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Ranking Tool Summary

for FY2018 - FY 2016 NWQI Upper Troublesome Creek (Draft)

Description:

EQIP 2018. This ranking tool is to be used when ranking EQIP 2018 National Water Quality applications in Upper Troublesome Creek.

Land Uses:

Crop, Farmstead, Forest, Pasture

Efficiency Score:

Scoring Multiplier: 132.500

Scoring Ranges and Results Text:

High: 100 - 70	Medium: 69 - 30	Low: 29 - 0
100-70	69-30	29-0

Optional Notes:

National Priorities:

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 250 - 175	Medium: 174 - 100	Low: 99 - 0
250-175	174-100	99-0

Questions:

Number	Question	Points
1	a. Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is "Yes", do not answer any other national level questions. If answer is "No", proceed with evaluation to address the remaining questions in this section.	250
2	a. Implementing the practices in a Comprehensive Nutrient Management Plan (CNMP)?	15
2	b. Implementing the practices in a Nutrient Management Plan (NMP)?	10
2	c. Reducing impacts from sediment, nutrients, salinity, or pesticides on land adjoining a designated "impaired water body" (TMDL, 303d listed waterbody, or other State designation)?	10
2	d. Reducing the impacts from sediment, nutrients, salinity, or pesticides in a "non-impaired water body"?	10
2	e. Implementing practices that improve water quality through animal mortality and carcass management?	10
3	a. Implementing irrigation practices that reduce aquifer overdraft.	15
3	b. Implementing irrigation practices that reduce on-farm water use?	10
3	c. Implementing practices in an area where the applicant participates in a geographically established or watershed-wide project?	10
3	d. Implementing practices that reduce on-farm water use as a result of changing to crops with lower water consumptive use, the rotation of crops, or the modification of cultural operations?	10
4	a. Meeting on-farm regulatory requirements relating to air quality or proactively avoid	10

	the need for regulatory measures?	
4	b. Implementing practices that reduce on-farm emissions of particulate matter (PM2.5, PM10)?	10
4	c. Implementing practices that reduce on-farm generated greenhouse gases such as carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O)?	10
4	d. Implementing practices that increase on-farm carbon sequestration?	10
5	a. Reduce erosion to tolerable limits (Soil "T")?	10
5	b. Increasing organic matter and carbon content, and improving soil tilth and structure?	10
6	a. Implementing practices benefitting threatened and endangered, at-risk, candidate, or species of concern.	10
6	b. Implementing practices that retain wildlife and plant habitat on land exiting the Conservation Reserve Program (CRP) or other set-aside program?	10
6	c. Implementing practices benefitting honey bee populations or other pollinators?	10
6	d. Implementing land-based practices that improve habitat for aquatic wildlife?	10
7	a. Implementing practices that result in the management control of noxious or invasive plant species on non-cropland?	10
7	b. Implementing practice in an Integrated Pest Management Plan (IPM)?	10
8	a. Reducing on-farm energy consumption?	10
8	b. Implementing practice(s) identified in an approved AgEMP or energy audit, which meet ASABE S612 criteria?	10
9	a. Enhancement of existing conservation practice(s) or conservation systems already in place at the time the application is received?	10
	Total Points	500

State Issues:

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 400 - 200	Medium: 199 - 100	Low: 99 - 0
400-200	199-100	99-0

Questions:

Sub-heading Number	Question Number	Question	Points
	1	Is the program application for development of a TSP-prepared CAP? If answer is "Yes," do not answer any other State-level questions. If answer is "No," proceed with evaluation to address the remaining questions in this section.	400
	2	Does the application include core conservation practices that will be implemented within ¼ mile of a stream or water body that is threatened (i.e., receives significant runoff of excess nitrogen or phosphorous) and on the EPA 303(d) list, or listed as impaired with a TMDL in place and therefore not on the 303(d) list, or specified as a critical stream or water body authorized by the Regional Conservationist?	100
	3	Do more than 75 percent of the acres treated meet both of the following criteria? i. Located within a NWQI watershed ii. Have at least one core conservation practice planned on them	125
	4	Are core conservation practices planned for the applicant's treated acres within an existing non-USDA water quality project area addressing the same or similar pollutants?	75
	5	Does this program application include the implementation of a system of conservation practices that address the NWQI primary resource concerns?	50

	6	Are core conservation practices to be implemented on offered acres with a majority of soil types that are classified Hydrologic Group D (high runoff) or Group A (high infiltration)?	50
Maximum Points: 400 Total Points			800

Local Issues:

Scoring Multiplier: 1.000

Scoring Ranges and Results Text:

High: 250 - 175	Medium: 174 - 100	Low: 99 - 0
250-175	174-100	99-0

Questions:

Sub-heading Number	Question Number	Question	Points
	1	Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is "Yes", do not answer any other local level questions. If answer is "No", proceed with evaluation to address the remaining questions in this section.	250
	2	Will practices be implemented to address livestock related resource concerns?	63
	3	Will the implementation of planned conservation practices on at least 25% of the offered acres result in the existence of a conservation system where at least one practice exists in each of the Avoid, Control and Trap categories?	63
	4	Will a cover crop (340) be utilized on at least 25% of the offered acres?	62
	5	Will nutrient management (590) be implemented in conjunction with erosion control practices to control the loss of nitrogen and phosphorus from fields?	62
Maximum Points: 250 Total Points			500

Selected Resource Concerns and Practices:

Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water

Drainage Water Management Plan - Written (130)

Structure for Water Control (587)

Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost

Applications in Surface Water

Access Control (472)

Animal Mortality Facility (316)

Composting Facility (317)

Comprehensive Nutrient Management Plan - (102)

Fence (382)

Pumping Plant (533)

Roofs and Covers (367)

Spring Development (574)

Waste Facility Closure (360)

Waste Separation Facility (632)

Waste Storage Facility (313)

Waste Transfer (634)

Waste Treatment Lagoon (359)

Watering Facility (614)

Water Quality Degradation: Excessive Sediment in Surface Water

Access Control (472)

Brush Management (314)

- Conservation Cover (327)
- Conservation Crop Rotation (328)
- Contour Buffer Strips (332)
- Contour Farming (330)
- Cover Crop (340)
- Critical Area Planting (342)
- Diversion (362)
- Fence (382)
- Field Border (386)
- Forage & Biomass Planting (512)
- Forage Harvest Management (511)
- Grade Stabilization Structure (410)
- Grassed Waterway (412)
- Heavy Use Area Protection (561)
- Herbaceous Weed Control (315)
- Integrated Pest Management (595)
- Mulching (484)
- Pond (378)
- Prescribed Grazing (528)
- Residue Mgmt, Reduced Till (345)
- Residue Mgmt-No-Till (329)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Stream Crossing (578)
- Stripcropping (585)
- Structure for Water Control (587)
- Subsurface Drain (606)
- Terrace (600)
- Tree/Shrub Establishment (612)
- Underground Outlet (620)
- Water and Sediment Control Basin (638)
- Water Well (642)
- Water Quality Degradation: Nutrients in Surface water
 - Alley Cropping (311)
 - Comprehensive Nutrient Management Plan - (102)
 - Drainage Water Management (554)
 - Drainage Water Management Plan - Written (130)
 - Filter Strip (393)
 - Hedgerow Planting (422)
 - Irrigation Land Leveling (464)
 - Irrigation Pipeline (430)
 - Irrigation System, Microirrigation (441)
 - Irrigation System, Surface and Subsurf (443)
 - Irrigation Water Management (449)
 - Irrigation Water Management Plan - Writt (118)
 - Livestock Pipeline (516)
 - Nutrient Management (590)
 - Nutrient Management Plan - Written (104)
 - Prescribed Burning (338)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Sprinkler System (442)
 - Well Decommissioning (351)
 - Windbreak/Shelterbelt Establishment (380)
- Water Quality Degradation: Pesticides in Groundwater
 - Drainage Water Management (554)