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Soil Erosion

Ephemeral Gully Erosion

Planning Criteria	Planning Criteria Met
Ephemeral gullies are not occurring; OR, Conservation practices and management activities are in place to prevent or control ephemeral gullies.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Temporary or permanent rills do not exist on the land management system; Or, All temporary or permanent rills are stabilized; AND all areas expected to have high erosion rates are stable.	Yes ☐ No ☐

Sheet and Rill Erosion

Planning Criteria	Planning Criteria Met
Permanent ground cover > 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 ☐

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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 ☐

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria	Planning Criteria Met
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.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
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.	Yes ☐ No ☐

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Soil Quality Degradation

Organic Matter Depletion

Planning Criteria	Planning Criteria Met
Organic matter within the soil is managed by means of proper rotational grazing and other grazing management practices; AND, the Pasture Condition Score (PCS) -plant cover element score is >= 4; AND, the PCS - plant residue element score is >= 4.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Proper soil health is evidenced by productive and desirable plants dominating the management system. There are no extensive dead or unproductive areas.	Yes ☐ No ☐

Compaction

Planning Criteria	Planning Criteria Met
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.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Soils are not compacted to a point that limits plant root depth and growth.	Yes ☐ No ☐
There are no extensive bare spots or dead areas in the land management system beyond what would be considered acceptable "sacrifice" areas.	Yes ☐ No ☐

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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 ☐

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Nutrients in Surface Water

Planning Criteria	Planning Criteria Met
Organic or inorganic nutrients are not applied and grazing unit is not adjacent to streams, ponds, or lakes and there are no confined livestock areas; OR, The Pasture Condition Score - streambank/shoreline erosion element score is >= 4; AND, The Pasture Condition Score - livestock concentration areas element score is >= 4; AND, Nutrients are applied and based on a soil test, tissue test or nutrient budget.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Livestock access to streams is limited to short periods of time and small areas.	Yes ☐ No ☐
Nutrients are not applied; OR, If nutrients are applied, they do not degrade surface water quality; AND, Water use is not limited by nutrient levels.	Yes ☐ No ☐
Sacrifice areas are properly sited.	Yes ☐ No ☐

Nutrients in Ground Water

Planning Criteria	Planning Criteria Met
Organic or inorganic nutrients are not applied ; OR, Nutrient and amendment applications are based on soil or tissue tests and nutrient budgets for realistic yields and conservation practices; AND, Management activities are in place to minimize ground water impacts.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Nutrients are not applied to this land management system; OR, if nutrients are applied, they do not degrade ground water quality; AND, Water use is not limited.	Yes ☐ No ☐
Grazing management in close proximity to sinkholes does not degrade groundwater. If sinkholes are not in close proximity to this land management system, set the test statement to YES.	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 ☐
Manure, compost, or bio-solids are not applied; OR, Manure, compost, or bio-solids are applied per soil test recommendations and Land Grant University best management practices, and grazing management optimizes applied products.	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
Livestock use of immediate sink hole watersheds is managed to avoid addition of excess pathogens. If the land management system is not in a sinkhole watershed, set the test statement to YES.	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	Planning Criteria Met
Permanent ground cover > 90% and slope less than 10% and classic gullies are not present; OR, Upslope treatment and buffer practices address concentrated flows to water bodies; AND, The SVAP2 - bank condition >= 5; AND, The livestock and vehicle water crossings are stable; AND, The water erosion rate is less than or equal to T; AND, Wind erosion rate is less than or equal to T.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
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 ☐
Plant cover controls active erosion and runoff from normal rain events; AND, Litter dams are minimized.	Yes ☐ No ☐

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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
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	Planning Criteria Met
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.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Nitrogen is not applied: OR, nitrogen is applied as close as possible to crop uptake (within 30 days prior to crop planting or greenup) at recommended application rates.	Yes ☐ No ☐
Forage Supply and Demand Balance is achieved.	Yes ☐ No ☐

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Degraded Plant Condition

Undesirable Plant Productivity and Health

Planning Criteria	Planning Criteria Met
The Pasture Condition Score is 30 or above. Plants are adapted to the site, meet production goals and do not negatively impact other resources.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Plants are perennial, adapted to the site, maintained at minimal stubble heights, productive and healthy.	Yes ☐ No ☐

Inadequate Structure and Composition

Planning Criteria	Planning Criteria Met
Plant communities contain adequate diversity, composition and structure to support desired ecological functions for the ecological site.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
The current plants provide the desired habitat structure and composition. State identified invasive plants and noxious weeds are controlled.	Yes ☐ No ☐

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Excessive Plant Pest Pressure

Planning Criteria	Planning Criteria Met
Plant pest damage to plants is below economic or environmental thresholds; AND, plant pests, including noxious and invasive species are managed.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Invasive and noxious weeds are controlled or are not present.	Yes ☐ No ☐
Weeds, insects, and diseases do not limit crop production.	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 growing are expected, desired, and suited to the site. Existing forbs and woody species meet state specified amounts.	Yes ☐ No ☐
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 ☐

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Inadequate Habitat - Cover/Shelter

Planning Criteria	Planning Criteria Met
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.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Grazing heights are maintained at a minimum of 6 inches average over winter for mid/tall grass plant communities; AND, 4 inches average over winter for shortgrass plant communities.	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 ☐
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 ☐
Plant growth and cover is managed to develop and maintain habitat to help chosen wildlife species. (see State Wildlife Action Plan)	Yes ☐ No ☐
Livestock access to stream(s) is controlled; OR, livestock access is limited to small watering or crossing areas	Yes ☐ No ☐

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Inadequate Habitat - Water

Planning Criteria	Planning Criteria Met
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.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
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 ☐

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Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria	Planning Criteria Met
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.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
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 ☐

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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 ☐

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Inefficient Energy Use

Farming/Ranching Practices and Field Operations

Planning Criteria	Planning Criteria Met
If nutrients are applied, a nutrient budget is used to determine all nutrient application rates; AND, If irrigated, improved efficiency irrigation pumps are being used on the majority of irrigated pastures.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Irrigation water is being managed to maintain a balance of soil moisture not to exceed Field Capacity or get below wilting point (unless water quantity is a limitation). Methods include: soil moisture monitoring with sensors, evapotranspiration monitoring, or other checkbook type methods. If the land management system is not irrigated, set this test statement to NA.	Yes ☐ No ☐
Improved efficiency irrigation pumps and motors are used for more than 50% of irrigation water applications. If the land management system is not irrigated, set this test statement to NA.	Yes ☐ No ☐
Nutrients are not applied; OR, If nutrients are applied, a nutrient budget is used to determine all application rates, including: - Realistic yield goals, - Nutrient uptake requirements, and - Available nutrient accounting for each of the following: (a) N, P, K from representative soil tests (less than or equal to 3yrs), (b) Soil organic matter mineralization, (c) Legumes in rotation, (d) Previous applications of manure and other organic based materials, (e) Planned post-harvest residual soil test levels, (f) Available nutrient analysis for each nutrient source, and (g) Available nutrient uptake efficiencies from planned application rate, source, method, timing and placement. All state specific application setbacks are maintained for all nutrient applications.	Yes ☐ No ☐