

TABLE CSP2: RESOURCE CONCERNS AND QUALITY CRITERIA FOR JUDITH RIVER CSP WATERSHED IN MONTANA – FY08

NATURAL RESOURCE CONCERN	NATIONAL QUALITY CRITERIA	STATE QUALITY CRITERIA	TOOLS FOR CSP	ELIGIBILITY AND TIER CRITERIA FOR CSP
SOIL				
Soil Erosion–Sheet and Rill	Sheet and rill erosion does not exceed the Soil Loss Tolerance “T”.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Erosion–Wind	Wind erosion does not exceed the Soil Loss Tolerance “T” or, for plant damage, does not exceed Crop Damage Tolerances.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Erosion–Ephemeral Gully	Surface water runoff is controlled sufficiently to stabilize the small channels and prevent reoccurrence of new channels.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Erosion–Classic Gully	Surface water runoff is controlled sufficiently to stop progression of headcutting and widening.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Erosion–Streambank	Accelerated streambank soil loss does not exceed a level commensurate with upstream land use and normal geomorphological processes on site.	Assessment tool shows condition of stream is healthy or if off-site conditions cause the stream to be unhealthy, then landowner is not contributing to the problem.	Soil and Water Eligibility Tool (SWET) Tier I and Tier II Wildlife Habitat Eligibility Tool (WHET) Tier III	Pass on SWET WHET ≥ 0.5 for all applicable land uses
Soil Erosion–Irrigation-induced	Irrigation-induced erosion does not exceed the Soil Loss Tolerance “T”.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Condition–Organic Matter Depletion	Soil Conditioning Index is positive.	The calculation of the Soil Condition Rating Index Value will reflect a positive soil condition for cropland.	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Condition – Rangeland Site Stability	Indicators of Rangeland Health Attribute rating for Soil/Site Stability show Slight to Moderate or less departure from Ecological Reference Sheet (ESD).	SAME AS NATIONAL	Grazing Lands Eligibility Tool (GLET)	Pass on GLET

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SOIL				
Soil Condition – Contaminants – Salts and Other Chemicals	Salinity levels cause less than a 10% decrease in plant yield. Other contaminants do not exceed plant tolerances or are below toxic levels for plants or animals.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Condition – Contaminants: Animal Waste and Other Organics – N	Nitrogen nutrient application levels do not exceed soil storage/plant uptake capacities based on soil test recommendations and risk analysis results.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Condition – Contaminants: Animal Waste and Other Organics – P	Phosphorus nutrient application levels do not exceed soil storage/plant uptake capacities based on soil test recommendations and risk analysis results.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Condition – Contaminants: Commercial Fertilizer – N	Soil nutrient levels of nitrogen do not exceed crop needs based on realistic yield goals and appropriate pH levels are maintained.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Condition – Contaminants: Commercial Fertilizer – P	Soil nutrient levels of phosphorus do not exceed crop needs based on realistic yield goals and appropriate pH levels are maintained.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Soil Condition – Contaminants – Residual Pesticides	Pesticides are applied, stored, handled, and disposed of so that residues in the soil do not adversely affect non-targeted plants and animals.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET

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WATER

Water Quantity – Rangeland Hydrologic Cycle	Indicators of Rangeland Health Attribute rating for Hydrologic Cycle is Slight to Moderate or less departure from Ecological Reference Sheet (ESD).	SAME AS NATIONAL	Grazing Lands Eligibility Tool (GLET)	Pass on GLET
Water Quantity– Inefficient Water Use on Irrigated Land	Land and water management is planned and coordinated to provide optimal use of natural and applied moisture.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET) Tier I and Tier II Irrigation Enhancement Index Tier III	Pass on SWET ≥ 50
Water Quality– Excessive Nutrients and Organics in Groundwater	Nutrients and organics are stored, handled, disposed of, and applied such that groundwater uses are not adversely affected.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Water Quality– Excessive Nutrients and Organics in Surface Water	Nutrients and organics are stored, handled, disposed of, and managed such that surface water uses are not adversely affected.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Water Quality– Excessive Salinity in Groundwater	Salts are stored, handled, disposed of, applied, and managed such that groundwater uses are not adversely affected.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET
Water Quality– Excessive Salinity in Surface Water	Salts are stored, handled, disposed of, applied, and managed such that surface water uses are not adversely affected.	SAME AS NATIONAL	Soil and Water Eligibility Tool (SWET)	Pass on SWET

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PLANTS

		<i>Hayland</i> —A healthy, vigorous stand of desired, adapted species that meets the producer’s yield goals given the yield potential for the species for the given forage suitability group, or species listed on the Montana Desired Species List.	Soil Water Eligibility Tool (SWET)	Pass on SWET
Plant Condition—Noxious and Invasive Plants	The site is managed to control noxious and invasive plants and to minimize their spread.	SAME AS NATIONAL – PLANTS ARE LISTED ON STATE NOXIOUS WEED LIST.	Grazing Lands Eligibility Tool (GLET) Tier I Written plan to control noxious weeds. Producers answers to the Montana CSP Self Assessment book for Tier II and Tier III.	Pass on GLET Documentation that they are controlling and minimizing the spread of state-listed noxious weeds.*

*Third resource concern to be addressed in Judith River Watershed to meet requirements for Tier II.

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ANIMALS

Fish and Wildlife–Inadequate Food	Food availability meets the life history requirements of the species or guild of species of concern.	≥ .5 on the WHAG	Wildlife Habitat Eligibility Tool (WHET) Tier III	WHET ≥ .5
Fish and Wildlife–Inadequate Cover/Shelter	The ecosystem or habit types support the necessary plant species in adequate diversity, abundance, and physical structure; and the connectivity of fish and wildlife cover is adequate to support, over time, the species or guild of species of concern.	≥ .5 on the WHAG	Wildlife Habitat Eligibility Tool (WHET) Tier III	WHET ≥ .5
Fish and Wildlife–Inadequate Water	The quantity and quality of water meets the life history requirements of the species or guild of concern.	≥ .5 on the WHAG	Wildlife Habitat Eligibility Tool (WHET) Tier III	WHET ≥ .5
Fish and Wildlife–Inadequate Space	Area is adequate to meet life history requirements of the species or guild of species of concern. (Examples: staging areas for rest and feeding, lek areas for breeding, migratory movement corridors.)	≥ .5 on the WHAG	Wildlife Habitat Eligibility Tool (WHET) Tier III	WHET ≥ .5
Fish and Wildlife–Habitat Fragmentation	Fish and wildlife habitats are connected and are maintained sufficiently to support the species or guild of species of concern.	≥ .5 on the WHAG	Wildlife Habitat Eligibility Tool (WHET) Tier III	WHET ≥ .5

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ANIMALS

Fish and Wildlife–Threatened and Endangered Fish and Wildlife Species – Fish and Wildlife Species Listed or Proposed for Listing under the Endangered Species Act.	Populations and/or habitats of Threatened and endangered fish and wildlife species and/or habitats they occupy are managed to maintain, increase or improve current populations, health, or sustainability.	SAME AS NATIONAL	Fish and Wildlife – Threatened and Endangered Fish and Wildlife Species – Fish and Wildlife Species Listed or Proposed for Listing under the Endangered Species Act.	WHET ≥ .5 for Tier III
Fish and Wildlife – Threatened and Endangered Species, Declining Species, and Species of Concern	Populations and/or habitats of fish and wildlife species of concern are managed to maintain, increase or improve current populations, health, or sustainability.	SAME AS NATIONAL	Fish and Wildlife – Threatened and Endangered Species, Declining Species, and Species of Concern	WHET ≥ .5 for Tier III
Domestic Animals– Inadequate Quantities and Quality of Feed and Forage	Feed and forage, including supplemental nutritional requirements, are provided to meet production goals for the kinds and classes of livestock. Native grazers are factored into the total feed and forage balance computations.	Domestic animals are provided adequate food of sufficient quality and quantity with supplements to meet their nutritional requirements.	Grazing Lands Eligibility Tool (GLET)	Pass on GLET

Any other resource concerns identified must be addressed, please refer to Field Office Technical Guide (FOTG), Section III, Table I, National and State Resource Concerns and Quality Criteria.

EVALUATION CRITERIA WORKSHEET FOR FARMSTEAD AREA

(production areas and storage areas, including dairy, poultry, feeding operations, etc.)

FOR CSP- TIER III

Instructions: Check off components for each criterion to document that the resource issue has been visually reviewed and is adequately addressed. Use photos as needed to document conditions, especially if adverse conditions are noted. Reviewer to sign and date and then file in operating unit folder.

Name or identifier for the Parcel or Unit _____ Field Office _____

Watershed _____ Legal Location (Section/Township/Range) _____

1. Runoff from confinement area in livestock handling and feed areas (AFO or CAFO) is managed; i.e., clean water is physically separated from “dirty” water. “Dirty” water from manure pit, pond, pile does not contact state water through a pipe, channel, or other direct flow means.

- Yes No N/A Diversion, berm, or other physical feature separates clean water from “dirty” water.
- Yes No N/A Runoff is managed from loafing and feeding area (AFO or CAFO).
- Yes No N/A Runoff is managed from manure storage area (AFO or CAFO).
- Yes No N/A Runoff is managed from feeding area (AFO or CAFO).
- Yes No N/A Runoff is managed from feed storage area (silage bin, pit, and/or liquid tank).
- Yes No N/A Livestock do not have direct contact with state surface water.
- Yes No N/A No leaks observed in pipelines, manure storage, and transfer facilities or equipment.

2. Livestock mortalities are disposed of in a manner that decomposing bodies do not add to potential surface or ground water contamination or create an attractive nuisance for endangered species.

- Yes No N/A Mortalities are hauled away from the parcel and are properly disposed of offsite or mortalities disposed of onsite are buried at least two feet deep and at a distance of 200 yards from headquarters, floodplain, public highways, roads, or public property.
- Yes No N/A Observed no open bone yards or garbage dumps.

3. Wells are at least 100 feet from livestock confinement areas and/or at least 500 feet from a waste storage facility.

- Yes No N/A Livestock concentration/manure storage areas are at least 100 feet from down-gradient wells.
- Yes No N/A All wells (used or abandoned) are properly sealed and completed.

EVALUATION CRITERIA WORKSHEET FOR FARMSTEAD AREA
(production areas and storage areas, including dairy, poultry, feeding operations, etc.,)
FOR CSP- TIER III -- CONTINUED

4. Wells and surface water are located a safe distance (100 feet downgradient) from a fertilizer/pesticide storage site and/or mixing/loading areas including waste oil or petroleum product storage areas?
 Yes No N/A Fertilizer/pesticide storage and preparation sites are located a safe distance (100 feet) from down-gradient wells or surface water or sites are in a designed containment area.
 Yes No N/A Waste oil/petroleum product storage areas are located a safe distance (100 feet) from down-gradient wells or surface water or sites are in a designed containment area.

5. Pesticide containers are properly disposed of; i.e. triple-rinsed and stored in a safe manner.
 Yes No N/A Empty containers are hauled away or properly disposed of on the parcel.

Reviewer _____ Date _____

Note: Tier III requires all Yes or N/A answers. Explain all negative answers, or note corrective actions to be made prior to Tier III eligibility approval.
