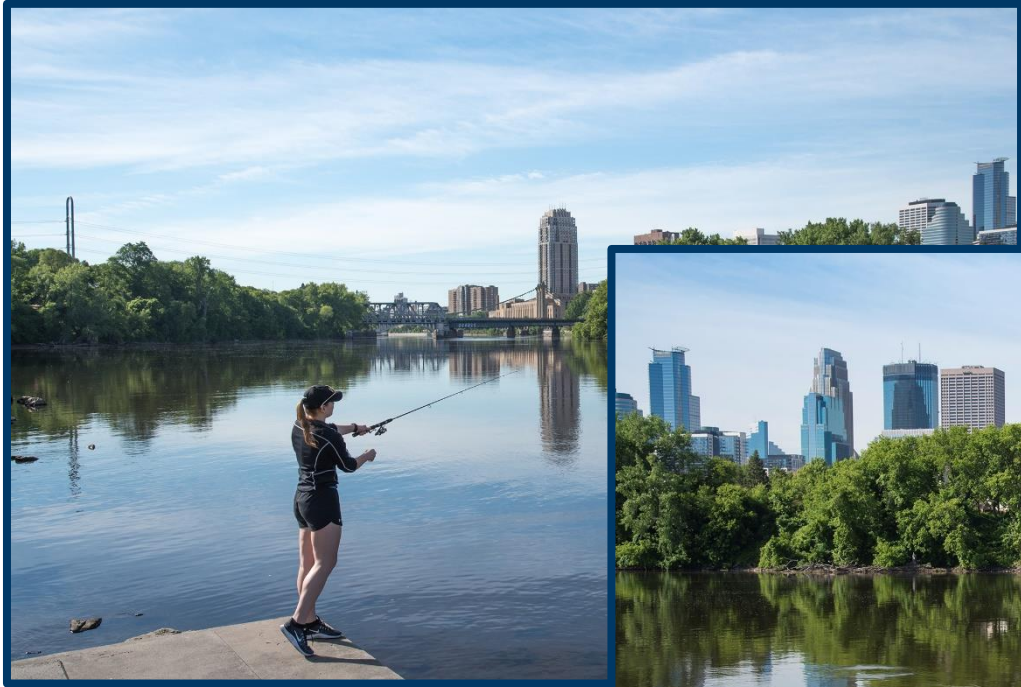
Mississippi River – Boom Island

Models - professional

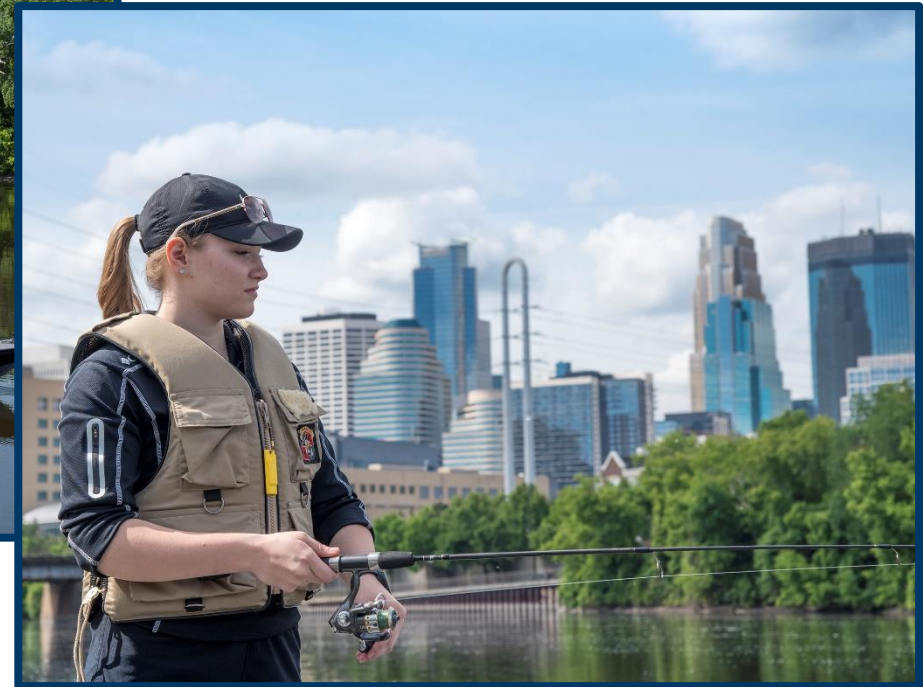
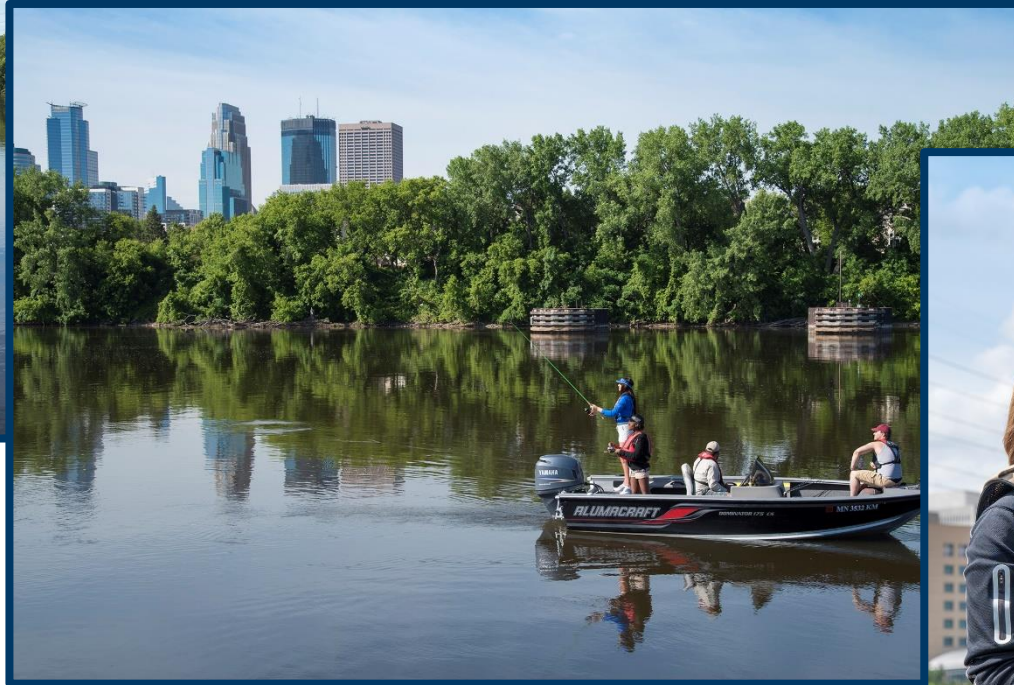
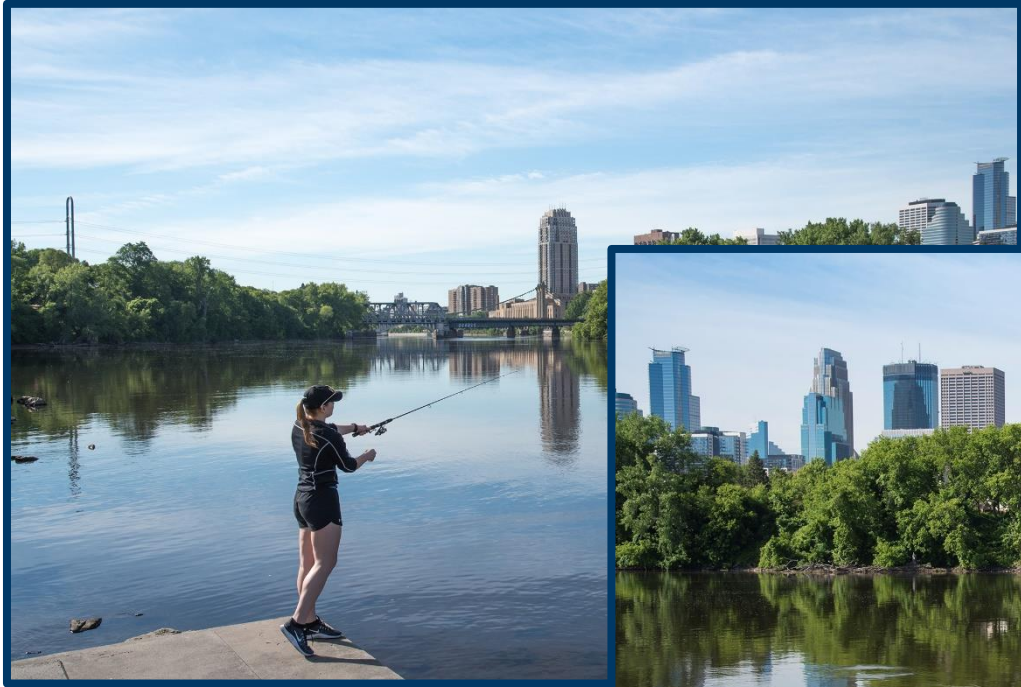


Mississippi River

Models - professional



Models - professional



Mississippi River

Models - professional



Models - professional



Models - professional



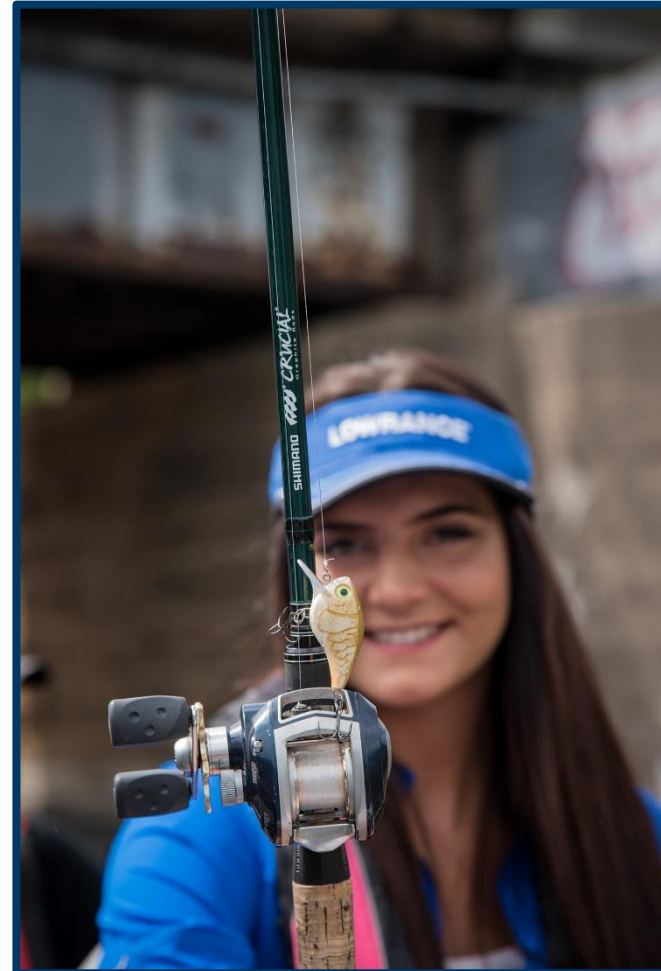
Models - professional



Models - professional



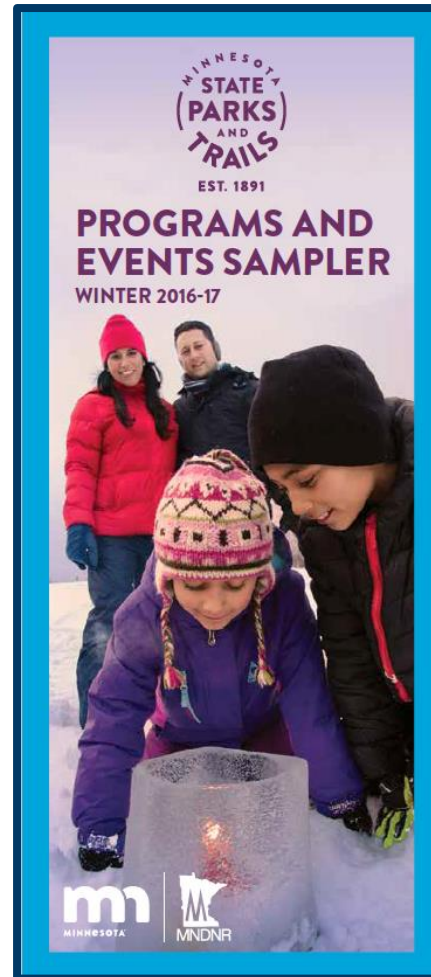
Mississippi River



Models - professional



Models - professional



Models - professional



Models - professional

The screenshot displays the Minnesota Department of Natural Resources website. At the top left is the logo with the text "DEPARTMENT OF NATURAL RESOURCES". To the right is a search bar with the placeholder text "Search for...". Below the logo and search bar is a navigation menu with the following items: RECREATION, DESTINATIONS, NATURE, EDUCATION & SAFETY, LICENSES, PERMITS & REGULATIONS, EVENTS & SEASONS, and ABOUT DNR. On the left side of the page, there is a "Home >" link and a "Popular links" section containing: Shop DNR, Buy a license, Fishing, Hunting & trapping, Jobs, State parks, Maps, LakeFinder, Events & seasons, and Your public lands. The main content area features a large banner with a purple background on the left and a photograph of three people snowshoeing on the right. The text on the banner reads "READY. SET. GO!" in large white letters, followed by "Winter in Minnesota state parks and trails..." and "PERFECTION." in smaller white letters. The photograph shows a woman in a red jacket, a child in a blue jacket, and a man in a black jacket, all smiling and snowshoeing through a snowy field. A small navigation bar with left and right arrows and the number "1" is visible at the bottom right of the photograph.

Government at work – it's people doing the work



Government at work



Government at work



Crystal Boyd, bee expert

Government at work



Crystal Boyd, bee expert



Government at work



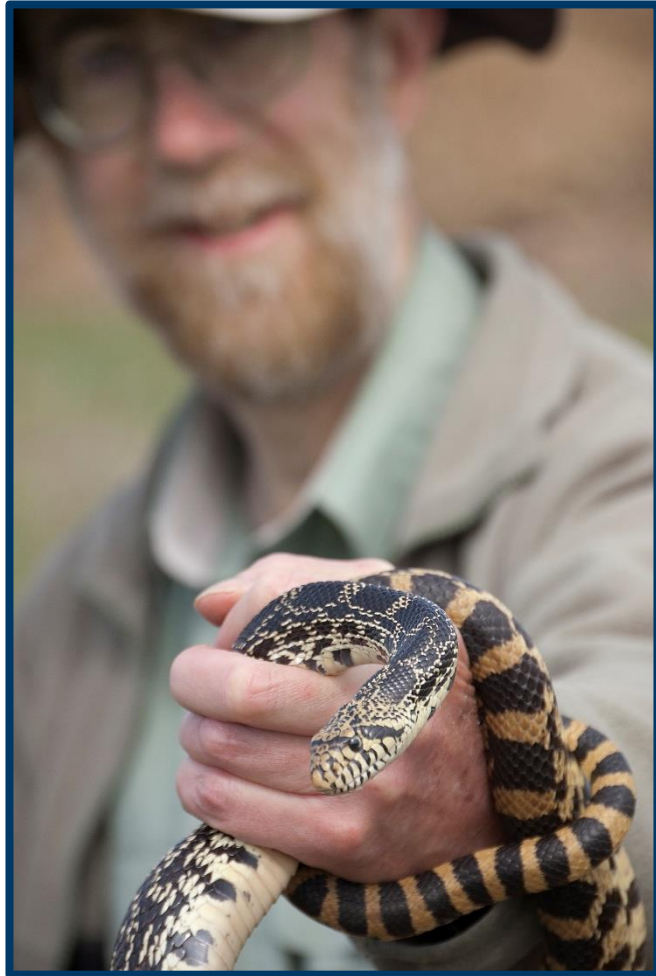
Conservation Officer Adam Block

Government at work



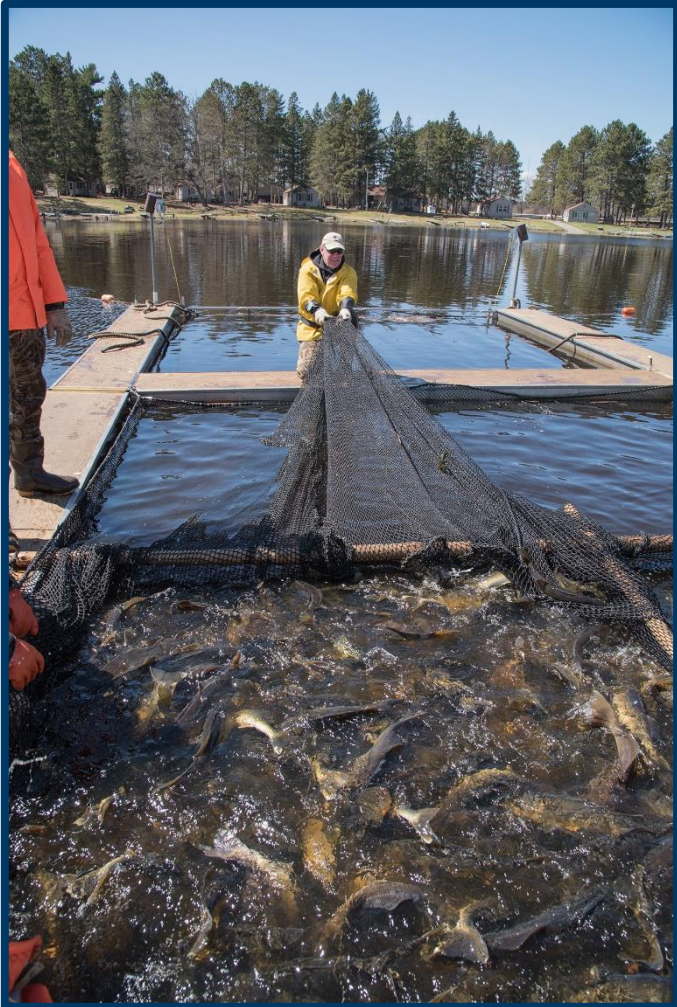
Conservation Officer Julie Siems and her dog Brandy, inspecting for zebra mussels

Government at work



Dave Crawford and Lisa Gelvin-Innvaer. Bull snake and skink research – restoring habitat

Government at work



Walleye stocking process

Government at work



Walleye stocking process

Government at work



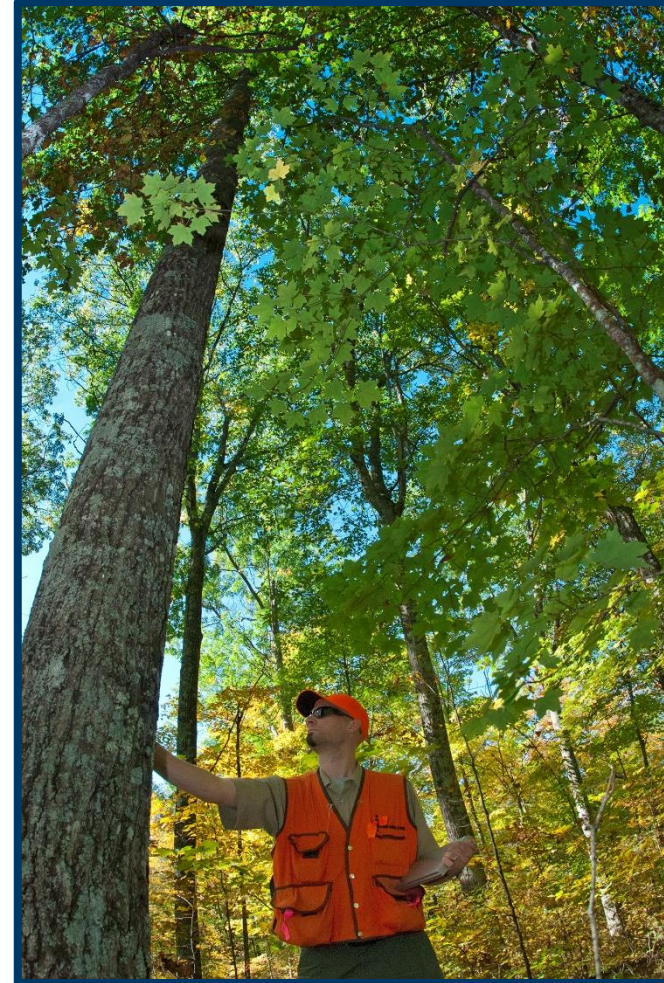
Walleye stocking process

Government at work



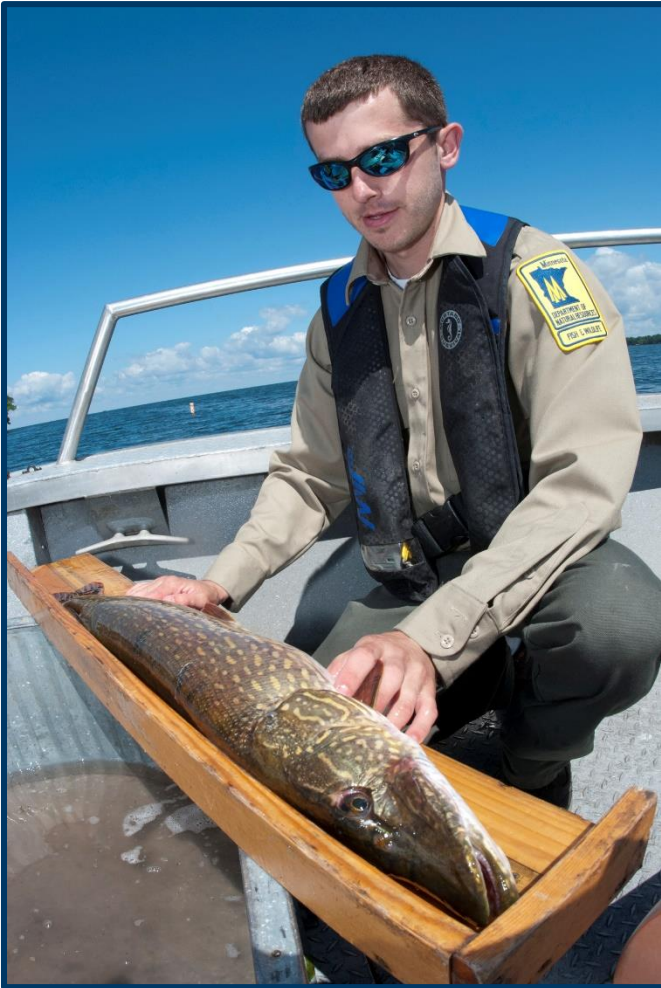
Forester Laura Murphy

Government at work



Foresters David Fraundorf and Ross Meyer

Government at work



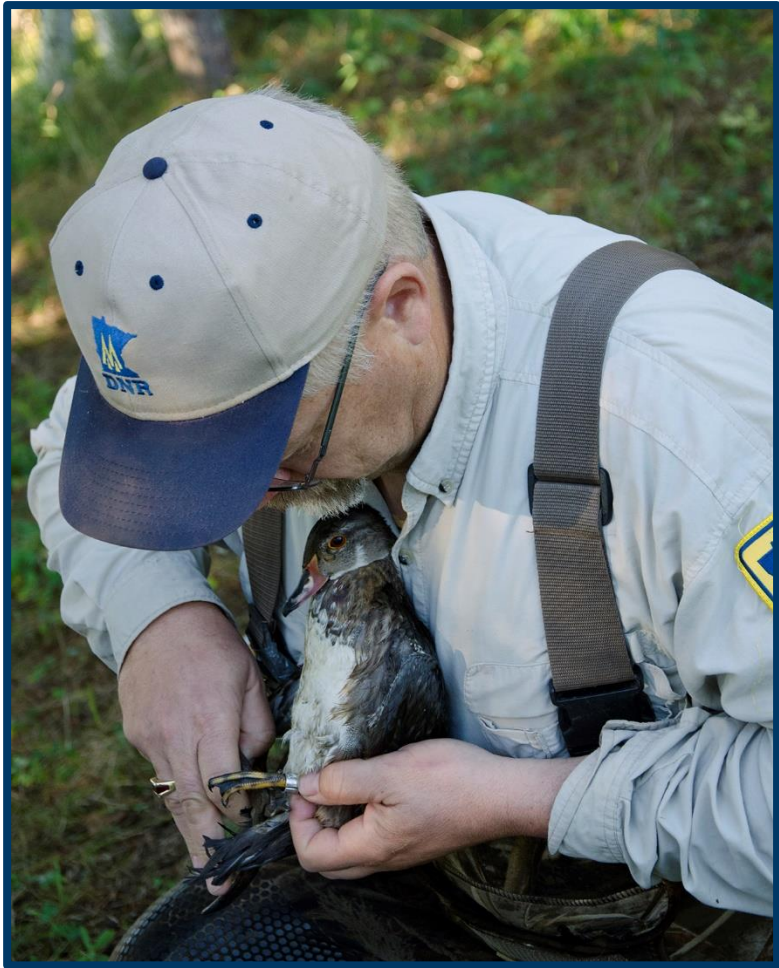
Rachel Lindgren, groundwater monitoring, and Tyler Ahrenstorff, fish diet study, Mille Lacs

Government at work



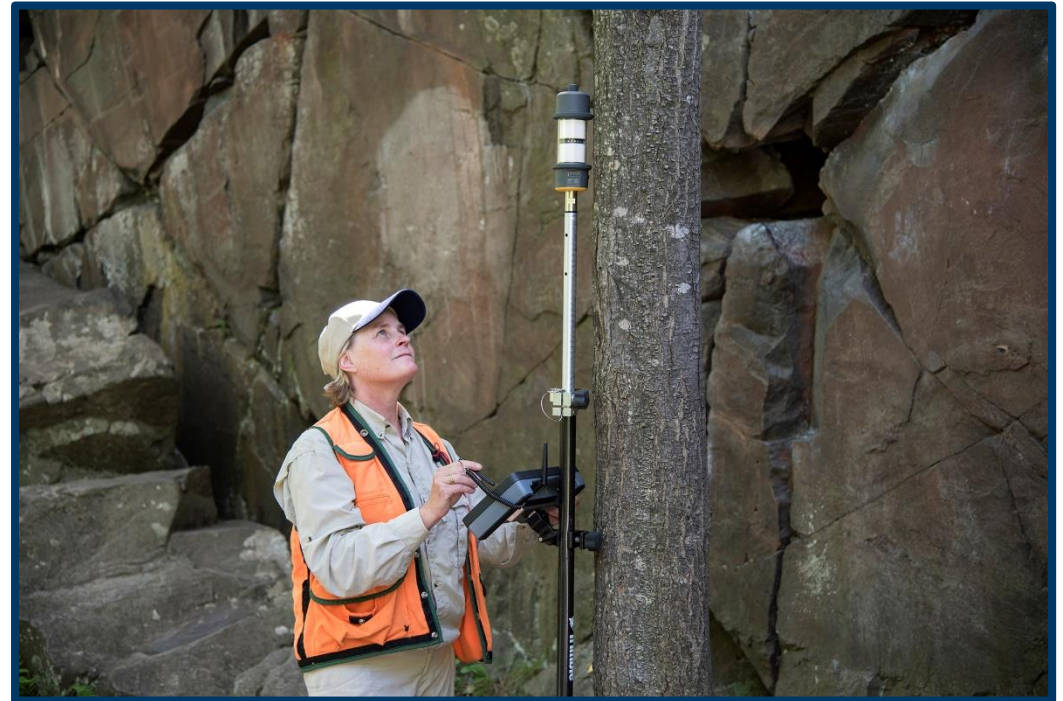
Maple syruping, Whitewater State Park, and tern monitoring, Interstate Island

Government at work



Bird flu monitoring

Government at work



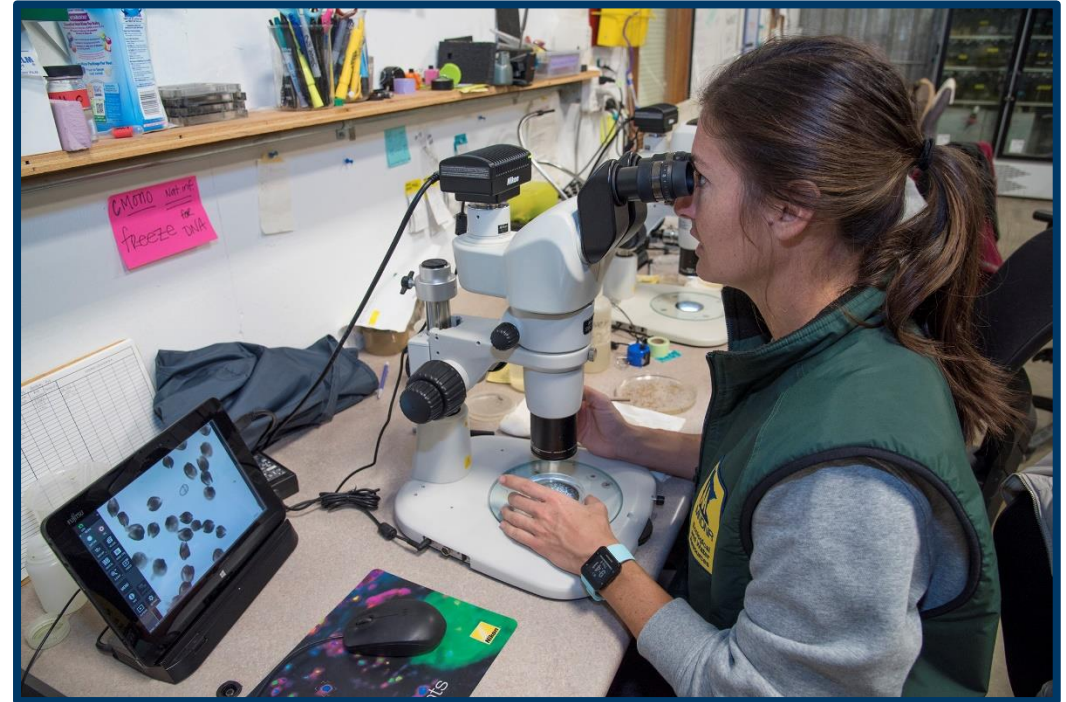
Government at work



Government at work



Government at work



Real people, real employees



Real people, real employees



Real people, real employees



Real people, real employees



ARNAUD

ENFORCEMENT

Being a conservation officer is one of the most challenging and rewarding careers you can experience, offering tremendous opportunities to advance professionally. Explore a wide range of career opportunities such as pilot, K-9 officer, recreational vehicle officer, regional training officer, and water resource enforcement officer.

As a licensed peace officer, you will be called upon to think and act independently to protect the resources, citizens, and visitors to our state.

If you enjoy spending time in the field and on the water, conservation officers are needed to enforce laws related to hunting and fishing, recreational vehicles, water and wetland violations, and public safety throughout Minnesota. If you have an interest in teaching, officers also work with youth and adults to provide firearm safety and hunter education courses, as well as snowmobile and watercraft safety training. You'll also get to use emerging technology and receive cutting-edge training to perform your job safely and effectively.

Traveling by snowmobiles, planes, boats, ATVs and trail bikes will help you reach remote locations across the state.

The Enforcement Division models efficiency, professionalism and pride. Since 1887, dedicated men and women have taken the challenge to protect and preserve Minnesota's natural resources through outreach, education and law enforcement. Join our team and continue the tradition by providing resource protection and public safety, no matter the season or location.

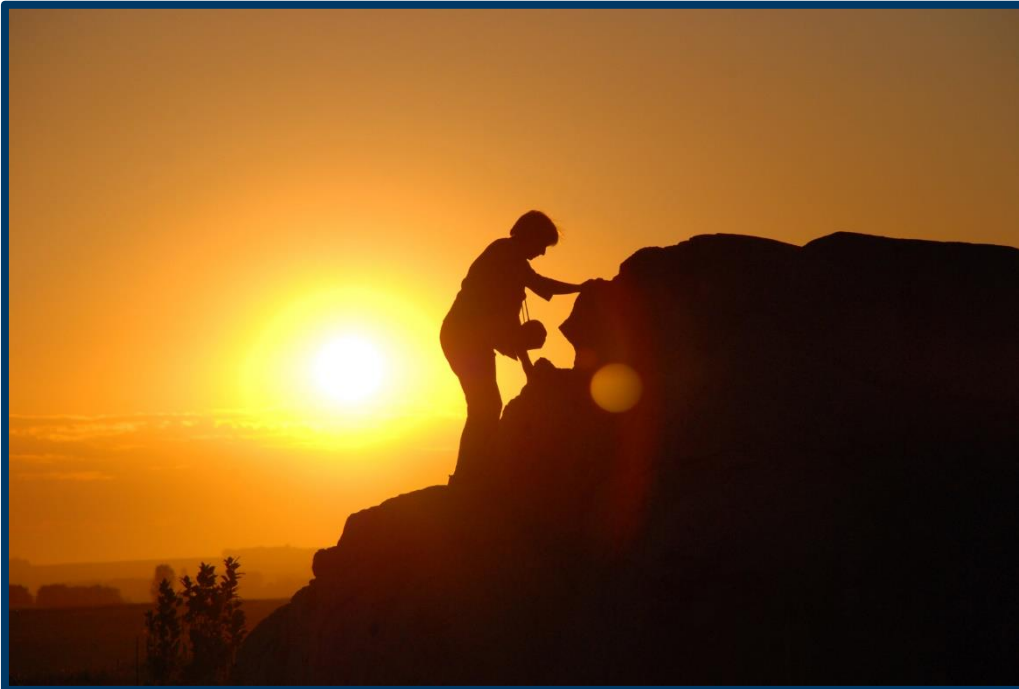
Real people real employees



Real people real employees



Silhouettes



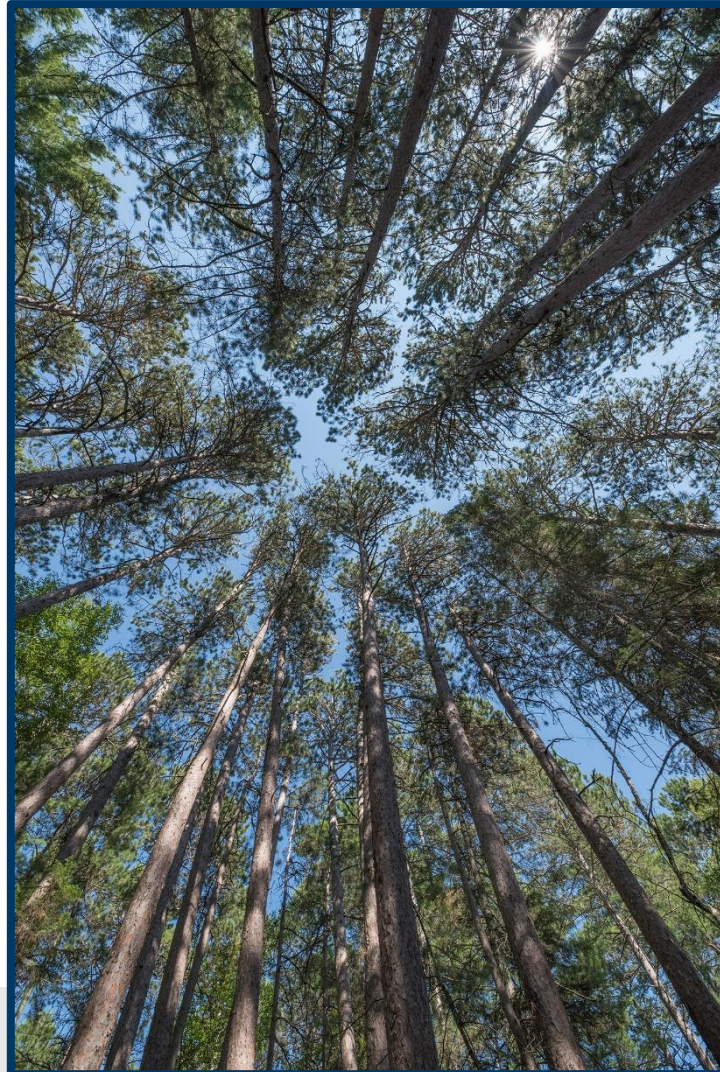
Expose for the bright background



Two photos stitched together – The North Shore



Three photos stitched together-logging site, Pillsbury State Forest



Lost 40 Scientific and Natural Area (starburst-high f-stop)

Scenics-slow shutter speed

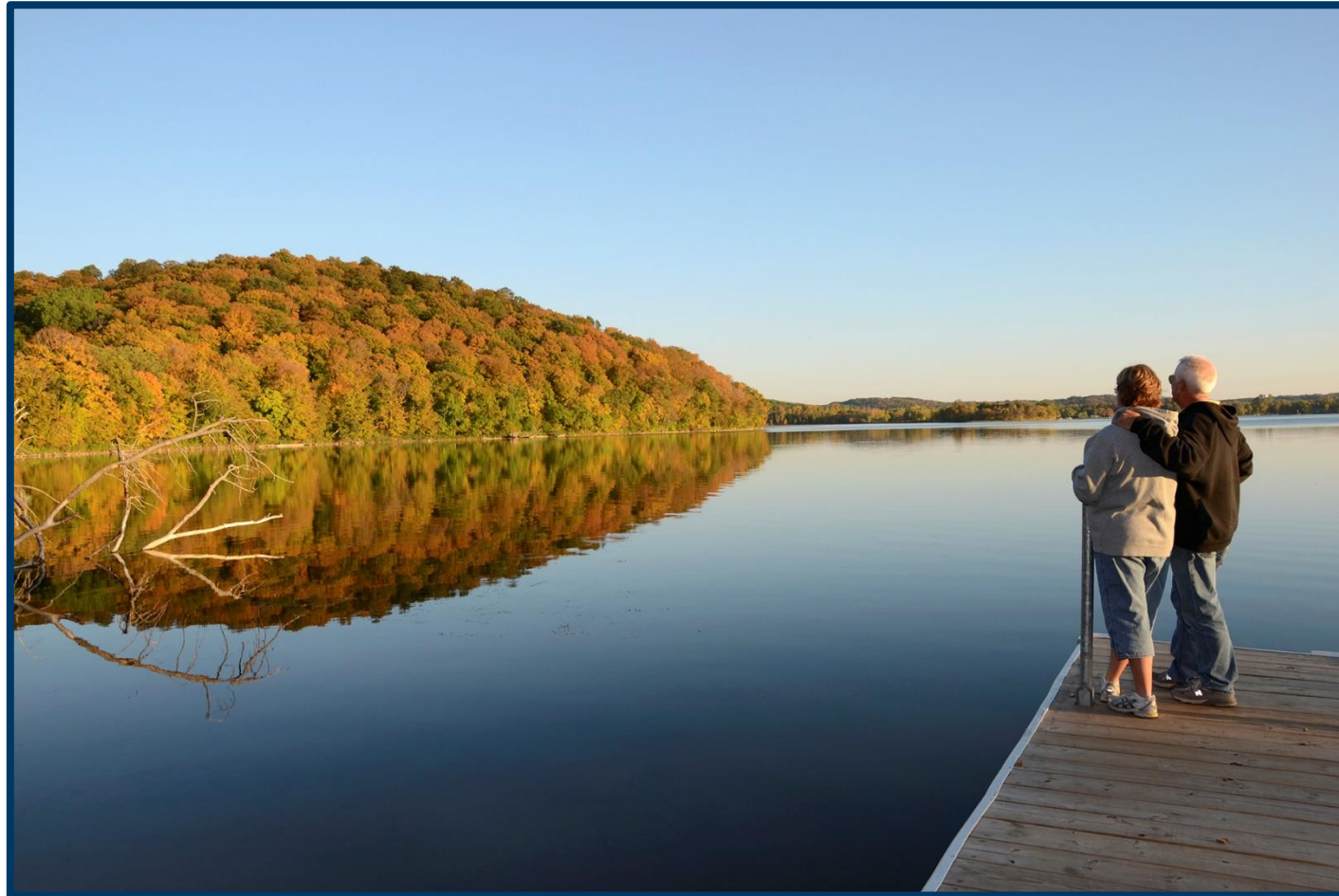


Gooseberry Falls State Park 1/8 second, Tettegouche State Park, Brule River 1/20 second





Golden Hour – shortly after sunrise and shortly before sunset



Golden Hour – shortly after sunrise and shortly before sunset

Social Media



“Live” tweeting

Social Media

The screenshot shows a Facebook post from the Minnesota Department of Natural Resources (DNR). The post features a photo of four people: a man in a brown jacket, a woman in a blue suit holding a plaque, a woman in a purple DNR polo shirt, and a woman in a grey hoodie. The text of the post reads: "Congrats to the youth conservation award winners! Governor Tim Walz, Lt. Governor Peggy Flanagan and DNR Commissioner Sarah Rosenberg Strommen presented them to Jake Tanghe and Elizabeth Lindow to recognize their commitment to conservation and our natural and agricultural resources. #mndnrstatefair go.usa.gov/xVBWM". The post has 12 comments and 5 shares. The DNR logo and navigation menu are visible on the left side of the page.

On-site posting to Facebook

Social Media

Minnesota Department of Natural Resources

clean up the garbage
Like · Reply · 12w
View 2 more comments

Minnesota Department of Natural Resources
July 26 · 🌐

Go chase some waterfalls this summer!
From the High Falls of Grand Portage to the Hidden Falls of Nerstrand Big Woods State Park, there are stunning waterfalls throughout Minnesota state parks. mndnr.gov/state_parks/starter_kit/waterfalls.html

51 4 Comments 13 Shares

Like Comment Share

Send this to friends or post

Most Relevant

mn DEPARTMENT OF NATURAL RESOURCES 

RECREATION DESTINATIONS NATURE EDUCATION & SAFETY LICENSES, PERMITS & REGULATIONS EVENTS & SEASONS ABOUT DNR

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News Release

Fall is a great time to make your home and property 'Firewise'

October 16, 2019

Fall is a good time to reduce the risks of wildfires to cabins and homes as property owners in rural and wooded areas clear woodlots, cut firewood or remove downed or dying trees.

"If property owners reduce the likelihood that an ember finds a suitable fuel bed, they greatly reduce the likelihood that their home or cabin will ignite," said Dan Carroll, northwest region Firewise specialist with the Department of Natural Resources.

The DNR offers guidance to homeowners to reduce the risks of wildfires to their homes and cabins through its Firewise program. The goal is to reduce losses from wildfire by identifying high fire risk areas for homeowners, and by mitigating hazards through planning, education and funding.

Carroll said there are four factors homeowners can control that affect whether a home will survive a wildfire. They are access, site, structure and burning practices.

Access

Firefighters and emergency vehicles need to be able to find and access a home. Without good access and escape routes, firefighters will not endanger themselves to save a home.

Defensible zone



Brainerd Bypass Fire



Headshots



- Shoot outdoors, if possible
- Gray sky is good – nice even lighting
- Sunny days – position person in the shade
- have person stand at slight angle to avoid “mug shot” look
- Use longer lens, focal length, so you can stand further away from subject and blur the background
- Try using flash – can soften by putting a tissue or napkin over the flash
- Low f-stop to separate subject from background

Group shots



- Focus from end to end
- High enough F-stop F5.6 or 8 and higher

Release Forms

Who signs?
When to sign?
Tennessee?



State Fair-public place, public event, no release needed



500 Lafayette Road
St. Paul, MN 55155-4040
651-296-6157, 888-646-6367 or through the Minnesota Relay Service at 711 or 800-627-3529

Talent Release Form

I give permission and rights to the State of Minnesota and the Department of Natural Resources (DNR) to record my performance and to use images of me, my performance and my sounds. I understand that this use includes the rights to reproduce, publish, publicly display, distribute, license, and assign any such recordings. I understand that the State of Minnesota and the DNR holds the copyright to these recorded images and sounds in all formats. I further understand that I hold no intellectual property rights on the images and recordings.

- I authorize my name to be used in connection with all uses of these recorded images and sounds.
- I understand that I will not be paid for any of the uses of these recorded images and sounds.
- I waive all rights to inspect, approve or control how these recorded images and sounds will be used by the State of Minnesota and the DNR.
- I understand that the State of Minnesota and the DNR will not intentionally distort or misrepresent these images and recordings.
- I agree to not sue and to hold harmless the State of Minnesota and its officials, employees, contractors and licensees from any claims or damages arising from use of these recorded images and sounds of me and my performance.
- I am over 18 years old and have the right to contract in my own name. I HAVE READ THIS DOCUMENT AND I UNDERSTAND ITS CONTENTS. (If the recorded images, performance and sounds are of a minor, I am the legal guardian signing on behalf of the minor.)

Complete if subject is a minor:

(signature) (date)

(print name)

(title, if applicable)

(organization, if applicable)

(facility name, if applicable)

(address)

(city, state, zip code)

(signature of legal guardian) (date)

(print name)

(relationship to minor)

(organization, if applicable)

(address)

(city, state, zip code)

(telephone number)

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Release Forms



Programs



Lightroom and Photoshop

- Ideally, 35mm with interchangeable lenses
- Lots of good low-med cost digital cameras/kits
- Camera with a zoom –optical zoom v digital zoom
- Ability to attach an external flash
- Built in wi-fi

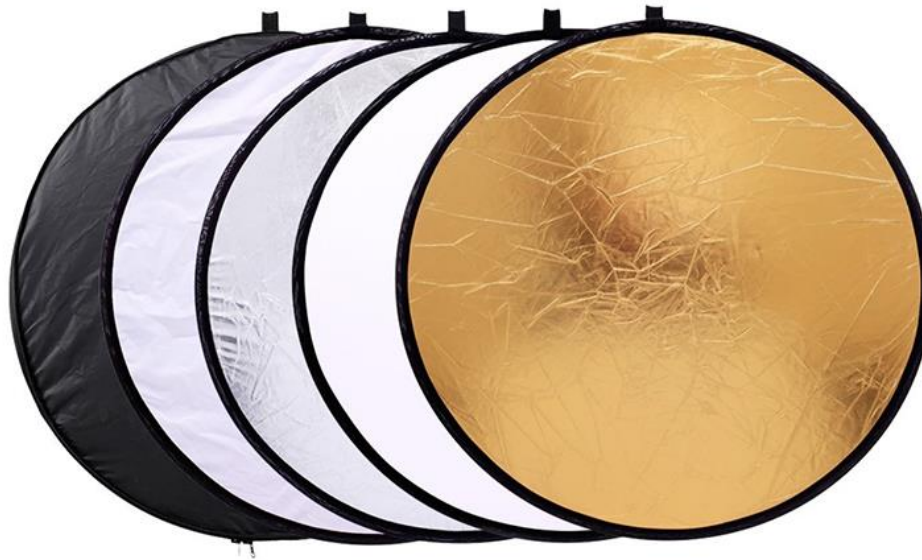
Nikon D750 DSLR Camera with 24-120mm Lens

BH #NID75024120 • MFR #1549 | ★★★★★ 998 reviews | 240 Questions, 951 Answers



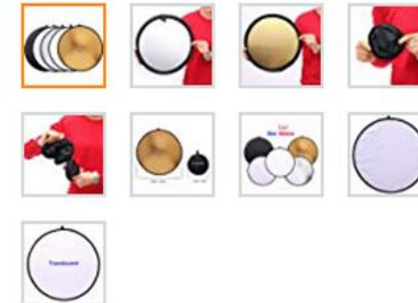
- Off-camera flash
- Twistable top
- Flash with diffuser (just a kleenex works!)
- Bounce light
- Cable





Photography Reflector 12" / 30cm 5-in-1 Collapsible Multi-Disc Light Reflectors with Bag - Translucent, Gold, Silver, Black and White

Color: 12inch/30cm



Best investment. And, cheap!

Set up a studio anywhere

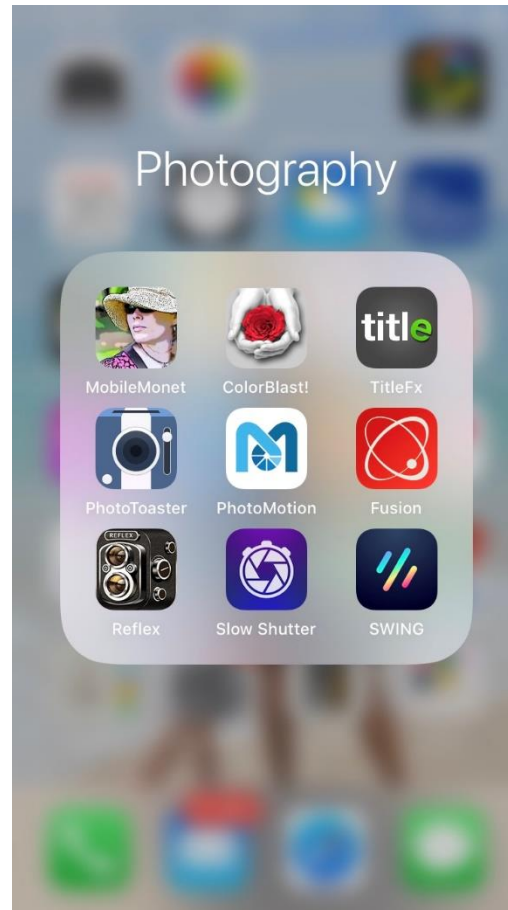
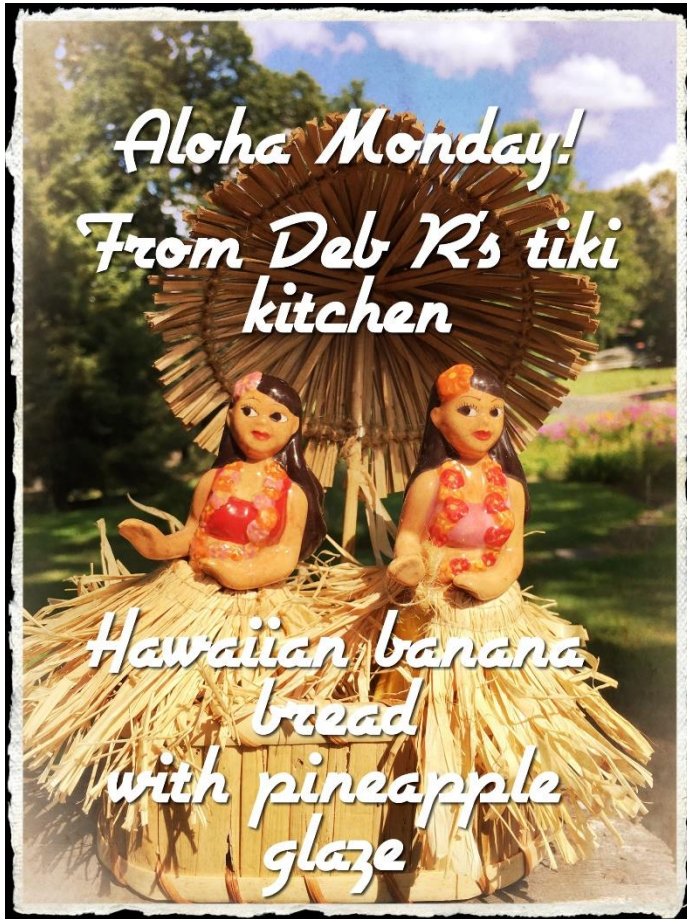


All you need are portable lights and a backdrop

Mirror? Mirrorless?

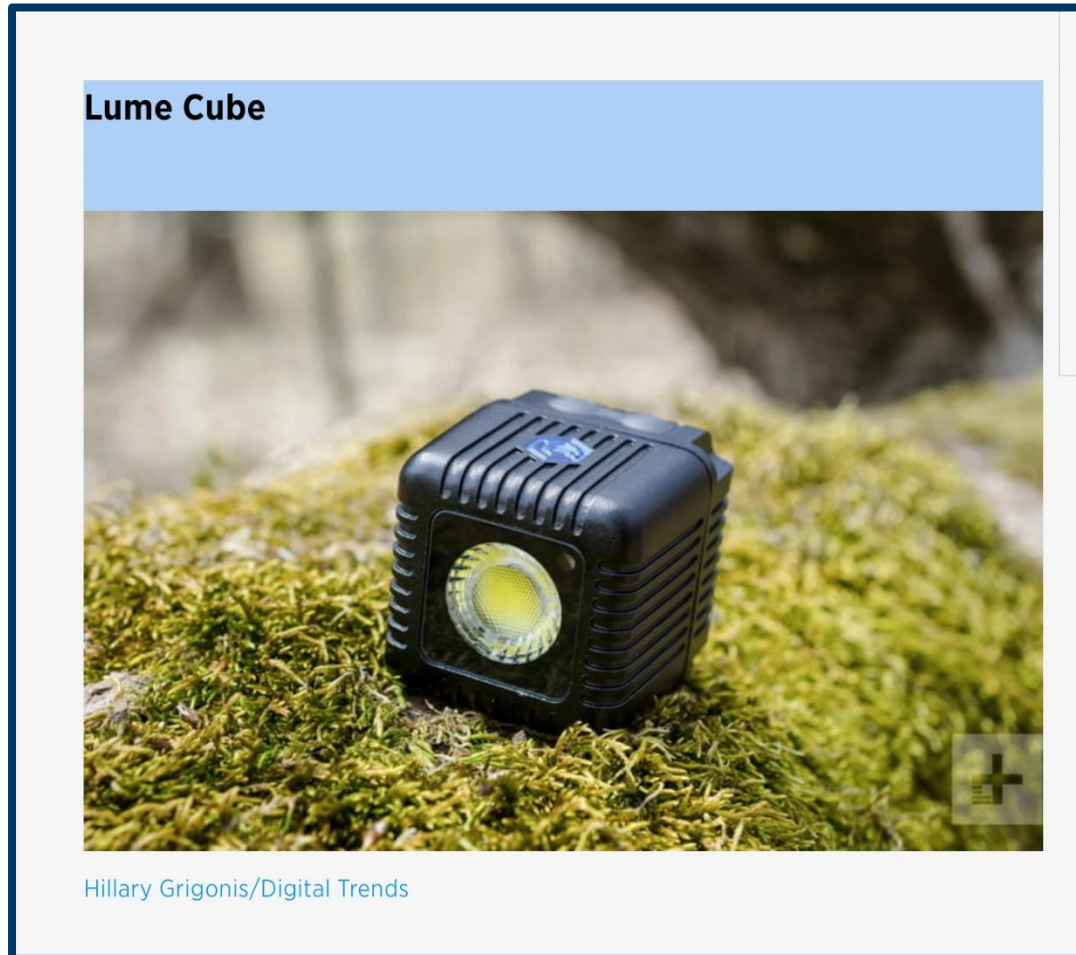
DSLR Advantages	Mirrorless Advantages
Better autofocus system	Smaller and lighter bodies
Longer battery life	Silent or quiet shutter features
More lens options	Faster shooting speed
Optical viewfinder provides better clarity and dynamic range	Electronic viewfinder shows exactly what the camera's sensor sees

Phone photography



Phone photography

- Blue tooth connection
- flash or continuous light
- Also lots of lens accessories available



Take away



It's more than just taking pictures



To photograph: It is to put on the same line of sight the head, the eye and the heart ~ Henri Cartier Bresson

More Information

- Lots of information and how-to videos on the web
- DPS-Digital Photography School – weekly email newsletter
- Newsletter at B&H
- Nikon Learn and Explore
- Digitaltrends.com (all things digital)

