

**Checklist of Resource Concerns
RANGELAND**

CLIENT		LAND UNITS/LOCATION	
PLANNER			
DATE			

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 FOTG sets the *minimum treatment level* needed to sustain the resource and will be used when developing alternative solutions

Resource Concern (Grayed box means required evaluation)	Screening Criteria (SC) (If SC are met, is not a resource concern and no further evaluation is needed)	Meets SC?		Assessment Tools (Tools that are bolded are required assessments)	Planning Criteria (PC) If PC are met, is not a resource concern. If not, then it is a resource concern that must be addressed through planning	Meets PC?	
		V U W O A	F A L S E			T R U E	F A L S E

SOIL RESOURCES

REQUIRED SOIL EROSION: Sheet, Rill and Wind Erosion		<input type="checkbox"/>	<input type="checkbox"/>	Rangeland Health Assessment (RHA) Rangeland Trend Worksheet	RHA soil site stability is slight to moderate or less AND Rangeland trend is positive	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						
REQUIRED SOIL EROSION: Concentrated Flow Erosion		<input type="checkbox"/>	<input type="checkbox"/>	Rangeland Health Assessment (RHA) Rangeland Trend Worksheet	RHA soil site stability is slight to moderate or less AND Rangeland trend is positive	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						
REQUIRED SOIL EROSION: Excessive Bank Erosion from Streams, Shorelines or Water Conveyance Channels	No streams or shoreline are on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>	SVAP2 (Run full SVAP for all intermittent and perennial streams and any conveyances that are Waters of US. For shorelines and other conveyances, use SVAP bank condition element only. Concrete lined conveyances exempt.)	<u>For shorelines and water conveyance channels –</u> Banks are stable or commensurate with normal geomorphological processes AND <u>For streambanks –</u> SVAP2 bank condition element score ≥5	<input type="checkbox"/>	<input type="checkbox"/>
	OR: No bank erosion from streams, shorelines or conveyance channels present	<input type="checkbox"/>	<input type="checkbox"/>		Field observations/client input	OR: If present, bank erosion is caused by upstream land use and beyond the client's control	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						

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		TRUE	FALSE			TRUE	FALSE
SOIL QUALITY DEGRADATION: Subsidence DOES NOT APPLY TO RANGELAND							
SOIL QUALITY DEGRADATION: Compaction	Soil compaction is not apparent AND Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	Rangeland Health Assessment (RHA)	RHA soil site stability is slight to moderate or less	<input type="checkbox"/>	<input type="checkbox"/>
				Observation of soil and/or plant condition	OR: Compaction is managed to meet client's production and management objectives AND Conservation practices and management are in place to address compaction	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
REQUIRED SOIL QUALITY DEGRADATION: Organic Matter Depletion		<input type="checkbox"/>	<input type="checkbox"/>	Rangeland Health Assessment (RHA)	RHA soil site stability is slight to moderate or less AND RHA biotic integrity attribute is slight to moderate departure or less	<input type="checkbox"/>	<input type="checkbox"/>
				Rangeland Trend Worksheet	OR: Rangeland planned trend is positive	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
SOIL QUALITY DEGRADATION: Concentration of Salts or Other Chemicals	Activities do not cause salinity/sodicity problems AND No visible signs of soil contamination such as white or brown-black crusting on soils, visible crop stress, poor growth.	<input type="checkbox"/>	<input type="checkbox"/>	Soil diagnostic evaluations	Conservation practices and management are in place to mitigate on-site effects	<input type="checkbox"/>	<input type="checkbox"/>
				Soil survey, visual observations			
OBSERVATIONS/COMMENTS:							

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WATER RESOURCES							
EXCESS WATER: Ponding, Flooding, Seasonal High Water Table, Seeps, and Drifted Snow	Excess water is not a problem	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner Observation	Excess water is managed to meet Client's objectives AND Conservation practices are designed to meet wetland policy.	<input type="checkbox"/>	<input type="checkbox"/>
	OR: Activities do not cause ponding/flooding problems	<input type="checkbox"/>	<input type="checkbox"/>	Wetland determination			
OBSERVATIONS/COMMENTS:							
REQUIRED INSUFFICIENT WATER: Inefficient Moisture Management		<input type="checkbox"/>	<input type="checkbox"/>	Rangeland Health Assessment (RHA)	RHA hydrologic function attributes slight to moderate or less	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
INSUFFICIENT WATER: Inefficient Use of Irrigation Water	DOES NOT APPLY TO RANGELAND						

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		TRUE	FALSE			TRUE	FALSE
WATER QUALITY: Excess Nutrients in Surface and Groundwater Evaluation is required if water bodies on/adjacent to site are designated by IDEQ as impaired by nutrients	Organic and inorganic nutrients are not applied AND PLU is not grazed AND There are no confined livestock areas	<input type="checkbox"/>	<input type="checkbox"/>	Client input/planner observation Nutrient budget	Nutrients if applied are based on a soil test, tissue tests or nutrient budget with consideration for nutrients from direct deposition AND Conservation practices and management are in place to minimize off-site impacts	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
REQUIRED WATER QUALITY: Pesticides Transported to Surface and Groundwater	Pest control chemicals are not applied AND Pest control chemicals are not stored, mixed or handled on-site.	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner observation WinPST	Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND Conservation practices and management are in place to minimize offsite impacts for pesticides with an Intermediate or greater hazard rating in WinPST	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							

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WATER QUALITY: Excess Pathogens and Chemicals from Manure, Biosolids or Compost Applications Evaluation is required if water bodies on/adjacent to site are designated by IDEQ as a impaired by pathogens	Potential sources of pathogens or pharmaceuticals are not applied/deposited on the land or stored on site. Sources include: Manure Biosolids Compost Wastewater Rinsewater Cull piles Silage leachate Dead carcasses	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner Observation AFO/CAFO site assessment	Organic materials are applied, stored, and/or handled to mitigate negative impacts to water sources	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						
WATER QUALITY: Excessive Salts in Surface and Groundwater	Salt concentration is not a limiting factor to beneficial use	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner Observation	Salt concentrations are managed to mitigate off-site transport to surface or ground waters	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						
					OR: Conservation practices and management are in place to mitigate off-site transport to surface or ground water.	<input type="checkbox"/>	<input type="checkbox"/>

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		TRUE	FALSE			TRUE	FALSE
WATER QUALITY: Petroleum and Heavy Metals and Other Pollutants Transported to Receiving Waters Evaluation is required if water bodies on/adjacent to site are designated by IDEQ as impaired by oil/grease	Activities do not present the potential for contamination AND No petroleum products stored, handled, transferred on-site or near wellheads AND No pumps using petroleum products adjacent to surface waters	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner observation	Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff or leaching AND Conservation practices and management are in place to mitigate off-site transport to surface or ground water.	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
REQUIRED WATER QUALITY: Excessive Sediment in Surface Waters	Streams or shoreline are not on or adjacent to site AND There are no untreated sources of erosion	<input type="checkbox"/>	<input type="checkbox"/>	Rangeland Health Assessment (RHA) SVAP2 AFO/CAFO Site Assessment	RHA hydrologic function attributes slight to moderate or less AND RHA soil site stability attribute slight to moderate or less AND SVAP2 - bank condition ≥ 5 AND SVAP2 - riparian area quality element score ≥ 5 AND SVAP2 - riparian area quantity element score ≥ 5 AND Livestock and vehicle water crossings are stable	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							

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		TRUE	FALSE			TRUE	FALSE
WATER QUALITY: Elevated Water Temperatures Evaluation is required if water bodies on/adjacent to site are designated by IDEQ as impaired by temperature	Water course temperature impacts are beyond the client's control AND Client is not contributing to temperature problem.	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner observation SVAP2	SVAP2 - riparian area quality element score \geq 5 AND SVAP2 - riparian area quantity element score \geq 5 AND SVAP2 - canopy cover element score \geq 6	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		OR: Existing conservation practices are in place to address water temperature	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
PLANT RESOURCES							
REQUIRED DEGRADED PLANT CONDITION: Undesirable Plant Productivity and Health	No screening criteria. Evaluation is required. Use the Assessment Tools and Planning Criteria in the top row, unless the producer has a specific objective for pollinators/beneficials. In this case, use Tech Note 19 and the Planning Criteria in the second row.			Rangeland Health Assessment (RHA)	RHA biotic integrity attributes slight to moderate departure or less AND Vegetation meets a similarity index of 60 or greater for desired plant community and has a positive trend AND Plants are adapted to the site, meet production goals and do not negatively impact other resources	<input type="checkbox"/>	<input type="checkbox"/>
				Rangeland Trend Worksheet	ESD	OR: Plant productivity is managed for pollinators and/or beneficial insects as a client objective AND Tech Note 19 \geq 5 when pollinators/beneficials is secondary objective; \geq 7.5 when primary objective	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							

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REQUIRED DEGRADED PLANT CONDITION: Inadequate Structure and Composition				Rangeland Health Assessment (RHA) Rangeland Trend Worksheet Similarity Index Worksheet Tech Note 19 Range Sheet ESD Tech Note 32 Species Habitat Evaluation (SHE) for Greater Sage-grouse and Columbia Sharp-tailed Grouse	Plant communities contain adequate diversity, composition, and structure to support desired ecological functions AND RHA biotic integrity attributes slight to moderate departure or less AND RHA hydrologic function attributes slight to moderate or less AND RHA soil site stability attribute slight to moderate or less AND Vegetation meets a similarity index of 60 or greater for desired plant community and has a positive trend AND Tech Note 19 Range Sheet or Tech Note 32 SHE \geq 5	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
REQUIRED DEGRADED PLANT CONDITION: Excessive Plant Pest Pressure	Plant productivity is not limited from pest pressure	<input type="checkbox"/>	<input type="checkbox"/>	Rangeland Health Assessment (RHA)	Pest damage to plants are below economic environmental thresholds or client-identified criteria AND Plant pests, including noxious and invasive species are managed to meet client objectives and State Law AND RHA biotic integrity attribute slight to moderate departure or less	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
DEGRADED PLANT CONDITION: Wildfire Hazard, Excessive Biomass Accumulation	Wildfire hazard is not a concern	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner Observation ESD	Fuel loads and fuel ladders are managed to provide defensible space, to reduce the risk of catastrophic fire, and meet client objectives	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							

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ANIMAL RESOURCES							
At least ONE assessment tool below must be used if the client has a wildlife objective							
REQUIRED INADEQUATE HABITAT FOR FISH AND WILDLIFE: Habitat Degradation	The client does not have a wildlife objective.	<input type="checkbox"/>	<input type="checkbox"/>	SVAP2	Tech Note 19 ≥ 5 when wildlife is secondary objective; ≥ 7.5 when primary objective AND (when surface stream present) SVAP2 – barriers to movement element score ≥ 7	<input type="checkbox"/>	<input type="checkbox"/>
				Tech Note 19	AND SVAP2 – fish habitat complexity element score ≥ 7		
				Tech Note 32 Species Habitat Evaluation (SHE) for Greater Sage-grouse and Columbia Sharp-tailed Grouse	OR: Tech Note 32 SHEs ≥ 5 when wildlife is secondary objective; ≥ 7.5 when primary objective; or HSI models completed by NRCS or partner biologist ≥ 0.5 when wildlife is secondary objective; ≥ 0.75 when primary objective	<input type="checkbox"/>	<input type="checkbox"/>
			Habitat Suitability Index (HSI)				
			Biologist Narrative assessment	OR: Food, water, space and cover is of available quality and extent to support habitat requirements for the species of interest AND The connectivity of habitat components is adequate to support stable populations of targeted species as determined by NRCS or partner biologist and documented in a trip report	<input type="checkbox"/>	<input type="checkbox"/>	
OBSERVATIONS/COMMENTS:							
REQUIRED LIVESTOCK PRODUCTION LIMITATION: Inadequate Feed and Forage	Land Unit is not grazed.	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner observation		<input type="checkbox"/>	<input type="checkbox"/>
				GRAS - Grassland Resource Analysis System (not currently functional) In the Interim – Feed/forage balance worksheet CPA009 (range)	Livestock forage, roughage and supplemental nutritional requirements are addressed		
OBSERVATIONS/COMMENTS:							

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		TRUE	FALSE			TRUE	FALSE
LIVESTOCK PRODUCTION LIMITATION: Inadequate Livestock Shelter	Land Unit is not grazed.	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner observation	Artificial or natural shelters meets animal health needs and client objectives	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						
REQUIRED LIVESTOCK PRODUCTION LIMITATION: Inadequate Livestock Water	Land Unit is not grazed.	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner observation GRAS - Grassland Resource Analysis System - Tool for water distribution (not currently functional) In the Interim – follow guidance in Range Tech Note 3, NRPH	Water of acceptable quality and quantity is adequately distributed to meet animal needs	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						
INEFFICIENT ENERGY USE: Equipment and Facilities	Client is not interested in improving equipment and facilities energy efficiency	<input type="checkbox"/>	<input type="checkbox"/>	USDA approved Type 2 On-Farm Energy Audit minimum criteria established in ANSI/ASABE S612 7/2009 (e.g. CAP 122)	A USDA approved energy audit has been implemented that addresses equipment and facilities to meet client objectives	<input type="checkbox"/>	<input type="checkbox"/>
				Client input / planner observation NRCS Energy Estimator Conservation on the Farm Checklist	OR: On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							

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		TRUE	FALSE			TRUE	FALSE
INEFFICIENT ENERGY USE: Farming and Ranching Practices and Field Operations	Client is not interested in improving energy use in farm and ranch field operations	<input type="checkbox"/>	<input type="checkbox"/>	USDA approved Type 2 On-Farm Energy Audit minimum criteria established in ANSI/ASABE S612 7/2009 (e.g. CAP 124)	A USDA approved energy audit has been implemented that addresses field operations to meet client objectives	<input type="checkbox"/>	<input type="checkbox"/>
				Client input / planner observation NRCS Energy Estimator Conservation on the Farm Checklist RUSLE2/WEPS	OR: On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives		
OBSERVATIONS/COMMENTS:							
REQUIRED AIR QUALITY IMPACTS: Emissions of Particulate Matter (PM) and PM Precursors	Not in a PM non-attainment area AND No wind HEL soils present AND Activities are not present that contribute to agricultural source PM or PM precursor emissions AND Episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred <u>PM Producing Activities:</u> • Prescribed Burn is conducted • Forest fuel loads are elevated • Travel ways are unpaved or untreated with binding agents • Engines (combustion source) • Tillage • Pesticides are applied • Fertilization (manure /commercial) • CAFO/manure management)	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner Observation AQAC On-Farm Checklist WEPS IDEQ AQ website: http://www.deq.idaho.gov/air-quality/monitoring.aspx WinPST	PM and PM Precursor emissions are managed to meet client objectives AND Conservation practices are in place to address the identified air quality concerns.	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							

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		TRUE	FALSE			TRUE	FALSE
AIR QUALITY IMPACTS: Emissions of Greenhouse Gases (GHGs)	Activities are not present that produce GHGs emissions <u>GHG Producing Activities:</u> • Fertilization (manure/commercial) • CAFO/manure management • Engines (combustion source) • Tillage AND GHGs are not regulated in this planning area	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner Observation AQAC On-Farm Checklist IDEQ AQ website: http://www.deq.idaho.gov/air-quality/monitoring.aspx	Greenhouse gas emissions are managed to meet client Objectives AND Conservation practices are in place to address the identified air quality concerns	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						
AIR QUALITY IMPACTS: Emissions of Ozone Precursors	Operations are not present that produce ozone or precursor emissions <u>Ozone Producing Activities:</u> • Engines (combustion source) • Pesticide application • Burning • CAFO/manure management • Fertilization (manure /commercial)	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner Observation AQAC On-Farm Checklist IDEQ AQ website: http://www.deq.idaho.gov/air-quality/monitoring.aspx	Ozone precursor emissions are managed to meet client Objectives AND Conservation practices are in place to address the identified air quality concerns.	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						
AIR QUALITY IMPACTS: Objectionable Odors	Activities are not present that contribute to nuisance air quality conditions <u>Nuisance Producing Activities:</u> • Pesticide application • CAFO / manure management • Composting is conducted AND Odor sources are not regulated in this planning area AND Episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner Observation AQAC On-Farm Checklist WinPST	Odors are managed to meet client objectives AND Conservation practices are in place to address the identified air quality concerns.	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						