OUR NEXT CHAPTER MEETING
NOTE EARLY START TIME & DIFFERENT LOCATION
Thursday June 14th @ 6pm
Annual Potluck
& Hay Wagon Tour of Jefferson Farm & Garden
4800 East New Haven Road, Columbia MO 65201

Bring your FAMILY, LAWN CHAIRS, a COVERED DISH TO SHARE and PERSONAL PLACE SETTINGS to Jefferson Farm and Garden on Thursday, June 14th at the earlier start time of 6:00 pm. Amy Weeks, Director of Jefferson Farm and Garden, will take us on a hay ride tour of the 67-acre educational farm which was designed to engage the community in experiences about food and agriculture. Come enjoy our traditional June social/meeting/potluck while learning about Jefferson Farm and Garden and their commitment to sharing the story of agriculture as they demonstrate a vast array of Midwest farming, gardening and conservation practices. This is an opportunity to learn about common Missouri crops, pollinator habitats, flower and vegetable gardens, water and energy conservation initiatives, fruit tree management and experience hands-on interactions with livestock, and a display of over 100 different plants and trees grown in Missouri. For directions go to https://jefferson.missouri.edu/contact/

All meeting attendees are eligible for the FREE MONTHLY RAFFLE! This program is approved for 1 hour of Advanced Training. We will not have a business meeting this month, so this month there are no hours for service time. Advanced Training does not require a timesheet code, and does not include travel time.
Hello Boone’s Lick Chapter Members -- I am writing to ask for your help!

**PLEASE TURN IN A MID-YEAR 2018 TIMESHEET BEFORE FRIDAY JULY 6TH!**
The Missouri Department of Conservation (MDC) sponsors our Master Naturalist program. MDC has requested that our chapter begin turning in timesheet totals *twice a year* – in June and again in December. This data will help them in their strategic planning efforts with our chapter and the other chapters around the state. To that end, I ask all of you that have completed at least 1 service or advanced training hour in 2018 to pretty please turn in a mid-year timesheet before Friday July 6th. (This includes new trainees that have completed at least 1 hour in 2018, even if you have yet to complete your total 40 hours of Service and 8 hours of Advanced Training to be certified!) More detailed information is in the next section. **THANK YOU for your help!**

**PLEASE HELP WITH OUR BOOTH AT THE BUTTERFLY FESTIVAL NEXT WEEKEND!**
I am looking for a few more volunteers to help staff our information booth at the upcoming Butterfly Festival at Jefferson Farm & Garden. The festival will be next Saturday June 23rd and Sunday June 24th, from 10am to 4pm on both days. We will have some activities for kids (bean bag toss, origami butterflies, butterfly selfies). We will be under a canopy but it could be HOT. I’ll bring a cooler. If you can help for a few hours, please [email me](mailto:jill@booneslick.org) and let me know, and I’ll email you back to confirm. More info on the festival below!

See y’all soon!

*Jill*
Jill Edwards
Boone’s Lick Chapter President (2017-2018)
Missouri Master Naturalist Class of 2013
Please [email me](mailto:jill@booneslick.org) with questions, feedback, and ideas for future chapter meeting presentations!

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**IT’S MID-YEAR TIMESHEET TIME!**

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It’s time to submit your mid-year Master Naturalist 2018 Timesheet! You can find the timesheet template here.

The Missouri Department of Conservation (MDC) has requested that Master Naturalist chapters turn in a mid-year report of our volunteer and advanced training hours. So we will begin having timesheet deadlines twice each year instead of once. If you have completed 1 or more hours of volunteer service or advanced training, we appreciate you taking the time to submit your mid-year timesheet – it will help MDC quantify the awesomeness of our chapter!

Your completed mid-year 2018 timesheet (preferably in Excel format) is due by Friday July 6th. You can find the timesheet instructions and the timesheet template at this link (click XLS for Excel but PDF is an option too if you wish): http://extension.missouri.edu/boone/masternaturalist.aspx either.

Please send your completed timesheet by email attachment to mmnvolopps@gmail.com or mail to MMN Program, University of Missouri Extension, 1012 N. Highway UU, Columbia, MO 65203-9545.

IMPORTANT REMINDERS:

- Remember that you can count ONE HOUR OF SERVICE for attending a chapter meeting PLUS TRAVEL TIME to and from the meeting. Record this under service code ADM.
- If a portion of a chapter meeting (usually the featured program) has been designated as ADVANCED TRAINING, you will record the number of hours of the program, without including travel time.

For example, if it takes you 15 minutes to get to the chapter meeting (half-hour round trip), our Feb 2018 meeting should be recorded as follows:

<table>
<thead>
<tr>
<th>Date (start)</th>
<th>Date (end)</th>
<th>CODE</th>
<th>Opportunity Description</th>
<th>Volunteer Hours</th>
<th>Advanced Training Hours</th>
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<tbody>
<tr>
<td>2/8/18</td>
<td>2/8/18</td>
<td>ADM</td>
<td>February Chapter Meeting: Conservation Efforts in Columbia</td>
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</table>

RE-CAP OF 2018 MISSOURI MASTER NATURALIST BOONE’S LICK MONTHLY CHAPTER MEETINGS:

- Remember, for chapter meetings that include a business meeting, you can count ONE HOUR OF SERVICE, PLUS TRAVEL TIME to and from the meeting. Record this under service code ADM.
- If the chapter meeting was designated as ADVANCED TRAINING, record the number of hours of the program IN ADDITION to the one hour of service (and travel time) noted above.

January 11th: Chapter Meeting Cancelled due to Ugly Weather 😊

February 8th: Overview of Conservation Efforts in Columbia (Danielle Fox)

  Count 1 hour of service plus travel time (code ADM, hours in Volunteer Hours column)
  Approved for 1 hour of Advanced Training (hours in Advanced Training Hours column)

March 8th: The Weather in Missouri (Eric Aldrich)

  Count 1 hour of service plus travel time (code ADM, hours in Volunteer Hours column)
  Approved for 1 hour of Advanced Training (hours in Advanced Training Hours column)

April 12th: Bird Monitoring Project at Eagle Bluffs Conservation Area (Clayton Light)
Count 1 hour of service plus travel time (code ADM, hours in Volunteer Hours column)
Approved for 1 hour of Advanced Training (hours in Advanced Training Hours column)

May 10th: Prairie Fork Reconstruction Project (Chris Newbold)
Count 1 hour of service plus travel time (code ADM, hours in Volunteer Hours column)
Approved for 1 hour of Advanced Training (hours in Advanced Training Hours column)

June 14th: Annual Chapter Potluck & Haywagon Tour at Jefferson Farm & Garden
Hay wagon tour approved for 1 hour of Advanced Training (hours in Advanced Training Hours column)
We will NOT have a business meeting at our potluck, so no hours for service this month!

If you have any questions about how to complete your timesheet, please contact Phil Knocke at mmnvolopps@gmail.com. THANKS in advance for turning in your timesheet on time!

BE A WINNER!
If you turn in your timesheet by the July 6th deadline, you will be entered into a drawing to win this cool creation made by our very own Chris Egbert (Class of 2009). WOW!

MEMBER’S CORNER

A Master Pollinator Steward Program is being planned this fall, beginning Tuesday Sept. 4th. They are considering two times for it, 1 to 4 PM or 4 to 7 PM. If you have any interest in participating in this program, could you please let them know your class meeting time preference?

Please click this link to let us know your preference of class time: https://doodle.com/poll/7hemny5ehbxqqt8u

The Master Pollinator Steward Program is a 6 week course, with classes lasting 3 hours. This series would be at the Prairie Fork Conservation Area, a real treasure to hold the class, but somewhat remote (about 15 miles E/NE of Fulton). More information on this program can be found at: http://extension.missouri.edu/pollinator
If you have other questions, please contact James Quinn, Regional Horticulture Specialist- East Central Region
Cole County Extension Center
573-634-2824 QuinnJa@missouri.edu
BUTTERFLY HOUSE FESTIVAL
Come and celebrate National Pollinator Week at the Native Butterfly House! Free tours will highlight the important role that butterflies play in our ecosystem, and how visitors can attract and support butterflies in their home gardens. A variety of fun activities and informational booths will engage all ages!

- Saturday, June 23: 10 a.m.-4 p.m.
- Sunday, June 24: 10 a.m.-4 p.m.

FOR MORE INFORMATION:
573-239-6134
jefferson.missouri.edu

JOIN US
Coming from east of Columbia:
- 1-70 West toward Columbia
- Take Exit 128A toward US-63/Jefferson City
- Merge onto US-63 South
- Take the MO-AC/Grindstone Parkway Exit toward New Haven Road (Left)
- Stay straight to go onto E New Haven Road
- JFG is approximately 1.5 miles from the exit on the right hand side of the road

Coming from west of Columbia:
- 1-70 East toward Columbia
- Take Exit 128A toward US-63/Jefferson City
- Merge onto US-63 South
- Take the MO-AC/Grindstone Parkway Exit toward New Haven Road (Left)
- Stay straight to go onto E New Haven Road
- JFG is approximately 1.5 miles from the exit on the right hand side of the road
 MASTER NATURALIST
LANYARDS
FOR SALE

Every Master Naturalist needs a lanyard for their nametag AND to show off their ever-growing collection of service pins! Lanyards will be available for sale at future chapter meetings and get-togethers. Cost is $2/each. Bring your money to our next chapter meeting!

VOLUNTEER OPPORTUNITIES

SERVICE PIN FOR 2018: MEAD’S MILKWEED

Help with Native Plant Garden Maintenance
Help is needed to keep our gardens at the Eagle Bluffs Conservation Area tidy! Our chapter maintains the Eagle Scout and Master Naturalist Garden located at the HQ building. Please contact Suzanne Wright for details: suzwright7002@gmail.com. Timesheet Code: MDC

Lovely Photo of a Great-Spangled Fritillary Butterfly: Betsy Garrett (Class of 2013)
ASSIST WITH NATIVE PRAIRIE SEED COLLECTION

There are many opportunities to assist with native seed collection throughout this summer and fall. It’s an excellent way to learn new species of plants while assisting with prairie restoration in Missouri. See below for a tentative schedule -- locations and times are TBD. Volunteers will travel to different locations within about 45 minutes of Columbia to gather seed for prairie restoration at Prairie Fork Conservation Area. MDC will provide limited transportation; carpooling is encouraged. Chris Newbold, Natural History Biologist for MDC, will send an email a week or so before each trip. Please email Chris Newbold or call 573-815-7901 ext. 3392 to be added to Prairie Seed Collection email list.

Opportunity Code for Timesheets: PRFORK

2018 SEED COLLECTION SCHEDULE

- Tuesday Evening July 17th: Tucker Prairie
- Thursday Evening Aug 2nd: Tucker Prairie
- Thursday Evening Aug 23rd: Prairie Fork
- Saturday September 8th: Tucker Prairie
- Saturday September 29th: Auxvasse Glade
- Saturday October 13th: Rocky Fork CA
- Saturday October 27th: PF or AG
- Sunday November 4th: Tucker Prairie

Photo above: New Jersey Tea (Ceanothus americanus)

YOU CAN FIND EXCELLENT PICTURES AND DESCRIPTIONS OF WILDFLOWERS HERE. Prairie Photo Credit: Suzanne Wright (Class of 2005) – Seed Collecting at Tucker Prairie

RE-POST: Help Teach Families How to Fish
Fun Family Fishing Nights at Jefferson Farm & Garden
Friday July 13th and Friday August 10th
Volunteers Arrive by 5:30pm – Event is 6pm to 8pm
Help people enjoy an evening of fishing fun and relaxation at Jefferson Farm and Garden! Volunteers are needed to assist with various activities including handing out poles/bait, teaching basic fishing skills, helping people get fish off of hooks, overseeing the bonfire and being generally helpful to visitors. You are welcome to bring your family and friends to fish in the 7-acre stocked fishing pond and be the first to include your picture on the JFG trophy board with your big catch! Enjoy s’mores by the bonfire or just sit back and relax with a cold drink. Cost is $5 per person (4 years and younger free) and includes the rental of a fishing pole, bait, one s’more and drink per paid person. Fishing is catch and release only and a fishing license is not required. Please register by calling Amy at (573) 239-6134 or through email at weeksaa@missouri.edu. Timesheet Code: MUJF

RE-POST: Help with Household Hazardous Waste Collection
1st & 3rd Saturdays from April to November
Volunteers shifts available from 8am to 10am or 10am to 12pm

The City of Columbia Household Hazardous Waste facility collects materials that should never go in our landfill! Volunteers are needed to assist with Paint Consolidation and Traffic and Direction. Shifts are available 8:00a.m.-10:00a.m. and 10:00a.m.-12:00p.m. Traffic volunteers greet citizens and direct to the proper lane. Paint volunteers open cans of water based paint and consolidate into five gallon buckets. It’s a bit messy, but people really enjoy it. The repurposed paint is available to the general public at no cost. Aprons, gloves and shoe covers are provided. HHW takes place at 1313 Lakeview. This is an ongoing opportunity the 1st and 3rd Saturday of the month April through November. A great team of volunteers help with HHW, let us know if you
wish to join the fun. To sign up, please contact Jody Cook at jody.cook@como.gov or 573-874-6271.

**Timesheet Code**: COC

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**Help with Butterfly Counts @ RBMSP**

**Next Count**: Saturday June 23rd from 10-4

Let’s count some butterflies! We will meet at the Grasslands trailhead at 10am at Rock Bridge Memorial State Park. Be sure to wear weather-appropriate clothing, sunscreen, and bug repellent. Bring a snack/lunch and a drink. Depending how much help we have, weather conditions and abundance of butterflies, these counts can last until 3 or 4 pm. We cover 4 trails. *If you have never done a butterfly count before, no worries. We need lots of helpers to catch them, and you'll learn to identify the butterflies as we go.*

If you have your own net, please bring it. The park will supply some, but the more we have the better. Let me know what dates you plan on attending (and feel free to bring a friend).

If you are interested, and would like to be added to the email list, please email Becky Bohlmeyer at kaiko5537@gmail.com. Becky will send reminders and any weather updates closer to the actual dates.

Upcoming Butterfly Count Dates:

- **Count #3** - June 23rd (make-ups June 24th/June 30th)
- **Count #4** - August 25th (make-ups August 26th/September 8th)

**Timesheet Code**: RBMSP

*Photo Credit*: Becky Bohlmeyer (Class of 2010) -- Eastern Tiger Swallowtail. Lovely!

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**More Volunteer Opportunities – see the Chapter Calendar for details!**

- **Friday June 15th from 6pm to 8pm**: *Work Party at Lincoln University*, see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code REG)

- **Saturday June 16th from 9am to 11am**: *Work Party at Lincoln University*, see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code REG)

- **Monday June 18th from 8am to 10am**: *Work Party at Two Mile Prairie Elementary*, sharing service-learning activities with 4th and 5th graders in their
prairie, pond and woodland habitats, see chapter calendar for details, if you have
questions email Lea Langdon or call 573-864-7647. (Timesheet Code SOC)

- **Tuesday June 19th and Wednesday June 20th from 6am to 12pm: Goose Roundup in Jeff City.** Assist with basic biological surveys of geese. The goose round-up is performed to help with tracking of geese populations, survival rates, and movements. The geese will be captured, sex and age determined and recorded, and tagged with leg bands. Contact Brady Lichtenberg at Brady.Lichtenberg@mdc.mo.gov or call 573-445-3882 to sign up to help. (Timesheet Code MDC)

- **Wednesday June 20th from 6pm to 8pm: Work Party at Lincoln University,** see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code REG)

- **Thursday June 21st from 8am to 10am: Work Party at Columbia Early Learning North (CELN),** see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code SOC)

- **Thursday June 21st from 1:30pm to 3pm: Work Party at Epple Field Wild Ones Site,** see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code WO)

- **Thursday June 28th from 8:30am to 10:30am: Work Party at Rock Bridge High School Rain Garden,** see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code SOC)

- **Friday June 29th from 6pm to 8pm: Work Party at Lincoln University,** see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code REG)

- **Thursday July 12th from 8am to 10am: Work Party at Rock Bridge Elementary,** see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code SOC)

- **Every Wednesday from 7:30am to 4:30pm: Birding Trip with Bill Clark (Columbia Audubon Society, in State Park or Conservation Area, fledgling birders welcome – the best way to learn about birds is by birding with an expert! Meet at SW Corner of Parkade Center parking lot, call Bill at 573-474-4510 to RSVP. (Timesheet Code CAS)
For updated information on advanced training opportunities, please see the [online Chapter calendar](#). To submit an opportunity for advanced training consideration, use the form on the chapter website and email it to [MMNATrain@gmail.com](mailto:MMNATrain@gmail.com).

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**Citizen Science Opportunity**

**SOIL HEALTH SURVEY TRAINING**

**June 30th, 2018 – Springfield**

**MO DIRT - Missourians Doing Impact Research Together,** is a citizen science initiative to educate citizens on the importance of healthy soils and engage them in examining the current properties of our state soils and how these are being influenced by climate change. The **soil health surveys** are conducted by volunteer citizens working as individuals or in small teams (~2-5 people). They measure indicators of soil health in sites that are representative of natural systems (prairie, forest, woodland) or agricultural systems (grassland, crop fields, pastures). Urban or suburban gardens are not included. The sites are monitored monthly between February and November for at least one year. Participants can join any time. The data is entered in a data portal by the participants. These data offers baseline information that is shared through an open access online website ([modirt.missouriepscor.org/soilhealthsurveys/search-data](http://modirt.missouriepscor.org/soilhealthsurveys/search-data)). The data can be used to make land management and conservation decisions, design lessons plans and for research.

<table>
<thead>
<tr>
<th>When</th>
<th>June 30th, 2018 – 9:30 am – 1:00 pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Where</td>
<td>Library Station, 2535 N Kansas Expwy, Springfield, MO 65803 (Frisco Room)</td>
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<tr>
<td>What</td>
<td>Participants will learn about soil science, how to monitor soil health by measuring soil physical, chemical, and biological indicators, and how to contribute data. If you decide to join the soil health survey project you will receive a manual and a soil kit for free.</td>
</tr>
<tr>
<td>Who</td>
<td>Volunteer citizens (teachers, students, land owners, farmers, youth groups, etc.).</td>
</tr>
<tr>
<td>Cost</td>
<td>Free</td>
</tr>
<tr>
<td>To register</td>
<td>Contact us at <a href="mailto:MODirt@danforthcenter.org">MODirt@danforthcenter.org</a> or 314.587.1412, or fill the registration form online at: <a href="http://modirt.missouriepscor.org/node/1769">modirt.missouriepscor.org/node/1769</a></td>
</tr>
</tbody>
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*Advanced training does not require a timesheet code – only volunteer hours require you to enter a timesheet code.*
See an interesting video or article online? Please share your link via email to mmndragonflyer@gmail.com

Having a Bad Day? Not After Rooting for This Raccoon that Climbed to the Top of a St. Paul Skyscraper

Tick Bites and Red Meat Allergies – Are You at Steak?

Hundreds of Chicks Hatch From "Spoiled" Eggs Dumped at Landfill

Yellowstone Geyser Erupts for the 8th Time in Less Than 3 Months

5 Sunscreen Ingredients to Avoid

Hot Schools make it Harder for Kids to Learn

Welcome to Catboat, the World’s Only Floating Animal Sanctuary

These Six-Pack Rings Are Actually Good for Marine Life

All the Things You can make with Stale Bread

The Stone that Built the White House

Keep Having a Good Day: Watch this Squirrel Commit a Brazen Daylight Robbery

OUR NEXT CHAPTER MEETING
THURSDAY JULY 12TH AT 6:30PM
MU EXTENSION OFFICE

The Snakes of Missouri
Wayne Brekhus, MU

MDC Photo Credit: Western Ratsnake – but most people just call them black snakes (Jim Rathert)

FROM MDC WEBSITE: HOW TO TELL VENOMOUS FROM NONVENOMOUS SNAKES
VENOMOUS SNAKES
- All venomous snakes native to Missouri are members of the pit viper family. Pit vipers have a characteristic pit located between the eye and nostril on each side of the head. They also have a pair of well-developed fangs.
- Note the shape of the pupil. The pupils of venomous snakes appear as vertical slits within the iris.
- Our venomous species all have a single row of scales along the underside of the tail.
- Missouri’s venomous snakes include the copperhead, cottonmouth, western pygmy rattlesnake, massasauga rattlesnake, and timber rattlesnake. The western diamond-backed rattlesnake and coralsnake are not found in Missouri. The most common venomous snake in Missouri is the copperhead.

Photo: Eastern Copperhead is the most common venomous snake in Missouri. It’s color varies from grayish brown to pinkish tan, with distinctive hourglass-shaped crossbands.

NONVENOMOUS SNAKES
- Harmless snakes have round pupils and a double row of scales along the undersides of their tails.
- A triangle-shaped head doesn’t necessarily mean danger. Although the venomous snakes have a somewhat triangle-shaped head, several harmless species, such as watersnakes, gartersnakes, and hog-nosed snakes, can and do flatten their heads, which can cause them to appear triangular.

Photo: The non-venomous Plains Gartersnake has a yellowish-orange stripe down the middle of the back.
<table>
<thead>
<tr>
<th>Treasurer</th>
<th>Linda Karns (Class of 2011)</th>
<th>Public Relations Committee</th>
<th>Chris Egbert (Class of 2009)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Relations</td>
<td><a href="mailto:MMNTreasurer@gmail.com">MMNTreasurer@gmail.com</a></td>
<td></td>
<td><a href="mailto:MMNpublicrelations@gmail.com">MMNpublicrelations@gmail.com</a></td>
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<tr>
<td>Treasurer</td>
<td></td>
<td></td>
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<tr>
<td>Chapter Historian</td>
<td>Becky Bohlmeier (Class of 2010)</td>
<td>Training Committee</td>
<td>Suzanne Wright (Class of 2005) and Robbie Scholes (Class of 2013)</td>
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<tr>
<td>Chapter Historian</td>
<td><a href="mailto:kaiko5537@gmail.com">kaiko5537@gmail.com</a></td>
<td></td>
<td><a href="mailto:philknocke@missouri.edu">philknocke@missouri.edu</a></td>
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<tr>
<td>Chapter Historian</td>
<td></td>
<td>Volunteer Opportunities &amp; Project Approval Committee</td>
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<tr>
<td>Chapter Co-Advisors</td>
<td>Kent Shannon</td>
<td>Chapter Co-Advisors</td>
<td>Bob Pierce</td>
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<td><a href="mailto:ShannonD@missouri.edu">ShannonD@missouri.edu</a></td>
<td></td>
<td><a href="mailto:PierceR@missouri.edu">PierceR@missouri.edu</a></td>
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To promote awareness and citizen stewardship of natural resources through science-based education and community service.