

## Checklist of Resource Concerns

### RANGE

<b>CLIENT</b>		<b>LOCATION</b>	
<b>PLANNER</b>		<b>DATE</b>	
<b>LAND UNITS</b>		<b>TOOLS</b>	

This check sheet is designed to assist planners and clients in identifying resource concerns during the planning process. The planning criteria outlined in Section III of the FOTG sets the minimum level of treatment. 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.

Resource Concern  * required response	Screening Questions  NO = Met Screening (Not a RC)  YES = Go to Assessment	Y E S	N O	Assessment Tools	Assessment Level Required to Meet Planning Criteria  Yes = Meets Planning Criteria No = Resource Concern	Y E S	N O
<b>SOIL RESOURCES</b>							
<b>1.SOIL EROSION: Sheet, rill and wind *</b>	Is State established criteria met?			<ul style="list-style-type: none"> <li>➤ RHA-Rangeland Health Assessment</li> </ul>	Is RHA - soil site stability slight to moderate or less? <b>OR</b> Is Rangeland Planned Trend positive?		
<b>2.SOIL EROSION: Concentrated flow erosion *</b>	Are classic gullies present?			<ul style="list-style-type: none"> <li>➤ Field measurements</li> <li>➤ Planner observations</li> </ul>	Is classic gully management adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures?		
<b>3.SOIL EROSION: Excessive bank erosion from streams, shorelines or water conveyance channels*</b>	Are streams or shoreline on or adjacent to site?			<ul style="list-style-type: none"> <li>➤ SVAP2</li> </ul>	For shorelines and water conveyance channels; are banks stable or commensurate with normal geomorphological processes? <b>AND</b> For streambanks; is SVAP2 bank condition element score ≥5?		
	<b>OR</b> Is bank erosion from streams, shorelines or conveyance channels present?				<b>OR</b> If present, is bank erosion caused by upstream land use and beyond the client's control?		
<b>5. SOIL QUALITY DEGRADATION: Compaction</b>	Is soil compaction a problem? <b>AND</b> Do activities cause soil compaction problems?			<ul style="list-style-type: none"> <li>➤ RHA-Rangeland Health Assessment</li> <li>➤ Observation of soil and plant condition</li> </ul>	Is RHA - soil site stability slight to moderate or less? <b>OR</b> Is compaction managed to meet Client's production and management objectives.		
<b>6. SOIL QUALITY DEGRADATION: Organic matter depletion</b>	Is soil organic matter depletion a problem? <b>AND</b> Do activities cause soil organic matter depletion?			<ul style="list-style-type: none"> <li>➤ RHA-Rangeland Health Assessment</li> </ul>	Is RHA - soil site stability slight to moderate or less? <b>AND</b> Is RHA – biotic integrity attribute rating slight to moderate departure or less?		
					<b>OR</b> Is Rangeland Planned Trend positive?		
<b>7. SOIL QUALITY DEGRADATION: Concentration of Salts or other chemicals</b>	Do activities cause salinity/sodicity problems?			<ul style="list-style-type: none"> <li>➤ Soil diagnostic evaluations</li> </ul>	Are conservation practices and managements in place to mitigate on-site effects?		

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<b>WATER RESOURCES</b>							
<b>8. EXCESS WATER: Ponding, flooding, seasonal high water table, seeps and drifted snow</b>	26 - Is excess water a problem? <b>AND</b> 2- Do activities cause ponding/flooding problems?			<ul style="list-style-type: none"> <li>➤ Client Input</li> <li>➤ Planner Observations</li> </ul>	Is excess water managed to meet Client's objectives?		
<b>9. INSUFFICIENT WATER: Inefficient moisture management</b>				<ul style="list-style-type: none"> <li>➤ RHA-Rangeland Health Assessment</li> </ul>	Is RHA - hydrologic function attributes slight to moderate or less?		
<b>10. INSUFFICIENT WATER: Inefficient use of irrigation water *</b>	Is the PLU irrigated?			<ul style="list-style-type: none"> <li>➤ IWI-Irrigated Water Index</li> </ul>	Is IWI ≥85%?		
					<b>OR</b> Is State established criteria met?		
<b>11. WATER QUALITY DEGRADATION: Excess nutrients in surface and groundwater *</b>	Are organic or inorganic nutrients applied? <b>AND</b> Is the PLU grazed? <b>AND</b> Are there confined livestock areas?			<ul style="list-style-type: none"> <li>➤ Nutrient budget</li> </ul>	If nutrients are applied, are they based on a soil test, tissue tests or nutrient budget? <b>AND</b> Are conservation practices and managements in place to minimize offsite impacts?		
<b>12. WATER QUALITY DEGRADATION: Pesticides transported to surface and groundwaters</b>	Are pest control chemicals applied?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> <li>➤ WinPST</li> </ul>	Are pesticides stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching? <b>AND</b> Are conservation practices and managements in place to minimize offsite impacts?		
<b>13. WATER QUALITY DEGRADATION: Excess pathogens and chemicals from manure, biosolids or compost applications*</b>	Are potential sources of pathogens or pharmaceuticals applied on the land?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Are organic materials applied, stored, and/or handled to mitigate negative impacts to water sources?		
<b>14. WATER QUALITY DEGRADATION: Excessive salts in surface and groundwater</b>	Is salt concentration a limiting factor?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Are salt concentrations managed to mitigate off-site transport to surface or ground waters?		

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<b>15. WATER QUALITY DEGRADATION: Petroleum and heavy metals and other pollutants transported to receiving waters</b>	Do activities present the potential for contamination?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Are petroleum, heavy metals or other potential pollutants stored and handled to avoid runoff or leaching?		
<b>16. WATER QUALITY DEGRADATION: Excessive sediment in surface waters*</b>	Are there untreated sources of erosion? <b>AND</b> Are streams or shoreline on or adjacent to site?			<ul style="list-style-type: none"> <li>➤ RHA-Rangeland Health Assessment</li> <li>➤ SVAP2</li> </ul>	Is RHA - hydrologic function attribute slight to moderate or less? <b>AND</b> Is SVAP2 - bank condition $\geq 5$ ?		
<b>17. WATER QUALITY: Elevated water temperature</b>	Is there a water course on or adjacent to the site with State Agency identified temperature impairment?			<ul style="list-style-type: none"> <li>➤ SVAP2</li> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Is SVAP2 - riparian area quality element score $\geq 5$ ? <b>AND</b> Is SVAP2 - riparian area quantity quality element score $\geq 5$ ? <b>AND</b> Is SVAP2 - canopy cover element score $\geq 6$ ?		
	<b>OR</b> Is water course temperature a client concern?				<b>OR</b> Are existing practices in place to address water temperature?		
<b>PLANT RESOURCES</b>							
<b>18. DEGRADED PLANT CONDITION: Undesirable plant productivity and health *</b>				<ul style="list-style-type: none"> <li>➤ RHA-Rangeland Health Assessment</li> <li>➤ Rangeland Trend Worksheet</li> <li>➤ Similarity Index</li> </ul>	Does vegetation meet similarity index of 60 or greater for desired plant community and have a positive trend? <b>OR</b> Is RHA – biotic integrity attribute rating slight to moderate departure or less?		
<b>19. DEGRADED PLANT CONDITION: Inadequate structure and composition*</b>	Will changes to the plant community structure or composition better support the desired ecological functions and intended land use?			<ul style="list-style-type: none"> <li>➤ Ecological Site Descriptions</li> <li>➤ RHA</li> <li>➤ Rangeland Trend Worksheet</li> </ul>	Do plant communities contain adequate diversity, composition and structure to support desired ecological functions?		
					<b>OR</b> Is RHA – biotic integrity attribute rating slight to moderate departure or less? <b>OR</b> Does vegetation meet similarity index of 60 or greater for desired plant community and have a positive trend?		
<b>20. DEGRADED PLANT CONDITION: Excessive plant pest pressure*</b>	Is plant productivity limited from pest pressure?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Is pest damage to plants below economic or environmental thresholds or client-identified criteria? <b>AND</b> Are plant pests, including noxious and invasive species managed to meet client objectives?		

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<b>21. DEGRADED PLANT CONDITION: Wildfire hazard, excessive biomass accumulation</b>	Is wildfire hazard a concern?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Are fuel loads and fuel ladders managed to provide defensible space and meet client objectives?		
<b>LIVESTOCK RESOURCES</b>							
<b>23. LIVESTOCK PRODUCTION LIMITATION: Inadequate feed and forage *</b>	Is PLU actively grazed? (Grazing Modifier)			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Are livestock forage, roughage and supplemental nutritional requirements addressed?		
<b>24. LIVESTOCK PRODUCTION LIMITATION: Inadequate livestock shelter *</b>	Is PLU actively grazed? (Grazing Modifier)			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Do artificial or natural shelters meet animal health needs and client objectives?		
<b>25. LIVESTOCK PRODUCTION LIMITATION: Inadequate livestock water *</b>	Is PLU actively grazed? (Grazing Modifier)			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Is water of acceptable quality and quantity adequately distributed to meet animal needs?		

NOTES: