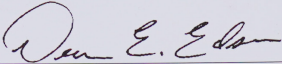
	Nebraska Association of Resources Districts FOUNDATION	1230
DATE <u>April 26, 2023</u>			
PAY TO THE ORDER OF <u>Dawson County Envirothon Club</u>		\$ <u>1500</u>	
<u>fifteen hundred dollars and 00/100</u>			DOLLARS
MEMO <u>first</u>			
:0000128100: 12345678		AUTHORIZED SIGNATURE	

Envirothon



Why have a team?

Envirothon

Why an Envirothon Team?

- Connecting with the students that like the outdoors
- Helping students find high income careers

What this team said they use from Envirothon

- Building team presentations
- Capitalizing on each others' strengths and covering weaknesses
- Linking Animal Science and Environmental causes and skills
- Strengthening a National Champion Environmental SAE/Proficiency Award
- Learning different types of removal techniques of invasive trees/plants on the farm/ranch
- Evaluating range land for maximizing ranch land
- Stronger interview skills
- Increased vocabulary and knowledge
- Learning to manage ecosystems at home farm/ranch
- More responsibility to the land and animal populations
- Agriculture and it's importance to carbon sequestration
- Increasing hunting and fishing success with Envirothon knowledge
- Importance of biodiversity in crop production

Careers tied to the Envirothon

- Director of Environmental Services - \$64,000-\$159,500 per year
- Reservoir Engineer - \$106,000-\$146,000 per year
- Environmental Director - \$117,500-\$143,000 per year
- Environmental Advisor - \$108,000-\$142,000 per year
- Sustainability Specialist - \$120,500-\$138,000 per year
- Environmental Manager - \$117,000-\$121,000 per year
- Chief Sustainability Officer - \$35,000-\$120,000 per year

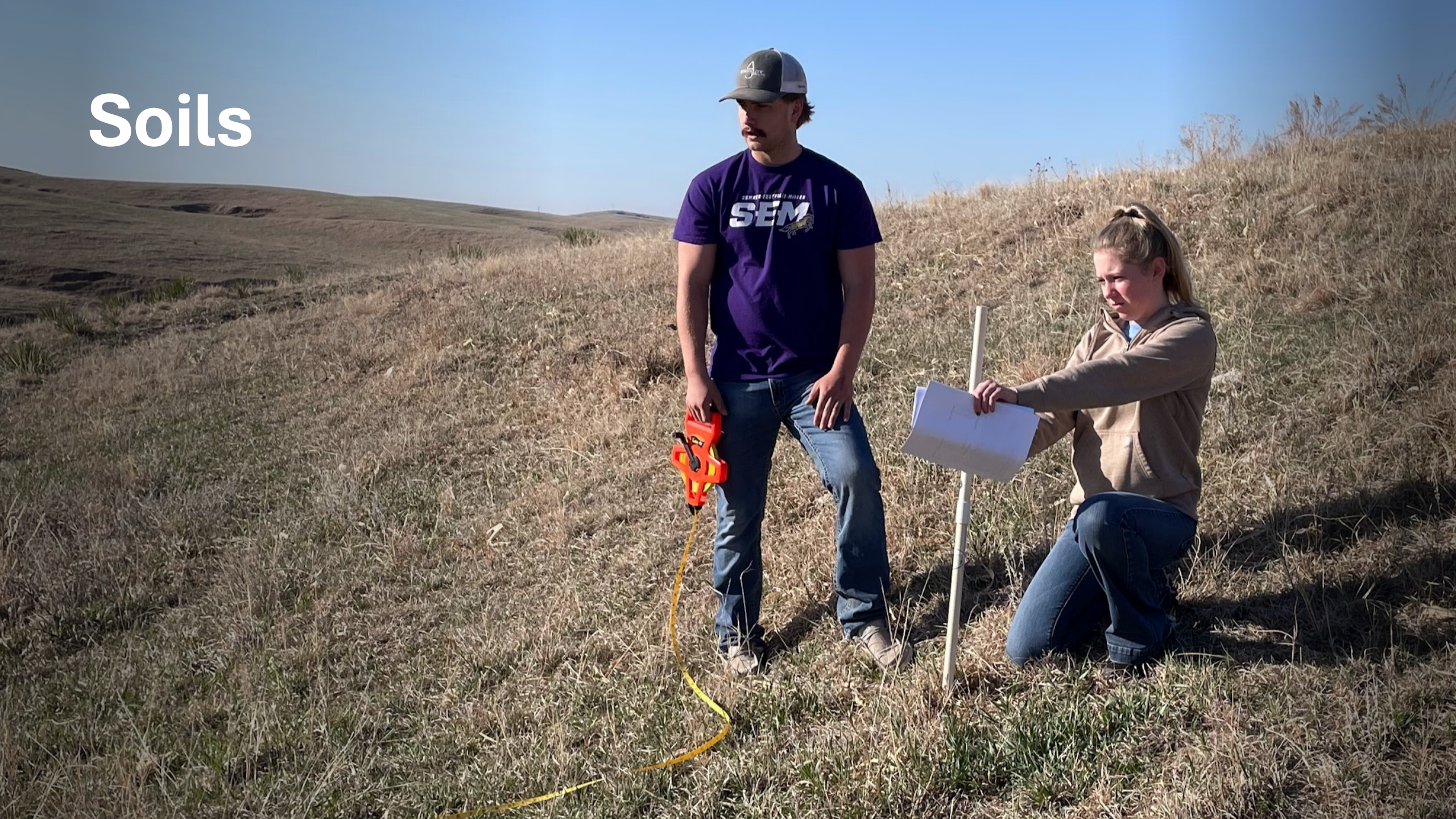
Aquatics



Favorite Aquatic Topics

- Water Cycle
- [Rivers of Nebraska](#) – labeling stream orders
- Labeling Fish Parts
- [Nebraska Pond Management](#)
 - Winter and Summer Kills, Pond Stocking (using fish ID and scenario)
 - Point Source and Non-Point Source Pollution Kit
 - [Fish Identification](#)

Soils



Soil Topics of Interest

- Create a Soils team – [NRD Soils Contest](#)
- Slope and using the clinometer
- Texturing soil – create a soil library
- Understanding the soil layers
- -[Nitrogen Cycle](#) – video

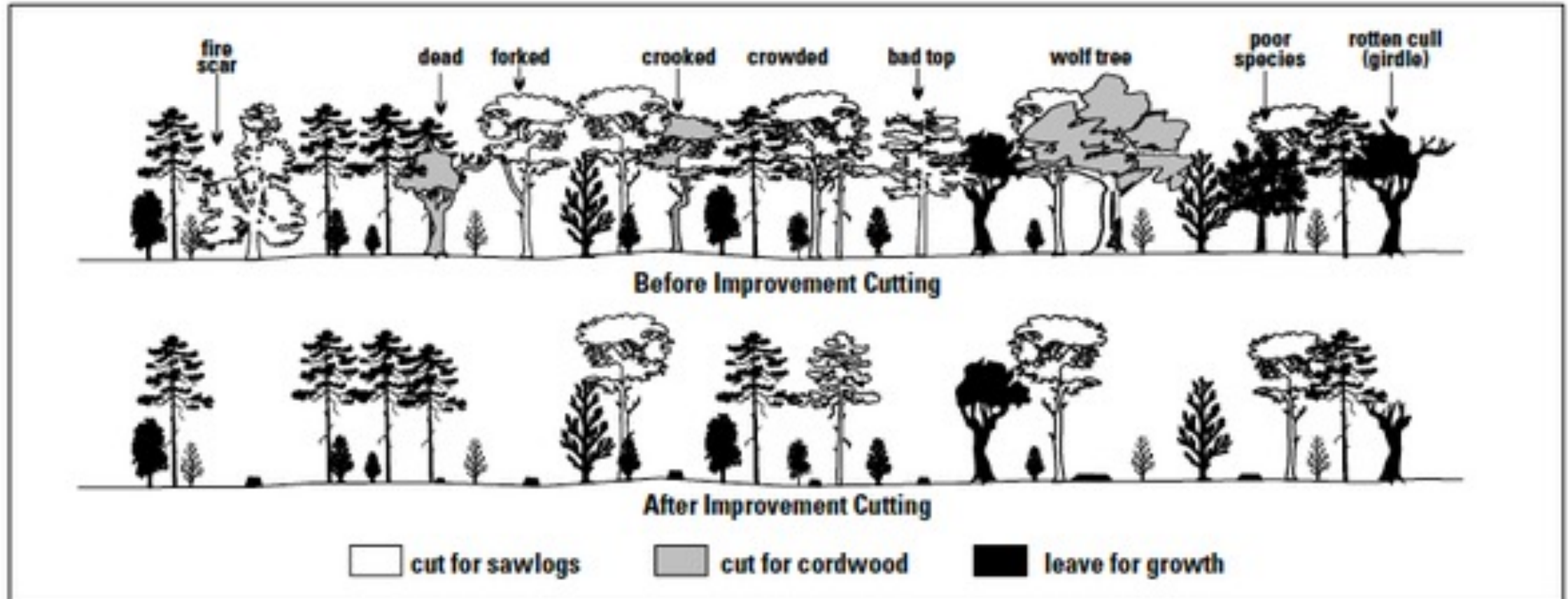
Forestry



Nebraska FORESTRY is tough

- Dichotomous key to study Dendrology
- Tree Identification - Deciduous & Coniferous – Softwood & Hardwood – Leaf type, arrangement, shape, and composition – Broadleaf, needlelike or scale-like leaves – Whorled, pinnate, or palmate (students went to parks with trees that are identified)
- Tree management using scenarios
- Tree measurements and tools
 - Board-foot volume
 - Diameter at breast height using **DBH tape** and Biltmore Stick
 - Finding tree height with **Clinometer** and **Biltmore Stick**
 - Using a **Prism** to mark trees of certain diameter

Forest Management Learning



Wildlife



Everyone loves Wildlife

- Nebraska Game and Parks
 - wildlife trunks and the website
- Identification of skulls, pelts, tracks and scat
 - make flashcards and powerpoints
- Understanding and building food webs
- Learning threatened and endangered species in Nebraska
- Game and nongame – hunting seasons and bag limits
- Acts and laws associated with Wildlife
- Teaching balance between ecosystems and humans



Range

Learning the Range

- [Range Judging Handbook](#)
- Range Judging Camp
- Range Tools

Policy



Building a Policy Study Guide

- Government, laws and policies meant to protect our natural environment.
- Policy and land use issues – use online sources like farm bureau that follow many of these.
- Roles of local, state, and federal natural resources agencies have in implementing and creating policy.
- Map reading skills. (topography, rivers, aquifers)



Oral Presentation

Oral Presentation

- Pick students who can present or make them presenters
- The topic is cutting edge
- Teaching students to research and use credible sources
- College English and NCTA Natural Resources Course

Resources

- Natural Resource District
- Foresters
- Local enthusiasts
- Envirothon Study Guide – copies available today
- NRCS
- Game and Parks