



## Ranking Tool Summary

### for FY2017 - Forestry - Longleaf/ Shortleaf Pine & Hardwood Mgm (Released 01/07/2017 )

#### Description:

#### Land Uses:

Crop, Forest, 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
8	a. Reducing on-farm energy consumption?	10
8	b. Implementing practice(s) identified in an approved AgEMP or energy audit, which meet	10

	ASABE S612 criteria?	
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 Quality - Excessive Sediment in Surface Water & Elevated Water Temperature. Conversion of cropland, pasture, or abandoned land to forest. Questions 4-5: only ONE yes may be given.	
	1	The proposed contract will result in the conversion of active cropland, pasture or abandoned open land to hardwood, longleaf or shortleaf pine, Tree Shrub Establishment, (Code 612).	100
	2	The proposed contract will result in the conversion of MARGINAL land: active cropland, pasture or abandoned open land to hardwood, longleaf or shortleaf pine, Tree Shrub Establishment, (Code 612). Marginal land has a capability class of 4e or higher.	50
	3	The proposed contract will result in the establishment of a Riparian Forest Buffer, (Code 390). (35' minimum width)	40
	4	The proposed contract will result in the establishment of short leaf pine, (Code 612).	30
	5	The proposed contract will result in the establishment of long leaf pine, (Code 612).	20
2		Soil Erosion	
	1	As a result of the proposed EQIP contract, Critical Area Planting, (Code 342) or Road/Trails/Landing Closure, (Code 654) will re-vegetate and stabilize denuded skid trails, log roads and landings	15
3		Plant Condition - Noxious and Invasive Plants	
	1	As a result of the proposed EQIP contract, listed noxious and/or invasive plants will be treated using Brush Management, (Code 314)	30
4		Plant Condition - Declining Plant Communities of Concern	
	1	As a result of the proposed EQIP contract, Prescribed Burning, (Code 338) will be used to manage Longleaf Pine within the first three (3) years.	20
5		Plant Condition - Woodland Productivity, Health and Vigor	
	1	The proposed contract includes Forest Site Preparation, (Code 490) prior to planting trees.	30
	2	The proposed contract includes Forest Stand Improvement, (Code 666).	15
6		Wildlife Resource Issues - For questions 1-3, only ONE yes answer may be given (use the appropriate habitat evaluation worksheet). For question 4-5, only ONE yes answer may be given.	
	1	The planned habitat is >50 points and at least 60 points higher than the benchmark.	50
	2	The planned habitat is >50 points and at least 40-59 points higher than the benchmark.	40
	3	The planned habitat is >50 points and at least 20-39 points higher than the benchmark.	30
	4	The planned area will serve as a >50 ft wide corridor for wildlife travel, regardless of total acreage.	20
	5	The planned area will serve as a 35-49 ft wide corridor for wildlife travel, regardless of total acreage.	15
		Maximum Points: 400    Total Points	505

## Local Issues:

Scoring Multiplier: 1.000

## Questions:

Sub-heading Number	Question Number	Question	Points
1		The project will improve an existing conservation practices or system, as listed in Conservation Activity Plan (CAP106) or Forestry Stewardship Plan. Only ONE yes answer may be given.	
	1	The proposed contract will result in the implementation of three or more practices in an approved CAP106 or Stewardship Plan.	100
	2	The proposed contract will result in the implementation of at least two practices in an approved CAP106 or Stewardship Plan.	75
	3	The proposed contract will result in the implementation of at least one practice in an approved CAP106 or Stewardship Plan.	50
2		Geographic and Resource Priorities: Chesapeake Bay	
	1	The area being considered is within the Chesapeake Bay Watershed.	25
3		Threatened and Endangered Species	
	1	Will the project occur within 2 miles of, AND provide a direct benefit to a species that is in the Toolkit layer T&E species (either DGIF or Natural Heritage). The direct benefit shall be confirmed by a biologist and documentation exists to substantiate points awarded.	25
4		Continuity of Habitat	
	1	This application pertains to land that is contiguous to a protected area such as a National Forest, Military Base, National Wildlife Refuge, State forest, Heritage Reserve, or land protected by a perpetual conservation easement (e.g. WRP, FRPP, GRP, TNC).	50
	2	Offered area will connect two or more blocks of longleaf or shortleaf pine.	25
	3	Offered acres are adjacent to an existing longleaf or shortleaf pine ecosystem.	25
		Maximum Points: 250      Total Points	375

**Selected Resource Concerns and Practices:**

## Air Quality Impacts: Emissions of Greenhouse Gases (GHGs)

Access Control (472)  
 Brush Management (314)  
 Conservation Cover (327)  
 Critical Area Planting (342)  
 Deep Tillage (324)  
 Fence (382)  
 Field Border (386)  
 Firebreak (394)  
 Forest Stand Improvement (666)  
 Herbaceous Weed Control (315)  
 Prescribed Burning (338)  
 Riparian Forest Buffer (391)  
 Riparian Herbaceous Cover (390)  
 Road/Trail/Landing Closure and Treatment (654)  
 Tree/Shrub Establishment (612)

## Degraded Plant Condition: Excessive Plant Pest Pressure

Access Control (472)  
 Brush Management (314)  
 Conservation Cover (327)  
 Critical Area Planting (342)  
 Early Successional Habitat Development/M (647)  
 Firebreak (394)  
 Forest Stand Improvement (666)  
 Herbaceous Weed Control (315)  
 Prescribed Burning (338)  
 Riparian Forest Buffer (391)  
 Riparian Herbaceous Cover (390)  
 Tree/Shrub Establishment (612)  
 Tree/Shrub Site Preparation (490)

## 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)
- Forest Stand Improvement (666)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Road/Trail/Landing Closure and Treatment (654)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)

## Degraded Plant Condition: Undesirable Plant Productivity and Health

- Access Control (472)
- Brush Management (314)
- Conservation Cover (327)
- Critical Area Planting (342)
- Deep Tillage (324)
- Early Successional Habitat Development/M (647)
- Fence (382)
- Field Border (386)
- Firebreak (394)
- Forest Stand Improvement (666)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Road/Trail/Landing Closure and Treatment (654)
- Tree/Shrub Establishment (612)
- Tree/Shrub Site Preparation (490)

## 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)
- Forest Stand Improvement (666)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Road/Trail/Landing Closure and Treatment (654)
- Tree/Shrub Establishment (612)

## 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)
- Forest Stand Improvement (666)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Road/Trail/Landing Closure and Treatment (654)
- Tree/Shrub Establishment (612)

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

- Access Control (472)
- Brush Management (314)
- Conservation Cover (327)
- Critical Area Planting (342)

- Early Successional Habitat Development/M (647)
- Field Border (386)
- Firebreak (394)
- Forest Stand Improvement (666)
- Herbaceous Weed Control (315)
- Prescribed Burning (338)
- Riparian Forest Buffer (391)
- Riparian Herbaceous Cover (390)
- Road/Trail/Landing Closure and Treatment (654)
- Tree/Shrub Establishment (612)
- Fish and Wildlife - Inadequate Habitat: Inadequate Habitat - Water
  - Access Control (472)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - Road/Trail/Landing Closure and Treatment (654)
- Soil Erosion: Classic Gully Erosion
  - Access Control (472)
  - Brush Management (314)
  - Conservation Cover (327)
  - Critical Area Planting (342)
  - Firebreak (394)
  - Forest Stand Improvement (666)
  - Herbaceous Weed Control (315)
  - Prescribed Grazing (528)
  - Riparian Forest Buffer (391)
  - Road/Trail/Landing Closure and Treatment (654)
  - Tree/Shrub Establishment (612)
  - Tree/Shrub Site Preparation (490)
- Soil Erosion: Ephemeral Gully Erosion
  - Access Control (472)
  - Brush Management (314)
  - Conservation Cover (327)
  - Critical Area Planting (342)
  - Field Border (386)
  - Firebreak (394)
  - Forest Stand Improvement (666)
  - Herbaceous Weed Control (315)
  - Prescribed Grazing (528)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - Road/Trail/Landing Closure and Treatment (654)
  - Tree/Shrub Establishment (612)
  - Tree/Shrub Site Preparation (490)
- Soil Erosion: Streambank, Shoreline, Water Conveyance Channels
  - Access Control (472)
  - Conservation Cover (327)
  - Critical Area Planting (342)
  - Field Border (386)
  - Herbaceous Weed Control (315)
  - Prescribed Grazing (528)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - Road/Trail/Landing Closure and Treatment (654)
  - Tree/Shrub Establishment (612)
- Water Quality Degradation: Elevated Water Temperature
  - Access Control (472)
  - Forest Stand Improvement (666)
  - Riparian Forest Buffer (391)
  - Riparian Herbaceous Cover (390)
  - Road/Trail/Landing Closure and Treatment (654)
  - Tree/Shrub Establishment (612)
- Water Quality Degradation: Excessive Sediment in Surface Water
  - Access Control (472)
  - Brush Management (314)
  - Conservation Cover (327)
  - Critical Area Planting (342)

Field Border (386)  
Firebreak (394)  
Prescribed Burning (338)  
Riparian Forest Buffer (391)  
Riparian Herbaceous Cover (390)  
Road/Trail/Landing Closure and Treatment (654)  
Tree/Shrub Establishment (612)  
Tree/Shrub Site Preparation (490)

5.7.1.24628