

CSP-2019-1 AR - NIPF Farmstead

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

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

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 ☐

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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 ☐

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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 AR - NIPF Farmstead**Concentration of Salts and other Chemicals****Planning Criteria**

Salinity/sodicity problems do not exist: OR, Conservation practices and managements are in place to mitigate on-site effects.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Manure from AFO/CAFO is managed and stored in a manner to prevent excessive accumulation or off-site movement of salts and other chemicals. If there are no AFO/CAFO on the land management system, set this test statement to NA.

Evaluation Test Met

Yes ☐ No ☐

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Excess Water

Runoff and Flooding and Ponding

Planning Criteria

Planning Criteria Met

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

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause damaging runoff, flooding or ponding.

Yes ☐ No ☐

Seasonal High Water Table

Planning Criteria

Planning Criteria Met

Excess water resulting from a seasonal high water table is managed to prevent significant negative effects to conservation measures and/or crop production. If seasonal high water tables do not exist, set this planning criteria to NA.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

The seasonal high water table does not impact conservation measures and/or farmstead areas. If seasonal high water tables do not exist in the land management system, set this test statement to NA.

Yes ☐ No ☐

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Water Quality Degradation

Nutrients in Ground water

Planning Criteria

Planning Criteria Met

Liquid manure is not stored; OR, Liquid manure storages have a liner to reduce seepage to groundwater sources.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Liquid manure is not stored; OR, liquid manure storages have a liner to reduce seepage to groundwater sources.

Yes ☐ No ☐

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 ☐

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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 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.

Evaluation Test Met

Yes ☐ No ☐

Nutrients in Surface Water

Planning Criteria

Organic or inorganic nutrients are not applied and AFO/CAFO is not present; OR, Nutrient and amendment applications are based on soil or tissue tests and nutrient budgets for realistic yields; AND, Manure is managed and stored to eliminate off-site movement; AND, Conservation practices and management activities are in place to minimize surface water impacts.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Manure and untreated runoff from animal pens, feedlots, or similar AFO/CAFO is stopped from entering nearby streams, drainage ditches, and irrigation ditches.

Evaluation Test Met

Yes ☐ No ☐

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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

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

Yes ☐ No ☐

Animal pens, feedlots, or similar AFO/CAFO do not exist on the land management system; OR, Manure and untreated runoff from animal pens, feedlots, or similar AFO/CAFO is stopped from entering nearby streams, drainage ditches, and irrigation ditches.

Yes ☐ No ☐

Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Ground Water

Planning Criteria

Planning Criteria Met

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

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Water well(s) does not exist; OR, Any water well(s) is located at least 100 feet from animal pens, feedlots, or similar AFO/CAFO OR runoff from these areas is treated; OR, An impervious barrier around the well prevents seepage into the groundwater.

Yes ☐ No ☐

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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 ☐

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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 ≥ 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 ☐

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 ☐

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause erosion or concentrated streams of water.

Yes ☐ No ☐

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Air Quality Impacts

Emissions of Particulate Matter (PM) and PM Precursors

Planning Criteria

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.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

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.

Evaluation Test Met

Yes ☐ No ☐

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

Energy-efficient vehicles, equipment, and other actions are used to lessen discharges of NOx. Other actions may include: regularly servicing and properly maintaining combustion equipment, using the minimum level of equipment needed to accomplish the activity, and minimizing number of trips into the area.

Evaluation Test Met

Yes ☐ No ☐

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Objectionable Odors

Planning Criteria

The score bars in the NAQSAT report are at least 50% green for all of these sectors (or appropriate documentation is provided to indicate why an applicable score bar does not need to be at least 50% green): Mortalities, Manure Storage, Feed and Water, Land Application, and Animals and Housing data categories under Odor; Manure Storage, Feed and Water, and Animals and Housing data categories under Volatile organic compounds; Manure Storage and Feed and Water data categories under Hydrogen sulfide; and, Manure Storage, Feed and Water, Land Application, Animals and Housing, and Collection and Transfer data categories under Ammonia.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

AFO/CAFO does not exist on the land management system; AND, documented episodes or complaints of odor nuisance have not occurred. If AFO/CAFO exists, set this test statement to NA.

Evaluation Test Met

Yes ☐ No ☐

Composting is managed to reduce objectionable odors; AND, documented episodes or complaints of odor nuisance have not occurred. If composting does not occur, set this test statement to NA.

Yes ☐ No ☐

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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

Sites needing wildfire protection or using Prescribed Burning have a permanent or temporary strip of bare or vegetated land (i.e. Fuel Break) that retards fire.

Evaluation Test Met

Yes ☐ No ☐

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Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Planning Criteria Met

The WHSI rating is ≥ 0.5 ; AND, (when surface stream present) The SVAP2 - fish habitat complexity element score is ≥ 7 ; AND, The SVAP2 - aquatic invertebrate habitat element score is ≥ 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

Plants provide nectar and pollen sources for pollinators and beneficial insects as well as providing adequate food for browsing animals.

Yes ☐ No ☐

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Inadequate Habitat - Cover/Shelter

Planning Criteria

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

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

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

Evaluation Test Met

Yes ☐ No ☐

The forest/woodlot/shelterbelt is fully stocked with tree species adapted to the site; AND, Has spacing for good tree growth and air flow between and beneath: AND, Does not have excessive tree mortality: AND, Has an understory made up of desirable species: AND, Is not inhibited by brush or other undesirable vegetation.

Yes ☐ No ☐

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Inadequate Habitat - Water

Planning Criteria

The WHSI rating is ≥ 0.5 ; AND, (when surface stream present) The SVAP2 - aquatic invertebrate habitat element score is ≥ 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

Developments in the flood plain, stream water withdrawals, flow augmentation, or water control structures may be present, but do not significantly alter the natural flow regime.

Evaluation Test Met

Yes ☐ No ☐

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

Yes ☐ No ☐

Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

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

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

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

Evaluation Test Met

Yes ☐ No ☐

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Inefficient Energy Use

Equipment and Facilities

Planning Criteria

Planning Criteria Met

On-farm renewable energy and/or energy conserving practices have been implemented and energy savings can be documented by operational adherence to an NRCS approved Energy Audit or the use of various energy saving calculators.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Energy loss from lighting, drying, refrigeration, cooling, heating, or building insulation has been improved.

Yes ☐ No ☐

Farming/Ranching Practices and Field Operations

Planning Criteria

Planning Criteria Met

On-farm renewable energy and/or energy conserving practices have been implemented and energy savings can be documented by operational adherence to an NRCS approved Energy Audit or the use of various energy saving calculators.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Energy loss from lighting, drying, refrigeration, cooling, heating, or building insulation has been improved.

Yes ☐ No ☐