



Ranking Tool Summary

for FY2015 - Livestock - Christiansburg

(Released 11/06/2014)

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. 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, 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 |

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| 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

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 | 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 is being managed according to an existing 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 | 10 |

| | | | |
|---|---|--|--------------|
| | | water within > 800' of all pastures/paddocks as indicated on the conervation plan map. | |
| | 3 | The application includes at least one conservation practice that will directly benefit wildlife or pollinator habitat. | 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: | 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. | 30 |
| 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. | 60 |
| | 2 | The area being considered is within the Chesapeake Bay watershed. | 40 |
| | 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)? | 35 |
| 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 55 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. | 55 |
| | 2 | A Conservation Plan (that includes a prescribed grazing 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 |
| | 4 | Applicant has attended and successfully completed a USDA-NRCS approved Grazing School within the last 5 calender years. (Since January 1, 2010). | 30 |
| | | Maximum Points: | 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 Digestor (366)
- Animal Mortality Facility (316)
- Brush Management (314)
- Composting Facility (317)
- Conservation Cover (327)

Critical Area Planting (342)
 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)
 Trails and Walkways (575)
 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)
 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)
 Access Road (560)
 Amendments for Treatment of Ag Waste (591)
 Composting Facility (317)
 Conservation Cover (327)
 Critical Area Planting (342)
 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)
- Trails and Walkways (575)
- 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)
- Windbreak/Shelterbelt Establishment (380)
- Air Quality Impacts: Objectionable Odors
 - Amendments for Treatment of Ag Waste (591)
 - Anaerobic Digestor (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)
 - 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)
 - 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)
 - 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)
 - 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)
 - Firebreak (394)
 - Forage and Biomass Planting (512)
 - 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 Control (472)
 - Access Road (560)
 - Brush Management (314)

- Conservation Cover (327)
- Diversion (362)
- Field Border (386)
- Forage and Biomass Planting (512)
- Grassed Waterway (412)
- 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)
- Trails and Walkways (575)
- 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
 - Access Road (560)
 - Composting Facility (317)
 - Firebreak (394)
 - Grassed Waterway (412)
 - Pumping Plant (533)
 - Roofs and Covers (367)
 - Silvopasture Establishment (381)

- Tree/Shrub Establishment (612)
- Underground Outlet (620)
- Waste Treatment Lagoon (359)
- Windbreak/Shelterbelt Establishment (380)
- Inefficient Energy Use: Farming/Ranching Practices and Field Operations
 - Access Road (560)
 - Composting Facility (317)
 - Grassed Waterway (412)
 - Livestock Pipeline (516)
 - Prescribed Burning (338)
 - Pumping Plant (533)
 - Riparian Herbaceous Cover (390)
 - Tree/Shrub Establishment (612)
 - 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)
 - Brush Management (314)
 - Early Successional Habitat Development/M (647)
 - Fence (382)
 - Forage and Biomass Planting (512)
 - Grassed Waterway (412)
 - Herbaceous Weed Control (315)
 - Nutrient Management (590)
 - Prescribed Burning (338)
 - Prescribed Grazing (528)
 - Riparian Herbaceous Cover (390)
 - Silvopasture Establishment (381)
 - Spring Development (574)
 - Stream Crossing (578)
 - Streambank and Shoreline Protection (580)
 - Subsurface Drain (606)
 - Trails and Walkways (575)
 - Water Well (642)
 - Watering Facility (614)
 - Wetland Creation (658)
 - Wetland Enhancement (659)
 - Wetland Restoration (657)
 - Windbreak/Shelterbelt Establishment (380)
- Livestock Production Limitation: Inadequate Shelter
 - Access Control (472)
 - Hedgerow Planting (422)
 - Prescribed Burning (338)
 - Prescribed Grazing (528)
 - Silvopasture Establishment (381)

- Tree/Shrub Establishment (612)
- Windbreak/Shelterbelt Establishment (380)
- Livestock Production Limitation: Inadequate Water
- Amendments for Treatment of Ag Waste (591)
- 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)
- Trails and Walkways (575)
- 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)
- Heavy Use Area Protection (561)
- 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)
 - Access Road (560)
 - 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)
 - 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)
- Trails and Walkways (575)
- 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)
- 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)
- Trails and Walkways (575)
- 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)
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)
Stream Crossing (578)
Streambank and Shoreline Protection (580)
Subsurface Drain (606)
Tree/Shrub Establishment (612)
Underground Outlet (620)
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)

Water Quality Degradation: Pesticides in Groundwater

- Conservation Cover (327)
- Diversion (362)
- Field Border (386)
- Filter Strip (393)
- Karst Sinkhole Treatment (527)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Sediment Basin (350)
- Silvopasture Establishment (381)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Water Well Decommissioning (351)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)

Water Quality Degradation: Pesticides in Surface Water

- Access Control (472)
- Brush Management (314)
- Conservation Cover (327)
- Diversion (362)
- Field Border (386)
- Filter Strip (393)
- Forage and Biomass Planting (512)
- Hedgerow Planting (422)
- Karst Sinkhole Treatment (527)
- Mulching (484)
- Prescribed Grazing (528)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Sediment Basin (350)
- Silvopasture Establishment (381)
- Subsurface Drain (606)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)
- Underground Outlet (620)
- Wetland Creation (658)
- Wetland Enhancement (659)
- Wetland Restoration (657)
- Windbreak/Shelterbelt Establishment (380)