

Checklist of Resource Concerns

Farmsteads

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. For questions with no listed screening questions, move directly to the assessment. 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	Assessment Level Required to Meet Planning Criteria YES = Meets Planning Criteria NO = Identified Resource Concern		
		Y E S	N O			Y E S	N O
SOILS RESOURCES							
1a.SOIL EROSION: Sheet and Rill erosion*	Are permanent ground cover < 90% and slope > 10%?			➤ RUSLE2	Water erosion rate <=T		
1b. SOIL EROSION: Wind erosion*				➤ WEPS	Wind erosion rate <=T		
2b.SOIL EROSION: Classic gully erosion *	Are classic gullies present?			➤ 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?			➤ SVAP2	For shorelines and water conveyance channels; are banks stable or commensurate with normal geomorphological processes? AND For stream banks:- SVAP2 bank condition ≥5		
					OR Bank erosion caused solely by upstream/upland landuse(s) and management decisions that are beyond the client's control?		
7. SOIL QUALITY DEGRADATION: Concentration of Salts or other chemicals	Do activities cause salinity/sodicity problems?			➤ Soil diagnostic evaluations	Are conservation practices and managements in place to mitigate on-site effects?		

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WATER RESOURCES							
8a. EXCESS WATER: Ponding and Flooding	Is ponding or flooding a problem? AND Do activities cause ponding/flooding problems?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ Client Input ➤ Planner Observations 	Is excess water managed to meet Client's objectives?	<input type="checkbox"/>	<input type="checkbox"/>
8b. EXCESS WATER: Seasonal high water table	Does a seasonal high water table cause a problem?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ Client Input ➤ Planner Observations 	Is excess water managed to meet Client's objectives?	<input type="checkbox"/>	<input type="checkbox"/>
8c. EXCESS WATER: Seeps	Does excess water from seeps cause a problem?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ Client Input ➤ Planner Observations 	Is excess water managed to meet Client's objectives?	<input type="checkbox"/>	<input type="checkbox"/>
8d. EXCESS WATER: Drifted snow	Does drifted snow cause a problem?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ Client Input ➤ Planner Observations 	Is excess water managed to meet Client's objectives?	<input type="checkbox"/>	<input type="checkbox"/>
10. INSUFFICIENT WATER: Inefficient use of irrigation water *	Is the PLU irrigated?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ FIRI worksheet 	State established system type criteria	<input type="checkbox"/>	<input type="checkbox"/>
11a. WATER QUALITY: Excess nutrients in surface water *	Are organic or inorganic nutrients applied? OR Is the PLU grazed?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ Nutrient budget 	Are conservation practices and managements in place to minimize surface water impacts? AND Are surface waters protected from contamination due to runoff and leaching from storage sites, spill and other concentrated sources?	<input type="checkbox"/>	<input type="checkbox"/>
11b. WATER QUALITY: Excess nutrients in groundwater *	OR Are confined livestock areas present?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ Nutrient budget 	Are conservation practices and managements in place to minimize groundwater impacts? AND Are surface waters protected from contamination due to runoff and leaching from storage sites, spill and other concentrated sources?	<input type="checkbox"/>	<input type="checkbox"/>
12a. WATER QUALITY DEGRADATION: Pesticides transported to Surface waters	Are pest control chemicals applied?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ WinPST 	Are pesticides stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching? AND Are conservation practices and managements in place to minimize offsite impacts?	<input type="checkbox"/>	<input type="checkbox"/>
12b. WATER QUALITY DEGRADATION: Pesticides transported to Groundwaters		<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ WinPST 	Are pesticides stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching? AND Are conservation practices and managements in place to minimize offsite impacts?	<input type="checkbox"/>	<input type="checkbox"/>		

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<p>13a. WATER QUALITY DEGRADATION: Pathogens, pharmaceuticals and Other Chemicals in Surface water*</p>	<p>Are potential sources of pathogens or pharmaceuticals applied on the land?</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; background-color: #d9ead3; height: 100%;"></div> <div style="width: 45%; background-color: #ead1dc; height: 100%;"></div> </div>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	<p>Are organic materials applied, stored, and/or handled to mitigate negative impacts to water sources?</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; background-color: #d9ead3; height: 100%;"></div> <div style="width: 45%; background-color: #ead1dc; height: 100%;"></div> </div>
<p>13b. WATER QUALITY DEGRADATION: Pathogens, pharmaceuticals and Other Chemicals in Groundwater*</p>		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; background-color: #d9ead3; height: 100%;"></div> <div style="width: 45%; background-color: #ead1dc; height: 100%;"></div> </div>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	<p>Are organic materials applied, stored, and/or handled to mitigate negative impacts to water sources?</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; background-color: #d9ead3; height: 100%;"></div> <div style="width: 45%; background-color: #ead1dc; height: 100%;"></div> </div>
<p>14a. WATER QUALITY DEGRADATION: Excessive salts in Surface waters</p>	<p>Is excess salt a problem?</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; background-color: #d9ead3; height: 100%;"></div> <div style="width: 45%; background-color: #ead1dc; height: 100%;"></div> </div>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	<p>Are salt concentrations managed to mitigate off-site transport to surface waters?</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; background-color: #d9ead3; height: 100%;"></div> <div style="width: 45%; background-color: #ead1dc; height: 100%;"></div> </div>
<p>14b. WATER QUALITY DEGRADATION: Excessive salts in Ground waters</p>	<p>OR Do activities contribute to excess salt production?</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; background-color: #d9ead3; height: 100%;"></div> <div style="width: 45%; background-color: #ead1dc; height: 100%;"></div> </div>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	<p>Are salt concentrations managed to mitigate off-site transport to groundwaters?</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; background-color: #d9ead3; height: 100%;"></div> <div style="width: 45%; background-color: #ead1dc; height: 100%;"></div> </div>

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		YES	NO			YES	NO
15a. WATER QUALITY DEGRADATION: Petroleum and heavy metals and other pollutants transported to surface water	Do activities present the potential for contamination?	<input type="checkbox"/>	<input type="checkbox"/>	<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?	<input type="checkbox"/>	<input type="checkbox"/>
15b. WATER QUALITY DEGRADATION: Petroleum and heavy metals and other pollutants transported to groundwater	Do activities present the potential for contamination?	<input type="checkbox"/>	<input type="checkbox"/>	<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?	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ RUSLE2 ➤ SVAP2 ➤ WEPS 	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?	<input type="checkbox"/>	<input type="checkbox"/>
17. WATER QUALITY DEGRADATION: Elevated water temperature	Is there a water course on or adjacent to the site with State Agency identified temperature impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ SVAP2 	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?	<input type="checkbox"/>	<input type="checkbox"/>
	Is water course temperature a client concern?	<input type="checkbox"/>	<input type="checkbox"/>		OR Are existing practices in place to address water temperature?	<input type="checkbox"/>	<input type="checkbox"/>

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AIR RESOURCES					
<p>18. AIR QUALITY IMPACTS - Emissions of Particulate Matter - PM - and PM Precursors</p>	<p>Have episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift occurred?</p> <p>AND</p> <p>Do activities contribute to agricultural source PM or PM precursor emissions?</p>	<p style="background-color: #d9ead3; width: 100%; height: 100%;"></p>	<p style="background-color: #d9ead3; width: 100%; height: 100%;"></p>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	<p>Are PM and PM Precursor emissions managed to meet client objectives?</p>
<p>19. AIR QUALITY IMPACTS - Emissions of Greenhouse Gases - GHGs</p>	<p>Are GHGs regulated in this planning area?</p> <p>AND</p> <p>Do activities produce GHGs emissions?</p>	<p style="background-color: #d9ead3; width: 100%; height: 100%;"></p>	<p style="background-color: #d9ead3; width: 100%; height: 100%;"></p>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	<p>Are greenhouse gas emissions managed to meet client objectives?</p>
<p>20. AIR QUALITY IMPACTS - Emissions of Ozone Precursors</p>	<p>Do operations produce ozone or precursor emissions?</p>	<p style="background-color: #d9ead3; width: 100%; height: 100%;"></p>	<p style="background-color: #d9ead3; width: 100%; height: 100%;"></p>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	<p>Are ozone precursor emissions are managed to meet client objectives?</p>
<p>21. AIR QUALITY IMPACTS - Objectionable odors</p>	<p>Do activities contribute to odor nuisance air quality conditions?</p> <p>AND</p> <p>Are odor sources regulated in this planning area?</p> <p>AND</p> <p>Have odor episodes or complaints of odor nuisance occurred?</p>	<p style="background-color: #d9ead3; width: 100%; height: 100%;"></p>	<p style="background-color: #d9ead3; width: 100%; height: 100%;"></p>	<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	<p>Are odors managed to meet client objectives?</p>

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PLANT RESOURCES					
22. DEGRADED PLANT CONDITION: <i>Undesirable plant productivity and health</i>	Are plant production and health a client objective?		<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ Crop Tolerance Tables 	Are plants adapted to the site, meet production goals and do not negatively impact other resources? AND Is plant damage from wind erosion below Crop Damage Tolerance levels?	
24. DEGRADED PLANT CONDITION: <i>Excessive plant pest pressure</i>	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?	
25. DEGRADED PLANT CONDITION: <i>Wildfire hazard, excessive biomass accumulation</i>	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?	

ANIMAL RESOURCES					
27. LIVESTOCK PRODUCTION LIMITATION: <i>Inadequate feed and forage</i>			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	Are livestock forage, roughage and supplemental nutritional requirements addressed?	
28. LIVESTOCK PRODUCTION LIMITATION: <i>Inadequate livestock shelter</i>	Is Client actively grazing animals. (Grazing Modifier)		<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation 	Do artificial or natural shelters meet animal health needs and client objectives?	
29. LIVESTOCK PRODUCTION LIMITATION: <i>Inadequate livestock water</i>			<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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ENERGY RESOURCES							
30. INEFFICIENT ENERGY USE – Equipment and facilities	Is the Client interested in improving equipment and facilities energy efficiency?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ NRCS Energy Estimator ➤ USDA approved Energy Audit 	Has a USDA approved energy audit been implemented that address equipment and facilities to meet client objectives? OR Are on- farm renewable energy and/or energy conserving practices been implemented to meet client objectives?		
31. INEFFICIENT ENERGY USE – Farming and ranching practices and field operations	Is Client interested in improving energy use in farm and ranch field operations?			<ul style="list-style-type: none"> ➤ Client input ➤ Planner observation ➤ NRCS Energy Estimator ➤ USDA approved Energy Audit ➤ Conservation on the Farm Checklist 	Has a USDA approved energy audit been implemented that address equipment and facilities to meet client objectives? OR Are on- farm renewable energy and/or energy conserving practices been implemented to meet client objectives?		

<i>Technical Assistance Notes</i>	