

## Ranking Tool Summary for FY2007 - Aquatic At-Risk Species Habitat Conservation

(Draft)

### Description:

This information will be used in ranking EQIP applications for Aquatic At-Risk Species Habitat Conservation for Fiscal Year 2007. All watersheds in the state have been assigned a high, medium or low priority based on the number of threatened and endangered species that may benefit from the practices being installed. A hard copy of the priority watershed list can be obtained at local offices. All in stream work will require permitting before work can start.

### Land Uses:

Crop, Forest, Hay, Pasture, Wildlife

### Efficiency Score:

Scoring Multiplier: 1.00

### National Priorities:

Scoring Multiplier: 10.00

### Questions:

Number	Question	Points
1	Will the treatment you intend to implement using EQIP result in considerable reductions of non-point source pollution, such as nutrients, sediment, pesticides, excess salinity in impaired watersheds consistent with TMDL's where available as well as the reduction of groundwater contamination or point source such as contamination from confined animal feeding operations?	5
2	Will the treatment you intend to implement using EQIP result in the conservation of a considerable amount of ground or surface water resources?	5
3	Will the treatment you intend to implement using EQIP result in a considerable reduction of emissions, such as particulate matter, nitrogen oxides (NOx), volatile organic compounds, and ozone precursors and depleters that contribute to air quality impairment violations of National Ambient Air Quality Standards?	5
4	Will the treatment you intend to implement using EQIP result in a considerable reduction in soil erosion and sedimentation from unacceptable levels on agricultural land?	5

5	Will the treatment you intend to implement using EQIP result in a considerable increase in the promotion of at-risk species habitat conservation?	5
Total Points		25

State Issues:

Scoring Multiplier: 10.00

Questions:

Number	Question	Points
1	Is the practice to be implemented located in a watershed identified as High Priority Watershed on the 2007 TN EQIP Aquatic Priority List?	500
2	Is the practice to be implemented located in a watershed identified as Medium Priority Watershed on the 2007 TN EQIP Aquatic Priority List?	300
3	Is the practice to be implemented located in a watershed identified as Low Priority Watershed on the 2007 TN EQIP Aquatic Priority List?	100
4	Are you going to implement a Riparian Forest Buffer according to Natural Resources Conservation Service (NRCS) Standards? Riparian Forest Buffer must be fenced if livestock are present in order to receive points.	100
5	Is the Riparian Forest Buffer you plan to install adjacent to a 303 (d) listed stream?	20
6	Does the practice you plan to install exclude livestock from streams or provide only limited access to streams according to NRCS Standards?	100
7	Will the practice be installed on or adjacent to a 30 years or longer conservation easement?	15
8	Will the practice provide wildlife habitat corridor connectivity from another buffer meeting NRCS Standards?	15
9	Has the applicant completed and submitted a Conservation Security Program (CSP) Self Assessment?	10
Total Points		1160

Selected Resource Concerns and Practices:

Air Quality: Chemical Drift

Fence (382)  
Filter Strip (393)  
Heavy Use Area Protection (561)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Air Quality: Excessive Greenhouse Gas - CO<sub>2</sub> (carbon dioxide)

Fence (382)  
Heavy Use Area Protection (561)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Watering Facility (614)

Domestic Animals: Inadequate Quantities and Quality of Feed and Forage

Fence (382)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Water Well (642)  
Watering Facility (614)

Domestic Animals: Inadequate Stock Water

Fence (382)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Water Well (642)  
Watering Facility (614)

Domestic Animals: Stress and Mortality

Fence (382)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Water Well (642)  
Watering Facility (614)

Fish and Wildlife: Habitat Fragmentation

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Fish and Wildlife: Inadequate Cover/Shelter

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Fish and Wildlife: Inadequate Food

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Riparian Herbaceous Cover (390)  
Watering Facility (614)

Fish and Wildlife: T&E Species: Declining Species, Species of Concern

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Fish and Wildlife: Threatened and Endangered Fish and Wildlife Species

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Plant Condition: Forage Quality and Palatability

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Plant Condition: Noxious and Invasive Plants

Fence (382)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Watering Facility (614)

Plant Condition: Productivity, Health and Vigor

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Plant Condition: T&E Plant Species: Declining Species, Species of Concern

Fence (382)  
Filter Strip (393)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Soil Condition: Compaction

Fence (382)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Soil Condition: Contaminants-Animal Waste and Other Organics - N

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)

Stream Crossing (578)  
Watering Facility (614)

Soil Condition: Contaminants-Animal Waste and Other Organics - P

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Stream Crossing (578)  
Watering Facility (614)

Soil Condition: Damage from Sediment Deposition

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Herbaceous Cover (390)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Soil Erosion: Classic Gully

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Water Well (642)  
Watering Facility (614)

Soil Erosion: Sheet and Rill

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)

Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Water Well (642)  
Watering Facility (614)

Soil Erosion: Streambank

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Water Well (642)  
Watering Facility (614)

Water Quality: Excessive Nutrients and Organics in Groundwater

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Water Quality: Excessive Nutrients and Organics in Surface Water

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)



Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Water Quality: Excessive Suspended Sediment and Turbidity in Surface Water

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Water Quality: Harmful Levels of Pathogens in Groundwater

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Water Quality: Harmful Levels of Pathogens in Surface Water

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Water Quality: Harmful Temperatures of Surface Water

Fence (382)  
Heavy Use Area Protection (561)  
Pipeline (516)  
Pond (378)  
Riparian Forest Buffer (391)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Water Well (642)  
Watering Facility (614)

Water Quantity: Excessive Runoff, Flooding, or Ponding

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pond (378)  
Riparian Herbaceous Cover (390)  
Streambank and Shoreline Protection (580)  
Watering Facility (614)

Water Quantity: Inefficient Water Use on Non-irrigated Land

Fence (382)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Water Well (642)  
Watering Facility (614)

Water Quantity: Reduced Storage of Water Bodies by Sediment Accumulation

Fence (382)  
Filter Strip (393)  
Grade Stabilization Structure (410)  
Heavy Use Area Protection (561)  
Pond (378)  
Riparian Herbaceous Cover (390)  
Spring Development (574)  
Stream Crossing (578)  
Streambank and Shoreline Protection (580)  
Water Well (642)  
Watering Facility (614)