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Ranking Tool Summary for FY2016 - Upper East Passage (Draft)

Description:

Welcome to the Upper East Passage National Water Quality Initiative AERT.

Land Uses:

Crop, Farmstead, Forest, Pasture

Efficiency Score:

Scoring Multiplier: 100.000

Optional Notes:

National Priorities:

Scoring Multiplier: 1.150

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 the need for regulatory measures?	10
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,	10

	or species of concern.	
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: 1.150

Questions:

Sub-heading Number	Question Number	Question	Points
1		If the application is for development of a conservation activity plan (CAP), the agency will assign significant ranking priority and conservation benefit by answering "Yes" to the following question. Answering "Yes" to question 1a will result in the application being awarded the maximum amount of points that can be earned for the State priority category	
	1	a. 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 1a. Is the program application for development of a TSP-prepared Conservation Activity Plan (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		Water Quality – EPA Watersheds:	
	2	a. 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		Geographic Impacts:	
	3	a. Are more than 75 percent of the acres treated i. Located within a NWQI watershed AND ii. Do they have at least one core conservation practice planned on them?	125
4		Collaborative Efforts:	
	4	a: 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		Effort to Address Watershed Impairments:	
	5	5a: Does this program application include the implementation of a system of conservation practices which address the NWQI primary resource concerns?	50
6		High-Risk Soils:	
	6	a: Are core conservation practices to be implemented on offered acres with	50

		a majority of soil types that are classified Hydrologic Group D (high runoff) or Group A (high infiltration)?	
		Maximum Points:	Total Points: 800

Local Issues:

Scoring Multiplier: 0.720

Questions:

Sub-heading Number	Question Number	Question	Points
	1	Is the operation located in a watershed of drinking water supply reservoir, surface water quality or water conservation issues are being addressed with proposed practices? The practice must be listed in in the Resource Concern AERT Matrix for the NWQI.	40
	2	Is the operation located in a groundwater area mapped GAA or community wellhead and ground water quality issues are being addressed with proposed practices? The practice must be listed in in the Resource Concern AERT Matrix for the NWQI.	40
	3	Is the operation located in a watershed affecting class SA waters impacted by agriculture and water quality issues are being addressed with proposed practices? The practice must be listed in in the Resource Concern AERT Matrix for the NWQI.	40
	4	Based upon the current 303d list is the operation located within 300 feet of the impaired waterbody or tributary thereto or is hydrogically connected that is directly impaired by nutrients (dissolved oxygen or excessive algal growth), pesticides, turbidity or other agricultural pollutants such as bacteria/pathogens and the particular water quality issue(s)) is being addressed with proposed practices? The practice must be listed in in the Resource Concern AERT Matrix for the NWQI.	40
	5	Is the site located within 300 feet of cold water fishery or Special Resource Protection Waters (SRPW) where water quality and/or water conservation practices are needed to improve and/or protect one of the identified SRPW categories listed (Ecological Habitat, Critical Habitat (Rare and Endangered Species), Unique Freshwater Wetland, and Drinking Water Supply)? See Rhode Island Bulletin No. 300-10-7 for a listing of the SRPW. The practice must be listed in in the Resource Concern AERT Matrix for the NWQI.	40
	6	Will soil erosion or soil conservation practices have a positive effect on prime farmland soils or a soil of statewide importance as listed by Rhode Island NRCS?	40
	7	Will planned practices address water quality and/or water quantity resource concerns that are within 300 feet of a private well or other surface waters/wetlands?	40
	8	Is the project located within one of the watersheds of the nine Newport Water Supply Reservoirs?	40
	9	Has the applicant previously developed a Conservation Activity Plan (CAP) and is going to implement it under this contract?	80
		Maximum Points:	Total Points: 400

Selected Resource Concerns and Practices:

- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Habitat Continuity (Space)
 - Access Control (472)
 - Alley Cropping (311)
 - Brush Management (314)
 - Conservation Cover (327)

Conservation Crop Rotation (328)
 Constructed Wetland (656)
 Contour Buffer Strips (332)
 Cover Crop (340)
 Critical Area Planting (342)
 Dam (402)
 Dike (356)
 Field Border (386)
 Filter Strip (393)
 Grassed Waterway (412)
 Hedgerow Planting (422)
 Herbaceous Weed Control (315)
 Pond (378)
 Prescribed Burning (338)
 Prescribed Grazing (528)
 Residue Mgmt, Mulch Till (345)
 Residue Mgmt-No-Till/Strip Till/Direct S (329)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Silvopasture Establishment (381)
 Spring Development (574)
 Stream Habitat Improvement and Managemen (395)
 Streambank and Shoreline Protection (580)
 Vegetative Barrier (601)
 Watering Facility (614)
 Windbreak/Shelterbelt Establishment (380)

Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water

Access Control (472)
 Animal Trails and Walkways (575)
 Dam (402)
 Dike (356)
 Grade Stabilization Structure (410)
 Grassed Waterway (412)
 Hillside Ditch (423)
 Irrigation Storage Reservoir (436)
 Irrigation System, Microirrigation (441)
 Irrigation System, Sprinkler (442)
 Irrigation System, Surface and Subsurfac (443)
 Obstruction Removal (500)
 Pond (378)
 Pond Sealing or Lining, Bentonite Sealan (521C)
 Pond Sealing or Lining, Flexible Membran (521A)
 Restoration and Management of Declining (643)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Runoff Management System (570)
 Sediment Basin (350)
 Spring Development (574)
 Stream Habitat Improvement and Managemen (395)
 Structure for Water Control (587)
 Vegetative Barrier (601)
 Water and Sediment Control Basin (638)
 Water Well (642)
 Watering Facility (614)
 Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Wetland Wildlife Habitat Management (644)

Water Quality Degradation: Elevated Water Temperature

Access Control (472)
 Comprehensive Nutrient Management Plan - (102)

- Drainage Water Management Plan - Written (130)
- Hedgerow Planting (422)
- Herbaceous Weed Control (315)
- Irrigation Water Management Plan - Writt (118)
- Nutrient Management Plan - Written (104)
- Obstruction Removal (500)
- Pond Sealing or Lining, Bentonite Sealant (521C)
- Prescribed Grazing (528)
- Restoration and Management of Declining (643)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Silvopasture Establishment (381)
- Stream Habitat Improvement and Management (395)
- Streambank and Shoreline Protection (580)
- Structure for Water Control (587)
- Tree/Shrub Establishment (612)
- Water Well (642)
- Watering Facility (614)
- Well Water Testing (355)
- Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
 - Access Control (472)
 - Animal Mortality Facility (316)
 - Composting Facility (317)
 - Comprehensive Nutrient Management Plan - (102)
 - Conservation Cover (327)
 - Constructed Wetland (656)
 - Cover Crop (340)
 - Filter Strip (393)
 - Herbaceous Weed Control (315)
 - Irrigation System, Microirrigation (441)
 - Irrigation System, Sprinkler (442)
 - Irrigation System, Surface and Subsurface (443)
 - Irrigation Water Management (449)
 - Manure Transfer (634)
 - Nutrient Management (590)
 - Nutrient Management Plan - Written (104)
 - Obstruction Removal (500)
 - Pond Sealing or Lining, Bentonite Sealant (521C)
 - Pond Sealing or Lining, Flexible Membrane (521A)
 - Prescribed Grazing (528)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Silvopasture Establishment (381)
 - Tree/Shrub Establishment (612)
 - Underground Outlet (620)
 - Waste Facility Closure (360)
 - Waste Facility Cover (367)
 - Waste Storage Facility (313)
 - Waste Treatment (629)
 - Waste Utilization (633)
 - Water Well (642)
 - Water Well Decommissioning (351)
- Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water
 - Access Control (472)
 - Anaerobic Digester (366)
 - Animal Mortality Facility (316)
 - Animal Trails and Walkways (575)
 - Composting Facility (317)
 - Comprehensive Nutrient Management Plan - (102)

Conservation Cover (327)
 Conservation Crop Rotation (328)
 Constructed Wetland (656)
 Contour Buffer Strips (332)
 Contour Farming (330)
 Cover Crop (340)
 Diversion (362)
 Drainage Water Management Plan - Written (130)
 Fence (382)
 Field Border (386)
 Filter Strip (393)
 Grassed Waterway (412)
 Heavy Use Area Protection (561)
 Herbaceous Weed Control (315)
 Irrigation System, Microirrigation (441)
 Irrigation System, Sprinkler (442)
 Irrigation System, Surface and Subsurfac (443)
 Irrigation Water Management (449)
 Manure Transfer (634)
 Nutrient Management (590)
 Nutrient Management Plan - Written (104)
 Obstruction Removal (500)
 Pasture and Hay Planting (512)
 Pipeline (516)
 Pond Sealing or Lining, Bentonite Sealant (521C)
 Pond Sealing or Lining, Flexible Membran (521A)
 Prescribed Grazing (528)
 Residue Mgmt, Mulch Till (345)
 Residue Mgmt-No-Till/Strip Till/Direct S (329)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Roof Runoff Structure (558)
 Runoff Management System (570)
 Sediment Basin (350)
 Silvopasture Establishment (381)
 Streambank and Shoreline Protection (580)
 Stripcropping (585)
 Terrace (600)
 Tree/Shrub Establishment (612)
 Vegetative Barrier (601)
 Vegetative Treatment Area (635)
 Waste Storage Facility (313)
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Lined Waterway or Outlet (468)
Mulching (484)
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Obstruction Removal (500)
Open Channel (582)
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