

Ranking Tool Summary

for FY2014 - Livestock

(Released 12/16/2013)

Description:

Land Uses:

Crop, Farmstead, Pasture

Efficiency Score:

Scoring Multiplier: 100.000

Optional Notes:

National Priorities:

Scoring Multiplier: 1.000

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. Meet regulatory requirements relating to animal feeding operations, or proactively avoid the need for regulatory measures?	15
2	b. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a designated "impaired water body" (TMDL, 303d, etc.)?	15
2	c. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a "non-impaired water body"?	5
3	a. Decrease aquifer overdraft?	15
3	b. Conserve water from irrigation system improvements and saved water will be available for other beneficial uses?	10
3	c. Conserve water in an area where the applicant participates in a geographically established or watershed-wide project?	5
4	a. Meet on-farm regulatory requirements relating to air quality or proactively avoid the need for regulatory measures?	15
4	b. Reduce on-farm generated green house gases such as CO ₂ (Carbon Dioxide), CH ₄ (Methane), and N ₂ O (Nitrous Oxide)?	15
4	c. Increase on-farm carbon sequestration?	5
5	a. Reduce erosion to tolerable limits (Soil "T")?	15
5	b. Improve soil tilth, organic matter, structure, health, etc.?	5
6	a. Benefit on-farm habitat associated with threatened and endangered, at-risk, candidate, or species of concern as identified in a State wildlife plan?	15
6	b. Help retain wildlife and plant habitat on land exiting the Conservation Reserve Program (CRP)?	10
7	a. Help manage or control noxious or invasive plant species on non-cropland?	10
7	b. Increase, or improve habitat to benefit pollinator or other targeted wildlife species?	10
7	c. Properly dispose of livestock carcasses?	5
7	d. Are identified in an Integrated Pest Management plan?	10
7	e. Are identified in a Nutrient Management plan?	10
7	f. Apply principles of adaptive nutrient management?	5
8	a. Reduce energy consumption on the agricultural operation?	15
8	b. Increase on-farm energy efficiency with practices and improvements identified in an approved energy audit equivalent to criteria required in Ag EMP?	10
8	c. Assist in implementing energy conservation measures that also reduce greenhouse gas emissions and other air pollutants?	10
9	a. Implementation of all conservation practices scheduled in the contract on the CPA-1155 within three years of date of obligation?	10

9	b. Improvement of existing conservation practices or conservation systems already in place at the time the application is accepted?	5
9	c. Implementation of practice(s) which will complete an existing conservation system or suite of practices?	5
Total Points		500

State Issues:

Scoring Multiplier: 1.000

Questions:

Sub-heading Number	Question Number	Question	Points
1		Water: Questions 1-3: Only one Yes allowed - Maximum of 50 points	
	1	The application includes conservation practices that establishes a 35-foot riparian buffer and excludes livestock access to 100% of the water features that flow off of the tract(s) being offered in the application.	50
	2	The application includes conservation practices that establishes a 35-foot riparian buffer and excludes livestock access to less than 100% but more than 50% of the water features that flow off the tract(s) being offered in the application.	40
	3	The application includes conservation practices that establishes a 10-foot set-back and excludes livestock access to 100% of the water features that flow off the tracts(s) being offered in the application.	20
	4	The application includes conservation practices that will eliminate erosion and sedimentation caused by livestock that is reaching water features	10
	5	The application includes conservation practices that will eliminate manure or contaminated run-off from a concentrated livestock area from reaching a water feature or open sinkhole.	40
	6	The application includes practices which results in the storage and proper application of nutrients from animal manures produced on the farm.	75
	7	The application includes practices which will result in the proper disposal and management of animal carcasses in order to reduce adverse impacts on surface and/or groundwater.	20
2		Soil: Questions 1-2: Only one Yes allowed - Maximum of 40 points	
	1	The grazing operation on the tract(s) offered in the application will be managed according to a NEW (not currently under contract) prescribed grazing plan.	40
	2	The grazing operation on the tract(s) offered in the application will be managed according to an Existing (currently in a contract) prescribed grazing plan.	30
	3	The proposed contract includes Forage and Biomass Planting that will establish at least 10% of grazing land in perennial warm season grasses.	20
	4	The application includes conservation practices that convert marginal grazing land to trees.	30
	5	The proposed contract includes at least one practice that improves the quality and quantity of forages.	15
	6	The application includes conservation practices that will address and reduce soil erosion on bare or unprotected soil.	5
3		Plants	
	1	The grazing operation has at least 2.5 acres of available pasture for each animal unit currently grazing on the tract(s) offered in the application. (not implementing a prescribed grazing plan)	20
	2	The application includes Nutrient Management that will be implemented on the tracts (s) offered in the application.	10
4		Animals: Questions 1-2: Only one Yes allowed - Maximum of 15 points	
	1	The application includes new watering facilities, which, when installed, will provide water within <= 800' of all pastures/paddocks as indicated on the conervation plan map.	15
	2	The application includes new watering facilities, which, when installed, will provide water within > 800' of all pastures/paddocks as indicated on the conervation plan map.	10
	3	The application includes at least one conservation practice that will directly benefit wildlife.	10

5		Air	
	1	The application includes Amendment for Treatment of Agricultural Waste in order to reduce emission of greenhouse gases to the air.	25
	2	The application includes Windbreak Establishment in order to control odors.	15
Maximum Points: 400			Total Points 500

Local Issues:

Scoring Multiplier: 1.000

Questions:

Sub-heading Number	Question Number	Question	Points
1		Previous Contract Performance and Program Participation	
	1	The applicant has had a Farm Bill contract terminated within the past 3 years.	-100
	2	The applicant has had a Farm Bill contract cancelled within the past 2 years.	-50
	3	The applicant has an existing Farm Bill contract that was behind schedule at the end of the application cut-off period.	-75
	4	The proposed contract would be the applicant's first contract.	35
2		Geographic and Resource Priorities	
	1	The area being considered for the contract is within an impaired watershed shown on the "Impaired Waters of Virginia" Toolkit GIS layer.	65
	2	The area being considered is within the Chesapeake Bay watershed.	45
	3	Will the project occur within 2 miles of and benefit a species that is in the Toolkit layer T&E species (either DGIF or Natural Heritage)?	40
3		Proactive Conservation Planning (It is understood that, by definition, all plans address all identified resource concerns and land within the application, and must meet all Virginia technical standards, specifications and other required criteria.) Questions 1-3: Only one Yes allowed - maximum of 65 points	
	1	A Comprehensive Nutrient Management Plan (CNMP) has been completed for the current operation PRIOR to the EQIP application cut-off date. The CNMP has been signed and dated by the applicant and the approved certified CNMP Conservation Planner.	65
	2	A Conservation Plan has been developed PRIOR to the EQIP application cutoff date. The conservation plan addresses the same resource concerns and is signed and dated by the applicant and certified conservation planner.	45
	3	A Nutrient Management Plan (NMP) has been completed for the current operation PRIOR to the EQIP application cut-off date. The NMP has been signed and dated by the applicant and VA Certified Nutrient Management Planner.	35
Maximum Points: 250			Total Points 105

Selected Resource Concerns and Practices:

Air Quality Impacts: Emissions of Greenhouse Gases (GHGs)

- Access Control (472)
- Amendments for Treatment of Ag Waste (591)
- Anaerobic Digester (366)
- Animal Mortality Facility (316)
- Brush Management (314)
- Composting Facility (317)
- Conservation Cover (327)
- Critical Area Planting (342)
- FARMSTEAD ENERGY IMPROVEMENT (374)
- Fence (382)
- Field Border (386)
- Filter Strip (393)
- Firebreak (394)
- Forage and Biomass Planting (512)
- Grassed Waterway (412)
- Hedgerow Planting (422)
- Herbaceous Weed Control (315)

Nutrient Management (590)
 Prescribed Burning (338)
 Prescribed Grazing (528)
 Pumping Plant (533)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Roofs and Covers (367)
 Silvopasture Establishment (381)
 Streambank and Shoreline Protection (580)
 Tree/Shrub Establishment (612)
 Waste Facility Closure (360)
 Waste Separation Facility (632)
 Waste Storage Facility (313)
 Waste Treatment (629)
 Waste Treatment Lagoon (359)
 Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Windbreak/Shelterbelt Establishment (380)

Air Quality Impacts: Emissions of Ozone Precursors

Access Control (472)
 Amendments for Treatment of Ag Waste (591)
 Anaerobic Digester (366)
 Animal Mortality Facility (316)
 Composting Facility (317)
 Conservation Cover (327)
 FARMSTEAD ENERGY IMPROVEMENT (374)
 Firebreak (394)
 Nutrient Management (590)
 Pumping Plant (533)
 Roofs and Covers (367)
 Waste Facility Closure (360)
 Waste Separation Facility (632)
 Waste Storage Facility (313)
 Waste Transfer (634)
 Waste Treatment (629)
 Waste Treatment Lagoon (359)

Air Quality Impacts: Emissions of Particulate Matter (PM) and PM Precursors

Access Control (472)
 Amendments for Treatment of Ag Waste (591)
 Composting Facility (317)
 Conservation Cover (327)
 Critical Area Planting (342)
 FARMSTEAD ENERGY IMPROVEMENT (374)
 Field Border (386)
 Filter Strip (393)
 Firebreak (394)
 Forage and Biomass Planting (512)
 Heavy Use Area Protection (561)
 Hedgerow Planting (422)
 Mulching (484)
 Nutrient Management (590)
 Prescribed Grazing (528)
 Pumping Plant (533)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Roofs and Covers (367)
 Silvopasture Establishment (381)
 Tree/Shrub Establishment (612)
 Tree/Shrub Site Preparation (490)
 Waste Facility Closure (360)
 Waste Separation Facility (632)
 Waste Storage Facility (313)
 Waste Transfer (634)
 Waste Treatment (629)
 Waste Treatment Lagoon (359)
 Windbreak/Shelterbelt Establishment (380)

Air Quality Impacts: Objectionable Odors

Amendments for Treatment of Ag Waste (591)

Anaerobic Digester (366)

Animal Mortality Facility (316)

Composting Facility (317)

Hedgerow Planting (422)

Nutrient Management (590)

Prescribed Burning (338)

Prescribed Grazing (528)

Roofs and Covers (367)

Silvopasture Establishment (381)

Tree/Shrub Establishment (612)

Waste Facility Closure (360)

Waste Separation Facility (632)

Waste Storage Facility (313)

Waste Transfer (634)

Waste Treatment (629)

Waste Treatment Lagoon (359)

Wetland Creation (658)

Wetland Enhancement (659)

Wetland Restoration (657)

Windbreak/Shelterbelt Establishment (380)

Degraded Plant Condition: Excessive Plant Pest Pressure

Access Control (472)

Access Road (560)

Brush Management (314)

Composting Facility (317)

Conservation Cover (327)

Critical Area Planting (342)

Early Successional Habitat Development/M (647)

Field Border (386)

Filter Strip (393)

Firebreak (394)

Heavy Use Area Protection (561)

Hedgerow Planting (422)

Herbaceous Weed Control (315)

Mulching (484)

Prescribed Burning (338)

Prescribed Grazing (528)

Riparian Forest Buffer (391)

Riparian Herbaceous Cover (390)

Streambank and Shoreline Protection (580)

Tree/Shrub Establishment (612)

Tree/Shrub Site Preparation (490)

Waste Transfer (634)

Wetland Creation (658)

Wetland Enhancement (659)

Wetland Restoration (657)

Windbreak/Shelterbelt Establishment (380)

Degraded Plant Condition: Inadequate Structure and Composition

Access Control (472)

Access Road (560)

Animal Trails and Walkways (575)

Brush Management (314)

Conservation Cover (327)

Critical Area Planting (342)

Early Successional Habitat Development/M (647)

Field Border (386)

Filter Strip (393)

Forage and Biomass Planting (512)

Hedgerow Planting (422)

Herbaceous Weed Control (315)

Nutrient Management (590)

Prescribed Burning (338)

Prescribed Grazing (528)

Riparian Forest Buffer (391)

Riparian Herbaceous Cover (390)

Silvopasture Establishment (381)

Streambank and Shoreline Protection (580)

Tree/Shrub Establishment (612)
 Tree/Shrub Site Preparation (490)
 Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Windbreak/Shelterbelt Establishment (380)
 Degraded Plant Condition: Undesirable Plant Productivity and Health
 Access Control (472)
 Access Road (560)
 Amendments for Treatment of Ag Waste (591)
 Animal Trails and Walkways (575)
 Brush Management (314)
 Conservation Cover (327)
 Critical Area Planting (342)
 Diversion (362)
 Early Successional Habitat Development/M (647)
 Fence (382)
 Field Border (386)
 Filter Strip (393)
 Forage and Biomass Planting (512)
 Heavy Use Area Protection (561)
 Hedgerow Planting (422)
 Herbaceous Weed Control (315)
 Livestock Pipeline (516)
 Mulching (484)
 Nutrient Management (590)
 Pond (378)
 Pond Sealing - Clay Treatment (521D)
 Pond Sealing or Lining, Bentonite Sealant (521C)
 Pond Sealing or Lining, Flexible Membrane (521A)
 Prescribed Burning (338)
 Prescribed Grazing (528)
 Pumping Plant (533)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Silvopasture Establishment (381)
 Spring Development (574)
 Streambank and Shoreline Protection (580)
 Subsurface Drain (606)
 Tree/Shrub Establishment (612)
 Tree/Shrub Site Preparation (490)
 Underground Outlet (620)
 Waste Storage Facility (313)
 Waste Treatment (629)
 Waste Treatment Lagoon (359)
 Water Well (642)
 Watering Facility (614)
 Wetland Creation (658)
 Wetland Enhancement (659)
 Wetland Restoration (657)
 Windbreak/Shelterbelt Establishment (380)
 Excess Water: Runoff, Flooding, or Ponding
 Access Road (560)
 Brush Management (314)
 Conservation Cover (327)
 Diversion (362)
 Field Border (386)
 Forage and Biomass Planting (512)
 Heavy Use Area Protection (561)
 Mulching (484)
 Pond (378)
 Prescribed Burning (338)
 Prescribed Grazing (528)
 Pumping Plant (533)
 Riparian Forest Buffer (391)
 Riparian Herbaceous Cover (390)
 Roof Runoff Structure (558)
 Roofs and Covers (367)

- Sediment Basin (350)
- Silvopasture Establishment (381)
- Spring Development (574)
- Structure for Water Control (587)
- Subsurface Drain (606)
- Underground Outlet (620)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)

Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Cover/Shelter

- Access Control (472)
- Brush Management (314)
- Conservation Cover (327)
- Critical Area Planting (342)
- Early Successional Habitat Development/M (647)
- Field Border (386)
- Filter Strip (393)
- Forage and Biomass Planting (512)
- Grade Stabilization Structure (410)
- Hedgerow Planting (422)
- Herbaceous Weed Control (315)
- Mulching (484)
- Nutrient Management (590)
- Pond (378)
- Prescribed Burning (338)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Sediment Basin (350)
- Silvopasture Establishment (381)
- Streambank and Shoreline Protection (580)
- Tree/Shrub Establishment (612)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)

Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Food

- Access Control (472)
- Brush Management (314)
- Conservation Cover (327)
- Critical Area Planting (342)
- Early Successional Habitat Development/M (647)
- Field Border (386)
- Filter Strip (393)
- Forage and Biomass Planting (512)
- Grade Stabilization Structure (410)
- Hedgerow Planting (422)
- Herbaceous Weed Control (315)
- Mulching (484)
- Nutrient Management (590)
- Pond (378)
- Prescribed Burning (338)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Sediment Basin (350)
- Silvopasture Establishment (381)
- Streambank and Shoreline Protection (580)
- Tree/Shrub Establishment (612)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)

Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Habitat Continuity (Space)

- Access Control (472)
- Access Road (560)
- Brush Management (314)
- Conservation Cover (327)

- Critical Area Planting (342)
- Early Successional Habitat Development/M (647)
- Field Border (386)
- Filter Strip (393)
- Firebreak (394)
- Hedgerow Planting (422)
- Herbaceous Weed Control (315)
- Pond (378)
- Prescribed Burning (338)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Silvopasture Establishment (381)
- Spring Development (574)
- Streambank and Shoreline Protection (580)
- Tree/Shrub Establishment (612)
- Watering Facility (614)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
 - Access Control (472)
 - Grade Stabilization Structure (410)
 - Pond (378)
 - Pond Sealing - Clay Treatment (521D)
 - Pond Sealing or Lining, Bentonite Sealant (521C)
 - Pond Sealing or Lining, Flexible Membrane (521A)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Sediment Basin (350)
 - Spring Development (574)
 - Structure for Water Control (587)
 - Water Well (642)
 - Watering Facility (614)
 - Wetland Creation (658)
 - Wetland Enhancement (659)
 - Wetland Restoration (657)
- Inefficient Energy Use: Equipment and Facilities
 - Composting Facility (317)
 - FARMSTEAD ENERGY IMPROVEMENT (374)
 - Pumping Plant (533)
 - Roofs and Covers (367)
 - Underground Outlet (620)
 - Waste Treatment Lagoon (359)
 - Windbreak/Shelterbelt Establishment (380)
- Inefficient Energy Use: Farming/Ranching Practices and Field Operations
 - Composting Facility (317)
 - Livestock Pipeline (516)
 - Prescribed Burning (338)
 - Pumping Plant (533)
 - Riparian Herbaceous Cover (390)
 - Underground Outlet (620)
 - Windbreak/Shelterbelt Establishment (380)
- Insufficient Water: Inefficient Use of Irrigation Water
 - Access Road (560)
 - Amendments for Treatment of Ag Waste (591)
 - Diversion (362)
 - Herbaceous Weed Control (315)
 - Mulching (484)
 - Pond (378)
 - Pond Sealing - Clay Treatment (521D)
 - Pond Sealing or Lining, Bentonite Sealant (521C)
 - Pond Sealing or Lining, Flexible Membrane (521A)
 - Pumping Plant (533)
 - Spring Development (574)
 - Structure for Water Control (587)
 - Subsurface Drain (606)

- Waste Separation Facility (632)
- Waste Storage Facility (313)
- Waste Treatment (629)
- Waste Treatment Lagoon (359)
- Water Well (642)
- Windbreak/Shelterbelt Establishment (380)
- Livestock Production Limitation: Inadequate Feed and Forage
 - Access Control (472)
 - Animal Trails and Walkways (575)
 - Brush Management (314)
 - Early Successional Habitat Development/M (647)
 - Fence (382)
 - Forage and Biomass Planting (512)
 - Herbaceous Weed Control (315)
 - Nutrient Management (590)
 - Prescribed Burning (338)
 - Prescribed Grazing (528)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Silvopasture Establishment (381)
 - Spring Development (574)
 - Stream Crossing (578)
 - Streambank and Shoreline Protection (580)
 - Subsurface Drain (606)
 - Water Well (642)
 - Watering Facility (614)
 - Wetland Creation (658)
 - Wetland Enhancement (659)
 - Wetland Restoration (657)
 - Windbreak/Shelterbelt Establishment (380)
- Livestock Production Limitation: Inadequate Shelter
 - Animal Trails and Walkways (575)
 - Hedgerow Planting (422)
 - Prescribed Burning (338)
 - Prescribed Grazing (528)
 - Riparian Forest Buffer (391)
 - Silvopasture Establishment (381)
 - Tree/Shrub Establishment (612)
 - Tree/Shrub Site Preparation (490)
 - Windbreak/Shelterbelt Establishment (380)
- Livestock Production Limitation: Inadequate Water
 - Amendments for Treatment of Ag Waste (591)
 - Animal Trails and Walkways (575)
 - Livestock Pipeline (516)
 - Nutrient Management (590)
 - Pond (378)
 - Pond Sealing - Clay Treatment (521D)
 - Pond Sealing or Lining, Bentonite Sealant (521C)
 - Pond Sealing or Lining, Flexible Membrane (521A)
 - Pumping Plant (533)
 - Roof Runoff Structure (558)
 - Spring Development (574)
 - Stream Crossing (578)
 - Structure for Water Control (587)
 - Waste Separation Facility (632)
 - Waste Treatment (629)
 - Water Well (642)
 - Watering Facility (614)
- Soil Erosion: Classic Gully Erosion
 - Access Control (472)
 - Access Road (560)
 - Brush Management (314)
 - Conservation Cover (327)
 - Critical Area Planting (342)
 - Diversion (362)
 - Firebreak (394)
 - Grade Stabilization Structure (410)
 - Herbaceous Weed Control (315)

- Karst Sinkhole Treatment (527)
- Mulching (484)
- Pond (378)
- Prescribed Burning (338)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Silvopasture Establishment (381)
- Spring Development (574)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Underground Outlet (620)
- Watering Facility (614)

Soil Erosion: Ephemeral Gully Erosion

- Access Control (472)
- Access Road (560)
- Brush Management (314)
- Conservation Cover (327)
- Critical Area Planting (342)
- Diversion (362)
- Field Border (386)
- Firebreak (394)
- Heavy Use Area Protection (561)
- Herbaceous Weed Control (315)
- Karst Sinkhole Treatment (527)
- Mulching (484)
- Prescribed Burning (338)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Silvopasture Establishment (381)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Underground Outlet (620)
- Waste Transfer (634)
- Water Well (642)
- Watering Facility (614)
- Windbreak/Shelterbelt Establishment (380)

Soil Erosion: Sheet and Rill Erosion

- Access Control (472)
- Brush Management (314)
- Conservation Cover (327)
- Critical Area Planting (342)
- Diversion (362)
- Fence (382)
- Field Border (386)
- Firebreak (394)
- Forage and Biomass Planting (512)
- Heavy Use Area Protection (561)
- Herbaceous Weed Control (315)
- Mulching (484)
- Prescribed Burning (338)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Silvopasture Establishment (381)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Waste Transfer (634)
- Water Well (642)
- Watering Facility (614)

- Windbreak/Shelterbelt Establishment (380)
- Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
 - Access Control (472)
 - Conservation Cover (327)
 - Critical Area Planting (342)
 - Diversion (362)
 - Field Border (386)
 - Grade Stabilization Structure (410)
 - Herbaceous Weed Control (315)
 - Mulching (484)
 - Pond (378)
 - Prescribed Burning (338)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Roof Runoff Structure (558)
 - Silvopasture Establishment (381)
 - Spring Development (574)
 - Stream Crossing (578)
 - Streambank and Shoreline Protection (580)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Underground Outlet (620)
 - Watering Facility (614)
- Soil Erosion: Wind Erosion
 - Access Control (472)
 - Brush Management (314)
 - Conservation Cover (327)
 - Critical Area Planting (342)
 - Field Border (386)
 - Firebreak (394)
 - Forage and Biomass Planting (512)
 - Heavy Use Area Protection (561)
 - Hedgerow Planting (422)
 - Herbaceous Weed Control (315)
 - Mulching (484)
 - Prescribed Burning (338)
 - Prescribed Grazing (528)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Silvopasture Establishment (381)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Tree/Shrub Site Preparation (490)
 - Waste Transfer (634)
 - Water Well (642)
 - Watering Facility (614)
 - Windbreak/Shelterbelt Establishment (380)
- Soil Quality Degradation: Compaction
 - Access Control (472)
 - Access Road (560)
 - Conservation Cover (327)
 - Critical Area Planting (342)
 - Fence (382)
 - Field Border (386)
 - Filter Strip (393)
 - Firebreak (394)
 - Forage and Biomass Planting (512)
 - Heavy Use Area Protection (561)
 - Hedgerow Planting (422)
 - Nutrient Management (590)
 - Prescribed Grazing (528)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Spring Development (574)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Tree/Shrub Site Preparation (490)
 - Waste Storage Facility (313)

- Waste Transfer (634)
- Waste Treatment (629)
- Waste Treatment Lagoon (359)
- Windbreak/Shelterbelt Establishment (380)
- Soil Quality Degradation: Organic Matter Depletion
 - Access Control (472)
 - Amendments for Treatment of Ag Waste (591)
 - Conservation Cover (327)
 - Critical Area Planting (342)
 - Field Border (386)
 - Filter Strip (393)
 - Firebreak (394)
 - Forage and Biomass Planting (512)
 - Hedgerow Planting (422)
 - Mulching (484)
 - Nutrient Management (590)
 - Prescribed Burning (338)
 - Prescribed Grazing (528)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Silvopasture Establishment (381)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Tree/Shrub Site Preparation (490)
 - Waste Separation Facility (632)
 - Waste Storage Facility (313)
 - Waste Treatment (629)
 - Waste Treatment Lagoon (359)
 - Wetland Creation (658)
 - Wetland Enhancement (659)
 - Wetland Restoration (657)
 - Windbreak/Shelterbelt Establishment (380)
- Water Quality Degradation: Elevated Water Temperature
 - Access Control (472)
 - Early Successional Habitat Development/M (647)
 - FARMSTEAD ENERGY IMPROVEMENT (374)
 - Hedgerow Planting (422)
 - Prescribed Grazing (528)
 - Riparian Forest Buffer (391)
 - Riparian Herbaceous Cover (390)
 - Silvopasture Establishment (381)
 - Streambank and Shoreline Protection (580)
 - Structure for Water Control (587)
 - Tree/Shrub Establishment (612)
 - Watering Facility (614)
- Water Quality Degradation: Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater
 - Access Control (472)
 - Amendments for Treatment of Ag Waste (591)
 - Animal Mortality Facility (316)
 - Composting Facility (317)
 - Conservation Cover (327)
 - Filter Strip (393)
 - Karst Sinkhole Treatment (527)
 - Nutrient Management (590)
 - Pond Sealing - Clay Treatment (521D)
 - 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)
 - Roofs and Covers (367)
 - Sediment Basin (350)
 - Silvopasture Establishment (381)
 - Subsurface Drain (606)
 - Tree/Shrub Establishment (612)
 - Waste Facility Closure (360)
 - Waste Separation Facility (632)

- Waste Storage Facility (313)
- Waste Transfer (634)
- Waste Treatment (629)
- Waste Treatment Lagoon (359)
- Water Well Decommissioning (351)
- Watering Facility (614)

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

- Access Control (472)
- Amendments for Treatment of Ag Waste (591)
- Anaerobic Digester (366)
- Animal Mortality Facility (316)
- Composting Facility (317)
- Conservation Cover (327)
- Diversion (362)
- Fence (382)
- Field Border (386)
- Filter Strip (393)
- Forage and Biomass Planting (512)
- Heavy Use Area Protection (561)
- Karst Sinkhole Treatment (527)
- Nutrient Management (590)
- Pond (378)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Silvopasture Establishment (381)
- Spring Development (574)
- Stream Crossing (578)
- Streambank and Shoreline Protection (580)
- Tree/Shrub Establishment (612)
- Underground Outlet (620)
- Waste Separation Facility (632)
- Waste Storage Facility (313)
- Waste Transfer (634)
- Waste Treatment (629)
- Waste Treatment Lagoon (359)
- Water Well (642)
- Watering Facility (614)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)

Water Quality Degradation: Excessive Sediment in Surface Water

- Access Control (472)
- Access Road (560)
- Animal Trails and Walkways (575)
- Brush Management (314)
- Conservation Cover (327)
- Critical Area Planting (342)
- Diversion (362)
- Field Border (386)
- Filter Strip (393)
- Firebreak (394)
- Forage and Biomass Planting (512)
- Grade Stabilization Structure (410)
- Heavy Use Area Protection (561)
- Karst Sinkhole Treatment (527)
- Mulching (484)
- Pond (378)
- Prescribed Burning (338)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Silvopasture Establishment (381)

- Spring Development (574)
- Stream Crossing (578)
- Streambank and Shoreline Protection (580)
- Structure for Water Control (587)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Watering Facility (614)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)

Water Quality Degradation: Nutrients in Groundwater

- Access Control (472)
- Amendments for Treatment of Ag Waste (591)
- Animal Mortality Facility (316)
- Composting Facility (317)
- Conservation Cover (327)
- Critical Area Planting (342)
- Diversion (362)
- Field Border (386)
- Filter Strip (393)
- Karst Sinkhole Treatment (527)
- Mulching (484)
- Nutrient Management (590)
- Pond (378)
- Pond Sealing - Clay Treatment (521D)
- Pond Sealing or Lining, Bentonite Sealant (521C)
- Pond Sealing or Lining, Flexible Membrane (521A)
- Prescribed Burning (338)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Roof Runoff Structure (558)
- Sediment Basin (350)
- Silvopasture Establishment (381)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Waste Facility Closure (360)
- Waste Separation Facility (632)
- Waste Storage Facility (313)
- Waste Transfer (634)
- Waste Treatment (629)
- Waste Treatment Lagoon (359)
- Water Well Decommissioning (351)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)

Water Quality Degradation: Nutrients in Surface water

- Access Control (472)
- Amendments for Treatment of Ag Waste (591)
- Anaerobic Digester (366)
- Animal Mortality Facility (316)
- Composting Facility (317)
- Conservation Cover (327)
- Critical Area Planting (342)
- Field Border (386)
- Filter Strip (393)
- Forage and Biomass Planting (512)
- Heavy Use Area Protection (561)
- Hedgerow Planting (422)
- Karst Sinkhole Treatment (527)
- Mulching (484)
- Nutrient Management (590)
- Pond (378)
- Pond Sealing - Clay Treatment (521D)
- Pond Sealing or Lining, Bentonite Sealant (521C)

