Local Working Group Resource Concern Questionnaire "Draft" (Copy)

The purpose of this questionnaire is to gather information about local resource concerns that will then be used by the Local Working Groups to develop local conservation efforts in your county. Local working groups are a sub-committee of the State Technical Committee and as such help to focus the efforts of NRCS in resource protection in the state. Your input is valuable and will help Missouri NRCS to better meet the needs of the communities and assist producers in protecting natural resources on their land.

NRCS Provides technical and financial assistance to private landowners to address several different resource concerns. Primary resource concerns are divided into seven categories (Soil, Water, Air, Plants, Animals, Humans, and Energy). These seven categories are then further divided into sub-resource concerns within each category. The following questions ask you to identify your top three primary resource concerns and then rank your sub-resource concerns for each category.

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Public Burden Statement: According to the Paperwork Reduction Act requirement, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0503-0021. The expiration date is 08/31/2027. This survey is voluntary. The time required to complete this information collection is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of of information, including suggestions for reducing this burden by emailing to: askusda@usda.gov (OMB NO. 0503-0021).

Identification of Resource Concerns in your County.

1. Which of the following best represents your affiliation with the Local Working Group *

- ◯ Farmer, Producer, Landowner
- ◯ Conservation District
- ◯ NRCS Conservation Partner Organization
- ◯ NRCS Partner Employee
- ◯ Academic Institution
- ◯ Industrial Partner
- ◯ Concerned Citizen
- ◯ All of the above
- ◯ None of the above

2. How many years have you been a farmer/producer/landowner?

3. With which academic institution are you affiliated?

4. With which industrial partner are you affiliated?

5. Have you participated in NRCS Programs previously? (EQIP, CSP, CRP, WRE etc.)

- ◯ Yes
- ◯ No
- ◯ Maybe

6. For which Missouri County are you reporting resource concerns? *

- ◯ Adair
- ◯ Andrew
- ◯ Atchison
- ◯ Audrain
- ◯ Barry
- ◯ Barton
- ◯ Bates
- ◯ Boone
- ◯ Benton
- ◯ Bollinger
- ◯ Buchanan
- ◯ Butler
- ◯ Caldwell
- ◯ Callaway
- ◯ Camden
- ◯ Cape Girardeau
- ◯ Carroll
- ◯ Carter
- ◯ Cass
- ◯ Cedar
- ◯ Chariton
- ◯ Christian
- ◯ Clark
- ◯ Clay
- ◯ Clinton
- ◯ Cole
- ◯ Cooper
- ◯ Crawford

- ○ Dade
- ○ Dallas
- ○ Daviess
- ○ DeKalb
- ○ Dent
- ○ Douglas
- ○ Dunklin
- ○ Franklin
- ○ Gasconade
- ○ Gentry
- ○ Greene
- ○ Grundy
- ○ Harrison
- ○ Henry
- ○ Hickory
- ○ Holt
- ○ Howard
- ○ Howell
- ○ Iron
- ○ Jackson
- ○ Jasper
- ○ Jefferson
- ○ Johnson
- ○ Knox
- ○ Laclede
- ○ Lafayette
- ○ Lawrence
- ○ Lewis
- ○ Lincoln
- ○ Linn

- ○ Livingston
- ○ Macon
- ○ Madison
- ○ Maries
- ○ Marion
- ○ McDonald
- ○ Mercer
- ○ Miller
- ○ Mississippi
- ○ Moniteau
- ○ Monroe
- ○ Montgomery
- ○ Morgan
- ○ New Madrid
- ○ Newton
- ○ Nodaway
- ○ Oregon
- ○ Osage
- ○ Ozark
- ○ Pemiscot
- ○ Perry
- ○ Pettis
- ○ Phelps
- ○ Pike
- ○ Platte
- ○ Polk
- ○ Pulaski
- ○ Putnam
- ○ Ralls

- ○ Randolph
- ○ Ray
- ○ Reynolds
- ○ Ripley
- ○ Saline
- ○ Schuyler
- ○ Scotland
- ○ Scott
- ○ Shannon
- ○ Shelby
- ○ St Charles
- ○ St Clair
- ○ St Francois
- ○ St Louis
- ○ St Louis City
- ○ Ste Genevieve
- ○ Stoddard
- ○ Stone
- ○ Sullivan
- ○ Taney
- ○ Texas
- ○ Vernon
- ○ Warren
- ○ Washington
- ○ Wayne
- ○ Webster
- ○ Worth
- ○ Wright

7. Which of the following major resource concern would you identify as the **MOST** important in your county. *

- ◯ Soil
- ◯ Water
- ◯ Air
- ◯ Plant
- ◯ Animal
- ◯ Energy
- ◯ No Resource Concerns

8. Soil - Rank each soil sub-resource concern below from highest to lowest to indicate your priorities *

- Ephemeral Gully Erosion - small channels eroded by concentrated flow that can be easily filled by normal tillage, only to reform again in the same location by additional runoff events
- Classic Gully Erosion - created when soil is detached from the areas of concentrated flow in well defined drainageways
- Bank Erosion from streams, shorelines, or water conveyance channels - removal of soil, rocks, and vegetation by the force of moving water
- Compaction - occurs when moist or wet soil particles are pressed together and the pore spaces between them are reduced
- Organic Matter Depletion - management-induced reduction in any or all soil organic matter pools resulting in limited soil function and processes
- Aggregate Stability - ability of soil aggregates to resist degradation
- Sheet and Rill Erosion - detachment, transport, and deposition of soil particles caused by raindrop impact and surface runoff
- Wind Erosion - process where wind detaches, transports, and deposits soil particles

9. Water - Rank each water sub-resource concern below from highest to lowest to indicate your priorities *

- Pesticides transported to surface and/or ground water
- Nutrients transported to surface and/or ground water
- Pathogens and chemicals from manure, biosolids or compost applications transported to surface water
- Sediment transported to surface water
- Surface and/or ground water depletion
- Inefficient irrigation water use
- Petroleum, heavy metals, and other pollutants transported to surface and/or ground water
- Ponding and flooding
- Seasonal high water table
- Seeps

10. Air - Rank each air sub-resource concern below from highest to lowest to indicate your priorities *

- Emissions of particulate matter (PM and PM precursors)
- Emissions of greenhouse gases (GHGs)
- Emissions of ozone precursors
- Objectionable odor
- Emissions of airborne reactive nitrogen

11. Plant - Rank each plant sub-resource concern below from highest to lowest to indicate your priorities *

- Plant productivity and health
- Plant structure and composition
- Wildlife hazard and biomass accumulation
- Plant pest pressure

12. Animal - Rank each animal sub-resource concern below from highest to lowest to indicate your priorities *

- Aquatic habitat for fish and other organisms
- Elevated water temperature
- Feed and forage balance
- Inadequate livestock shelter
- Inadequate livestock water quantity, quality, and distribution
- Terrestrial habitat for wildlife and invertebrates

13. Energy - Rank each energy sub-resource concern below from highest to lowest to indicate your priorities *

- Energy efficiency of equipment and facilities
- Energy efficiency of farming/ranching practices and field operations

14. Which of the following major resource concern would you identify as the **SECOND** most important in your county. *

- ◯ Soil
- ◯ Water
- ◯ Air
- ◯ Plant
- ◯ Animal
- ◯ Energy
- ◯ No Resource Concerns

15. Soil - Rank each soil sub-resource concern below from highest to lowest to indicate your priorities *

- Ephemeral Gully Erosion - small channels eroded by concentrated flow that can be easily filled by normal tillage, only to reform again in the same location by additional runoff events
- Classic Gully Erosion - created when soil is detached from the areas of concentrated flow in well defined drainageways
- Bank Erosion from streams, shorelines, or water conveyance channels - removal of soil, rocks, and vegetation by the force of moving water
- Compaction - occurs when moist or wet soil particles are pressed together and the pore spaces between them are reduced
- Organic Matter Depletion - management-induced reduction in any or all soil organic matter pools resulting in limited soil function and processes
- Aggregate Stability - ability of soil aggregates to resist degradation
- Sheet and Rill Erosion - detachment, transport, and deposition of soil particles caused by raindrop impact and surface runoff
- Wind Erosion - process where wind detaches, transports, and deposits soil particles

16. Water - Rank each water sub-resource concern below from highest to lowest to indicate your priorities *

- Pesticides transported to surface and/or ground water
- Nutrients transported to surface and/or ground water
- Pathogens and chemicals from manure, biosolids or compost applications transported to surface water
- Sediment transported to surface water
- Surface and/or ground water depletion
- Inefficient irrigation water use
- Petroleum, heavy metals, and other pollutants transported to surface and/or ground water
- Ponding and flooding
- Seasonal high water table
- Seeps

17. Air - Rank each air sub-resource concern below from highest to lowest to indicate your priorities *

- Emissions of particulate matter (PM and PM precursors)
- Emissions of greenhouse gases (GHGs)
- Emissions of ozone precursors
- Objectionable odor
- Emissions of airborne reactive nitrogen

18. Plant - Rank each plant sub-resource concern below from highest to lowest to indicate your priorities *

- Plant productivity and health
- Plant structure and composition
- Wildlife hazard and biomass accumulation
- Plant pest pressure

19. Animal - Rank each animal sub-resource concern below from highest to lowest to indicate your priorities *

- Aquatic habitat for fish and other organisms
- Elevated water temperature
- Feed and forage balance
- Inadequate livestock shelter
- Inadequate livestock water quantity, quality, and distribution
- Terrestrial habitat for wildlife and invertebrates

20. Energy - Rank each energy sub-resource concern below from highest to lowest to indicate your priorities *

- Energy efficiency of equipment and facilities
- Energy efficiency of farming/ranching practices and field operations

21. Which of the following major resource concern would you identify as the **THIRD** most important in your county. *

- ◯ Soil
- ◯ Water
- ◯ Air
- ◯ Plant
- ◯ Animal
- ◯ Energy
- ◯ No Resource Concerns

22. Soil - Rank each soil sub-resource concern below from highest to lowest to indicate your priorities *

- Ephemeral Gully Erosion - small channels eroded by concentrated flow that can be easily filled by normal tillage, only to reform again in the same location by additional runoff events
- Classic Gully Erosion - created when soil is detached from the areas of concentrated flow in well defined drainageways
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- Compaction - occurs when moist or wet soil particles are pressed together and the pore spaces between them are reduced
- Organic Matter Depletion - management-induced reduction in any or all soil organic matter pools resulting in limited soil function and processes
- Aggregate Stability - ability of soil aggregates to resist degradation
- Sheet and Rill Erosion - detachment, transport, and deposition of soil particles caused by raindrop impact and surface runoff
- Wind Erosion - process where wind detaches, transports, and deposits soil particles

23. Water - Rank each water sub-resource concern below from highest to lowest to indicate your priorities *

- Pesticides transported to surface and/or ground water
- Nutrients transported to surface and/or ground water
- Pathogens and chemicals from manure, biosolids or compost applications transported to surface water
- Sediment transported to surface water
- Surface and/or ground water depletion
- Inefficient irrigation water use
- Petroleum, heavy metals, and other pollutants transported to surface and/or ground water
- Ponding and flooding
- Seasonal high water table
- Seeps

24. Air - Rank each air sub-resource concern below from highest to lowest to indicate your priorities *

- Emissions of particulate matter (PM and PM precursors)
- Emissions of greenhouse gases (GHGs)
- Emissions of ozone precursors
- Objectionable odor
- Emissions of airborne reactive nitrogen

25. Plant - Rank each plant sub-resource concern below from highest to lowest to indicate your priorities *

- Plant productivity and health
- Plant structure and composition
- Plant pest pressure
- Wildlife hazard and biomass accumulation

26. Animal - Rank each animal sub-resource concern below from highest to lowest to indicate your priorities *

- Aquatic habitat for fish and other organisms
- Elevated water temperature
- Feed and forage balance
- Inadequate livestock shelter
- Inadequate livestock water quantity, quality, and distribution
- Terrestrial habitat for wildlife and invertebrates

27. Energy - Rank each energy sub-resource concern below from highest to lowest to indicate your priorities *

- Energy efficiency of equipment and facilities
- Energy efficiency of farming/ranching practices and field operations

Future Objectives

We would like your feedback on future areas that NRCS-Missouri should consider for Resource Concern Focus

28. Identify conservation areas that you believe NRCS - Missouri should focus on in the future. (Select all that apply.)

- [ ] Solar
- [ ] Biofuels
- [ ] Working Wetlands
- [ ] Urban Agriculture
- [ ] Small Scale Agriculture
- [ ] Other

29. Below are a list of the top 10 conservation practices deliver through EQIP in the state of Missouri for Fiscal Year 2023.

	Under Utilized	Correctly Utilized	Over Utilized	Not famliar
Cover Crop	○	○	○	○
Pasture and Hay Planting	○	○	○	○
Roofs and Cover	○	○	○	○
Terrace	○	○	○	○
Fence	○	○	○	○
Nutrient Management	○	○	○	○
High Tunnel System	○	○	○	○
Livestock Pipeline	○	○	○	○
Wildlife Habitat Planting	○	○	○	○
Brush Management	○	○	○	○

30. Are there other conservation practices you would like to see offered by NRCS Missouri?

- ◯ Yes
- ◯ No

31. If you answered yes above, please list the practices you would like to see offered in Missouri.

32. Please rank the following special ecological resource areas for NRCS-Missouri funding consideration.

- Prairie Restoration
- Forest Management
- Wetland Restoration
- River/Stream Restoration

Farm Service Agency

We would like your feedback about CRP

33. Have you participated in, inquired about, or made an offer for CRP enrollment in the past 5 years? *

- ◯ Yes
- ◯ No

34. Please rank your objectives when participating in the CRP program? *

- Reduce Soil Erosion
- Provide Wildlife Habitat
- Improve Water Quality
- Improve Profitability

35. Please rank the following barriers to participation in CRP. *

	Not a barrier	Mild barrier	Moderate barrier	Difficult barrier
Cost to establish practices (i.e. cost to prepare seed bed, purchase and plant seeds	◯	◯	◯	◯
Cost to maintain practices (i.e. control erosion and undesirable species)	◯	◯	◯	◯
Annual compensation	◯	◯	◯	◯
Management complexity	◯	◯	◯	◯
Seeding specification (amount of seed, variety)	◯	◯	◯	◯
Other	◯	◯	◯	◯

36. If you answered other, please provide your barrier to participation in the CRP program.

37. Are the CRP seeding options satisfactory? *

- ◯ Yes
- ◯ No

38. If you answered no, please indicate what is unsatisfactory (i.e. cost, species availability, species variety, seeding rates, etc.)

39. Please indicate the level of difficulty in completing the following management practices. *

	Not difficult	Mildly difficult	Moderately difficult	Difficult	Extremely difficult
Burning CRP	◯	◯	◯	◯	◯
Discing	◯	◯	◯	◯	◯
Spraying	◯	◯	◯	◯	◯
Inter-seeding forb/legumes	◯	◯	◯	◯	◯
Grazing for management	◯	◯	◯	◯	◯

40. For any management options that you ranked as a Difficult or Extremely Difficult, please indicate what you feel makes them difficult to complete.

Comments, Concerns, Suggestions for LWG Questionnaire

Internal use for identifying and developing questions of interest and suggestions for evolving the questionnaire before deployment.

41. Did you find any errors in the questionnaire? (i.e. links not taking you to the next questions or links taking you to questions that didn't make sense to the order)

42. Are there any additional questions you feel should be included that would be pertinent to the decisions to be made by the Local Working Groups.

43. Are there any questions that you feel we should eliminate on the questionnaire?

44. We would love to have your feedback concerning our New and Improved Local Working Group Data Collection questionnaire we are developing. Please provide any comments, concerns, and constructive criticism below.

45. Would you be willing to attend an in-person local work group meeting in your county to assist in determining priority natural resource concerns and conservation practices? If you answered yes, please include your name and phone number or email address.