

Checklist of Resource Concerns

FARMSTEAD

May-14

CLIENT		LOCATION	
PLANNER		DATE	
LAND UNITS		FARM No.	TRACT No.

This check sheet is designed to assist planners and clients in identifying resource concerns during the planning process. The planning criteria in Section III of the eFOTG sets the minimum level of treatment needed. If a screening question is NO, this indicates no resource concern exists and no assessment is required. If a screening question is YES, the assessment must be completed to evaluate if there is a resource concern. If the Assessment is YES, Planning Criteria is met. If the Assessment is NO, the Planning Criteria is not met and a Resource Concern exists.

Farmstead - Land used for facilities and supporting infrastructure where farming, forestry, animal husbandry and ranching activities are often initiated.

This may include dwellings, equipment storage plus farm input and output storage and handling facilities. Also includes land dedicated to the facilitation and production of high intensity animal agriculture in a containment facility where daily nutritional requirements are obtained from other lands or feed sources.

Resource Concern	Screening Questions No = Met Screening (Not a Resource Concern) YES = Needs to be Assessed <i>Suggested soils reports are italicized</i>	YES or NO or NA (Not Applicable)	Assessment Tools (check all that were used)	Assessment Level Required to Meet Planning Criteria YES = Meets Planning Criteria NO = Resource Concern	YES or NO or NA (Not Applicable)
SOILS RESOURCES					
1. SOIL EROSION: Sheet, rill and wind T [^] = Tolerable Soil Loss	Is perennial ground cover less than 90%, and slope greater than 10%? <i>Physical Properties, Hazard of Erosion On & / Off Road / Trail</i>		<input type="checkbox"/> Visual Inspection	Is the Water erosion rate less than or equal to T [^] ? AND Is the Wind erosion rate less than or equal to T [^] ?	
2.SOIL EROSION: Concentrated flow erosion	Are classic gullies present? <i>Physical Properties, MUD, Hazard of Erosion On & / Off Road / Trail</i>		<input type="checkbox"/> Field Measurements <input type="checkbox"/> Visual Inspection	Is classic gully management adequate to stop the progression of head cutting and widening and are offsite impacts minimized by vegetation and/or structures?	

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<p>3.SOIL EROSION: Excessive bank erosion from streams, shorelines or water conveyance channels</p>	<p>Are streams or shoreline on or adjacent to site?</p> <p>AND Is bank erosion from streams, shorelines or conveyance channels present? <i>MUD</i></p>	<p>Yellow Blue</p>	<p><input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2)</p>	<p>For shorelines and water conveyance channels: Are banks stable or commensurate with normal geomorphological processes? AND Is SVAP2 bank condition element score greater than or equal to 7? OR If present, is bank erosion caused by upstream land use and beyond the client's control?</p>	<p>Yellow Red</p>
<p>4. SOIL QUALITY DEGRADATION: Subsidence</p>	<p>Are there Histisol soils present exhibiting subsidence? <i>Hydric Soils, Soil Features</i></p>	<p>Yellow Blue</p>	<p><input type="checkbox"/> Visual Inspection</p>	<p>Is subsidence adequately managed to meet the client's objectives?</p>	<p>Yellow Red</p>
<p>5. SOIL QUALITY DEGRADATION: Compaction</p>	<p>Is soil compaction a problem? OR Do activities cause soil compaction problems? <i>Compaction Resistance</i></p>	<p>Yellow Blue</p>	<p><input type="checkbox"/> PCS - Pasture Condition Score <input type="checkbox"/> Soil Compaction Tester</p>	<p>Is compaction managed to meet Client's production and management objectives?</p>	<p>Yellow Red</p>
<p>8. EXCESS WATER: Ponding, flooding, seasonal high water table, seeps and drifted snow</p>	<p>Is excess water a problem? OR Do activities cause ponding/flooding problems? <i>Map Unit Descriptions (MUD), Water Features</i></p>	<p>Yellow Blue</p>	<p><input type="checkbox"/> Visual Inspection <input type="checkbox"/> Forest Roads Inventory Tool</p>	<p>Is excess water managed to meet Client's objectives?</p>	<p>Yellow Red</p>

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WATER RESOURCES					
9. INSUFFICIENT WATER: Inefficient moisture management	Is Moisture Management a problem? OR Do activities cause inefficient moisture management?		<input type="checkbox"/> Visual Inspection	Are runoff and evapotranspiration levels minimized to meet Client's management objectives?	
10. INSUFFICIENT WATER: Inefficient use of irrigation water	Is the Planned Land Unit (PLU) irrigated?		<input type="checkbox"/> Farm Irrigation Rating Index (FIRI) WA 2014	Is the Irrigation System efficiency greater than or equal to 85%? OR Less than 10% water savings meets Planning Criteria and is not a resource concern.	
	AND Is there a stream present ?		<input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2)	AND Are SVAP2 hydrologic alteration element and barriers to fish movement element scores greater than or equal to 7?	
11. WATER QUALITY DEGRADATION: Excess nutrients in surface and groundwater	Are organic or inorganic nutrients applied?		<input type="checkbox"/> Revised Universal Soil Loss Equation Version 2 (RUSLE2) <input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2) <input type="checkbox"/> 303d Listing or Maps	Are nutrients applied, based on a soil test, tissue tests or nutrient budget? AND Are conservation practices and management in place to minimize offsite impacts?	
	OR Is the Planned Land Unit (PLU) grazed?		<input type="checkbox"/> Washington Water Quality Technical Note 1		
	OR Is there a water course on or adjacent to the site with State Agency identified nutrient impairment? (Washington Department of Ecology 303d listed for nutrients)		<input type="checkbox"/> Washington Engineering Technical Note 23 NRCS Assessment Procedure for Existing Waste Storage Ponds (WSP)	AND Is SVAP2 nutrient enrichment element score greater than or equal to 7?	

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<p>12. WATER QUALITY DEGRADATION: Pesticides transported to surface and groundwaters</p>	<p>Are pest control chemicals applied?</p> <p>OR</p> <p>Is there a water course on or adjacent to the site with State Agency identified pesticides impairment? (Washington Department of Ecology 303d listed for pesticides)</p>		<p><input type="checkbox"/> Windows Pesticide Screening Tool (WinPST)</p> <p><input type="checkbox"/> 303d Listing or Maps</p> <p><input type="checkbox"/> Washington Water Quality Technical Note 1</p> <p><input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2)</p>	<p>Are pesticides stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching?</p> <p>AND</p> <p>Are conservation practices and management in place to minimize offsite impacts?</p> <p>AND</p> <p>Is SVAP2 water appearance element score greater than or equal to 7?</p>	
<p>13. WATER QUALITY DEGRADATION: Excess pathogens and chemicals from manure, biosolids or compost applications</p>	<p>Is manure, biosolids or compost applied on the land (potential sources of pathogens or pharmaceuticals)</p> <p>OR</p> <p>Is there a water course on or adjacent to the site with State Agency identified fecal coliform impairment? (Washington Department of Ecology 303d listed for fecal coliform)</p>		<p><input type="checkbox"/> 303d Listing or Maps</p> <p><input type="checkbox"/> Washington Water Quality Technical Note 1</p> <p><input type="checkbox"/> Washington Engineering Technical Note 23 NRCS Assessment Procedure for Existing Waste Storage Ponds (WSP)</p> <p><input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2)</p>	<p>Are organic materials applied, stored, and/or handled to mitigate negative impacts to water sources?</p> <p>AND</p> <p>Are SVAP2 water appearance element and manure or human waste element scores greater than or equal to 7?</p>	

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<p>14. WATER QUALITY DEGRADATION: Excessive salts in surface and groundwater</p>	<p>Is salt concentration a limiting factor?</p> <p>OR</p> <p>Is there a water course on or adjacent to the site with State Agency identified pH impairment? (Washington Department of Ecology 303d listed for pH)</p> <p><i>Chemical Properties</i></p>		<p><input type="checkbox"/> 303d Listing or Maps</p> <p><input type="checkbox"/> Washington Water Quality Technical Note 1</p> <p><input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2)</p>	<p>Are salt concentrations managed to mitigate off-site transport to surface or ground waters?</p> <p>AND</p> <p>Is SVAP2 salinity element score greater than or equal to 6?</p>	
<p>15. WATER QUALITY DEGRADATION: Petroleum, heavy metals and other pollutants transported to receiving waters</p>	<p>Do activities present the potential for contamination?</p> <p>OR</p> <p>Is there a water course on or adjacent to the site with State Agency identified heavy metals impairment? (Washington Department of Ecology 303d listed for heavy metals)</p>		<p><input type="checkbox"/> 303d Listing or Maps</p> <p><input type="checkbox"/> Washington Water Quality Technical Note 1</p> <p><input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2)</p>	<p>Are petroleum, heavy metals or other potential pollutants stored and handled to avoid runoff or leaching?</p> <p>AND</p> <p>Is SVAP2 water appearance element score greater than or equal to 7?</p>	
<p>16. WATER QUALITY DEGRADATION: Excessive sediment in surface waters</p> <p>T[^] = Tolerable Soil Loss</p>	<p>Is perennial ground cover less than 90%, and slope greater than 10%.</p> <p>OR</p> <p>Are classic gullies present?</p> <p>OR</p> <p>Are streams or shoreline on or adjacent to the site?</p> <p>OR</p> <p>Is there a water course on or adjacent to the site with State Agency identified sediment impairment? (Washington Department of Ecology 303d listed for sediment)</p>		<p><input type="checkbox"/> 303d Listing or Maps</p> <p><input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2)</p> <p><input type="checkbox"/> Revised Universal Soil Loss Equation Version 2 (RUSLE2)</p> <p><input type="checkbox"/> Wind Erosion Prediction System (WEPS)</p> <p><input type="checkbox"/> Washington Water Quality Technical Note 1</p>	<p>Do upslope treatment and buffer practices address concentrated flows to water bodies?</p> <p>AND</p> <p>Are livestock and vehicle water crossings stable?</p> <p>AND</p> <p>SVAP2 - bank condition element greater than or equal to 7?</p> <p>AND</p> <p>Is water erosion rate less than or equal to T[^]?</p> <p>AND</p> <p>Is wind erosion rate less than or equal to T[^]?</p>	

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17. WATER QUALITY DEGRADATION: Elevated water temperature	Is there a water course on or adjacent to the site with State Agency identified temperature impairment? (Washington Department of Ecology 303d listed for temperature)		<input type="checkbox"/> 303d Listing or Maps <input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2)	Is SVAP2 - riparian area quality element score greater than or equal to 7? AND Is SVAP2 - riparian area quantity element score greater than or equal to 7? AND Is SVAP2 - canopy cover element score greater than or equal to 7? OR Are existing practices in place to address water temperature?	
19. DEGRADED PLANT CONDITION: Inadequate structure and composition	Will changes to the plant community structure or composition better support the desired ecological functions and intended land use? OR Are there invasive, non-native, or noxious plant species present or could they become established if the plant community is disturbed?		<input type="checkbox"/> Visual Inspection <input type="checkbox"/> County Noxious Weed Lists	Do plant communities contain adequate diversity, composition and structure to support desired ecological functions? OR Are invasive, non-native or noxious plant species managed to meet client objectives?	
20. DEGRADED PLANT CONDITION: Excessive plant pest pressure	Is plant productivity limited from pest pressure?		<input type="checkbox"/> PCS-Pasture Condition Score <input type="checkbox"/> Forest Inventory Plots and Transects <input type="checkbox"/> RHA - Rangeland Health Assessment <input type="checkbox"/> County Noxious Weed Lists <input type="checkbox"/> Windows Pesticide Screening Tool (WinPST) <input type="checkbox"/> Visual Inspection	Is pest damage to plants below economic or environmental thresholds or client-identified criteria? AND Are plant pests, including noxious and invasive species managed to meet client objectives?	

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PLANT RESOURCES					
21. DEGRADED PLANT CONDITION: Wildfire hazard, excessive biomass accumulation	Is wildfire hazard a concern?		<input type="checkbox"/> RHA-Rangeland Health Assessment <input type="checkbox"/> Forest inventory plots	Are fuel loads and fuel ladders managed to provide defensible space and meet client objectives?	
23. LIVESTOCK PRODUCTION LIMITATION: Inadequate feed and forage	(Grazing Modifier) Is the Planning Land Unit (PLU) grazed? <i>Range Productivity, Range Vegetation Classification, Plant Composition</i>		<input type="checkbox"/> Pasture & Range Inventory & Assessments	Are livestock forage, roughage and supplemental nutritional requirements addressed?	
24. LIVESTOCK PRODUCTION LIMITATION: Inadequate livestock shelter	(Grazing Modifier) Is the Planning Land Unit (PLU) grazed?		<input type="checkbox"/> Visual Inspection	Do artificial or natural shelters meet animal health needs and client objectives?	
25. LIVESTOCK PRODUCTION LIMITATION: Inadequate livestock water	(Grazing Modifier) Is the Planning Land Unit (PLU) grazed?		<input type="checkbox"/> Washington Engineering Technical Note 19: Water Requirements-Beef Cattle <input type="checkbox"/> Washington Water Quality Technical Note 1	Is water of acceptable quality and quantity adequately distributed to meet animal needs?	
	AND Is there a stream present ?		<input type="checkbox"/> Stream Visual Assessment Protocol Version 2 (SVAP 2)	Are SVAP2 water appearance element and manure or human waste element scores greater than or equal to 8?	

Notes: