

## CSP-2019-1\_MI - 2019-1 NIPF Associated Ag Land

### Soil Erosion

#### Sheet and Rill Erosion

##### **Planning Criteria**

Permanent ground cover > 90% and slope less than 10%; OR, The water erosion rate is less than or equal to T.

##### **Planning Criteria Met**

Yes ☐ No ☐

##### **Evaluation Tests**

Plant cover controls active erosion (shallow less than 1 foot deep rills and gullies) and runoff from normal rain events; AND, No litter dams or terracettes are present.

##### **Evaluation Test Met**

Yes ☐ No ☐

#### Wind Erosion

##### **Planning Criteria**

Permanent ground cover >90% and slope less than 10%; OR, The wind erosion rate is less than or equal to T.

##### **Planning Criteria Met**

Yes ☐ No ☐

##### **Evaluation Tests**

The areas integrated with trees are covered with leaves, needles, fine woody debris, rocks, and/or herbaceous vegetation that protects the soil on more than 90% of the area.

##### **Evaluation Test Met**

Yes ☐ No ☐

#### Classic Gully Erosion

##### **Planning Criteria**

Classic gullies are not present; Or, Classic gully management is adequate to stop the progression of head cutting and widening and offsite impacts are minimized by vegetation and/or structures.

##### **Planning Criteria Met**

Yes ☐ No ☐

##### **Evaluation Tests**

Classic Gullies are not present; Or, All classic gullies are stabilized; AND, All areas expected to have high erosion rates are stable.

##### **Evaluation Test Met**

Yes ☐ No ☐

## CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land

### Streambank, Shoreline, Water Conveyance Channels

#### Planning Criteria

For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes; AND, If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes; AND, For streambanks, SVAP2 bank condition element score > 5. If shorelines or water conveyance channels are not present, set this planning criteria to NA.

#### Planning Criteria Met

Yes ☐ No ☐

#### Evaluation Tests

Excluding all fundamentally unstable, natural geomorphic streambanks and shorelines, all streambanks and shorelines on the land use show few signs of erosion or bank failure; AND, Each is stable and protected with natural materials. If shorelines and water conveyance channels do not exist on the land management system, set this test statement to NA.

#### Evaluation Test Met

Yes ☐ No ☐

**CSP-2019-1\_MI - 2019-1 NIPF Associated Ag Land**

**Soil Quality Degradation**

**Organic Matter Depletion**

**Planning Criteria**

Organic matter within the soil does not cause resource concerns or resource management issues. Determined and documented by on-site evaluation methods.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

There are no areas of extensive bare ground, or largely unvegetated areas. Vegetation and organic matter are managed appropriately.

**Evaluation Test Met**

Yes ☐ No ☐

**Compaction**

**Planning Criteria**

Soil compaction is not a problem: AND, Activities do not cause soil compaction problems AND can be documented with prior conservation planning or other on-site evaluation methods.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

Soil compaction is limited to roads, trails, and landings; AND, Roads, trails, and landings are properly maintained as to not cause associated resource concerns.

**Evaluation Test Met**

Yes ☐ No ☐

## CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land

### Subsidence

#### **Planning Criteria**

Histisols are managed so as to not exhibit signs of subsidence.  
Determined and documented with soil survey documentation or other  
on-site evaluation methods.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

The forest O horizon is covered with leaves, needles, fine woody  
debris, rocks, and/or herbaceous vegetation that protects the soil on  
more than 90% of the area. There is no artificial drainage operating on  
the site. If histisols are not present on this land management system,  
set the test statement to NA.

#### **Evaluation Test Met**

Yes ☐ No ☐

**CSP-2019-1\_MI - 2019-1 NIPF Associated Ag Land****Insufficient Water****Inefficient Moisture Management****Planning Criteria**

Moisture management is not a problem and activities do not cause inefficient moisture management problems. Soil loss is less than or equal to T.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

Plant species are suitable for the site and moisture management is not a problem; And, Management activities do not cause inefficient moisture management problems.

**Evaluation Test Met**

Yes ☐ No ☐

**CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land**

**Water Quality Degradation**

**Pesticides in Surface Water**

**Planning Criteria**

**Planning Criteria Met**

Pesticides are stored, handled, disposed and applied to prevent runoff, spills, leaks and leaching; AND, Conservation practices and techniques are in place to minimize ground water impacts.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Pesticides are not applied or stored on this land management system; Or, Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies. Environmental risk screening tool are used (such as WIN-PST or similar LGU approved tool); AND, application rates and timing are compliant with the label.

Yes ☐ No ☐

**Pesticides in Ground Water**

**Planning Criteria**

**Planning Criteria Met**

Pesticides are stored, handled, disposed and applied to prevent runoff, spills, leaks and leaching; AND, Conservation practices and techniques are in place to minimize ground water impacts.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Pesticides are not applied or stored on this land management system; OR, Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies; AND, Environmental risk screening tool are used (such as WIN-PST or similar LGU approved tool); AND, Application rates and timing are compliant with the label.

Yes ☐ No ☐

## **CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land**

### **Nutrients in Surface Water**

#### **Planning Criteria**

Nutrient and amendment applications are based on soil or tissue tests and nutrient budgets for realistic yields; AND, conservation practices and managements are in place to minimize ground water impacts.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

Livestock access to streams is limited to short periods of time and small areas.

#### **Evaluation Test Met**

Yes ☐ No ☐

Filter strips that are at least 30 feet wide are established and maintained on all areas in the land management system where filter strips are applicable.

Yes ☐ No ☐

### **Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water**

#### **Planning Criteria**

Potential sources of pathogens or pharmaceuticals are not applied on the land; OR, Organic materials are applied, stored, and/or handled to mitigate negative impacts to surface water sources.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

Livestock access to stream is controlled; OR, Livestock are limited to small watering or crossing areas.

#### **Evaluation Test Met**

Yes ☐ No ☐

### **CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land**

#### **Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water**

##### **Planning Criteria**

##### **Planning Criteria Met**

Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. If present, potential pollutants are stored and handled to avoid runoff to groundwater.

Yes ☐

No ☐

##### **Evaluation Tests**

##### **Evaluation Test Met**

Fuel storage does not occur on this land management system; OR, If required, the producer has and is following a Spill Prevention, Control, and Countermeasure (SPCC) Plan; OR, The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well; AND, Within a stable place designed to provide secondary containment if the primary means were to fail.

Yes ☐

No ☐

#### **Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water**

##### **Planning Criteria**

##### **Planning Criteria Met**

Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. If present, potential pollutants are stored and handled to avoid seepage to groundwater.

Yes ☐

No ☐

##### **Evaluation Tests**

##### **Evaluation Test Met**

Fuel storage does not occur on this land management system; OR, If required, the producer has and is following a Spill Prevention, Control, and Countermeasure (SPCC) Plan; OR, The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well; AND, Within a stable place designed to provide secondary containment if the primary means were to fail.

Yes ☐

No ☐



## CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land

### Excessive Sediment in Surface Water

#### Planning Criteria

There are no untreated sources of erosion and streams or shoreline are not on or adjacent to site; OR, Upslope treatment and buffer practices address concentrated flows to water bodies; AND, Heavy use areas are stable; AND, The SVAP2 - bank condition is  $\geq 5$ .

#### Planning Criteria Met

Yes ☐ No ☐

#### Evaluation Tests

All temporary or permanent rills and gullies are stabilized; OR, Temporary or permanent rills and gullies do not exist.

#### Evaluation Test Met

Yes ☐ No ☐

Drainage and erosion control measures are implemented on roads, trails and landings to minimize detrimental effects of concentrated flow, erosion and sedimentation; AND, Stream crossings are restored and stabilized.

Yes ☐ No ☐

Established filter strips are at least 20 feet wide and maintained when filter strips are applicable. If filter strips are not applicable on this land management system, set the test statement to NA.

Yes ☐ No ☐

### Elevated Water Temperature

#### Planning Criteria

Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment; OR, The SVAP2 - riparian area quality element score is  $\geq 5$ ; AND, The SVAP2 - riparian area quantity element score is  $\geq 5$ ; AND, The SVAP2 - canopy cover element score is  $\geq 6$ ; OR, Existing conservation practices are in place to address water temperature. If water courses are not present, set this planning criteria to NA.

#### Planning Criteria Met

Yes ☐ No ☐

#### Evaluation Tests

More than 50% of the water surface is shaded on the length of the stream/river for this land management system. If waterbodies are not present on this land management system, set the test statement to NA.

#### Evaluation Test Met

Yes ☐ No ☐

**CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land**

**Air Quality Impacts**

**Emissions of Particulate Matter (PM) and PM Precursors**

**Planning Criteria**

**Planning Criteria Met**

Management activities do not contribute to agricultural source particulate matter (PM) or PM precursor emissions; AND, documented episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred. PM producing activity examples are: Prescribed Burn is conducted, Travel ways unpaved or untreated with binding agents, Engines (combustion source), Tillage, Pesticides are applied, Fertilization (manure/commercial), CAFO/manure management.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Dust is controlled on all non-vegetated, unpaved travel ways. If non-vegetated or unpaved travel ways are not used or planned, set this test statement to YES.

Yes ☐ No ☐

## CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land

### Emissions of Ozone Precursors

#### Planning Criteria

Operations that produce ozone precursor emissions are not present; OR, or are managed to reduce emissions. Ozone precursor producing activities may include: Engines (combustion source), Pesticide application, Burning, CAFO /manure management, or fertilization (manure/commercial).

#### Planning Criteria Met

Yes ☐ No ☐

#### Evaluation Tests

If prescribed burning is used a prescribed burning plan is followed that includes all applicable smoke management practices.

#### Evaluation Test Met

Yes ☐ No ☐

Pesticides are not applied; OR, an IPM plan is followed which reduces ozone precursors. IPM includes applications of pesticides, including fumigants, be applied in a way that emissions of ozone precursors are reduced; Application methods may include: spot spraying, pest/target sensing application equipment, alternative pesticide formulations, or low emission fumigation methods.

Yes ☐ No ☐

### Emission of Greenhouse Gases (GHGs)

#### Planning Criteria

Activities that produce GHGs emissions are not present: OR, activities that produce GHGs emissions are managed to reduce those emissions; AND, Carbon sequestration is enhanced through reduced tillage methods or other practices. GHG producing activities that should be considered include: Fertilization (manure/commercial), Tillage methods, grazing management, and forestry practices; AND GHGs are not regulated in this planning area.

#### Planning Criteria Met

Yes ☐ No ☐

#### Evaluation Tests

The forest is managed to promote carbon sequestration by selecting species with high growth rates or species with long lifespans that are capable of reaching a large size.

#### Evaluation Test Met

Yes ☐ No ☐

## CSP-2019-1\_MI - 2019-1 NIPF Associated Ag Land

### Degraded Plant Condition

#### Inadequate Structure and Composition

##### **Planning Criteria**

Plant communities contain adequate diversity, composition and structure to support desired ecological functions for the ecological site.

##### **Planning Criteria Met**

Yes ☐ No ☐

##### **Evaluation Tests**

The current plants provide the desired habitat structure and composition. State identified invasive plants and noxious weeds are controlled.

##### **Evaluation Test Met**

Yes ☐ No ☐

#### Excessive Plant Pest Pressure

##### **Planning Criteria**

Plant pest damage to plants is below economic or environmental thresholds; AND, plant pests, including noxious and invasive species are managed.

##### **Planning Criteria Met**

Yes ☐ No ☐

##### **Evaluation Tests**

Invasive and noxious weeds are controlled or are not present.

##### **Evaluation Test Met**

Yes ☐ No ☐

#### Wildfire Hazard, Excessive Biomass Accumulation

##### **Planning Criteria**

Wildfire hazards is not a concern; OR, Fuel loads and fuel ladders are managed to provide defensible space.

##### **Planning Criteria Met**

Yes ☐ No ☐

##### **Evaluation Tests**

Wildfire risk to sensitive sites are controlled by treatment, removal or modification of vegetation, debris and detritus in a strip or area.

##### **Evaluation Test Met**

Yes ☐ No ☐

**CSP-2019-1\_MI - 2019-1 NIPF Associated Ag Land**

**Fish and Wildlife - Inadequate Habitat**

**Inadequate Habitat - Food**

**Planning Criteria**

**Planning Criteria Met**

The WHSI rating is  $\geq 0.5$ ; AND, (when surface stream present) The SVAP2 - fish habitat complexity element score is  $\geq 7$ ; AND, The SVAP2 - aquatic invertebrate habitat element score is  $\geq 7$ ; OR, Conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds; OR, Food is available in quality and extent to support habitat requirements for the species of interest.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Designated areas are planted as food and habitat for pollinators/beneficial insects; AND, Protected from disruption. For example, planted to nectar and pollen producing plants and protected from disruption - chemical, biological, or mechanical.

Yes ☐ No ☐

Plants growing are expected, desired, and suited to the site. Existing forbs and woody species meet state specified amounts.

Yes ☐ No ☐

## CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land

### Inadequate Habitat - Cover/Shelter

#### Planning Criteria

#### Planning Criteria Met

The WHSI rating is  $\geq 0.5$ ; AND, (when surface stream present) the SVAP2 - barriers to movement element score is  $\geq 7$ ; AND, the SVAP2 - fish habitat complexity element score is  $\geq 7$ ; AND, the SVAP2 - aquatic invertebrate habitat element score is  $\geq 7$ ; OR conservation practices and management practices are in place that meet or exceed species or guild-specific habitat model thresholds; OR, habitat cover is of available quality and extent to support requirements for the species of interest.

Yes ☐ No ☐

#### Evaluation Tests

#### Evaluation Test Met

Plant growth and cover is managed to develop and maintain habitat to help chosen wildlife species. (see State Wildlife Action Plan)

Yes ☐ No ☐

Designated areas are planted as food and habitat for pollinators/beneficial insects. For example, planted to nectar and pollen producing plants and protected from disruption--chemical, biological, or mechanical.

Yes ☐ No ☐

The stream(s) have: - a natural, unaltered configuration, with minimal channel straightening, dredging, or bank alteration by armoring with rip-rap or other non-natural materials, - stable banks with limited erosion or bank failure; AND, human uses and/or grazing levels that do not negatively impact bank condition. If streams are not present on the land management system, set the test statement to NA.

Yes ☐ No ☐

## CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land

### Inadequate Habitat - Water

#### Planning Criteria

The WHSI rating is  $\geq 0.5$ ; AND, (when surface stream present) The SVAP2 - aquatic invertebrate habitat element score is  $\geq 7$ ; OR, Conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds; OR, Water is available in quality and extent to support habitat requirements for the species of interest.

#### Planning Criteria Met

Yes ☐ No ☐

#### Evaluation Tests

Water for habitat is accessible and at the right depth, duration, and time of year for chosen wildlife species (See State Wildlife Action Plan)

#### Evaluation Test Met

Yes ☐ No ☐

## CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land

### Inadequate Habitat - Habitat Continuity (Space)

#### Planning Criteria

#### Planning Criteria Met

The WHSI rating is  $\geq 0.5$ ; AND, (when surface stream present) The SVAP2 - barriers to movement element score is  $\geq 7$ ; AND, The SVAP2 - aquatic invertebrate habitat element score is  $\geq 7$ ; OR, Conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds; OR, The connectivity of habitat components are adequate to support stable populations of target species.

Yes ☐ No ☐

#### Evaluation Tests

#### Evaluation Test Met

Designated areas are planted as habitat for pollinators and beneficial insects. Non-cropped area protected from disruption during nesting and foraging periods--chemical, biological, or mechanical.

Yes ☐ No ☐

Connectivity between food resources and cover and shelter is provided for the target wildlife species. (see State Wildlife Action Plan)

Yes ☐ No ☐

In-stream structures (i.e. dam, diversion structure, bridge, culvert, low-water stream crossing, etc.) allow for the upstream and downstream movement of fish and other aquatic animals throughout most of the year.

Yes ☐ No ☐

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area; AND, Extend from the stream bank or shoreline for a distance of 35 feet; OR, (if applicable) The minimum State buffer-width requirement, whichever is greater.

Yes ☐ No ☐



**CSP-2019-1 MI - 2019-1 NIPF Associated Ag Land**

**Inefficient Energy Use**

**Equipment and Facilities**

**Planning Criteria**

**Planning Criteria Met**

If equipment, motors, pumps, etc. are used or located on Associated Agricultural Land (AAL), are they commercially available improved efficiency models or have they received manufacturer approved upgrades.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Pumps, motors, wells, etc. located on the land management system are improved efficiency models.

Yes ☐ No ☐

**Farming/Ranching Practices and Field Operations**

**Planning Criteria**

**Planning Criteria Met**

Equipment or implements used on Associated Agricultural Land (AAL) for agricultural uses are improved efficiency models.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Pumps, motors, wells, etc. located on the land management system are improved efficiency models

Yes ☐ No ☐