

NEBRASKA

The Need

Effective restoration and protection of water resources occurs only when changes in human behavior and social norms make water quality improvements sustainable. Effective education, outreach and communication, therefore, is critical to initiate and facilitate changes in behaviors of land managers that lead to adoption and maintenance of water quality management practices to improve and conserve water resources.

Goal

The goal of this program is to use local, watershed-specific partnerships between producers, Extension, local and state organizations, agencies, and government to:

- .Increase understanding of the effects of human activities on water quality by resource managers, public officials, community leaders, producers and private citizens;
- 2. Encourage the implementation of in-depth information, education and communication during watershed management plan development and implementation; and
- 3.<u>Support actions to restore and protect water</u> resources from impairment by nonpoint source pollution.

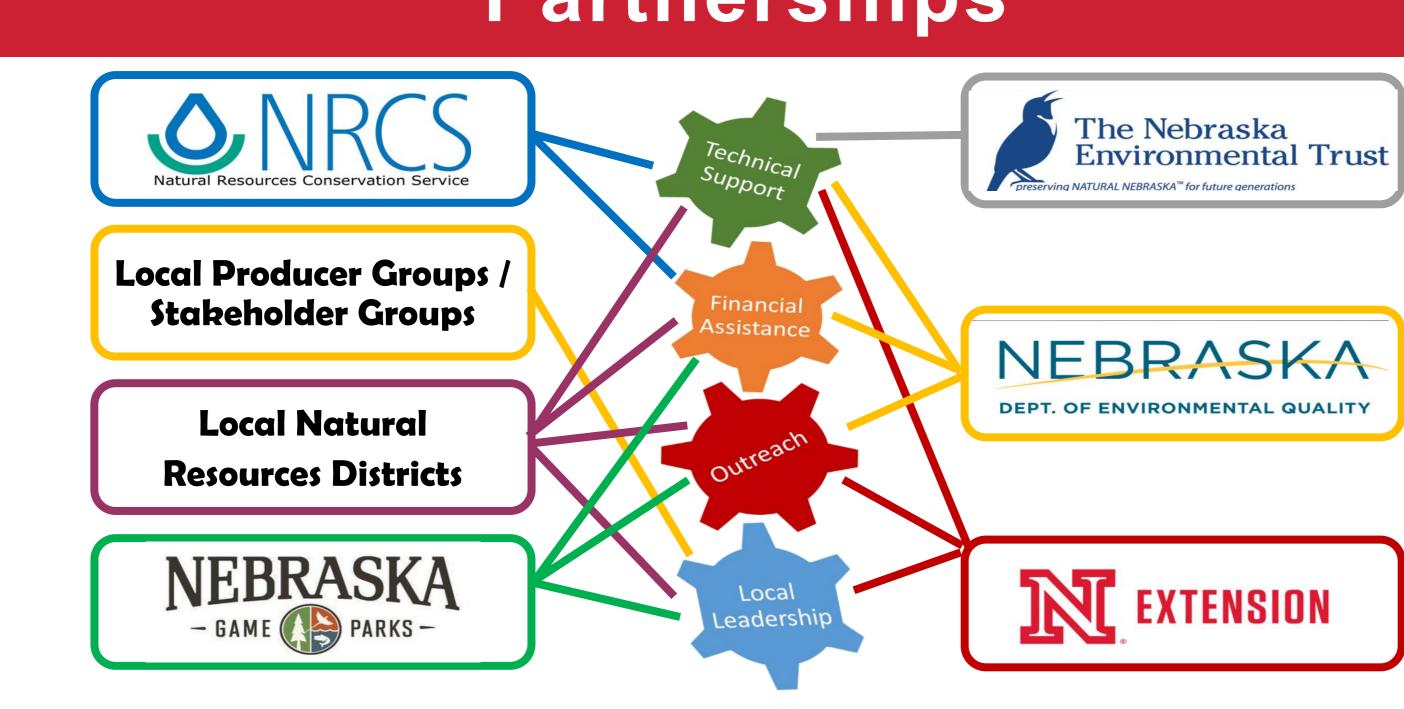
Nebraska Nonpoint Source Management Pla

The Nebraska Non-Point Source Management Plan is developed state, and local agencies, and non-governmental groups involved nonpoint source management. The plan addresses opportunities technical and financial resources toward restoring and protecting resources and resolving statewide nonpoint source issues of cond

Outreach & Education Approach: •Develop a coordinated approach to outreach & education progr which results in restored and protected water resources in Nebr •Identify statewide goals with partners to prioritize outreach & protect restore and protect water resources.

Local Watershed Group Support

Local producers and stakeholders participate in watershed groups. These groups develop and implement water quality management plans with assistance from conservation professionals.



Partnerships

Emphasizing Outreach & Education in Watershed Management through Partnerships Pekarek, K. A.¹

Water Quality Extension Educator, University of Nebraska—Lincoln, kpekarek2@unl.edu

Program Design and Impacts

Partnerships have resulted in an ever-evolving outreach & education model for watershed management in Nebraska. The delivery approaches in this program have varied based on each target audience, the length of the projects, learning objectives, and learning styles. Five areas of high impact include:

Outreach & Education Approach:

- •Provide guidance and develop outreach & education programming. •Develop demonstration projects, educational handouts and presentations.
- •Incorporate the Nebraska On Farm Research Network as appropriate.

Formal liaison arrangements create a cadre of professionals from core organizations to improve inter-organization collaboration and improve the quality of watershed programs and projects.

Demonstration Project: Late Season Cover Crop Interseeding with Highboy into Corn for Northeast Nebraska Farmers





- Shell Creek stream was delisted in 2019 for Atrazine after 20+ years of outreach & education for implementing conservation practices.
- Demonstration projects have been incorporated into the Nebraska On Farm Research Network.
- Local Extension partners are involved with watershed management partners.
- Two new NWQI areas in Nebraska were selected.

n	Outreach & Edu
d by federal, d in s to direct g water cern.	The Nebraska Section Watershed Manageme guide and implement
	 Outreach & Education Work with partners to outreach & education
ramming raska.	Section 319 Watershe Management Plans at
education to	•Incorporate outreach

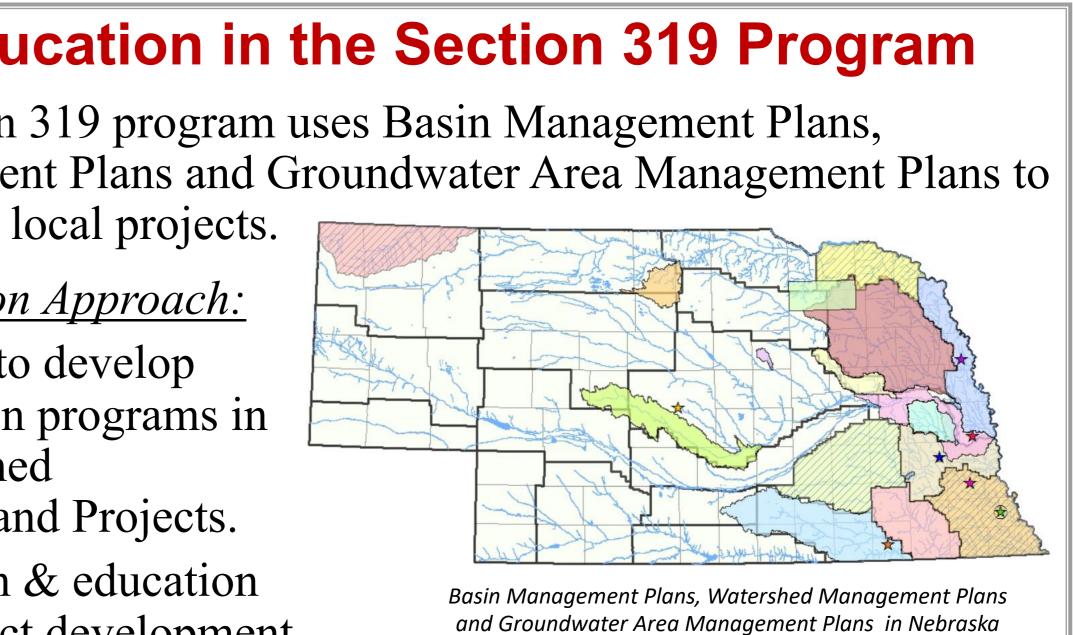
0... L O C

local projects.

<u>n Approach:</u>

o develop n programs in and Projects.

& education at all stages of project development.



Formal Agency Relationships

Outreach & Education Approach:

- •Provide access for partners to University of Nebraska expertise and resources.
- •Connect faculty to partner research needs.

NWQI & SWPI Collaboration

The USDA National Water Quality Initiative (NWQI) and Source Water Protection (SWPI) Initiative target the use of on-farm conservation practices by producers to improve water quality in small watersheds. Partner agencies guide local outreach & education, identify resource concerns and prioritize practices.

Outreach & Education Approach: •Work with partners to submit state pilot projects

- for national funding.
- •Assist producer stakeholder groups in prioritizing resource concerns and practices.

Results

• State planning guidance emphasizes partner collaboration in watershed management programs. • All Section 319 Watershed Management Plans and projects include robust outreach & education plans.

• Locally perceived producer barriers to adoption of conservation practices and preferred practices were surveyed to help in the planning process.



