

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The water erosion rate is <= 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

Wind Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The wind erosion rate is <= T.

Planning Criteria Met

Yes No

Evaluation Tests

All non-traffic areas are vegetated.

Evaluation Test Met

Yes No

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

Yes No

Existing windbreak(s)/shelterbelt(s) function has been improved or restored.

Yes No

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Classic Gully Erosion

Planning Criteria

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

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

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Screening level: Streams, shoreline or channels are not adjacent to site. Assessment level: 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.

Planning Criteria Met

Yes No

Evaluation Tests

Excluding all fundamentally unstable, natural geomorphic streambanks/shorelines, all streambanks/shorelines on the operation show few signs of erosion or bank failure. Each is stable and protected with natural materials.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Soil Quality Degradation

Concentration of Salts and other Chemicals

Planning Criteria

Screening level: Activities do not cause salinity/sodicity problems.
Assessment level: Conservation practices and managements are in place to mitigate on-site effects.

Planning Criteria Met

Yes No

Evaluation Tests

All erodible areas with high chemical concentrations (such as high salts) have been stabilized with permanent vegetation.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Water Quality Degradation

Nutrients in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed AND there are no confined livestock areas.

 Assessment level: Nutrients if applied, are based on a soil test, tissue tests or nutrient budget AND conservation practices and managements are in place to minimize surface water impacts.

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

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

Yes No

Salts in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Excess salt is not a problem AND activities do not contribute to excess salt problem. Assessment level: Salt concentrations are managed to mitigate off-site transport to surface waters.

Yes No

Evaluation Tests

Evaluation Test Met

The concentration and likely harmfulness of salt is managed to limit impact on desired plants.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Salts in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Excess salt is not a problem AND activities do not contribute to excess salt problem. Assessment level: Salt concentrations are managed to mitigate off-site transport to groundwater.

Yes No

Evaluation Tests

Evaluation Test Met

The concentration and likely harmfulness of salt is managed to limit impact on desired plants.

Yes No

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

Planning Criteria

Planning Criteria Met

Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: 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 limited to small watering or crossing areas.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants.
 Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to surface water.

Yes No

Evaluation Tests

Evaluation Test Met

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

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants.
 Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to groundwater.

Yes No

Evaluation Tests

Evaluation Test Met

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-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Excessive Sediment in Surface Water

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: 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 <= T AND wind erosion rate is <= 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

Elevated Water Temperature

Planning Criteria

Screening level: Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment OR water course temperature is not a client concern. Assessment level: The SVAP2 - riparian area quality element score is >= 5 AND the SVAP2 - riparian area quantity quality element score is >= 5 AND the SVAP2 - canopy cover element score is >= 6, OR existing conservation practices are in place to address water temperature.

Planning Criteria Met

Yes No

Evaluation Tests

More than 50 percent of the water surface is shaded on the length of the stream/river you control.

Evaluation Test Met

Yes No

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Air Quality Impacts

Emissions of Particulate Matter (PM) and PM Precursors

Planning Criteria

Screening level: Activities are not present that contribute to agricultural source PM or PM precursor emissions AND 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 treated with binding agents, Engines (combustion source), Tillage, Pesticides are applied, Fertilization (manure/ commercial), CAFO/manure management). Assessment level: PM and PM Precursor emissions are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Dust is controlled on all non-vegetated, unpaved travel ways.

Evaluation Test Met

Yes No

Emissions of Ozone Precursors

Planning Criteria

Screening level: Operations are not present that produce ozone precursor emissions. Ozone precursor producing activities are: Engines (combustion source), Pesticide application, Burning, CAFO/manure management, Fertilization (manure/commercial). Assessment level: Ozone precursor emissions are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Energy-efficient vehicles, equipment, and actions are used to lessen discharges of NOx and SOx. For example, using the minimum level of equipment needed to accomplish the activity, minimizing number of trips into the forest, and leaving woody residue in place if not a fire or pest hazard.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Emission of Greenhouse Gases (GHGs)

Planning Criteria

Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emmissions are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Energy-efficient vehicles, equipment, and actions are used to lessen discharges of NOx and SOx. For example, using the minimum level of equipment needed to accomplish the activity, minimizing number of trips into the forest, and leaving woody residue in place if not a fire or pest hazard.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Degraded Plant Condition

Undesirable Plant Productivity and Health

Planning Criteria

Planning Criteria Met

Screening level: Plant production and health is not a client concern.
Assessment level: 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.

Yes No

Evaluation Tests

Evaluation Test Met

The forest or woodlot is fully stocked with tree species adapted to the site, has spacing for good tree growth and air flow between and beneath, does not have excessive tree mortality, has an understory made up of desirable species and is not inhibited by brush or other undesirable vegetation. Monitoring for Insects and disease is completed to prevent outbreaks that would be detrimental to forest health.

Yes No

Inadequate Structure and Composition

Planning Criteria

Planning Criteria Met

Screening level: Plant communities support the intended land use and desired ecological functions. Assessment level: Plant communities contain adequate diversity, composition and structure to support desired ecological functions.

Yes No

Evaluation Tests

Evaluation Test Met

The current plants provide the desired habitat structure and composition.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Excessive Plant Pest Pressure

Planning Criteria

Screening level: Plant productivity is not limited from pest pressure.
Assessment level: Pest damage to plants are below economic or environmental thresholds or client-identified criteria AND plant pests, including noxious and invasive species are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Invasive and noxious weeds are controlled or not present.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Associated Ag Land

Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Assessment level: 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.

Planning Criteria Met

Yes No

Evaluation Tests

Existing plants provide food for the chosen declining, threatened, or endangered wildlife species <see State Wildlife Action Plan>

Evaluation Test Met

Yes No

Inadequate Habitat - Cover/Shelter

Planning Criteria

Assessment level: 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 managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes No

Evaluation Tests

Plant growth provides cover/shelter that benefits threatened, endangered, or declining wildlife species. <see State Wildlife Action Plan>

Evaluation Test Met

Yes No

Internally drained features such as playas or potholes are left undrained and uncropped.

Yes No

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Inadequate Habitat - Water

Planning Criteria

Assessment level: 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

Access to water is at the right height, depth and time of year for wildlife species.

Evaluation Test Met

Yes No

Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Assessment level: 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 targeted species.

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

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Inefficient Energy Use

Equipment and Facilities

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.

Yes No

Farming/Ranching Practices and Field Operations

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The water erosion rate is <= T.

Yes No

Evaluation Tests

Evaluation Test Met

A residue and tillage management system is implemented on all crops in the rotation that minimizes detachment and transport of soil particles caused by rainfall or irrigation. The system leaves crop residue on the soil surface and excludes primary inversion tillage implements (such as moldboard plow).

Yes No

Irrigation water use is managed to reduce irrigation induced soil erosion.

Yes No

Wind Erosion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The wind erosion rate is <= T.

Yes No

Evaluation Tests

Evaluation Test Met

The current crop rotation includes at least 2 crops (may include cover crops) in rotation of which at least one is a high residue crop. <see state list of high residue crops>

Yes No

A residue and tillage management system is implemented on all crops in the rotation that prevents detachment and transport of soil particles caused by wind. The system leaves crop residue on the soil surface and excludes primary inversion tillage implements (such as moldboard plow).

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Ephemeral Gully Erosion

Planning Criteria

Planning Criteria Met

Screening level: Ephemeral gullies are not occurring. Assessment level: Conservation practices and managements are in place to prevent or control ephemeral gullies.

Yes No

Evaluation Tests

Evaluation Test Met

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

Yes No

Classic Gully Erosion

Planning Criteria

Planning Criteria Met

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

Yes No

Evaluation Tests

Evaluation Test Met

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

Yes No

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Planning Criteria Met

Screening level: Streams, shoreline or channels are not adjacent to site. Assessment level: 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.

Yes No

Evaluation Tests

Evaluation Test Met

Excluding all fundamentally unstable, natural geomorphic streambanks/shorelines, all streambanks/shorelines on the operation show few signs of erosion or bank failure. Each is stable and protected with natural materials.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Soil Quality Degradation

Organic Matter Depletion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 80%. Assessment level: The SCI is > 0.

Yes No

Evaluation Tests

Evaluation Test Met

A reduced/mulch till or no-till system is implemented. This system leaves crop residue on the soil surface and excludes primary inversion tillage implements (such as moldboard plow).

Yes No

Compaction

Planning Criteria

Planning Criteria Met

Screening level: Soil compaction is not a problem AND activities do not cause soil compaction problems. Assessment level: Compaction is managed to meet client's production and management objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Soil moisture is tested to reduce soil compaction. Typical methods include moisture-by-feel or moisture meters.

Yes No

Concentration of Salts and other Chemicals

Planning Criteria

Planning Criteria Met

Screening level: Activities do not cause salinity/sodicity problems. Assessment level: Conservation practices and managements are in place to mitigate on-site effects.

Yes No

Evaluation Tests

Evaluation Test Met

An irrigation water management plan is followed. Sufficient water is applied to maintain a proper salt balance in the soil profile.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Excess Water

Runoff and Flooding and Ponding

Planning Criteria

Planning Criteria Met

Screening level: Ponding or flooding not a problem AND activities do not cause ponding/flooding problems. Assessment level: Excess water is managed to meet client's objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Excessive water runoff, flooding, and water ponding are not concerns; or measures are applied such as grassed waterways, terraces, diversions, filter strips to reduce excessive runoff; or if flooding is a concern crops and field activities are managed within the seasonal flooding periods; or where ponding is a concern land leveling or shallow surface drains prevent ponding of water that limits crop production.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Insufficient Water

Inefficient Use of Irrigation Water

Planning Criteria

Planning Criteria Met

Screening level: PLU is not irrigated. Assessment level: The irrigation system components and management result in a Farm Irrigation Rating Index > 60 AND meets applicable State in-stream flow and lake and pond water levels requirements.

Yes No

Evaluation Tests

Evaluation Test Met

Crops grown, varieties, and cropping order are carefully chosen. The local climate conditions and a water balance/budget are used in the decision making process.

Yes No

An irrigation water management plan is followed that: -meets the crop's needs, while maximizing irrigation water efficiency, -schedules water application based on soil moisture monitoring and/or evapotranspiration monitoring, -measures and records the amount of water you use to irrigate as it comes onto the farm and goes to each field, AND-the system's distribution uniformity has been evaluated and necessary changes were made.

Yes No

Inefficient Moisture Management

Planning Criteria

Planning Criteria Met

Screening level: Moisture management is not a problem AND activities do not cause inefficient moisture management problems. Assessment level: Runoff and evapotranspiration levels are minimized to meet client's management objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Crops grown, varieties, and cropping order are carefully chosen. The local climate conditions and a water balance/budget are used in the decision making process. Crop rotation includes at least 2 crops in rotation.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Water Quality Degradation

Pesticides in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize surface water impacts.

Yes No

Evaluation Tests

Evaluation Test Met

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). Application rates and timing are compliant with the label and the conservation plan.

Yes No

Pesticides in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize ground water impacts.

Yes No

Evaluation Tests

Evaluation Test Met

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). Application rates and timing are compliant with the label and the conservation plan.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Nutrients in Surface Water

Planning Criteria

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed. Assessment level: 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 surface water impacts.

Planning Criteria Met

Yes No

Evaluation Tests

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.

Evaluation Test Met

Yes No

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 (<= 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

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Nutrients in Ground Water

Planning Criteria

Screening level: Organic or inorganic nutrients are not applied AND PLU is not grazed. Assessment level: 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

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 (<= 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.

Evaluation Test Met

Yes No

Salts in Surface Water

Planning Criteria

Screening level: Excess salt is not a problem AND activities do not contribute to excess salt problem. Assessment level: Salt concentrations are managed to mitigate off-site transport to surface waters.

Planning Criteria Met

Yes No

Evaluation Tests

An irrigation water management plan is followed. Sufficient water is applied to maintain a proper salt balance in the soil profile.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Salts in Ground Water

Planning Criteria

Screening level: Excess salt is not a problem AND activities do not contribute to excess salt problem. Assessment level: Salt concentrations are managed to mitigate off-site transport to groundwater.

Planning Criteria Met

Yes No

Evaluation Tests

The concentration and likely harmfulness of salt is managed to limit impact on desired plants.

Evaluation Test Met

Yes No

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

Planning Criteria

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

Planning Criteria Met

Yes No

Evaluation Tests

Manure and other biosolids are applied using a nutrient budget 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 (<= 3yrs), (b) Soil organic matter mineralization, (c) Legumes in rotation, (d) Avoiding manure applications when soils are frozen, snow covered, or saturated, (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. Minimum setbacks are maintained from drainageways, wells, ditched, streams, rivers, and water bodies.

Evaluation Test Met

Yes No

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

Planning Criteria

Planning Criteria Met

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

Yes No

Evaluation Tests

Evaluation Test Met

Manure and other biosolids are applied using a nutrient budget 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 (<= 3yrs),(b) Soil organic matter mineralization,(c) Legumes in rotation,(d) Avoiding manure applications when soils are frozen, snow covered, or saturated,(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.Minimum setbacks are maintained from drainageways, wells, ditched, streams, rivers, and water bodies.

Yes No

Excessive Sediment in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: 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 <= T AND wind erosion rate is <= T.

Yes No

Evaluation Tests

Evaluation Test Met

All temporary or permanent rills and gullies are stabilized.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Air Quality Impacts

Emissions of Ozone Precursors

Planning Criteria

Planning Criteria Met

Screening level: Operations are not present that produce ozone precursor emissions. Ozone precursor producing activities are: Engines (combustion source), Pesticide application, Burning, CAFO/manure management, Fertilization (manure/commercial). Assessment level: Ozone precursor emissions are managed to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Ozone precursor producing activities are minimized by using one or more of the following activities: Reducing combustible engines exhaust via TIER 4 engine, applying IPM principles for pesticide applications, injection or incorporation of manure, nitrogen fertilizer incorporation or use of a nitrogen stabilizer.

Yes No

Emission of Greenhouse Gases (GHGs)

Planning Criteria

Planning Criteria Met

Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emissions are managed to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

If Nitrogen is applied, Nitrogen is applied as close as possible to crop uptake needs at the recommended rates.

Yes No

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Objectionable Odors

Planning Criteria

Screening level: Activities are not present that contribute to odor nuisance air quality conditions. Odor nuisance producing activities are: Pesticide application, CAFO/manure management, Composting is conducted, AND odor sources are not regulated in this planning area AND episodes or complaints of odor nuisance have not occurred.
Assessment level: Odors are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Manure is applied and immediately incorporated or applied when wind direction is away from human occupied areas.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Degraded Plant Condition

Undesirable Plant Productivity and Health

Planning Criteria

Planning Criteria Met

Screening level: Plant production and health is not a client concern.
 Assessment level: 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.

Yes No

Evaluation Tests

Evaluation Test Met

Plants and crops are adapted to the soil and site conditions and produce average yield levels for the county in typical years.

Yes No

Excessive Plant Pest Pressure

Planning Criteria

Planning Criteria Met

Screening level: Plant productivity is not limited from pest pressure.
 Assessment level: Pest damage to plants are below economic or environmental thresholds or client-identified criteria AND plant pests, including noxious and invasive species are managed to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

A crop rotation of at least 2 crops (which may include cover crops) that reduces plant pest pressures and breaks pest cycles is used. For example, crop rotation breaks pest cycles and allows for the rotation of chemical modes of action.

Yes No

Weeds, insects, and diseases do not limit crop production.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Assessment level: 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.

Planning Criteria Met

Yes No

Evaluation Tests

Unharvested grain crops are intentionally left in the field as wildlife food on an annual basis.

Evaluation Test Met

Yes No

Plant growth and cover is managed to develop and maintain early successional habitat to help chosen wildlife species. <see State Wildlife Action Plan>

Yes No

Inadequate Habitat - Cover/Shelter

Planning Criteria

Assessment level: 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 managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes No

Evaluation Tests

A crop rotation that provides cover and shelter for wildlife is used. <STATE EXAMPLES--grain crops, forage crops, nectar or pollen producing crops, winter cover crops, contour strip cropping including small grain/hay>

Evaluation Test Met

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

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Planning Criteria Met

Assessment level: 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 targeted species.

Yes No

Evaluation Tests

Evaluation Test Met

Connectivity between food resources and cover and shelter is provided for the chosen wildlife species. <see State Wildlife Action Plan>

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Livestock Production Limitation

Inadequate Feed and Forage

Planning Criteria

Planning Criteria Met

Assessment level: When the land use has a "grazed" modifier, livestock forage, roughage and supplemental nutritional requirements addressed.

Yes No

Evaluation Tests

Evaluation Test Met

The current crop rotation provides ample feed and/or forages to support the livestock on the farm. Soil erosion and compaction are also lessened.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Annual/Mixed

Inefficient Energy Use

Equipment and Facilities

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.

Yes No

Farming/Ranching Practices and Field Operations

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Recommendations/components of an energy audit have been applied. The audit addressed field operations on the farm. For example, energy loss from driven equipment, irrigation, or pumping have been improved.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The water erosion rate is <= T.

Yes No

Evaluation Tests

Evaluation Test Met

All hayed acres maintain at least 90 percent cover all year.

Yes No

Irrigation water use is managed to reduce irrigation induced soil erosion.

Yes No

The orchard or vineyard floor is covered by protective plants during critical erosion periods. <state provides critical erosion period(s) list; may be different within different regions of the same state>

Yes No

Row orientation is across the slope or on a contour. (Applies nursery crops, orchards and vineyards)

Yes No

Wind Erosion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The wind erosion rate is <= T.

Yes No

Evaluation Tests

Evaluation Test Met

All hayed acres maintain at least 90 percent cover all year.

Yes No

Tree and shrub rows are placed perpendicular, or as close as possible, to prevailing winds.

Yes No

The orchard or vineyard floor is covered by protective plants during critical erosion periods. <state provides critical erosion period(s) list; may be different within different regions of the same state>

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Ephemeral Gully Erosion

Planning Criteria

Planning Criteria Met

Screening level: Ephemeral gullies are not occurring. Assessment level: Conservation practices and managements are in place to prevent or control ephemeral gullies.

Yes No

Evaluation Tests

Evaluation Test Met

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

Yes No

Classic Gully Erosion

Planning Criteria

Planning Criteria Met

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

Yes No

Evaluation Tests

Evaluation Test Met

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

Yes No

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Planning Criteria Met

Screening level: Streams, shoreline or channels are not adjacent to site. Assessment level: 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.

Yes No

Evaluation Tests

Evaluation Test Met

Excluding all fundamentally unstable, natural geomorphic streambanks/shorelines, all streambanks/shorelines on the operation show few signs of erosion or bank failure. Each is stable and protected with natural materials.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Soil Quality Degradation

Organic Matter Depletion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 80%. Assessment level: The SCI is > 0.

Yes No

Evaluation Tests

Evaluation Test Met

The orchard or vineyard floor is covered by protective plants for the majority of the year.

Yes No

Compaction

Planning Criteria

Planning Criteria Met

Screening level: Soil compaction is not a problem AND activities do not cause soil compaction problems. Assessment level: Compaction is managed to meet client's production and management objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Soil moisture is tested to reduce soil compaction. Typical methods include moisture-by-feel or moisture meters.

Yes No

Controlled traffic systems are commonly used to reduce soil compaction. Typical methods include either GPS or manual methods.

Yes No

Concentration of Salts and other Chemicals

Planning Criteria

Planning Criteria Met

Screening level: Activities do not cause salinity/sodicity problems. Assessment level: Conservation practices and managements are in place to mitigate on-site effects.

Yes No

Evaluation Tests

Evaluation Test Met

An irrigation water management plan is followed. Sufficient water is applied to maintain a proper salt balance in the soil profile.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Excess Water

Runoff and Flooding and Ponding

Planning Criteria

Planning Criteria Met

Screening level: Ponding or flooding not a problem AND activities do not cause ponding/flooding problems. Assessment level: Excess water is managed to meet client's objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Excessive water runoff, flooding, and water ponding are not concerns; or measures are applied such as grassed waterways, terraces, diversions, filter strips to reduce excessive runoff; or if flooding is a concern crops and field activities are managed within the seasonal flooding periods; or where ponding is a concern land leveling or shallow surface drains prevent ponding of water that limits crop production.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Insufficient Water

Inefficient Use of Irrigation Water

Planning Criteria

Planning Criteria Met

Screening level: PLU is not irrigated. Assessment level: The irrigation system components and management result in a Farm Irrigation Rating Index > 60 AND meets applicable State in-stream flow and lake and pond water levels requirements.

Yes No

Evaluation Tests

Evaluation Test Met

An irrigation water management plan is followed that: -meets the crop's needs, while maximizing irrigation water efficiency, -schedules water application based on soil moisture monitoring and/or evapotranspiration monitoring, -measures and records the amount of water you use to irrigate as it comes onto the farm and goes to each field, AND -the system's distribution uniformity has been evaluated and necessary changes were made.

Yes No

Inefficient Moisture Management

Planning Criteria

Planning Criteria Met

Screening level: Moisture management is not a problem AND activities do not cause inefficient moisture management problems. Assessment level: Runoff and evapotranspiration levels are minimized to meet client's management objectives.

Yes No

Evaluation Tests

Evaluation Test Met

The existing plant community was selected to efficiently utilize available moisture.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Water Quality Degradation

Pesticides in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize surface water impacts.

Yes No

Evaluation Tests

Evaluation Test Met

A site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies are applied. If pesticide application is required, an environmental risk screening tool is used (such as WIN-PST or similar LGU approval tool) and application rates and timing are compliant with the label and the conservation plan.

Yes No

Pesticides in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize ground water impacts.

Yes No

Evaluation Tests

Evaluation Test Met

A site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies are applied. If pesticide application is required, an environmental risk screening tool is used (such as WIN-PST or similar LGU approval tool) and application rates and timing are compliant with the label and the conservation plan.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Nutrients in Surface Water

Planning Criteria

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed. Assessment level: 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 surface water impacts.

Planning Criteria Met

Yes No

Evaluation Tests

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 (<= 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.

Evaluation Test Met

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

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Nutrients in Ground Water

Planning Criteria

Screening level: Organic or inorganic nutrients are not applied AND PLU is not grazed. Assessment level: 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

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 (<= 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.

Evaluation Test Met

Yes No

Salts in Surface Water

Planning Criteria

Screening level: Excess salt is not a problem AND activities do not contribute to excess salt problem. Assessment level: Salt concentrations are managed to mitigate off-site transport to surface waters.

Planning Criteria Met

Yes No

Evaluation Tests

An irrigation water management plan is followed. Sufficient water is applied to maintain a proper salt balance in the soil profile.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Salts in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Excess salt is not a problem AND activities do not contribute to excess salt problem. Assessment level: Salt concentrations are managed to mitigate off-site transport to groundwater.

Yes No

Evaluation Tests

Evaluation Test Met

The concentration and likely harmfulness of salt is managed to limit impact on desired plants.

Yes No

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

Planning Criteria

Planning Criteria Met

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

Yes No

Evaluation Tests

Evaluation Test Met

Manure and other biosolids are applied using a nutrient budget 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 (<= 3yrs), (b) Soil organic matter mineralization, (c) Legumes in rotation, (d) Avoiding manure applications when soils are frozen, snow covered, or saturated, (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. Minimum setbacks are maintained from drainageways, wells, ditched, streams, rivers, and water bodies.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

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

Planning Criteria

Planning Criteria Met

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

Yes No

Evaluation Tests

Evaluation Test Met

Manure and other biosolids are applied using a nutrient budget 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 (<= 3yrs),(b) Soil organic matter mineralization,(c) Legumes in rotation,(d) Avoiding manure applications when soils are frozen, snow covered, or saturated,(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.Minimum setbacks are maintained from drainageways, wells, ditched, streams, rivers, and water bodies.

Yes No

Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to surface water.

Yes No

Evaluation Tests

Evaluation Test Met

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-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to groundwater.

Yes No

Evaluation Tests

Evaluation Test Met

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

Excessive Sediment in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: 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 $\leq T$ AND wind erosion rate is $\leq T$.

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

All temporary or permanent rills and gullies are stabilized.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Air Quality Impacts

Emissions of Ozone Precursors

Planning Criteria

Screening level: Operations are not present that produce ozone precursor emissions. Ozone precursor producing activities are: Engines (combustion source), Pesticide application, Burning, CAFO/manure management, Fertilization (manure/commercial). Assessment level: Ozone precursor emissions are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Ozone precursor producing activities are minimized by using one or more of the following activities: Reducing combustible engines exhaust via TIER 4 engine, applying IPM principles for pesticide applications, injection or incorporation of manure, nitrogen fertilizer incorporation or use of a nitrogen stabilizer.

Evaluation Test Met

Yes No

Emission of Greenhouse Gases (GHGs)

Planning Criteria

Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emissions are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

If Nitrogen is applied, Nitrogen is applied as close as possible to crop uptake needs at the recommended rates.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Degraded Plant Condition

Undesirable Plant Productivity and Health

Planning Criteria

Screening level: Plant production and health is not a client concern.
Assessment level: 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

Plants and crops are adapted to the soil and site conditions and produce average yield levels for the county in typical years.

Evaluation Test Met

Yes No

Excessive Plant Pest Pressure

Planning Criteria

Screening level: Plant productivity is not limited from pest pressure.
Assessment level: Pest damage to plants are below economic or environmental thresholds or client-identified criteria AND plant pests, including noxious and invasive species are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Weeds, insects, and diseases do not limit crop production.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Assessment level: 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.

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

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Inadequate Habitat - Cover/Shelter

Planning Criteria

Planning Criteria Met

Assessment level: 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 managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

Yes No

Evaluation Tests

Evaluation Test Met

Livestock access to stream is controlled OR limited to small watering or crossing areas

Yes No

Forage harvests cover patterns and minimum plant heights are planned for a desired wildlife species. <See species list State Wildlife Action Plan>

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

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.

Yes No

Inadequate Habitat - Water

Planning Criteria

Planning Criteria Met

Assessment level: 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 at the right height, depth and time of year for wildlife species of concern

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Assessment level: 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 targeted species.

Planning Criteria Met

Yes No

Evaluation Tests

Connectivity between food resources and cover and shelter is provided for the chosen wildlife species. <see State Wildlife Action Plan>

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Livestock Production Limitation

Inadequate Feed and Forage

Planning Criteria

Planning Criteria Met

Assessment level: When the land use has a "grazed" modifier, livestock forage, roughage and supplemental nutritional requirements addressed.

Yes

No

Evaluation Tests

Evaluation Test Met

The existing feed/forage quantity/quality meet the livestock needs and goals.

Yes

No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Crop Perennial

Inefficient Energy Use

Equipment and Facilities

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.

Yes No

Renewable energy systems are applied. For example, solar, wind, geothermal, or hydro.

Yes No

Farming/Ranching Practices and Field Operations

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Recommendations/components of an energy audit have been applied. The audit addressed field operations on the farm. For example, energy loss from driven equipment, irrigation, or pumping have been improved.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The water erosion rate is <= T.

Yes No

Evaluation Tests

Evaluation Test Met

All non-traffic areas are vegetated.

Yes No

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

Yes No

Wind Erosion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The wind erosion rate is <= T.

Yes No

Evaluation Tests

Evaluation Test Met

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

Yes No

All non-traffic areas are vegetated.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Classic Gully Erosion

Planning Criteria

Planning Criteria Met

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

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 erosion or large streams of water.

Yes No

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

Yes No

Soil erosion in areas integrated with trees is controlled. There are no impacts on sensitive vegetation. There are no occurrences or enlargement of gullies.

Yes No

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Planning Criteria Met

Screening level: Streams, shoreline or channels are not adjacent to site. Assessment level: 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.

Yes No

Evaluation Tests

Evaluation Test Met

Excluding all fundamentally unstable, natural geomorphic streambanks/shorelines, all streambanks/shorelines on the operation show few signs of erosion or bank failure. Each is stable and protected with natural materials.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Soil Quality Degradation

Concentration of Salts and other Chemicals

Planning Criteria

Screening level: Activities do not cause salinity/sodicity problems.
Assessment level: Conservation practices and managements are in place to mitigate on-site effects.

Planning Criteria Met

Yes No

Evaluation Tests

All erodible areas with high chemical concentrations (such as high salts) have been stabilized with permanent vegetation.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Excess Water

Runoff and Flooding and Ponding

Planning Criteria

Planning Criteria Met

Screening level: Ponding or flooding not a problem AND activities do not cause ponding/flooding problems. Assessment level: Excess water is managed to meet client's objectives.

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 flooding or ponding

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Insufficient Water

Inefficient Moisture Management

Planning Criteria

Screening level: Moisture management is not a problem AND activities do not cause inefficient moisture management problems. Assessment level: Runoff and evapotranspiration levels are minimized to meet client's management objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Management choices include actions to limit moisture loss. For example, maintaining shade, retaining the forest litter layer, and maintaining correct stocking levels.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Water Quality Degradation

Pesticides in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize surface water impacts.

Yes No

Evaluation Tests

Evaluation Test Met

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 approval tool). Application rates and timing are compliant with the label and the conservation plan.

Yes No

Pesticides in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize ground water impacts.

Yes No

Evaluation Tests

Evaluation Test Met

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 approval tool). Application rates and timing are compliant with the label and the conservation plan.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Nutrients in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed AND there are no confined livestock areas. Assessment level: Conservation practices and managements are in place to minimize surface water impacts AND surface waters are protected from contamination due to runoff and leaching from storage sites, spill and other concentrated sources.

Yes No

Evaluation Tests

Evaluation Test Met

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

Yes No

Manure and untreated runoff from animal pens, feedlots, or similar AFO 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 Surface Water

Planning Criteria

Planning Criteria Met

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

Yes No

Evaluation Tests

Evaluation Test Met

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

Yes No

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

Yes No

Any water well(s) is located at least 100 feet from animal pens, feedlots, or similar AFO. Runoff from these areas is treated. An impervious barrier around the well prevents seepage into the groundwater.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

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

Planning Criteria

Planning Criteria Met

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

Yes No

Evaluation Tests

Evaluation Test Met

Any water well(s) is located at least 100 feet from animal pens, feedlots, or similar AFO. Runoff from these areas is treated. An impervious barrier around the well prevents seepage into the groundwater.

Yes No

Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to surface water.

Yes No

Evaluation Tests

Evaluation Test Met

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-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to groundwater.

Yes No

Evaluation Tests

Evaluation Test Met

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

Excessive Sediment in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: 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 $\leq T$ AND wind erosion rate is $\leq T$.

Yes No

Evaluation Tests

Evaluation Test Met

All small, temporary or permanent rills and gullies are stabilized.

Yes No

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

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Air Quality Impacts

Emissions of Particulate Matter (PM) and PM Precursors

Planning Criteria

Screening level: Activities are not present that contribute to agricultural source PM or PM precursor emissions AND 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). Assessment level: PM and PM Precursor emissions are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Dust is controlled on all non-vegetated, unpaved travel ways.

Evaluation Test Met

Yes No

Emissions of Ozone Precursors

Planning Criteria

Screening level: Operations are not present that produce ozone precursor emissions. Ozone precursor producing activities are: Engines (combustion source), Pesticide application, Burning, CAFO/manure management, Fertilization (manure/commercial). Assessment level: Ozone precursor emissions are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Energy-efficient vehicles, equipment, and actions are used to lessen discharges of NOx and SOx. For example, using the minimum level of equipment needed to accomplish the activity, minimizing number of trips into the forest, and leaving woody residue in place if not a fire or pest hazard.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Emission of Greenhouse Gases (GHGs)

Planning Criteria

Planning Criteria Met

Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emmissions are managed to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Energy-efficient vehicles, equipment, and actions are used to lessen discharges of NOx and SOx. For example, using the minimum level of equipment needed to accomplish the activity, minimizing number of trips into the forest, and leaving woody residue in place if not a fire or pest hazard.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Degraded Plant Condition

Excessive Plant Pest Pressure

Planning Criteria

Planning Criteria Met

Screening level: Plant productivity is not limited from pest pressure. Assessment level: Pest damage to plants are below economic or environmental thresholds or client-identified criteria AND plant pests, including noxious and invasive species are managed to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Plant growth and cover is managed to develop and maintain habitat to help plant diversity.

Yes No

Invasive and noxious weeds are controlled or not present.

Yes No

Wildfire Hazard, Excessive Biomass Accumulation

Planning Criteria

Planning Criteria Met

Screening level: Wildfire hazards is not a concern. Assessment level: Fuel loads and fuel ladders are managed to provide defensible space and meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

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

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Assessment level: 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.

Planning Criteria Met

Yes No

Evaluation Tests

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.

Evaluation Test Met

Yes No

Inadequate Habitat - Cover/Shelter

Planning Criteria

Assessment level: 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 managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat 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

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Inadequate Habitat - Water

Planning Criteria

Assessment level: 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

Water for habitat is at the right height, depth and time of year for wildlife species of concern

Evaluation Test Met

Yes No

Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Assessment level: 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 targeted species.

Planning Criteria Met

Yes No

Evaluation Tests

People, vehicles, equipment, or livestock are only moved across a stream/river at a bridge, culvert, or stabilized ford crossing(s). Travel across the stream/river beyond these crossings is controlled.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Farmstead

Inefficient Energy Use

Equipment and Facilities

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

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

Yes No

Renewable energy systems are applied. For example, solar, wind, geothermal, or hydro.

Yes No

Farming/Ranching Practices and Field Operations

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Energy loss from driven equipment, irrigation, or pumping has been improved.

Yes No

Renewable energy systems are applied. For example, solar, wind, geothermal, or hydro.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The water erosion rate is <= T.

Yes No

Evaluation Tests

Evaluation Test Met

Plant cover controls active erosion (shallow <1 foot deep rills/gullies) and runoff from normal rain events. No litter dams or terracettes are present.

Yes No

Plants are perennial, adapted to the site, productive and healthy.

Yes No

Wind Erosion

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10%.
 Assessment level: The wind erosion rate is <= T.

Yes No

Evaluation Tests

Evaluation Test Met

All areas expected to have high erosion rates are stable.

Yes No

Classic Gully Erosion

Planning Criteria

Planning Criteria Met

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

Yes No

Evaluation Tests

Evaluation Test Met

Plant cover controls active erosion (gullies <1 foot deep).

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Planning Criteria Met

Screening level: Streams, shoreline or channels are not adjacent to site.
Assessment level: Bank erosion is beyond the client's control or commensurate with normal geomorphological processes, AND PCS - streambank/shoreline erosion element score is ≥ 4 .

Yes No

Evaluation Tests

Evaluation Test Met

All stream and channel banks, pond and other shorelines are stable.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Soil Quality Degradation

Organic Matter Depletion

Planning Criteria

Screening level: Permanent ground cover > 80%. Assessment level: The SCI is > 0, OR the PCS - plant cover element score is >= 4 AND the PCS - plant residue element score is >= 4.

Planning Criteria Met

Yes No

Evaluation Tests

Plants are perennial, adapted to the site, productive and healthy.

Evaluation Test Met

Yes No

Compaction

Planning Criteria

Screening level: Soil compaction is not a problem AND activities do not cause soil compaction problems. Assessment level: The PCS - compaction element score is >= 4.

Planning Criteria Met

Yes No

Evaluation Tests

Soils are not compacted past a point that limits plant root depth and growth.

Evaluation Test Met

Yes No

Concentration of Salts and other Chemicals

Planning Criteria

Screening level: Activities do not cause salinity/sodicity problems. Assessment level: Conservation practices and managements are in place to mitigate on-site effects.

Planning Criteria Met

Yes No

Evaluation Tests

All erodible areas with high chemical concentrations (such as high salts) have been stabilized with permanent vegetation.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Insufficient Water

Inefficient Use of Irrigation Water

Planning Criteria

Planning Criteria Met

Screening level: PLU is not irrigated. Assessment level: The irrigation system components and management result in a Farm Irrigation Rating Index > 60 AND meets applicable State in-stream flow and lake and pond water levels requirements.

Yes No

Evaluation Tests

Evaluation Test Met

An irrigation water management plan is followed that: -meets the forage's needs, while maximizing irrigation water efficiency, -schedules water application based on soil moisture monitoring and/or evapotranspiration monitoring, -measures and records the amount of water you use to irrigate as it comes onto the farm and goes to each field, AND -the system's distribution uniformity has been evaluated and necessary changes were made.

Yes No

Inefficient Moisture Management

Planning Criteria

Planning Criteria Met

Screening level: Moisture management is not a problem AND activities do not cause inefficient moisture management problems. Assessment level: The PCS - compaction element score is ≥ 4 AND the PCS - plant cover element score is ≥ 4 .

Yes No

Evaluation Tests

Evaluation Test Met

Predominate plants are adapted to the site, usual rain fall, and are useful as intended.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Water Quality Degradation

Pesticides in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize surface water impacts.

Yes No

Evaluation Tests

Evaluation Test Met

A site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies are applied. If pesticide application is required, an environmental risk screening tool is used (such as WIN-PST or similar LGU approval tool) and application rates and timing are compliant with the label and the conservation plan.

Yes No

Pesticides in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize ground water impacts.

Yes No

Evaluation Tests

Evaluation Test Met

A site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies are applied. If pesticide application is required, an environmental risk screening tool is used (such as WIN-PST or similar LGU approval tool) and application rates and timing are compliant with the label and the conservation plan.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Nutrients in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND grazed PLU is not adjacent to streams, ponds, or lakes AND there are no confined livestock areas. Assessment level: The PCS - streambank/shoreline erosion element score is ≥ 4 AND the PCS - livestock concentration areas element score is ≥ 4 , OR Nutrients are applied and based on a soil test, tissue test or nutrient budget.

Yes No

Evaluation Tests

Evaluation Test Met

If nutrients are applied, they do not degrade surface/ground water quality. Water use is not limited.

Yes No

Livestock access to stream is controlled OR limited to small watering or crossing areas

Yes No

Nutrients in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND grazed PLU is not adjacent to streams, ponds, or lakes AND there are no confined livestock areas. Assessment level: The PCS - streambank/shoreline erosion element score is ≥ 4 AND the PCS - livestock concentration areas element score is ≥ 4 , OR Nutrients are applied and based on a soil test, tissue test or nutrient budget.

Yes No

Evaluation Tests

Evaluation Test Met

If nutrients are applied, they do not degrade surface/ground water quality. Water use is not limited.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Salts in Surface Water

Planning Criteria

Screening level: Excess salt is not a problem AND activities do not contribute to excess salt problem. Assessment level: Salt concentrations are managed to mitigate off-site transport to surface waters.

Planning Criteria Met

Yes No

Evaluation Tests

The concentration and harmfulness of salt is managed to reduce its impact on desired plants.

Evaluation Test Met

Yes No

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

Planning Criteria

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

Planning Criteria Met

Yes No

Evaluation Tests

Manure, compost, or biosolids are applied per their test report. Grazing management optimizes applied products.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants.
 Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to surface water.

Yes No

Evaluation Tests

Evaluation Test Met

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

Soil amendments are applied per their test report. Grazing management maintains adequate cover to reduce pollutant transport to surface water.

Yes No

Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants.
 Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to groundwater.

Yes No

Evaluation Tests

Evaluation Test Met

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-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Excessive Sediment in Surface Water

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: 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 $\leq T$ AND wind erosion rate is $\leq T$.

Planning Criteria Met

Yes No

Evaluation Tests

Plant cover controls active erosion (shallow <1 foot deep rills/gullies) and runoff from normal rain events. No litter dams are present.

Evaluation Test Met

Yes No

Elevated Water Temperature

Planning Criteria

Screening level: Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment OR water course temperature is not a client concern. Assessment level: The SVAP2 - riparian area quality element score is ≥ 5 AND the SVAP2 - riparian area quantity quality element score is ≥ 5 AND the SVAP2 - canopy cover element score is ≥ 6 , OR existing conservation practices are in place to address water temperature.

Planning Criteria Met

Yes No

Evaluation Tests

Surface water temperatures do not limit use for fish, wildlife, invertebrates, or other intended purposes due to grazing management.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Air Quality Impacts

Emission of Greenhouse Gases (GHGs)

Planning Criteria

Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emmissions are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Forage Supply and Demand Balance is achieved.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Degraded Plant Condition

Undesirable Plant Productivity and Health

Planning Criteria

Assessment level: The PCS is 30 or above. Plants are adapted to the site, meet production goals and do not negatively impact other resources.

Planning Criteria Met

Yes No

Evaluation Tests

Plants are perennial, adapted to the site, productive and healthy.

Evaluation Test Met

Yes No

Inadequate Structure and Composition

Planning Criteria

Screening level: Plant communities support the intended land use and desired ecological functions. Assessment level: Plant communities contain adequate diversity, composition and structure to support desired ecological functions.

Planning Criteria Met

Yes No

Evaluation Tests

The current plants provide the desired habitat structure and composition.

Evaluation Test Met

Yes No

Excessive Plant Pest Pressure

Planning Criteria

Screening level: Plant productivity is not limited from pest pressure. Assessment level: The PCS - insect and disease pressure element score is ≥ 4 AND the PCS - site adaptation element score is ≥ 4 .

Planning Criteria Met

Yes No

Evaluation Tests

Plant growth and cover is managed as to inhibit pest plant introduction.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Assessment level: 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.

Planning Criteria Met

Yes No

Evaluation Tests

The plant cover provides food for the chosen wildlife species.

Evaluation Test Met

Yes No

Inadequate Habitat - Cover/Shelter

Planning Criteria

Assessment level: 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 managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes No

Evaluation Tests

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.

Evaluation Test Met

Yes No

The plant cover provides cover and shelter for the chosen wildlife species.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Inadequate Habitat - Water

Planning Criteria

Assessment level: 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

Water for habitat is at the right height, depth and time of year for wildlife species of concern

Evaluation Test Met

Yes No

Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Assessment level: 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 targeted species.

Planning Criteria Met

Yes No

Evaluation Tests

Connectivity between food resources and cover and shelter is provided for the chosen wildlife species. <see State Wildlife Action Plan>

Evaluation Test Met

Yes No

Plant cover provides space for wildlife species.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Livestock Production Limitation

Inadequate Feed and Forage

Planning Criteria

Planning Criteria Met

Assessment level: When the land use has a "grazed" modifier, livestock forage, roughage and supplemental nutritional requirements addressed.

Yes No

Evaluation Tests

Evaluation Test Met

The existing feed/forage quantity/quality meet the livestock needs and goals.

Yes No

Inadequate Water

Planning Criteria

Planning Criteria Met

Assessment level: When the land use has a "grazed" modifier, water of acceptable quality and quantity adequately distributed to meet animal needs.

Yes No

Evaluation Tests

Evaluation Test Met

The livestock have enough drinking water of good quality.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Pasture

Inefficient Energy Use

Farming/Ranching Practices and Field Operations

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

An irrigation water management plan is followed that: -meets the crop's needs, while maximizing irrigation water efficiency, -schedules water application based on soil moisture monitoring and/or evapotranspiration monitoring, -measures and records the amount of water you use to irrigate as it comes onto the farm and goes to each field, AND -the system's distribution uniformity has been evaluated and necessary changes were made.

Yes No

Renewable energy systems are applied. For example, solar, wind, geothermal, or hydro.

Yes No

Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Screening level: State established criteria. Assessment level: RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive

Planning Criteria Met

Yes No

Evaluation Tests

Plant cover controls active erosion (shallow <1 foot deep rills/gullies) and runoff from normal rain events. Litter and soil stay in place during normal rain events.

Evaluation Test Met

Yes No

Wind Erosion

Planning Criteria

Screening level: State established criteria. Assessment level: RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive

Planning Criteria Met

Yes No

Evaluation Tests

Plant cover controls wind erosion. No blow outs, deposition along fence lines, or on the leeward side of objects is present.

Evaluation Test Met

Yes No

Classic Gully Erosion

Planning Criteria

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

Planning Criteria Met

Yes No

Evaluation Tests

Plant cover controls active erosion (gullies <1 foot deep).

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Planning Criteria Met

Screening level: Streams, shoreline or channels are not adjacent to site.

Yes

No

Assessment level: 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.

Evaluation Tests

Evaluation Test Met

Current plant cover controls active stream bank erosion.

Yes

No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Soil Quality Degradation

Organic Matter Depletion

Planning Criteria

Planning Criteria Met

Screening level: Soil organic matter depletion is not a problem AND activities do not cause soil organic matter depletion. Assessment level: The RHA - soil site stability is slight to moderate or less AND the RHA - biotic integrity attribute rating is slight to moderate departure or less, OR Rangeland Planned Trend is positive.

Yes No

Evaluation Tests

Evaluation Test Met

Plants growing are expected, desired, and suited to the site.

Yes No

Compaction

Planning Criteria

Planning Criteria Met

Screening level: Soil compaction is not a problem AND activities do not cause soil compaction problems. Assessment level: The RHA - soil site stability is slight to moderate or less OR compaction is managed to meet client's production and management objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Soils are not compacted past a point that limits plant root depth and growth.

Yes No

Concentration of Salts and other Chemicals

Planning Criteria

Planning Criteria Met

Screening level: Activities do not cause salinity/sodicity problems. Assessment level: Conservation practices and managements are in place to mitigate on-site effects.

Yes No

Evaluation Tests

Evaluation Test Met

All erodible areas with high chemical concentrations (such as high salts) have been stabilized with permanent vegetation.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Water Quality Degradation

Pesticides in Surface Water

Planning Criteria

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize surface water impacts.

Planning Criteria Met

Yes No

Evaluation Tests

If pesticides are applied, they are applied according to label and an environmental risk screening tool is utilized (such as WIN-PST).

Evaluation Test Met

Yes No

Pesticides in Ground Water

Planning Criteria

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize ground water impacts.

Planning Criteria Met

Yes No

Evaluation Tests

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 approval tool).

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Nutrients in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed AND there are no confined livestock areas.

Yes No

Assessment level: Nutrients if applied, are based on a soil test, tissue tests or nutrient budget AND conservation practices and managements are in place to minimize surface water impacts.

Evaluation Tests

Evaluation Test Met

Livestock access to stream is controlled OR limited to small watering or crossing areas

Yes No

Nutrients in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed AND there are no confined livestock areas.

Yes No

Assessment level: Nutrients if applied, are based on a soil test, tissue tests or nutrient budget AND conservation practices and managements are in place to minimize ground water impacts.

Evaluation Tests

Evaluation Test Met

When sinkholes are present in karst regions, livestock utilization of immediate sinkhole watershed area is managed to avoid nutrient additions to groundwater.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Excessive Sediment in Surface Water

Planning Criteria

Screening level: There are no untreated sources of erosion AND streams or shoreline are not on or adjacent to site. Assessment level: The RHA - hydrologic function attribute - is slight to moderate or less AND the SVAP2 - bank condition is ≥ 5 .

Planning Criteria Met

Yes No

Evaluation Tests

Plant cover controls active erosion (shallow <1 foot deep rills/gullies) and runoff from normal rain events. Litter and soil stay in place during normal rain events.

Evaluation Test Met

Yes No

Elevated Water Temperature

Planning Criteria

Screening level: Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment OR water course temperature is not a client concern. Assessment level: The SVAP2 - riparian area quality element score is ≥ 5 AND the SVAP2 - riparian area quantity quality element score is ≥ 5 AND the SVAP2 - canopy cover element score is ≥ 6 , OR existing conservation practices are in place to address water temperature.

Planning Criteria Met

Yes No

Evaluation Tests

Surface water temperatures in perennial streams do not limit use for the intended purposes.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Air Quality Impacts

Emissions of Particulate Matter (PM) and PM Precursors

Planning Criteria

Planning Criteria Met

Screening level: Activities are not present that contribute to agricultural source PM or PM precursor emissions AND 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). Assessment level: PM and PM Precursor emissions are managed to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

If prescribed burning is implemented, a prescribed burn plan has been developed and followed by competent, trained fire personnel.

Yes No

If prescribed burning is employed, the smoke management objectives in the burn plan are followed.

Yes No

If planted windbreaks exist, then existing windbreak(s)/shelterbelt(s) function has been improved or restored.

Yes No

Emission of Greenhouse Gases (GHGs)

Planning Criteria

Planning Criteria Met

Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emissions are managed to meet client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Forage Supply and Demand Balance is achieved.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Degraded Plant Condition

Undesirable Plant Productivity and Health

Planning Criteria

Planning Criteria Met

Assessment level: Vegetation meet similarity index or range condition score of 60 or greater for desired plant community and has a positive trend OR RHA - biotic integrity attribute rating - is slight to moderate departure or less.

Yes No

Evaluation Tests

Evaluation Test Met

When prescribed burning is needed and utilized, a prescribed burn plan has been developed and followed by competent, trained fire personnel.

Yes No

Plant yield, vigor, and quality are as expected.

Yes No

Inadequate Structure and Composition

Planning Criteria

Planning Criteria Met

Screening level: Plant communities support the intended land use and desired ecological functions. Assessment level: Plant communities contain adequate diversity, composition and structure to support desired ecological functions OR the RHA - biotic integrity attribute rating is slight to moderate departure or less OR vegetation meet similarity index of 60 or greater for desired plant community and has a positive trend.

Yes No

Evaluation Tests

Evaluation Test Met

Plants growing are expected, desired, and suited to the site.

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Excessive Plant Pest Pressure

Planning Criteria

Screening level: Plant productivity is not limited from pest pressure.
Assessment level: Pest damage to plants are below economic or environmental thresholds or client-identified criteria AND plant pests, including noxious and invasive species are managed to meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

The current plants provide the desired plant community for the site.

Evaluation Test Met

Yes No

Wildfire Hazard, Excessive Biomass Accumulation

Planning Criteria

Screening level: Wildfire hazards is not a concern. Assessment level: Fuel loads and fuel ladders are managed to provide defensible space and meet client objectives.

Planning Criteria Met

Yes No

Evaluation Tests

Active management occurs to avoid too much buildup of likely wildfire fuels.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Assessment level: 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.

Planning Criteria Met

Yes No

Evaluation Tests

The plant cover provides cover and food for the chosen wildlife species.

Evaluation Test Met

Yes No

Inadequate Habitat - Cover/Shelter

Planning Criteria

Assessment level: 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 managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes No

Evaluation Tests

Plant growth and cover is managed to develop and maintain habitat for the benefit of wildlife species.

Evaluation Test Met

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Inadequate Habitat - Water

Planning Criteria

Planning Criteria Met

Assessment level: 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

The plant cover provides cover and food for the chosen wildlife species.

Yes No

Watering facilities have escape ramps installed. The water surface can be safely accessed.

Yes No

Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Planning Criteria Met

Assessment level: 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 targeted species.

Yes No

Evaluation Tests

Evaluation Test Met

Existing fences allow wildlife movement without harm.

Yes No

Connectivity between food resources and cover and shelter is provided for the chosen wildlife species. <see State Wildlife Action Plan>

Yes No

CSP-2017-1 CO - Statewide Ag Land (General, BFR & SDFR) Range

Livestock Production Limitation

Inadequate Feed and Forage

Planning Criteria

Planning Criteria Met

Assessment level: When the land use has a "grazed" modifier, livestock forage, roughage and supplemental nutritional requirements addressed.

Yes No

Evaluation Tests

Evaluation Test Met

Plant cover includes desired plants that are sufficient for the dietary needs and production goals of the livestock.

Yes No

Inadequate Shelter

Planning Criteria

Planning Criteria Met

Assessment level: When the land use has a "grazed" modifier, artificial or natural shelters meet animal health needs and client objectives.

Yes No

Evaluation Tests

Evaluation Test Met

Livestock have adequate shelter.

Yes No

Inadequate Water

Planning Criteria

Planning Criteria Met

Assessment level: When the land use has a "grazed" modifier, water of acceptable quality and quantity adequately distributed to meet animal needs.

Yes No

Evaluation Tests

Evaluation Test Met

The livestock have enough drinking water of good quality.

Yes No