

Identifying Resource Concerns:

Which concerns are really legitimate?

Johnny Chism, Resource Conservationist, USDA NRCS Arkansas,
Harrison, Arkansas

Arlen Ricke, Landscape Planning Specialist, USDA NRCS Conservation
Planning and Technical Assistance Division, Washington, D.C.

NB_180_16_2 - NB 180-16-2 CPA - Resource Concern Checklist for Optional Use

NB 180-16-2 CPA - Resource Concern Checklist for Optional Use

National
Bulletin: 180-16-2

Date: February 22, 2016

Subject: CPA – Resource Concern Checklist for Optional Use

Purpose. To release the "Resource Concern Checklist" developed through the Conservation Delivery Streamlining Initiative (CDSI) for optional use by conservation planners in identifying resource concerns.

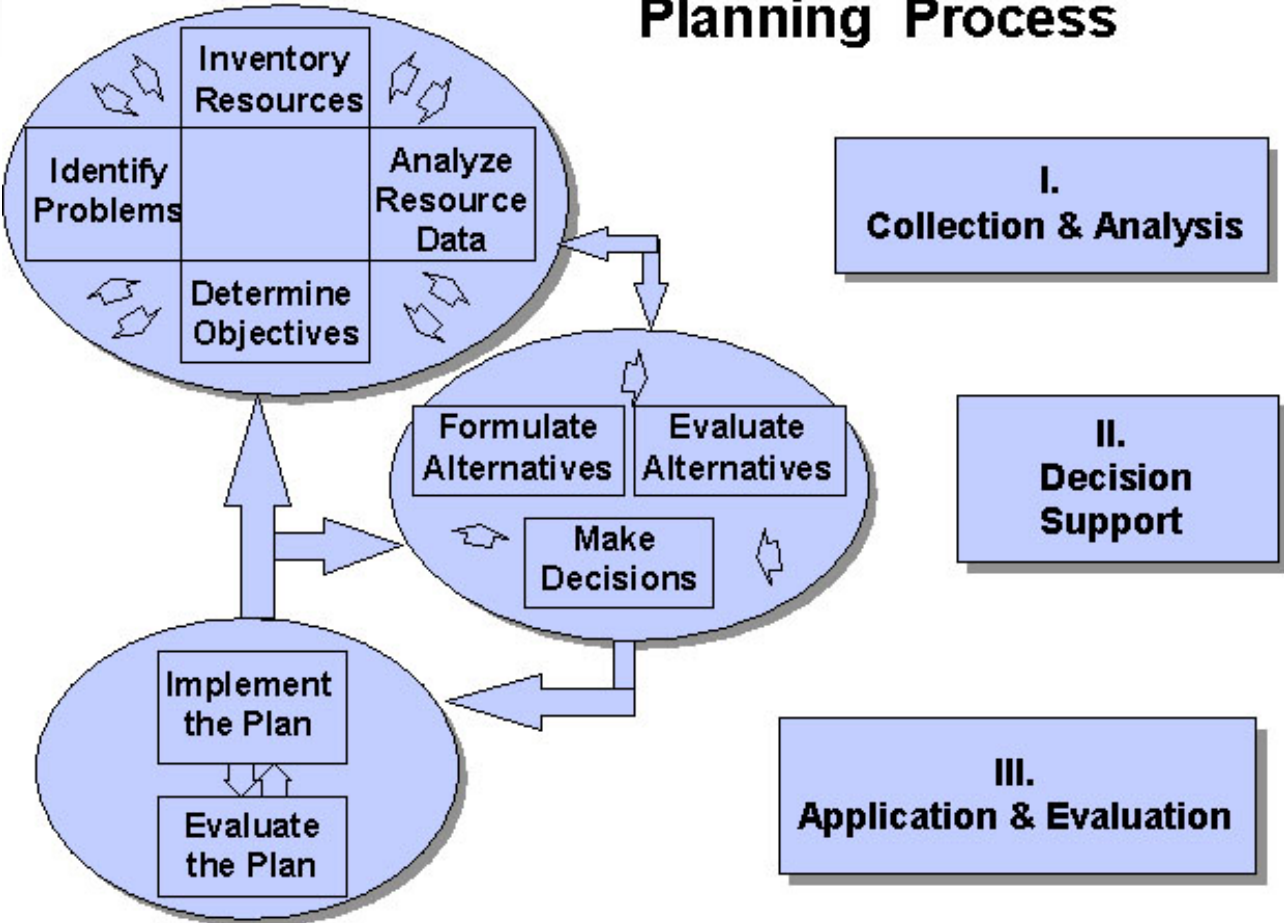
Expiration Date. September 30, 2016

Background. Resource concern checklists were developed several years ago to be incorporated into the CDSI software framework. The checklists guide conservation planners through the assessment process of determining relevant resource concerns to be addressed through conservation plans. Though this process will be electronic when incorporated into CDSI Conservation Desktop (CD) and Mobile Planner (MP), paper copies were developed to be used prior to the rollout of CD and MP. Versions of the checklists have been successfully used in Conservation Boot Camp training with students continuing to use them after returning to their field offices. Recently, the checklists were revised to incorporate all land uses into one checklist.

Explanation. In order to continue the adoption of the resource concern checklist and to prepare for the rollout of CD and MP, the newly revised version of the paper resource concern checklist is being distributed to States for optional use by NRCS and partner planners. This bulletin transfers the revised checklist (see attachment) to States and authorizes its use by conservation planners for identifying resource concerns as part of the conservation planning process.

Contact. Questions concerning the "Resource Concern Checklist" should be directed to Arlen Ricke, Landscape Planning Specialist, Conservation Technical Assistance and Planning Team, at arlen.ricke@wdc.usda.gov.

Planning Process

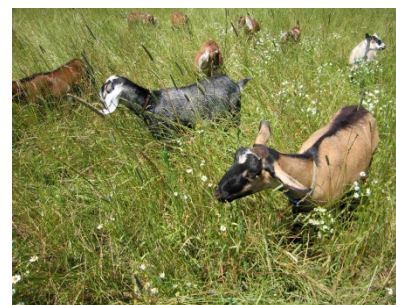


I need water for my cattle...did we miss something else?



RESOURCE CONCERNS

- An expected degradation of the soil, water, air, plant or animal resource base to the extent that the sustainability or intended use of the resource is impaired.



Resource Concerns

November 1, 2011

**Linkage Between the Old Resource Concerns
and New Resource Concerns**

Old Resource	Old Resource Concern	New Resource Concern	New Resource
Soil Erosion	Classic Gully	Concentrated Flow Erosion	Soil Erosion
	Ephemeral Gully		
	Sheet and Rill	Sheet, Rill, & Wind Erosion	
	Wind		
	Shoreline	Excessive Bank Erosion from streams, shoreline and water conveyance channels	
	Streambank		
	Mass Movement	WATER QUALITY DEGRADATION – Excessive Sediment in surface waters.	
	Road, Road Sides and Construction Sites		
Irrigation-induced	SOIL EROSION (Sheet and Rill, Ephemeral, Gully) and WATER QUANTITY - Inefficient Use of Irrigation Water		
Soil Condition	Organic Matter Depletion	Organic Matter Depletion	Soil Quality Degradation
	Compaction	Compaction	
	Subsidence	Subsidence	
	Contaminants - Salts and Other Chemicals	Concentration of Salts and other Chemicals	
	Damage from Sediment Deposition	WATER QUALITY DEGRADATION - Excessive Sediment in Surface Water	
	Contaminants - Residual Pesticides		
	Contaminants-Animal Waste and Other Organics - N	WATER QUALITY DEGRADATION – Excess nutrients in surface and ground waters	
	Contaminants-Animal Waste and Other Organics - P		
	Contaminants-Animal Waste and Other Organics - K		
	Contaminants-Commercial Fertilizer - N		
	Contaminants-Commercial Fertilizer - P		
	Contaminants-Commercial Fertilizer - K	DEGRADED PLANT CONDITION – Undesirable Plant Productivity and Health	
Rangeland Site Stability			

Planning Criteria

FOTG Section 3

- Issued by National Bulletin 450-11-6
- Included in All States FOTG
- Developed Screening and Assessment Method to determine Resource Concerns
- Replaces subjective Quality Criteria
- Better defines when a concern is or is not present
- RC Checklists were developed from Planning Criteria

“old”
Quality
Criteria

National and State Resource Concern		
Natural Resource Concern	Description of Concern	National Quality Criteria
WATER		
<i>Water Quality</i> Excessive Nutrients and Organics in Surface Water	Pollution from natural or human induced nutrients such as N, P, S (Including animal and other wastes) degrades surface water quality.	Nutrients and organics are stored, handled, disposed of, and managed such that surface water uses are not adversely affected.

Comparison of QC vs PC

“new”
Planning
Criteria

Resource Concern * required response	Screening Questions TRUE = Met Screening (Not a RC) FALSE = Go to Assessment	Assessment Tools	Assessment Level Required to Meet Planning Criteria TRUE= Meets Planning Criteria FALSE= Identified Resource Concern
WATER QUALITY DEGRADATION: Excess nutrients in surface water*	Organic or inorganic nutrients are not applied AND PLU is not grazed	-Client input / planner observation -Nutrient budget	Nutrient and amendment applications are based on soil or tissue tests and nutrient budgets for realistic yields AND Conservation practices and managements are in place to minimize surface water impacts
WATER QUALITY DEGRADATION: Excess nutrients in groundwater*		-Client input / planner observation -Nutrient budget	Nutrient and amendment applications are based on soil or tissue tests and nutrient budgets for realistic yields AND Conservation practices and managements are in place to minimize groundwater

Resource Concerns Checklist

Client _____ Land Units _____
 Location _____ Land Uses Crop Pasture Range Forest Farmstead Assoc Ag Land Designated Protected Area Developed Land Water Other Rural

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 TRUE, this indicates no resource concern exists and no assessment is required. If a screening question is FALSE, the assessment must be completed to evaluate if there is a resource concern. If the Assessment is TRUE, Planning Criteria is met. If the Assessment is FALSE, the Planning Criteria is not met and a Resource Concern exists.

If there is no screening question, go directly to assessment. If the Resource Concern is a Client Identified Objective (in effect the client wishes to exceed planning criteria), the concern will be required to be evaluated in the planning process.

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Resource Concern? <input checked="" type="checkbox"/>	Client Objective? <input checked="" type="checkbox"/>	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	• Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input type="checkbox"/>	Water erosion rate ≤ T	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind				Wind erosion rate ≤ T	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Forest*	Sheet & Rill	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind									
	• Range*	Sheet & Rill	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind									

Resource Concerns Checklist

Client _____ Land Units _____
 Location _____ Land Uses Crop Pasture Range Forest Farmstead Assoc Ag Land Designated Protected Area Developed Land Water Other Rural

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 TRUE, this indicates no resource concern exists and no assessment is required. If a screening question is FALSE, the assessment must be completed to evaluate if there is a resource concern. If the Assessment is TRUE, Planning Criteria is met. If the Assessment is FALSE, the Planning Criteria is not met and a Resource Concern exists.

If there is no screening question, go directly to assessment. If the Resource Concern is a Client Identified Objective (in effect the client wishes to exceed planning criteria), the concern will be required to be evaluated in the planning process.

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	• Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input type="checkbox"/>	Water erosion rate ≤ T	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Wind				Wind erosion rate ≤ T					
	• Forest*	Sheet & Rill	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind									
	• Range*	Sheet & Rill	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind				OR Rangeland Planned Trend is positive					



Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	<ul style="list-style-type: none"> • Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture* 		Permanent ground cover > 90% and slope < 10% True AND Classic gullies are not present True AND Streams or shoreline are not on or adjacent to site True	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> • Forest* 		There are no untreated sources of erosion AND Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> • Range* 			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	<ul style="list-style-type: none"> • All 		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment OR Water course temperature is not a client concern	<input type="checkbox"/>	<input type="checkbox"/>

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	<ul style="list-style-type: none"> • Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture* 		Permanent ground cover > 90% and slope < 10% True AND Classic gullies are not present True AND Streams or shoreline are not on or adjacent to site False	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> • Forest* 		There are no untreated sources of erosion AND Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> • Range* 			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	<ul style="list-style-type: none"> • All 		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment OR Water course temperature is not a client concern	<input type="checkbox"/>	<input type="checkbox"/>

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	<ul style="list-style-type: none"> • Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture* 		Permanent ground cover > 90% and slope < 10% AND Classic gullies are not present AND Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> • Forest* 		There are no untreated sources of erosion AND Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> • Range* 			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	<ul style="list-style-type: none"> • All 		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment True OR Water course temperature is not a client concern True	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	<ul style="list-style-type: none"> • Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture* 		Permanent ground cover > 90% and slope < 10% AND Classic gullies are not present AND Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> • Forest* 		There are no untreated sources of erosion AND Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> • Range* 			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	<ul style="list-style-type: none"> • All 		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment True OR Water course temperature is not a client concern False	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	<ul style="list-style-type: none"> • Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture* 		Permanent ground cover > 90% and slope < 10% AND Classic gullies are not present AND Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> • Forest* 		There are no untreated sources of erosion AND Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	<ul style="list-style-type: none"> • Range* 			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	<ul style="list-style-type: none"> • All 		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment False OR Water course temperature is not a client concern False	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Required Resource Concerns

- Note that some Resource Concerns are required to be evaluated on particular land uses (required land uses will have an asterisk)
- Some Resource Concerns are optional (no asterisk)
- Not Applicable to certain Land uses. (land use not listed)

- The Soil Erosion - sheet, rill and wind erosion concern is required to be evaluated on all land uses except the Water land use.
- The Soil Quality Degradation – Compaction concern is optional for most land uses and not applicable for the Developed Land, Farmsteads, and Water land uses.

SOIL EROSION - Sheet, rill, & wind erosion	• Crop* • Developed Land*
	• Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*
	• Forest*
	• Range*

SOIL QUALITY DEGRADATION - Compaction	• Crop • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land
	• Pasture
	• Range

Summary page

Required Optional Not Applicable

Enter Y (yes) or N (no) for each applicable land use to show presence or absence of Concern.

Resource Concern	Crop	Pasture	Range	Forest	Farmstead	Assoc Ag Land	Designated Protected Area	Developed Land	Water	Other Rural Land
SOIL EROSION - Sheet & rill erosion										
SOIL EROSION - Wind erosion										
SOIL EROSION - Concentrated flow erosion, ephemeral gullies										
SOIL EROSION - Concentrated flow erosion, classic gullies										
SOIL EROSION- Excessive bank erosion from streams shorelines or water conveyance channels										
SOIL QUALITY DEGRADATION - Subsidence										
SOIL QUALITY DEGRADATION - Compaction										
SOIL QUALITY DEGRADATION - Organic matter depletion										
SOIL QUALITY DEGRADATION - Concentration of salts or other chemicals										
EXCESS WATER - Ponding and flooding										
EXCESS WATER - Seasonal high water table										
EXCESS WATER - Seeps										

Steps in Using the checklist for the Environmental Evaluation

- Determine Resource Concerns (RC) on the planning unit
- Using the Checklist, document the Benchmark Condition on the Environmental Evaluation (NRCS-CPA-52)
- Develop Alternatives by using the identified RC's, the planner's experience and other tools to identify practices to solve the problems
- Use the checklist, the planner's experience and other tools to predict expected results of No Action and each alternative on the Environmental Evaluation

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 TRUE, this indicates no resource concern exists and no assessment is required. If a screening question is FALSE, the assessment must be completed to evaluate if there is a resource concern. If the Assessment is TRUE, Planning Criteria is met. If the Assessment is FALSE, the Planning Criteria is not met and a Resource Concern exists. If there is no screening question, go directly to assessment. If the Resource Concern is a Client Identified Objective (in effect the client wishes to exceed planning criteria), the concern will be required to be evaluated in the planning process.

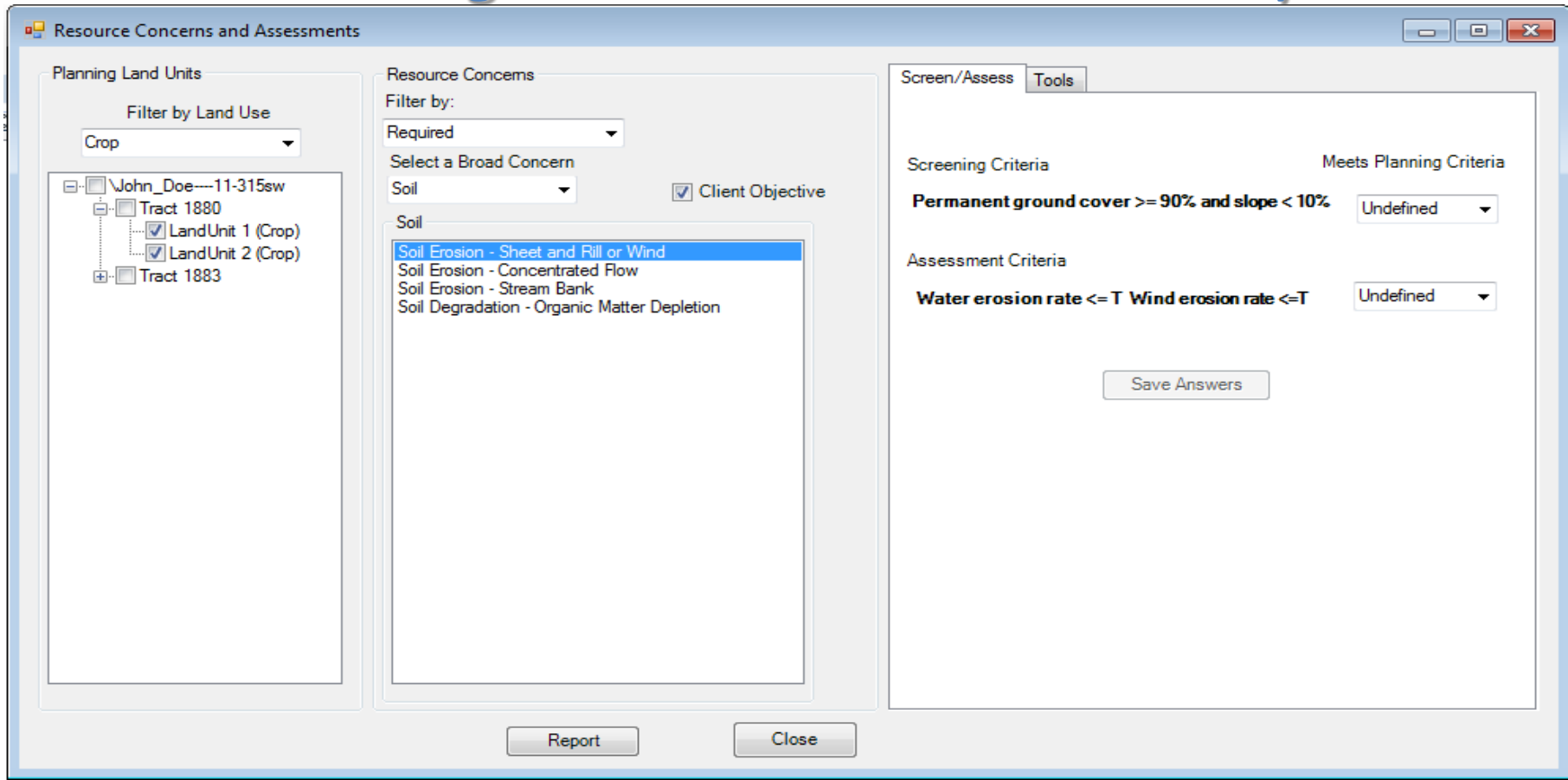
Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input type="checkbox"/> T <input type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input type="checkbox"/> T <input type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern	
SOIL EROSION- Excessive bank erosion from streams shorelines or water conveyance channels	• Crop* • Forest • Range* • Developed Land* • Associated Protected Area* • Water* • Other Rural Land* • Farmsteads*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		T1200, F 1-4
	• Pasture*			<input type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

F. Resource Concerns and Existing/ Benchmark Conditions (Analyze and record the existing/benchmark conditions for each identified concern)	I. Effects of Alternatives					
	No Action		Alternative 1		Alternative 2	
	Amount, Status, Description (Document both short and long term impacts)	if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	if does NOT meet PC
Streams, shorelines or water conveyance channels Banks are unstable with evidence of erosion or bank failures (SVAP2 bank condition element = 3, see case file).	SVAP2 remains at 3 short-term, expected to decrease over time	<input checked="" type="checkbox"/> NOT meet PC	Banks are stable, protected by roots or natural vegetation, wood, or rock or a combination of materials with little erosion or bank failures. Practice 580. (SVAP2 bank condition element = 5, see case file)	<input type="checkbox"/> NOT meet PC	Banks are stable, protected by roots or natural vegetation, wood, or rock or a combination of materials with little erosion or bank failures. Practice 580 and 391. (SVAP2 bank condition element = 7, see case file)	<input type="checkbox"/> NOT meet PC

Present Condition | **Future Conditions**

Conservation Desktop Resource Concerns

Screening and Assessment Data Entry



The screenshot shows the 'Resource Concerns and Assessments' application window. It is divided into three main sections:

- Planning Land Units:** A tree view on the left shows a hierarchy starting with 'John_Doe----11-315sw', which contains 'Tract 1880'. 'Tract 1880' has two sub-items, 'LandUnit 1 (Crop)' and 'LandUnit 2 (Crop)', both of which are checked. Below the tree is a 'Filter by Land Use' dropdown menu set to 'Crop'.
- Resource Concerns:** A central panel with a 'Filter by:' dropdown set to 'Required'. Below it is a 'Select a Broad Concern' dropdown set to 'Soil'. A 'Client Objective' checkbox is checked. A list of concerns is shown below, with 'Soil Erosion - Sheet and Fill or Wind' selected and highlighted in blue. Other concerns include 'Soil Erosion - Concentrated Flow', 'Soil Erosion - Stream Bank', and 'Soil Degradation - Organic Matter Depletion'.
- Screen/Assess:** A right-hand panel with a 'Tools' tab. It contains two sections: 'Screening Criteria' and 'Assessment Criteria'. The 'Screening Criteria' section shows the text 'Permanent ground cover >= 90% and slope < 10%' with a 'Meets Planning Criteria' label and a dropdown menu set to 'Undefined'. The 'Assessment Criteria' section shows the text 'Water erosion rate <= T Wind erosion rate <=T' with a dropdown menu set to 'Undefined'. A 'Save Answers' button is located at the bottom of this panel.

At the bottom of the window are two buttons: 'Report' and 'Close'.

Evaluate Schedule

Evaluation

Current Schedule

Land Units

- Tract 1234
 - Land Unit 1 Cropland (23.4 ac)
 - Land Unit 2 Cropland (43.5 ac)
 - Land Unit 3 Cropland (143.5 ac)
- Tract 2354

	Practice Code	Practice Name	Logical Practice	CPPE	LifeSpan	PAC	Cost Effectiveness	FA Eligible
▶	472	Access Control	No	3	10	\$554.28	1.89	Yes
	560	Access Road	No	10	10	\$4,627.78	2.3	Yes
	328	Conservation Crop Rotation	Yes	2	1	\$37	2.4	No
	656	Constructed Wetland	Yes	4	15	\$4000	1.4	No
	332	Contour Buffer Strip	Yes	2	5	\$348	1.1	Yes
	330	Contour Farming	Yes	1	5	\$45	1.0	No
	590	Nutrient Management	Yes	3	1	\$23	3.5	Yes
	340	Cover Crop	Yes	2	1	\$123	1.2	No
	342	Critical Area Planting	Yes	1	10	\$27	1.3	No

Land Use

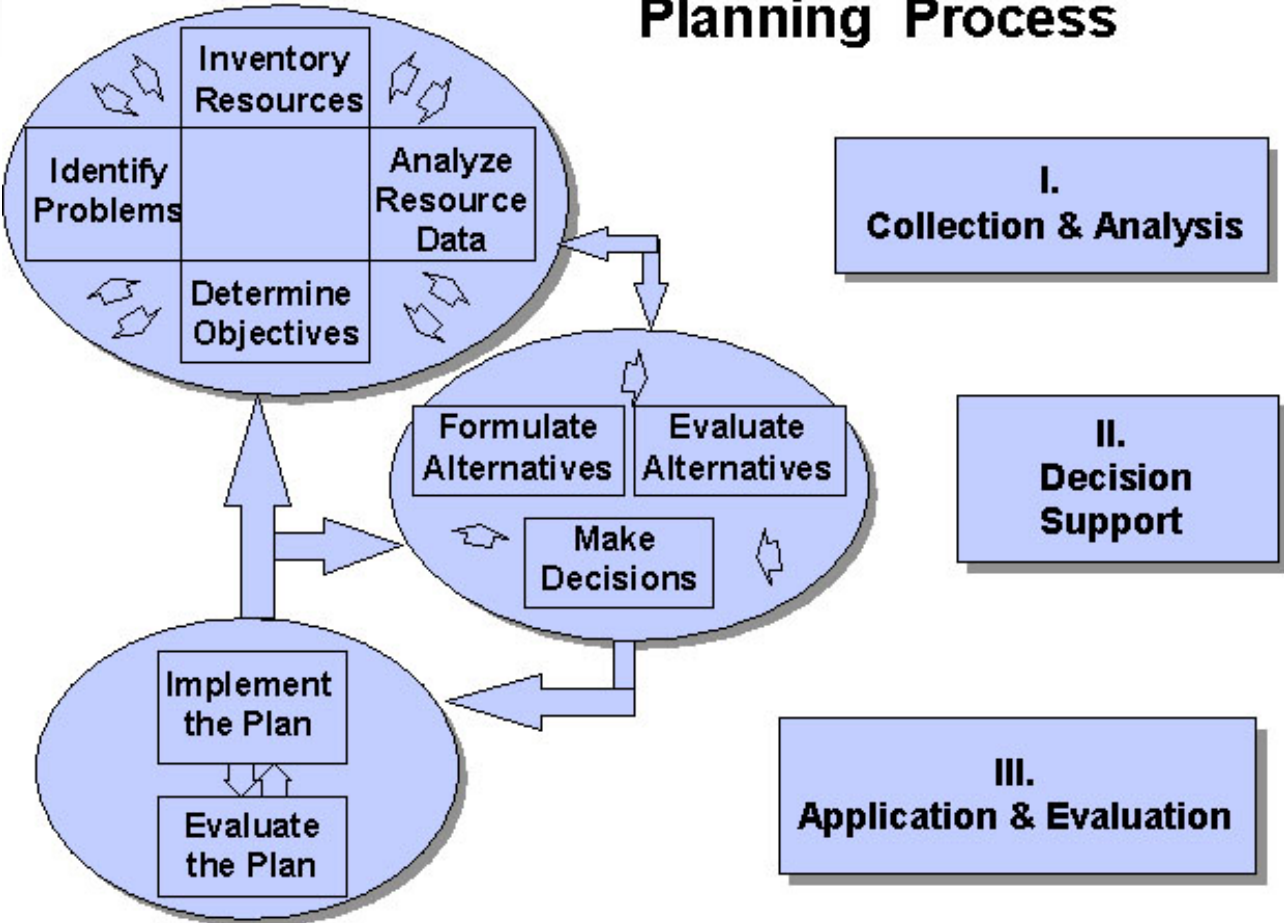
Identified Resource Concerns

FA fund Code

	Practice	Job Sheet	CPPE	Select
	340	<input type="button" value="340 JobSheet"/>	2	<input checked="" type="checkbox"/>
▶	590	<input type="button" value="EQ01"/>	5	<input checked="" type="checkbox"/>
*		<input type="button" value=""/>		<input type="checkbox"/>

	Identified Resource Concern	Potentially Treated
▶	Water Quality Degradation - Nutrients in Surface Water	Yes
	Soil Quality Degradation - Organic Matter Depletion	Yes
*		

Planning Process



Natural Resource Concerns identified are opportunities used in the planning process. The client may identify some of these and others may be found through our resource inventory process and by screening and assessment of the individual concerns.

National Planning Procedures
Handbook,
NPPH 180 Part 600

Some Questions You may have:

- Will the RC checklist be a required form?
- Will States be able to adapt the form?

Demonstration

Scenario

You are working with a producer Joe Farmer. Joe has some cropland, pasture, forest and a headquarters area. Joe is really concerned about a stream that flows through his cropland and pasture fields. Even though the stream is in better shape in the pasture fields, he wants his neighbors to appreciate the care he takes to protect the stream.

Resource Concerns Checklist

Client Joe Farmer

Land Units

Crop T1200 F1-4, HQ T1200 F5, Pasture T1200 F6-10, Forest T1200 F11,12

Location T19N R21W Sec 13

Land Uses Crop Pasture Range Forest Farmstead Assoc Ag Land Designated Protected Area Developed Land Water Other Rural Land

This checklist is designed to assist planners and clients in identifying resource concerns during the planning process. The planning criteria outlined in Section III of the FOTC sets the minimum level of treatment. If a screening question is TRUE, this indicates no resource concern exists and no assessment is required. If a screening question is FALSE, the assessment must be completed to evaluate if there is a resource concern. If the Assessment is TRUE, Planning Criteria is met. If the Assessment is FALSE, the Planning Criteria is not met and a Resource Concern exists.

If there is no screening question, go directly to assessment. If the Resource Concern is a Client Identified Objective (in effect the client wishes to exceed planning criteria), the concern will be required to be evaluated in the planning process.

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	• Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input type="checkbox"/>	Water erosion rate ≤ T	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind				Wind erosion rate ≤ T	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Forest*	Sheet & Rill	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Range*	Sheet & Rill	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind				Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	• Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Classic gullies	Classic gullies are not present	<input type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land*	Classic gullies	Classic gullies are not present	<input type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION- Excessive bank erosion	• Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area*			<input type="checkbox"/>	<input type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input type="checkbox"/> T	<input type="checkbox"/> F
SOIL EROSION - Sheet, rill, & wind erosion	<ul style="list-style-type: none"> • Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture* 	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Wind			
	• Forest*	Sheet & Rill	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>
		Wind			
	• Range*	Sheet & Rill	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>
		Wind			



Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Resource Concern? <input checked="" type="checkbox"/>	Client Objective? <input checked="" type="checkbox"/>	Tract/Land Unit with concern
Water erosion rate \leq T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
Wind erosion rate \leq T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Identified Resource Concerns

Client: **Joe Farmer**

Location **T19N R21W Sec 13**

Land Units **Crop T1200 F1-4, HQ T1200 F5, Pasture T1200 F6-10, Forest T1200 F11,12**

Required Optional Not Applicable

Resource Concern	Enter Y (yes) or N (no) for each applicable land use to show presence or absence of Concern.									
	Crop	Pasture	Range	Forest	Farmstead	Assoc Ag Land	Designated Protected Area	Developed Land	Water	Other Rural Land
SOIL EROSION - Sheet & rill erosion	Y									
SOIL EROSION - Wind erosion	N									

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	Assessment Level True not a concern, False is a resource concern		Resource Concern?	Client Objective?	Tract/Land Unit with concern			
				<input type="checkbox"/> T	<input type="checkbox"/> F						
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
		Wind		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
	* Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land*	Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Classic gullies	Classic gullies are not present	<input type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SOIL EROSION- Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
	* Pasture*			<input type="checkbox"/>	<input type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION - Subsidence	* Crop* • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histosol soils are not present OR Histosols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SOIL QUALITY DEGRADATION - Compaction	* Crop* • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land		Soil compaction is not a problem AND Activities do not cause soil compaction problems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
	* Pasture			<input type="checkbox"/>	<input type="checkbox"/>	PCS - compaction element score ≥ 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range			<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	Assessment Level True not a concern, False is a resource concern		Resource Concern?	Client Objective?	Tract/Land Unit with concern			
				<input type="checkbox"/> T	<input type="checkbox"/> F						
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input checked="" type="checkbox"/> F	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input type="checkbox"/>	<input checked="" type="checkbox"/> F	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/> F	Site is stable and without visible signs of erosion	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/> F	RHA - soil site stability - slight to moderate or less OR <i>Specialized Planned Treat is positive</i>	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/> F	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/> F	Classic gully management is adequate to stop the progression of head cutting and widening and are onsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land*	Classic gullies	Classic gullies are not present	<input type="checkbox"/>	<input type="checkbox"/> F	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads* • Pasture*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/> F	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input type="checkbox"/> F	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION - Subsidence	* Crop • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> F	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION – Compaction	* Crop • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture		Soil compaction is not a problem AND	<input type="checkbox"/>	<input checked="" type="checkbox"/> F	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input type="checkbox"/> F	PCS – compaction element score ≥ 4	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range		Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/> F	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	Assessment Level True not a concern, False is a resource concern		Resource Concern?	Client Objective?	Tract/Land Unit with concern			
				<input type="checkbox"/> T	<input type="checkbox"/> F						
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/> T	<input type="checkbox"/> F	Site is stable and without visible signs of erosion	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/> T	<input type="checkbox"/> F	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area*	Classic gullies	Classic gullies are not present	<input type="checkbox"/> T	<input type="checkbox"/> F	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Excessive bank erosion from streams shoreline or water conveyance channels	* Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads* • Pasture*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND if bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/> T	<input type="checkbox"/> F	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SOIL QUALITY DEGRADATION - Subsidence	* Crop • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION - Compaction	* Crop • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture		Soil compaction is not a problem AND	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/> T	<input type="checkbox"/> F	PCS - compaction element score ≥ 4	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	* Range		Activities do not cause soil compaction problems	<input type="checkbox"/> T	<input type="checkbox"/> F	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	Assessment Level True not a concern, False is a resource concern		Resource Concern?	Client Objective?	Tract/Land Unit with concern			
				<input type="checkbox"/> T	<input type="checkbox"/> F						
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input checked="" type="checkbox"/> F	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input type="checkbox"/>	<input checked="" type="checkbox"/> F	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/> F	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads* • Pasture*	Classic gullies	Classic gullies are not present	<input type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input checked="" type="checkbox"/> F	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
SOIL QUALITY DEGRADATION - Subsidence	* Crop* • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION – Compaction	* Crop* • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land		Soil compaction is not a problem AND	<input type="checkbox"/>	<input checked="" type="checkbox"/> F	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input type="checkbox"/>	PCS – compaction element score ≥ 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range		Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Subpart B
Part 614

Conservation Planning
Stream Visual Assessment Protocol Version 2

National Biology Handbook
Aquatic and Terrestrial Habitat Resources

Element 3 Bank condition

<p>Banks are stable; protected by roots of natural vegetation, wood, and rock ^{1/}</p> <p>No fabricated structures present on bank</p> <p>No excessive erosion or bank failures ^{2/}</p> <p>No recreational or livestock access</p>	<p>Banks are moderately stable, protected by roots of natural vegetation, wood, or rock or a combination of materials</p> <p>Limited number of structures present on bank</p> <p>Evidence of erosion or bank failures, some with reestablishment of vegetation</p> <p>Recreational use and/or grazing do not negatively impact bank condition</p>	<p>Banks are moderately unstable; very little protection of banks by roots of natural wood, vegetation, or rock</p> <p>Fabricated structures cover more than half of reach or entire bank</p> <p>Excessive bank erosion or active bank failures</p> <p>Recreational and/or livestock use are contributing to bank instability</p>	<p>Banks are unstable; no bank protection with roots, wood, rock, or vegetation</p> <p>Riprap and/or other structures dominate banks</p> <p>Numerous active bank failures</p> <p>Recreational and/or livestock use are contributing to bank instability</p>
<p>Right bank</p>	<p>10 9 8 7 6</p>	<p>5 4 3</p>	<p>2 1 0</p>
<p>Left bank</p>	<p>10 9 8 7 6</p>	<p>5 4 3</p>	<p>2 1 0</p>

^{1/} Natural wood and rock does not mean riprap, gabions, log cribs, or other fabricated revetments.

^{2/} Bank failure refers to a section of streambank that collapses and falls into the stream, usually because of slope instability.

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	Assessment Level True not a concern, False is a resource concern		Resource Concern?	Client Objective?	Tract/Land Unit with concern			
				<input type="checkbox"/> T	<input type="checkbox"/> F						
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/> T	<input type="checkbox"/> F	Site is stable and without visible signs of erosion	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/> T	<input type="checkbox"/> F	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads* • Pasture*	Classic gullies	Classic gullies are not present	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/> T	<input type="checkbox"/> F	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION - Subsidence	* Crop • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION – Compaction	* Crop • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture • Range		Soil compaction is not a problem AND Activities do not cause soil compaction problems	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/> T	<input type="checkbox"/> F	PCS – compaction element score ≥ 4	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/> T	<input type="checkbox"/> F	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	Assessment Level True not a concern, False is a resource concern		Tract/Land Unit with concern					
				<input type="checkbox"/> T	<input type="checkbox"/> F		<input type="checkbox"/> Resource Concern?	<input type="checkbox"/> Client Objective?			
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land*	Classic gullies	Classic gullies are not present	<input type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads* • Pasture*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION - Subsidence	* Crop* • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION – Compaction	* Crop* • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture		Soil compaction is not a problem AND Activities do not cause soil compaction problems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input type="checkbox"/>	PCS – compaction element score ≥ 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range			<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	Assessment Level True not a concern, False is a resource concern		Tract/Land Unit with concern					
				<input type="checkbox"/> T	<input type="checkbox"/> F		<input type="checkbox"/> Resource Concern?	<input type="checkbox"/> Client Objective?			
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land*	Classic gullies	Classic gullies are not present	<input type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads* • Pasture*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION - Subsidence	* Crop • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION – Compaction	* Crop • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture • Range		Soil compaction is not a problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
			AND	Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	PCS – compaction element score ≥ 4 RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	Assessment Level True not a concern, False is a resource concern		Resource Concern?	Client Objective?	Tract/Land Unit with concern			
				<input type="checkbox"/> T	<input type="checkbox"/> F						
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/> T	<input type="checkbox"/> F	Site is stable and without visible signs of erosion	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/> T	<input type="checkbox"/> F	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land*	Classic gullies	Classic gullies are not present	<input type="checkbox"/> T	<input type="checkbox"/> F	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads* • Pasture*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/> T	<input type="checkbox"/> F	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SOIL QUALITY DEGRADATION - Subsidence	* Crop • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/> T	<input type="checkbox"/> F	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION – Compaction	* Crop • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture		Soil compaction is not a problem AND Activities do not cause soil compaction problems	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/> T	<input type="checkbox"/> F	PCS – compaction element score ≥ 4	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range			<input type="checkbox"/> T	<input type="checkbox"/> F	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/> T	<input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	

Identified Resource Concerns

Client: **Joe Farmer**

Location **T19N R21W Sec 13**

Land Units **Crop T1200 F1-4, HQ T1200 F5, Pasture T1200 F6-10, Forest T1200 F11,12**

Required Optional Not Applicable

Resource Concern	Enter Y (yes) or N (no) for each applicable land use to show presence or absence of Concern.									
	✓ Crop	✓ Pasture	Range	✓ Forest	✓ Farmstead	Assoc Ag Land	Designated Protected Area	Developed Land	Water	Other Rural Land
SOIL EROSION - Sheet & rill erosion	Y									
SOIL EROSION - Wind erosion	N									
SOIL EROSION – Concentrated flow erosion, ephemeral gullies	Y									
SOIL EROSION – Concentrated flow erosion, classic gullies	N									
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	Y									
SOIL QUALITY DEGRADATION - Subsidence	N									
SOIL QUALITY DEGRADATION – Compaction	Y									

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern	
SOIL EROSION Sheet, rill, & wind erosion	<ul style="list-style-type: none"> Crop* • Developed Land* Farmsteads* Associated Ag Land* Designated Protected Area* Other Rural Land* Pasture* 	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Forest*	Sheet & Rill	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Range*	Sheet & Rill	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind		<input type="checkbox"/>	<input type="checkbox"/>	OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<ul style="list-style-type: none"> Forest* • Farmsteads* Pasture* • Range* Developed Land* Associated Ag Land* Designated Protected Area* Other Rural Land* 	Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Excessive bank erosion from streams shorelines or water conveyance channels	<ul style="list-style-type: none"> Crop* • Forest Range* • Developed Land* Associated Ag Land* Designated Protected Area* Water* • Other Rural Land* Farmsteads* Pasture* 		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SOIL QUALITY DEGRADATION - Subsidence	<ul style="list-style-type: none"> Crop Forest Associated Ag Land Designated Protected Area Pasture 		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION – Compaction	<ul style="list-style-type: none"> Crop • Forest Associated Ag Land Designated Protected Area Other Rural Land Pasture 		Soil compaction is not a problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4
			AND	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCS – compaction element score ≥ 4 <i>PCS Compaction =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10
	Range	Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern	
SOIL EROSION - Sheet, rill, & wind erosion	• Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
		Wind		<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> C	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	• Forest*	Sheet & Rill	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	• Range*	Sheet & Rill	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind		OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	• Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	• Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land*	Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SOIL EROSION - Excessive bank erosion from streams shorelines or water conveyance channels	• Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads* • Pasture*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
				<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10	
SOIL QUALITY DEGRADATION - Subsidence	• Crop • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SOIL QUALITY DEGRADATION - Compaction	• Crop • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture		Soil compaction is not a problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
			AND	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCS - compaction element score ≥ 4 <i>PCS Compaction =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 6-10	
	• Range		Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* * Farmsteads* * Associated Ag Land* * Designated Protected Area* * Other Rural Land* * Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest* • Farmsteads* * Pasture* • Range* * Developed Land* * Associated Ag Land* * Designated Protected Area* * Other Rural Land*	Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION- Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest * Range* • Developed Land* * Associated Ag Land* * Designated Protected Area* * Water* • Other Rural Land* * Farmsteads*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
	* Pasture*			<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10
SOIL QUALITY DEGRADATION - Subsidence	* Crop * Forest * Associated Ag Land * Designated Protected Area * Pasture		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION - Compaction	* Crop • Forest * Associated Ag Land * Designated Protected Area * Other Rural Land		Soil compaction is not a problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
	* Pasture		AND	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCS - compaction element score ≥ 4 <i>PCS Compaction =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 6-10
	* Range		Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* * Farmsteads* * Associated Ag Land* * Designated Protected Area* * Other Rural Land* * Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest* * Range*	Sheet & Rill	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest* • Farmsteads* * Pasture* • Range* * Developed Land* * Associated Ag Land* * Designated Protected Area* * Other Rural Land*	Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest * Range* • Developed Land* * Associated Ag Land* * Designated Protected Area* * Water* • Other Rural Land* * Farmsteads* * Pasture*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10
SOIL QUALITY DEGRADATION - Subsidence	* Crop * Forest * Associated Ag Land * Designated Protected Area * Pasture		Histosol soils are not present OR Histosols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION – Compaction	* Crop • Forest * Associated Ag Land * Designated Protected Area * Other Rural Land * Pasture		Soil compaction is not a problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
			AND	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCS – compaction element score ≥ 4 <i>PCS Compaction = 3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 6-10
	* Range		Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

	1	2	3	4	5
Streambank or shoreline	Banks mostly bare and sloughing. No native streambank or shoreline vegetation remaining.	Banks are heavily grazed and trampled all over. Many are actively eroding laterally. Little native streambank or shoreline vegetation. Bank sloughing common.	Banks are close grazed, but few are unstable. Some native streambank or shoreline vegetation remaining. Livestock enter only at specific points, but use heavy. Remote alternative water site present.	Banks are grazed but stable. Mix of pasture plants and native water's edge species. Muddy livestock stream crossing(s) or pond entrance(s) not used heavily. Alternative water sites present.	Banks ungrazed or grazed infrequently. Abundant streambank or shore loving vegetation. Gravelly or constructed stable livestock stream crossing(s) or watering ramp(s). Or, alternative water sources present and close-by.

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input type="checkbox"/> T	<input type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input type="checkbox"/> T	<input type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	<ul style="list-style-type: none"> • Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture* 	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> C	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	<ul style="list-style-type: none"> • Crop* • Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* 	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION- Excessive bank erosion from streams shorelines or water conveyance channels	<ul style="list-style-type: none"> • Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads* • Pasture* 	Classic gullies	Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10
SOIL QUALITY DEGRADATION - Subsidence	<ul style="list-style-type: none"> • Crop • Forest • Associated Ag Land • Designated Protected Area • Pasture 		Histisol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION - Compaction	<ul style="list-style-type: none"> • Crop • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture 		Soil compaction is not a problem AND Activities do not cause soil compaction problems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCS - compaction element score ≥ 4 <i>PCS Compaction =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 6-10
	• Range			<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	• Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Forest*	Sheet & Rill	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Range*	Sheet & Rill	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind		<input type="checkbox"/>		<input type="checkbox"/>	OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SOIL EROSION - Concentrated flow erosion	• Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Excessive bank erosion from streams shorelines or water conveyance channels	• Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land*	Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
SOIL QUALITY DEGRADATION - Subsidence	• Crop • Forest • Associated Ag Land • Designated Protected Area • Pasture	Histisol soils are not present OR Histisols soils are not exhibiting subsidence		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10
SOIL QUALITY DEGRADATION - Compaction	• Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture	Soil compaction is not a problem	AND	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCS - compaction element score ≥ 4 <i>PCS Compaction =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 6-10
	• Range	Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Resource Concern?	Client Objective?	Tract/Land Unit with concern	
				T	F		T	F				
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* • Developed Land* * Farmsteads* * Associated Ag Land* * Designated Protected Area* * Other Rural Land* * Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
		Wind		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	* Range*	Sheet & Rill	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind		<input type="checkbox"/>	<input type="checkbox"/>	OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	* Forest* • Farmsteads* * Pasture* • Range* * Developed Land* * Associated Ag Land* * Designated Protected Area* * Other Rural Land*	Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SOIL EROSION- Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* • Forest * Range* • Developed Land* * Associated Ag Land* * Designated Protected Area* * Water* • Other Rural Land* * Farmsteads*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition = 3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
	* Pasture*			<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10	
SOIL QUALITY DEGRADATION - Subsidence	* Crop * Forest * Associated Ag Land * Designated Protected Area * Pasture		Histosol soils are not present OR Histosols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SOIL QUALITY DEGRADATION – Compaction	* Crop • Forest * Associated Ag Land * Designated Protected Area * Other Rural Land		Soil compaction is not a problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
	* Pasture		AND	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CS – compaction element score ≥ 4 <i>PCS Compaction = 3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 6-10	
	* Range		Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input type="checkbox"/> T <input type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> Resource Concern?	<input type="checkbox"/> Client Objective?	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	* Crop* * Developed Land* * Farmsteads* * Associated Ag Land* * Designated Protected Area* * Other Rural Land* * Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	* Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	* Forest* * Farmsteads* * Pasture* * Range* * Developed Land* * Associated Ag Land* * Designated Protected Area* * Other Rural Land*	Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION- Excessive bank erosion from streams shorelines or water conveyance channels	* Crop* * Forest * Range* * Developed Land* * Associated Ag Land* * Designated Protected Area* * Water* * Other Rural Land* * Farmsteads* * Pasture*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND if bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score >=5 <i>SVAP2 bank condition = 3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 <i>PCS Streambank = 3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 6-10
SOIL QUALITY DEGRADATION - Subsidence	* Crop * Forest * Associated Ag Land * Designated Protected Area * Pasture		Histosol soils are not present OR Histisols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION - Compaction	* Crop * Forest * Associated Ag Land * Designated Protected Area * Other Rural Land * Pasture		Soil compaction is not a problem	<input type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
			AND	<input checked="" type="checkbox"/>	PCS - compaction element score ≥ 4 <i>PCS Compaction = 3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 6-10
	* Range	Activities do not cause soil compaction problems	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Pasture Condition Score Sheet

Indicator	1	2	Score 3	4	5
Livestock concentration areas	Cover >10% of the pasture; or all convey contaminated runoff directly into water channels.	Livestock conc. areas and trails cover 5–10% of pasture; most close to water channels and drain into them unbuffered.	Isolated livestock conc. areas and trails <5% of area; one close to water channel and drains into it unbuffered.	Some livestock trails and one or two small concentration areas. Buffer areas between them and water channels.	No presence of livestock concentration areas or heavy use areas sited or treated to minimize contaminated runoff.
Soil compaction	Infiltration capacity and surface runoff severely affected by heavy compaction. Excessive livestock traffic killing plants over wide areas. Very hard to push probe into soil without damaging the probe.	Infiltration capacity lowered and surface runoff increased due to large areas of bare ground and dense compaction layer at surface. Livestock trails common throughout. Off-trail hoof prints common. Hard to push probe past compacted layers.	Infiltration capacity lowered and surface runoff increased due to plant cover loss and soil compaction by livestock hooves. Soil resistant to soil probe entry at one or more depths within plow depth.	Infiltration capacity lowered and surface runoff increased due to reduced vegetal cover/retardance. Probe enters soil easily except at rocks. Scattered signs of livestock trails and hoof prints, confined to lanes or small, wet areas.	Infiltration capacity and surface runoff are equal to that expected for an ungrazed meadow; not affected by livestock traffic.

Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	Resource Concern?	Client Objective?	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	• Crop* • Developed Land* • Farmsteads* • Associated Ag Land* • Designated Protected Area* • Other Rural Land* • Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate ≤ T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate ≤ T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION – Concentrated flow erosion	• Crop*	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	• Forest* • Farmsteads* • Pasture* • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Other Rural Land*	Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	• Crop* • Forest • Range* • Developed Land* • Associated Ag Land* • Designated Protected Area* • Water* • Other Rural Land* • Farmsteads*		Streams, shoreline or channels are not on or adjacent to site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes AND If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes AND For streambanks; SVAP2 bank condition element score ≥ 5 <i>SVAP2 bank condition = 3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
	• Pasture*			<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10
SOIL QUALITY DEGRADATION - Subsidence	• Crop • Forest • Associated Ag Land • Designated Protected Area • Pasture		Histosol soils are not present OR Histosols soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL QUALITY DEGRADATION – Compaction	• Crop • Forest • Associated Ag Land • Designated Protected Area • Other Rural Land • Pasture		Soil compaction is not a problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
			AND PCS – compaction element score ≥ 4 <i>PCS Compaction = 3</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 6-10	
	• Range	Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Identified Resource Concerns

Client: Joe Farmer

Location T19N R21W Sec 13

Land Units Crop T1200 F1-4, HQ T1200 F5, Pasture T1200 F6-10, Forest T1200 F11,12

Required Optional Not Applicable

Resource Concern	Enter Y (yes) or N (no) for each applicable land use to show presence or absence of Concern.									
	Crop	Pasture	Range	Forest	Farmstead	Assoc Ag Land	Designated Protected Area	Developed Land	Water	Other Rural Land
SOIL EROSION - Sheet & rill erosion	Y	N								
SOIL EROSION - Wind erosion	N	N								
SOIL EROSION – Concentrated flow erosion, ephemeral gullies	Y									
SOIL EROSION – Concentrated flow erosion, classic gullies	N	N								
SOIL EROSION– Excessive bank erosion from streams shorelines or water conveyance channels	Y	O								
SOIL QUALITY DEGRADATION - Subsidence	N	N								
SOIL QUALITY DEGRADATION – Compaction	Y	Y								

Questions