

Ranking Category – WATER QUALITY

Primary Resource Concerns –

- **Water Quality – Excessive Nutrients and Organics in Groundwater**
- **Water Quality – Excessive Nutrients and Organics in Surface Water**
- **Water Quality – Harmful Levels of Pesticides in Groundwater**
- **Water Quality – Harmful Levels of Pesticides in Surface Water**
- **Water Quality – Excessive Suspended Sediment and Turbidity in Surface Water**
- **Soil Erosion – Streambank**

Secondary Resource Concern –

- **Fish and Wildlife – Threatened and Endangered Species, Declining Species, Species of Concern**

Eligible Land Uses –

- **Crop, Grazed Range, Hay, and Pasture**

Additional Requirements for this Category –

- **The Kansas Environmental Quality Incentives Program (EQIP) Self-Assessment Worksheet will be completed and signed by the applicant prior to the evaluation period cut-off date to be considered for funding.**

State Issues –

If applicable, answer ONE of the following two questions related to Kansas Geological Survey (KGS) identified sensitive groundwater areas. If neither applies, leave the answers “NO”:

- (1a) Greater than or equal to 50.0 percent of the unit of concern is located within a KGS identified sensitive groundwater area. (20 points)
- (1b) Any part of the unit of concern, but less than 50.0 percent, is located within a KGS identified sensitive groundwater area. (15 points)

If applicable, answer ONE of the following four questions related to Total Maximum Daily Loads (TMDL). If none apply, leave the answers “NO”:

- (2a) Greater than or equal to 50.0 percent of the unit of concern is located within a Kansas Department of Health and Environment (KDHE) identified high priority TMDL watershed for eutrophication, dissolved oxygen, nutrients, and/or pesticides AND is targeted to meet the Environmental Protection Agency (EPA) Strategic Plan to improve water quality nationwide by 2012. (30 points)
- (2b) Any part of the unit of concern, but less than 50.0 percent, is located within a KDHE identified high priority TMDL watershed for eutrophication, dissolved oxygen, nutrients, and/or pesticides AND is targeted to meet the EPA Strategic Plan to improve water quality nationwide by 2012. (25 points)

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- (2c) Greater than or equal to 50.0 percent of the unit of concern is located within a KDHE identified high priority TMDL watershed for eutrophication, dissolved oxygen, nutrients, and/or pesticides but is NOT a TMDL targeted to meet the EPA Strategic Plan. (20 points)
- (2d) Any part of the unit of concern, but less than 50.0 percent, is located within a KDHE identified high priority TMDL watershed for eutrophication, dissolved oxygen, nutrients, and/or pesticides but is NOT a TMDL targeted to meet the EPA Strategic Plan. (15 points)

If applicable, answer ONE of the following two questions related to Kansas Source Water Assessment Areas. If neither applies, leave the answers “NO”:

- (3a) Greater than or equal to 50 percent of the unit of concern is located within a Kansas Source Water Assessment Area. (20 points)
- (3b) Any part of the unit of concern, but less than 50.0 percent, is located within a Kansas Source Water Assessment Area. (15 points)

Receiving water body is defined as permanent water bodies greater than 0.5 acre in size; rivers; streams, including United States Geological Survey blue line intermittent streams; and Food Security Act wetlands for which hydrology has not been altered. If applicable, answer ONE of the following two questions related to receiving water bodies. If neither applies, leave the answers “NO”:

- (4a) Any part of the unit of concern is located within 180.0 feet of a receiving water body or has a soil with Frequent flood frequency. (15 points)
- (4b) Any part of the unit of concern is located between 180.1 to 300 feet, but not within 180.0 feet, of a receiving water body or has a soil with Occasional flood frequency. (10 points)

If applicable, answer ONE of the following two questions related to nitrate leaching potential. If neither applies, leave the answers “NO”:

- (5a) A HIGH nitrate leaching potential exists for greater than or equal to 50.0 percent of the unit of concern. (350 points)
- (5b) A combination of MEDIUM and/or HIGH nitrate leaching potential exists for greater than or equal to 50.0 percent of the unit of concern. (170 points)

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If applicable, answer ONE of the following two questions related to Potential Soil Loss Index (PSLI). If neither applies, leave the answers “NO”:

- (6a) PSLI of HIGH exists for greater than or equal to 50.0 percent of the unit of concern. (350 points)
- (6b) A combination of MEDIUM and/or HIGH PSLI exists for greater than or equal to 50.0 percent of the unit of concern. (170 points)

Answer the following question related to at-risk species:

- (7) Any part of the unit of concern is located within an at-risk species habitat area for Topeka Shiner, Arkansas Darter, Neosho Mucket Mussel, and/or Neosho Madtom and treatment of the resource concern will benefit the at-risk species. (10 points)

If applicable, answer ONE of the following four questions related to drainage into federal reservoirs. If none apply, leave the answers “NO”:

- (8a) The entire unit of concern (100.0 percent) is located within a hydrologic unit code (HUC) 11 drainage that is directly adjacent to a federal reservoir or the HUC 11 of the Smoky Hill River from Kanopolis Lake to the Kansas River. (20 points)
- (8b) The entire unit of concern (100.0 percent) is located in a HUC 8 main stem drainage that is upstream of a federal reservoir, above the HUC 11 drainage that is directly adjacent to the federal reservoir. (10 points)
- (8c) Any part of the unit of concern, but less than 100.0 percent, is located within a hydrologic unit code (HUC) 11 drainage that is directly adjacent to a federal reservoir, or the HUC 11 of the Smoky Hill River from Kanopolis Lake to the Kansas River. (15 points)
- (8d) Any part of the unit of concern, but less than 100.0 percent, is located in a HUC 8 main stem drainage that is upstream of a federal reservoir, above the HUC 11 drainage that is directly adjacent to the federal reservoir. (5 points)

Answer the following question related to partner funding assistance:

- (9) Producer has secured funding for portions of the project from other contributors, which may include, but is not limited to, conservation districts, United States Fish and Wildlife Service, Kansas Alliance for Wetlands and Streams, or other cost-share programs. (5 points)

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Answer EACH of the following four questions related to nutrient management and wastewater application:

- (10) The nutrient management plan includes the application of livestock waste that will be applied by injection/subsurface application. (5 points)
- (11) As a part of the nutrient management plan, split nitrogen applications will be implemented for all applicable nutrient applications in the rotation, to provide nutrients at the time for maximum crop utilization. (5 points)
- (12) The nutrient management plan includes the application of nitrogen by band applying for all applicable nutrient applications in the rotation. (5 points)
- (13) Waste water applied by irrigation will use an approved irrigation scheduling system. (5 points)

Answer the following question related to applications considered joint agreements:

- (14) Application is a joint agreement, as defined in the Conservation Programs Manual, Section 512.41, with multiple participants in the effort of streambank stabilization. (20 points)

The following question **MUST BE ANSWERED "YES"** in order for this application to be considered eligible for this resource concern:

- The appropriate Kansas Self-Assessment Worksheet(s) has been completed, signed, and returned to the Natural Resources Conservation Service by the applicant prior to the application evaluation period cut-off date.