

Checklist of Resource Concerns

RANGE

CLIENT		LOCATION	
PLANNER		DATE	
LAND UNITS		TOOLS	

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 (location of tool)	Assessment Level Required to Meet Planning Criteria Yes = Meets Planning Criteria No = Resource Concern	Y E S	N O
SOIL RESOURCES							
1.SOIL EROSION: Sheet, rill and wind *				<ul style="list-style-type: none"> ➤ RHA-Rangeland Health Assessment (WY-ECS-37) ➤ Rangeland Trend Worksheet (WY-ECS-23) 	Is RHA - soil site stability slight to moderate or less? OR Is Rangeland Planned Trend positive?		
2.SOIL EROSION: Concentrated flow erosion *	Are classic gullies present?			<ul style="list-style-type: none"> ➤ Field measurements ➤ Planner observations 	Is classic gully management adequate to stop the progression of head cutting and widening and are offsite impacts minimized by vegetation and/or structures?		
3.SOIL EROSION: Excessive bank erosion from streams, shorelines or water conveyance channels*	Are streams or shoreline on or adjacent to site?			<ul style="list-style-type: none"> ➤ SVAP2 (National Biology Handbook, Part 614) 	For shorelines and water conveyance channels, are banks stable or commensurate with normal geomorphological processes? AND If bank erosion is present, is it beyond the client's control or commensurate with normal geomorphological processes? AND For streambanks, is SVAP2 bank condition element score ≥5?		
	OR Is bank erosion from streams, shorelines or conveyance channels present?						
5. SOIL QUALITY DEGRADATION: Compaction	Is soil compaction a problem? AND Do activities cause soil compaction problems?			<ul style="list-style-type: none"> ➤ RHA-Rangeland Health Assessment (WY-ECS-37) ➤ Observation of soil and plant condition 	Is RHA - soil site stability slight to moderate or less? OR Is compaction managed to meet Client's production and management objectives.		
6. SOIL QUALITY DEGRADATION: Organic matter depletion	Is soil organic matter depletion a problem? AND Do activities cause soil organic matter depletion?			<ul style="list-style-type: none"> ➤ RHA-Rangeland Health Assessment (WY-ECS-37) ➤ Rangeland Trend Worksheet (WY-ECS-23) 	Is RHA - soil site stability slight to moderate or less? AND Is RHA – biotic integrity attribute rating slight to moderate departure or less?		
					OR Is Rangeland Planned Trend positive?		
7. SOIL QUALITY DEGRADATION: Concentration of Salts or other chemicals	Do activities cause salinity/sodicity problems?			Soil diagnostic evaluations (EC Meter, Area Resource Soil Scientist; Sodium Absorption Ratio Test, Soil Lab)	Are conservation practices and managements in place to mitigate on-site effects?		

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WATER RESOURCES							
8. EXCESS WATER: Ponding, flooding, seasonal high water table, seeps and drifted snow	26 - Is excess water a problem? AND 2- Do activities cause ponding/flooding problems?			<ul style="list-style-type: none"> ➤ Client Input ➤ Planner Observations 	Is excess water managed to meet Client's objectives?		
9. INSUFFICIENT WATER: Inefficient moisture management				<ul style="list-style-type: none"> ➤ RHA-Rangeland Health Assessment (WY-ECS-37) 	Is RHA - hydrologic function attributes slight to moderate or less?		
11. WATER QUALITY DEGRADATION: Excess nutrients in surface and groundwater *	Are Organic nutrients applied? AND Is the PLU grazed? AND Are there confined livestock areas?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	If nutrients are applied, are they based on a soil test, tissue tests or nutrient budget? AND Are conservation practices and managements in place to minimize surface water and groundwater impacts?		
12. WATER QUALITY DEGRADATION: Pesticides transported to surface and groundwaters	Are pest control chemicals applied?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ WinPST (user machine) 	Are pesticides stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching? AND Are conservation practices and managements in place to minimize surface water and groundwater impacts?		
13. WATER QUALITY DEGRADATION: Excess pathogens and chemicals from manure, biosolids or compost applications*	Are potential sources of pathogens or pharmaceuticals applied on the land?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	Are organic materials applied, stored, and/or handled to mitigate negative impacts to surface water and groundwater sources?		
14. WATER QUALITY DEGRADATION: Excessive salts in surface and groundwater	Is salt concentration a limiting factor?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	Are salt concentrations managed to mitigate off-site transport to surface water or groundwater?		

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15. WATER QUALITY DEGRADATION: Petroleum and heavy metals and other pollutants transported to receiving waters	Do activities present the potential for contamination?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	Are petroleum, heavy metals or other potential pollutants stored and handled to avoid runoff or leaching?		
16. WATER QUALITY DEGRADATION: Excessive sediment in surface waters*	Are there untreated sources of erosion? AND Are streams or shoreline on or adjacent to site?			<ul style="list-style-type: none"> ➤ RHA-Rangeland Health Assessment (WY-ECS-37) ➤ SVAP2 (National Biology Handbook, Part 614) 	Is RHA - hydrologic function attribute slight to moderate or less? AND Is SVAP2 - bank condition ≥ 5?		
17. WATER QUALITY: Elevated water temperature	Is there a water course on or adjacent to the site with State Agency identified temperature impairment?			<ul style="list-style-type: none"> ➤ SVAP2 (National Biology Handbook, Part 614) ➤ Client input ➤ Planner observation 	Is SVAP2 - riparian area quality element score ≥ 5? AND Is SVAP2 - riparian area quantity quality element score ≥ 5? AND Is SVAP2 - canopy cover element score ≥ 6?		
	OR Is water course temperature a client concern?				OR Are existing practices in place to address water temperature?		
PLANT RESOURCES							
18. DEGRADED PLANT CONDITION: Undesirable plant productivity and health *				<ul style="list-style-type: none"> ➤ RHA-Rangeland Health Assessment (WY-ECS-37) ➤ Rangeland Trend Worksheet (WY-ECS-23) ➤ Similarity Index Worksheet (WY-ECS-1 & 1b) 	Does vegetation meet similarity index or range condition score of 60 or greater for desired plant community and has a positive trend? OR Is RHA – biotic integrity attribute rating slight to moderate departure or less?		
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?			<ul style="list-style-type: none"> ➤ ESD-Ecological Site Descriptions (eFOTG/ Section II/ESD/ESD) ➤ RHA-Rangeland Health Assessment (WY-ECS-37) ➤ Rangeland Trend Worksheet (WY-ECS-23) 	Do plant communities contain adequate diversity, composition and structure to support desired ecological functions? OR Is RHA – biotic integrity attribute rating slight to moderate departure or less? OR Does vegetation meet similarity index of 60 or greater for desired plant community and have a positive trend?		
20. DEGRADED PLANT CONDITION: Excessive plant pest pressure*	Is plant productivity limited from pest pressure?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	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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21. DEGRADED PLANT CONDITION: Wildfire hazard, excessive biomass accumulation	Is wildfire hazard a concern?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	Are fuel loads and fuel ladders managed to provide defensible space and meet client objectives?		
LIVESTOCK RESOURCES							
23. LIVESTOCK PRODUCTION LIMITATION: Inadequate feed and forage *				<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ Feed and Forage Balance (WY-ECS-2, WY Grazing Tool) 	Are livestock forage, roughage and supplemental nutritional requirements addressed?		
24. LIVESTOCK PRODUCTION LIMITATION: Inadequate livestock shelter*				<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	Do artificial or natural shelters meet animal health needs and client objectives?		
25. LIVESTOCK PRODUCTION LIMITATION: Inadequate livestock water *				<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	Is water of acceptable quality and quantity adequately distributed to meet animal needs?		

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