

**CSP-2018-1 TN - Statewide Ag Land Evaluation Set Associated Ag Land**

**Soil Erosion**

**Sheet and Rill Erosion**

**Planning Criteria**

**Planning Criteria Met**

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

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

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.

Yes  No

**Classic Gully Erosion**

**Planning Criteria**

**Planning Criteria Met**

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.

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

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

Yes  No

**CSP-2018-1 TN - Statewide Ag Land Evaluation Set 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 greater than 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

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**Excess Water**

**Seeps**

**Planning Criteria**

Seeps are managed to prevent significant impacts to conservation measures and/or sensitive habitat. If seeps do not exist, set this planning criteria to NA.

**Planning Criteria Met**

Yes  No

**Evaluation Tests**

Excess water seepage is controlled to the point that it does not restrict land use or management goals. If seeps do not exist on the land management system, set this test statement to NA.

**Evaluation Test Met**

Yes  No

**Runoff and Flooding and Ponding**

**Planning Criteria**

Runoff, flooding, and ponding is managed to minimize the impact on conservation measures and/or sensitive habitat.

**Planning Criteria Met**

Yes  No

**Evaluation Tests**

Runoff, flooding, and ponding is managed to minimize the impact on conservation measures and/or sensitive habitat.

**Evaluation Test Met**

Yes  No

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**Water Quality Degradation**

**Pesticides in Surface Water**

**Planning Criteria**

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.

**Planning Criteria Met**

Yes  No

**Evaluation Tests**

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.

**Evaluation Test Met**

Yes  No

**Pesticides in Ground water**

**Planning Criteria**

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.

**Planning Criteria Met**

Yes  No

**Evaluation Tests**

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.

**Evaluation Test Met**

Yes  No

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**Nutrients in Surface water**

**Planning Criteria**

**Planning Criteria Met**

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.

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

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

Yes  No

The land adjacent to a stream, river, or other waterbody on the side or sides you control: - has diverse, natural plant cover typical to that along other streams within the drainage basin; - extend from the stream bank/shoreline for a distance of 35 feet; OR, (if applicable) The minimum State buffer-width requirement, whichever is greater; AND, Have few places where concentrated runoff flows through.

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**

**Planning Criteria Met**

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.

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

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

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

Yes  No

**CSP-2018-1 TN - Statewide Ag Land Evaluation Set Associated Ag Land Excessive Sediment in Surface Water**

**Planning Criteria**

**Planning Criteria Met**

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 greater than or equal to 5.

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

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

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, - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater; AND, Have few places where concentrated runoff flows through.

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

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

Yes  No

**CSP-2018-1 TN - Statewide Ag Land Evaluation Set Associated Ag Land**  
**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 greater than or equal to 5; AND, The SVAP2 - riparian area quantity element score is greater than or equal to 5; AND, The SVAP2 - canopy cover element score is greater than or equal to 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-2018-1 TN - Statewide Ag Land Evaluation Set Associated Ag Land**

**Air Quality Impacts**

**Emissions of Ozone Precursors**

**Planning Criteria**

**Planning Criteria Met**

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).

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

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

Yes  No

**Objectionable Odors**

**Planning Criteria**

**Planning Criteria Met**

Activities such as pesticide or manure application are managed to reduce objectionable odors; AND, Odor sources are not regulated in this planning area; AND, Documented episodes or complaints of odor nuisance have not occurred.

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

Manure is not applied on this land management system; OR, manure is immediately incorporated; OR, manure is only applied when wind direction is away from human occupied areas.

Yes  No



**CSP-2018-1\_TN - Statewide Ag Land Evaluation Set Associated Ag Land**

**Degraded Plant Condition**

**Undesirable Plant Productivity and Health**

**Planning Criteria**

Plants are adapted to the site, meet production goals, and do not negatively impact other resources; AND, Plant damage from wind erosion is below crop damage tolerance levels.

**Planning Criteria Met**

Yes  No

**Evaluation Tests**

Plant yield, vigor, and quality are as expected.

**Evaluation Test Met**

Yes  No

**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

**CSP-2018-1 TN - Statewide Ag Land Evaluation Set Associated Ag Land**

**Fish and Wildlife - Inadequate Habitat**

**Inadequate Habitat - Food**

**Planning Criteria**

The WHSI rating is greater than or equal to 0.5; AND, (when surface stream present) The SVAP2 - fish habitat complexity element score is greater than or equal to 7; AND, The SVAP2 - aquatic invertebrate habitat element score is greater than or equal to 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.

**Planning Criteria Met**

Yes  No

**Evaluation Tests**

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.

**Evaluation Test Met**

Yes  No

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

Yes  No

**CSP-2018-1 TN - Statewide Ag Land Evaluation Set Associated Ag Land Inadequate Habitat - Cover/Shelter**

**Planning Criteria**

**Planning Criteria Met**

The WHSI rating is greater than or equal to 0.5; AND, (when surface stream present) the SVAP2 - barriers to movement element score is greater than or equal to 7; AND, the SVAP2 - fish habitat complexity element score is greater than or equal to 7; AND, the SVAP2 - aquatic invertebrate habitat element score is greater than or equal to 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

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

The pond/lake, which supports a natural or planted fish population, is managed: -to exclude livestock, -to control nuisance species and undesirable aquatic vegetation controlled, -to complies with state and local regulations when stocking the pond, AND -use of a buffer zone of diverse, natural plant cover at least 35 feet wide.

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

**CSP-2018-1 TN - Statewide Ag Land Evaluation Set Associated Ag Land Inadequate Habitat - Habitat Continuity (Space)**

**Planning Criteria**

**Planning Criteria Met**

The WHSI rating is greater than or equal to 0.5; AND, (when surface stream present) The SVAP2 - barriers to movement element score is greater than or equal to 7; AND, The SVAP2 - aquatic invertebrate habitat element score is greater than or equal to 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

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

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

**CSP-2018-1\_TN - Statewide Ag Land Evaluation Set Associated Ag Land**

**Livestock Production Limitation**

**Inadequate Feed and forage**

**Planning Criteria**

**Planning Criteria Met**

Livestock forage, roughage, and supplemental nutritional requirements are met.

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

The existing forage quantity and quality are expected to meet the livestock needs and goals.

Yes  No

**Inadequate Shelter**

**Planning Criteria**

**Planning Criteria Met**

Artificial or natural shelters meet animal health needs.

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

Adequate shelter is provided to meet the needs of the livestock throughout the period the land management system (LMS) is utilized by livestock. If livestock do not use this LMS, set the test statement to NA.

Yes  No

**Inadequate Water**

**Planning Criteria**

**Planning Criteria Met**

Water of acceptable quality and quantity is adequately distributed to meet animal needs.

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

The livestock have enough drinking water of good quality. If livestock do not use this land management system, set the test statement to NA.

Yes  No

**CSP-2018-1 TN - Statewide Ag Land Evaluation Set 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**

Energy conserving implements are used for all or some field operations.

Yes  No

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