



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

§319 Nonpoint Source Grant Program

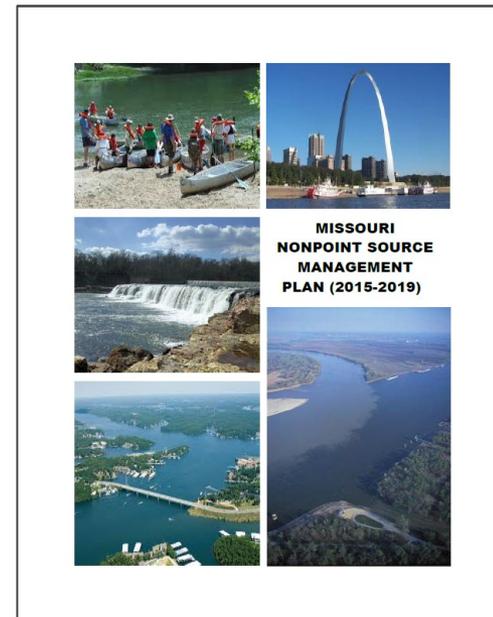


§319 Program Background

- §319 was added to the Clean Water Act in 1987 to address nonpoint source pollution (NPS)
- NPS originates from diffuse or scattered sources
- NPS is the greatest threat to water quality in the US and state

§319 Program Background

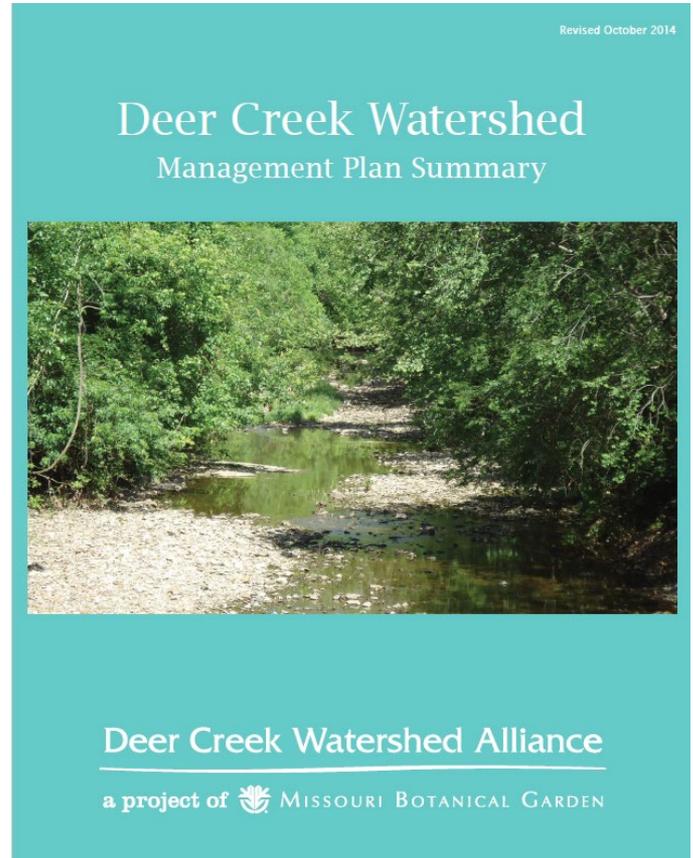
- Congress appropriates grant funds to states under §319(h) to implement each state's Nonpoint Source Management Plan (NPSMP)
- Missouri's allocation is 2.3% of the national total, providing approximately \$3.6M annually





§319 Subgrant Funding

- DNR offers subgrants to sponsors to undertake projects to improve waters impaired by NPS
- Pass-through from EPA
- Project types:
 - Watershed Planning
 - Watershed Plan Implementation



Who is Eligible to Apply

- State Agencies
- Local Governments (e.g. city, county, regional planning, school districts)
- Municipalities
- Nonprofit 501(c)(3) Organizations
- Higher Education Institutions

Request for Proposals

- Annually on October 1
- Discusses priority areas
- Types of projects eligible (planning and/or implementation)
- Funding amounts and timelines – typically:
 - Amount available: \$50,000 to \$300,000
 - Duration: up to 3 years
- Match requirement (40%)

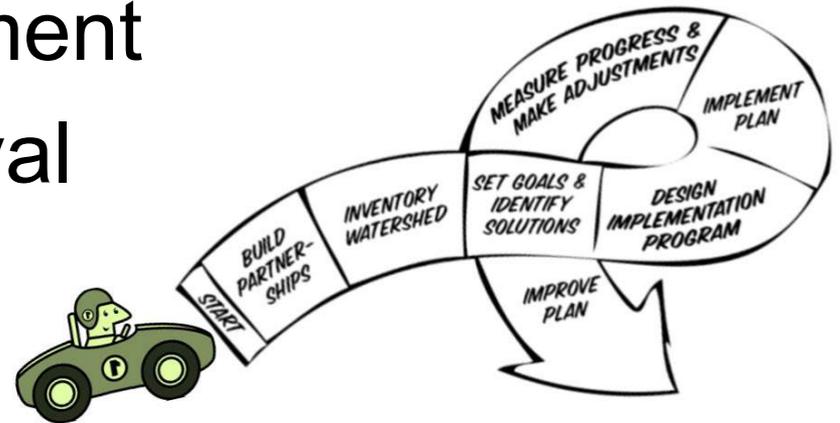
Watershed Prioritization

- NPSMP Priorities
- Planning
 - New
 - Updates
 - Protection
- Implementation
 - Impaired Waters
 - High Quality Waters



Watershed Planning Projects

- Watershed based planning allows local stakeholders to direct decision making about improvement of impaired waters
- 9 key elements to be eligible for 319 funding
- Must address impairment
- Requires EPA approval
- Requires update every 5 years



Key Elements of a Watershed Based Plan

- A. Identify and quantify sources of pollution
- B. Identify pollutant load reductions needed to meet WQS **Monitoring and Modeling**
- C. Identify BMPs needed to achieve reductions and identify critical areas for implementation
- D. Describe the financial and technical assistance needed to implement BMPs
- E. Describe outreach activities planned to garner support from stakeholders for plan implementation

Key Elements of a Watershed Based Plan

- F. Estimate BMP implementation schedule (who does what, when)
- G. Describe the milestones and estimated time frames for the implementation of BMPs
- H. Identify the criteria that will be used to assess water quality improvement as the plan is implemented
- I. Describe the monitoring plan that will collect water quality data needed to measure water quality improvement

Implementation Projects

- You made a plan – now implement it!
- Implement prescribed BMPs (or other activities) in critical areas as described in the WBP
- Restoration and/or protection activities
- Anyone can implement an approved plan
- Planning and implementation in an iterative process

Eligible Implementation Projects

- Stream restoration
- Innovative stormwater practices
- Lake management practices
- Groundwater protection
- Agricultural BMPs
– with limitations

Little Creek stream restoration



Silva retention cells under permeable pavers

Eligible Implementation Projects

- Riparian restoration
- Wetland restoration
- Mine drainage (AML)
- Riparian/wetland protection easements
- Protection of high quality and/or threatened waters

Wilsons Creek: riparian improvement and livestock exclusion



Wetland restoration at Lincoln University farm

Projects NOT Eligible

- Municipal Separate Storm Sewer System (MS4) Permit Requirements
 - Above and beyond is potentially OK
- Activities Related to National Pollutant Discharge Elimination Systems (NPDES)
- Research Projects
 - Studies potentially OK

Resources

- Section 319 NPS Program Website

<https://dnr.mo.gov/env/swcp/nps/index.html>

(subject to change!)

- Handouts – Available at booth



Staff Contacts

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