

**CSP-2017-1 RI - Final Draft RI Agland 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

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**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**

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

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

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

**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

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**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

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**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: 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**

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

Yes       No

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Sacrifice areas are properly sited.

Yes       No

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

Yes       No

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

**Planning Criteria**

**Planning Criteria Met**

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

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

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 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

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**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

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**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**

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

Yes  No

Established filter strips are at least 30 feet wide and maintained.

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

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

Yes  No

**Elevated Water Temperature**

**Planning Criteria**

**Planning Criteria Met**

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.

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

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

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 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

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**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

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**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**

Invasive and noxious weeds are controlled or not present.

Yes  No

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**Fish and Wildlife - Inadequate Habitat**

**Inadequate Habitat - Food**

**Planning Criteria**

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

**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

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

Yes  No

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**Inadequate Habitat - Cover/Shelter**

**Planning Criteria**

**Planning Criteria Met**

Assessment level: The WHSI rating is  $\geq 0.5$  AND (when surface stream present) the SVAP2 - barriers to movement element score is  $\geq 7$  AND the SVAP2 - fish habitat complexity element score is  $\geq 7$  AND the SVAP2 - aquatic invertebrate habitat element score is  $\geq 7$ , OR conservation practices and 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**

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

Yes  No

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

Yes  No

**Inadequate Habitat - Water**

**Planning Criteria**

**Planning Criteria Met**

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

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

Changes to water flow for irrigation or otherwise are limited to not alter the stream's usual flow.

Yes  No

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**Inadequate Habitat - Habitat Continuity (Space)**

**Planning Criteria**

**Planning Criteria Met**

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

Yes  No

**Evaluation Tests**

**Evaluation Test Met**

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

Yes  No

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.

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**

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

Yes  No

**Farming/Ranching Practices and Field Operations**

**Planning Criteria**

**Planning Criteria Met**

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