

**Checklist of Resource Concerns
FOREST LAND**

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. Otherwise it is a resource concern that must be addressed through planning)	Meets PC?	
		TRUE	FALSE			TRUE	FALSE
SOIL RESOURCES							
REQUIRED SOIL EROSION: Sheet, Rill and Wind Erosion	Soil surface organic residue cover > 80% (typical for forest except following a fire)	<input type="checkbox"/>	<input type="checkbox"/>	Visual inspection	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
REQUIRED SOIL EROSION: Concentrated Flow Erosion	Classic gullies are not actively eroding	<input type="checkbox"/>	<input type="checkbox"/>	Field measurements/observations	Classic gully management is adequate to stop the progression of head cutting and widening and off-site impacts are minimized by vegetation and/or structure	<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.) Field observations/client input	For shorelines and water conveyance channels – Banks are stable or commensurate with normal geomorphological processes AND For streambanks – 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"/>		OR: If present, bank erosion is caused by upstream land use and beyond the client's control	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							

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SOIL QUALITY DEGRADATION: Subsidence	Histosol soils are not present	<input type="checkbox"/>	<input type="checkbox"/>	Client input/planner observation	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>
	OR: Histisol soils are not exhibiting subsidence	<input type="checkbox"/>	<input type="checkbox"/>	Soil map and report			
	OBSERVATIONS/COMMENTS:						
SOIL QUALITY DEGRADATION: Compaction	Soil compaction is not apparent AND Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	Client input/planner observation Observation of soil and/or plant condition	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:						
SOIL QUALITY DEGRADATION: Organic Matter Depletion	Soil organic matter depletion including wood recruitment is not a problem AND Activities do not cause soil organic matter depletion	<input type="checkbox"/>	<input type="checkbox"/>	ESD	Ground cover meets state criteria specific to ecological site	<input type="checkbox"/>	<input type="checkbox"/>
				Client input/planner observation	OR: Soil organic matter is managed to meet client objectives	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						
SOIL QUALITY DEGRADATION: Concentration of Salts or Other Chemicals	DOES NOT APPLY ON FOREST LAND						

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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	<input type="checkbox"/>	<input type="checkbox"/>
	OR: Activities do not cause ponding/flooding problems	<input type="checkbox"/>	<input type="checkbox"/>	Wetland determination	AND Conservation practices are designed to meet wetland policy.	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
INSUFFICIENT WATER: Inefficient Moisture Management	Moisture management is not a problem	<input type="checkbox"/>	<input type="checkbox"/>	Client input/planner observation	Runoff and evapotranspiration are minimized to meet client's management objectives	<input type="checkbox"/>	<input type="checkbox"/>
	AND Activities do not cause inefficient moisture management	<input type="checkbox"/>	<input type="checkbox"/>		AND Conservation practices and management are in place to address any off-site impacts	<input type="checkbox"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							
REQUIRED INSUFFICIENT WATER: Inefficient Use of Irrigation Water	PLU is not irrigated	<input type="checkbox"/>	<input type="checkbox"/>	IWI - Irrigation Water Index (not yet available) In the interim, FIRI	IWI ≥ 85% FFIRI (existing system efficiency %) > 85% of potential	<input type="checkbox"/>	<input type="checkbox"/>
	OBSERVATIONS/COMMENTS:						

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WATER QUALITY: Excess Nutrients in Surface and Groundwater Evaluation required if water bodies on/adjacent to site are designated by IDEQ as a 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 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 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/pathogen sources 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 AND Irrigation is not used to “flush” salts from surface soils.	<input type="checkbox"/>	<input type="checkbox"/>	Client input / planner Observation	Salt concentrations are managed to mitigate off-site transport to surface or ground waters OR: 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:							

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WATER QUALITY: Petroleum and Heavy Metals and Other Pollutants Transported to Receiving Waters Evaluation required if water bodies on/adjacent to site are designated by IDEQ as a 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 irrigation 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 (including roads)	<input type="checkbox"/>	<input type="checkbox"/>	Client input/planner observation SVAP2	Upslope treatment and buffer practices address concentrated flows to water bodies 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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WATER QUALITY: Elevated Water Temperatures Evaluation required if water bodies on/adjacent to site are designated by IDEQ as a 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"/>
	OBSERVATIONS/COMMENTS:						
PLANT RESOURCES							
DEGRADED PLANT CONDITION: Undesirable Plant Productivity and Health	Plant production and health is not a client concern	<input type="checkbox"/>	<input type="checkbox"/>	Forest inventory plots and transects forms ESD	Forest species are adapted and best suited to the site AND Future desired condition is in the range of the developed ESD AND Composition and stocking rate meets client's objectives and production goals	<input type="checkbox"/>	<input type="checkbox"/>
	OR: Pollinators and beneficial insects are not a client objective	<input type="checkbox"/>	<input type="checkbox"/>	Tech Note 19, Forest Sheet	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"/>	<input type="checkbox"/>
OBSERVATIONS/COMMENTS:							

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REQUIRED DEGRADED PLANT CONDITION: Inadequate Structure and Composition	Plant communities support the intended land use and desired ecological functions	<input type="checkbox"/>	<input type="checkbox"/>	Tech Note 19 Forest Sheet	Plant communities contain adequate diversity, composition, and structure to support desired ecological functions AND Tech Note 19 Forest Sheet \geq 5	<input type="checkbox"/>	<input type="checkbox"/>
				ESD	OR: Conservation practices and management are in place to support Forest Plan narrative assessment		
OBSERVATIONS/COMMENTS:							
REQUIRED DEGRADED PLANT CONDITION: Excessive Plant Pest Pressure	Plant productivity is not limited from pest pressure	<input type="checkbox"/>	<input type="checkbox"/>	Client input/planned observation	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 Conservation practices and management are in place to support the Forest Plan narrative assessment	<input type="checkbox"/>	<input type="checkbox"/>
				ESD	Narrative assessment on forest land		
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	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"/>
				ESD			
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	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 AND SVAP2 – fish habitat complexity element score ≥ 7 AND SVAP2 – aquatic invertebrate habitat element score ≥ 7	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	Tech Note 32 Species Habitat Evaluation (SHE) for Greater Sage-grouse and Columbia Sharp-tailed Grouse Habitat Suitability Index (HSI)	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"/>
		<input type="checkbox"/>	<input type="checkbox"/>	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 GRAS - Grassland Resource Analysis System (not currently functional) In the Interim – Feed/forage balance worksheet CPA009 (range) or CPA020 (irr pasture)	Livestock forage, roughage and supplemental nutritional requirements are addressed	<input type="checkbox"/>	<input type="checkbox"/>
		OBSERVATIONS/COMMENTS:					

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REQUIRED 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 note3, 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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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 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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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"/>
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AIR QUALITY IMPACTS: Objectionable Odors	Activities are not present that contribute to nuisance air quality conditions <u>Nuisance Producing Activities:</u> <ul style="list-style-type: none"> • 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:						