

Checklist of Resource Concerns

PASTURE

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			Assessment Tools (location of tool)	Assessment Level Required to Meet Planning Criteria YES = Meets Planning Criteria NO = Resource Concern		
		Y E S	N O			Y E S	N O
SOIL RESOURCES							
1. SOIL EROSION: Sheet, rill and wind *	Are permanent ground cover < 90% and slope > 10%?			<ul style="list-style-type: none"> ➤ PCS - Pasture Condition Score (WY-ECS-55) 	Is PCS - plant cover element score ≥ 4? AND Is PCS - plant residue element score ≥ 4?		
2. SOIL EROSION: Concentrated flow erosion *	Are classic gullies present?			<ul style="list-style-type: none"> ➤ Field measurements ➤ 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? OR Is bank erosion from streams, shorelines or conveyance channels present?			<ul style="list-style-type: none"> ➤ SVAP2 (National Biology Handbook, Part 614) ➤ PCS-Pasture Condition Score (WY-ECS-55) 	Is PCS - streambank / shoreline erosion element score ≥ 4? AND 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?		
4. SOIL QUALITY DEGRADATION: Subsidence	Are Histisol soils present? OR Are there Histisols present exhibiting subsidence?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observations 	Is subsidence adequately managed to meet client's objectives?		
5. SOIL QUALITY DEGRADATION: Compaction	Is soil compaction a problem? AND Do activities cause soil compaction problems?			<ul style="list-style-type: none"> ➤ PCS-Pasture Condition Score (WY-ECS-55) 	Is PCS – compaction element score ≥ 4?		
6. SOIL QUALITY DEGRADATION: Organic matter depletion	Is permanent ground cover < 80%?			<ul style="list-style-type: none"> ➤ RUSLE2 (user machine) ➤ PCS-Pasture Condition Score (WY-ECS-55) 	Is SCI>0? OR Is PCS - plant cover element score ≥ 4? AND Is PCS - plant residue element score ≥ 4?		
7. SOIL QUALITY DEGRADATION: Concentration of Salts or other chemicals	Do activities cause salinity/sodicity problems?			<ul style="list-style-type: none"> ➤ 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	Is excess water a problem? AND 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	Is Moisture Management a problem? AND Do activities cause inefficient moisture management?			<ul style="list-style-type: none"> ➤ PCS-Pasture Condition Score (WY-ECS-55) 	Is PCS - compaction element score ≥ 4? AND Is PCS - plant cover element score ≥ 4?		
10. INSUFFICIENT WATER: Inefficient use of irrigation water *	Is the PLU irrigated?			<ul style="list-style-type: none"> ➤ FIRI-Farm Irrigation Rating System (eFOTG/Section I/ Tools & Forms/Tools) 	Is the minimum FIRI index value: ≥ 30 for uncontrolled flood? ≥ 40 for contour ditch? ≥ 50 for furrow or corrugation irrigation? ≥ 55 for border irrigation? ≥ 50 for big gun sprinkler? ≥ 55 for periodic move sprinkler? ≥ 65 for center pivot sprinkler? ≥ 65 for lateral move sprinkler? ≥ 75 for micro irrigation?		
11. WATER QUALITY DEGRADATION: Excess nutrients in surface and groundwater *				<ul style="list-style-type: none"> ➤ PCS-Pasture Condition Score (WY-ECS-55) ➤ Nutrient budget (WY-ECS-44) 	Is PCS - streambank / shoreline erosion element score ≥ 4? AND Is PCS - livestock concentration areas element score ≥ 4? AND If nutrients are applied, are they based on a soil test, tissue tests or nutrient budget?		
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?		

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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?		
15. WATER QUALITY DEGRADATION: Petroleum, 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 permanent ground cover < 90% and slope > 10%? AND Are classic gullies present? AND Are streams or shoreline on or adjacent to site?			<ul style="list-style-type: none"> ➤ RUSLE2 (user machine) ➤ WEPS (user machine) ➤ Client input ➤ Planner observation ➤ SVAP2 (National Biology Handbook, Part 614) 	Do upslope treatment and buffer practices address concentrated flows to water bodies? AND SVAP2 - bank condition ≥ 5. AND Are livestock and vehicle water crossings stable? AND Is Water erosion rate ≤T? AND Is Wind erosion rate ≤T?		
17. WATER QUALITY DEGRADATION: 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"> ➤ PCS-Pasture Condition Score (WY-ECS-55) 	PCS - 30 or above Are plants adapted to the site, meet production goals and do not negatively impact other resources?		
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"> ➤ FSG-Forage Suitability Group (eFOTG/Section II/ FSG/Soil Map Unit Groupings/2.Narrative Descriptions) 	Do plant communities contain adequate diversity, composition and structure to support desired suitability group?		

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		E	O			E	O
20. DEGRADED PLANT CONDITION: Excessive plant pest pressure*	Is plant productivity limited from pest pressure?			➤ PCS-Pasture Condition Score (WY-ECS-55)	Is PCS - insect and disease pressure element score \geq 4? AND Is PCS - site adaptation element score \geq 4?		
21. DEGRADED PLANT CONDITION: Wildfire hazard, excessive biomass accumulation	Is wildfire hazard a concern?			➤ Client input ➤ Planner observation	Are fuel loads and fuel ladders managed to provide defensible space and meet client objectives?		
ANIMAL RESOURCES							
23. LIVESTOCK PRODUCTION LIMITATION: Inadequate feed and forage*				➤ 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*				➤ Client input ➤ Planner observation	Do artificial or natural shelters meet animal health needs and client objectives?		
25. LIVESTOCK PRODUCTION LIMITATION: Inadequate livestock water*				➤ Client input ➤ Planner observation	Is water of acceptable quality and quantity adequately distributed to meet animal needs?		

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