

United States Department of Agriculture  
Natural Resources Conservation Service

USDA NRCS

## Identifying Resource Concerns: Which concerns are really legitimate?

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Hello, Good Morning or Afternoon depending on your time zone! I'm Johnny Chism, Area Resource Conservationist in Harrison Arkansas.

Some of you may be wondering why I was asked to conduct this webinar. I have been an instructor with the National Conservation Boot Camp for several years. About 4 years ago, I was introduced to the Resource Concern checklists in Boot Camp. I thought that they were such a good tool to make determining resource concerns more consistent and they would be a good tool for training new planners, I took copies back to our state where we adapted them for Arkansas and have been using them since. Our checklists are based on land use where there is one checklist for each land use as most states currently use. Later on, I learned that the checklists were provided to all states and many states have adapted and used them.

It has always surprised me when I teach this lesson in Boot Camp to participants from all over the Nation, how few of our new planners are actually aware of the checklists, even though most states have them. And I have wondered if planners in other states are aware of them and are using them.

Late last year in meetings to update the Boot Camp curriculum, Arlen Ricke, Kristie McKinley and myself thought it would be a good idea to somehow make the information available Nationally so that more planners might be aware of the availability of the form. During that process to develop a National form, we decided to make the form more closely match FOTG Section III Planning Criteria and to combine all land uses on one form, so that a planner would not have to take multiple versions of the form to the field to conduct

Resource Inventories, we also added a place to document if the concern was a client objective and included a summary page where the planner could quickly see all identified concerns.

This webinar will introduce you to this form and the method to use it. Hopefully, this process will allow planners to consistently and legitimately identify resource concerns in their plans. Regardless of whether or not you use the form, if planners are properly trained on the planning criteria in FOTG Section III, and use that information to inventory resources, the resource concerns that they identify will be consistent and legitimate. But the form is such a good training tool, I encourage all planners to use it.

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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

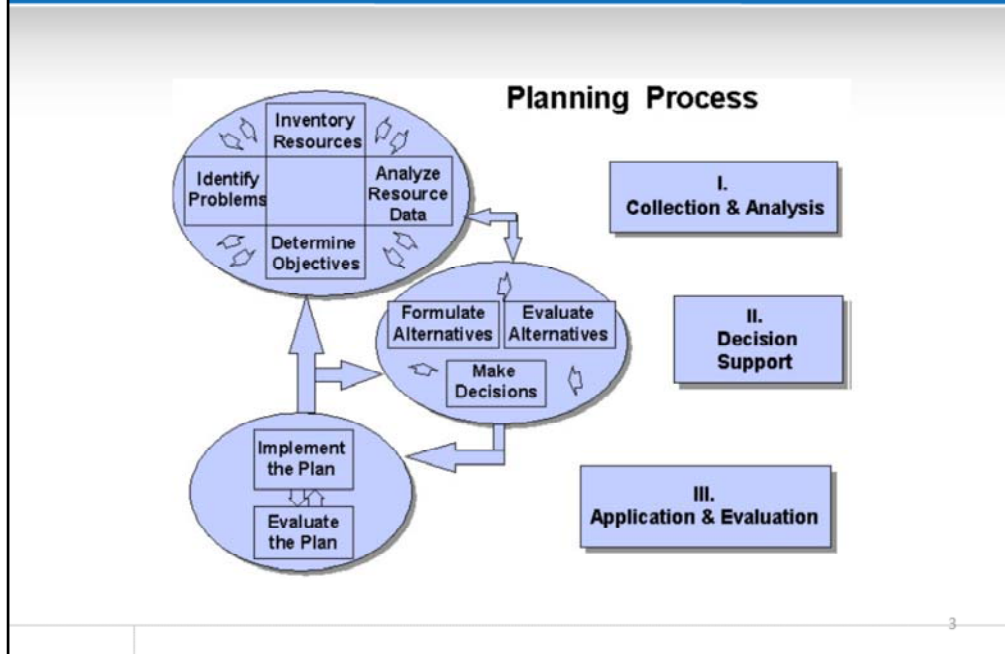
**Background.** Resource concern checklists were developed several years ago to be incorporated into the CDSI software framework. The checklists guide conservation planners through the assessment process of determining relevant resource concerns to be addressed through conservation plans. Though this 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](mailto:arlen.ricke@wdc.usda.gov).

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A national Bulletin was recently released to make the new checklist available. I am going to turn the presentation over to Arlen to discuss the bulletin.



Inventorying Resources and Identifying resource concerns is one of the first steps in the Conservation Planning Process. In my experience in the past, determining resource concerns was more of a “Beauty is in the eye of the beholder” method. If several conservationists went to the same field, they would come up with several different resource concerns based on their individual judgement, training and biases. These inconsistencies in identifying Resource concerns may have been due to lack of training in the proper method for determining those concerns and probably varied by state and often field office.

At the end of this lesson you will be able to:

Understand the criteria that NRCS uses to evaluate natural resource conditions in the field and document the resource concerns for conservation planning purposes.

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



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Determining the natural resource issues that a participant has on their land can be challenging.

How do we decide what resources we will be working with on a piece of land? Does the landowner call us and say "I've heard that NRCS can help me with a fences. Or..."my cows don't have enough water, can you help dig a well?"

Many times you get only pieces of the story or symptoms of the problem. Many times the producer may tell you what he needs or wants such as: "I need a pond". The producer has diagnosed his own problem, which would be similar to you calling your doctor and saying "I'm having serious pain, I need a prescription for oxycodone"

Sometimes we as planners fall into the trap of letting the producer determine his own solution. If he asks for an EQIP contract with fences, we give him what he wants and then determine the resource concerns that would justify planning fences.

In many cases we have the planning process backwards, we first create an alternative and then we identify resource concerns instead of the other way around.

Your doctor would not give you a prescription without seeing you and determining the best treatment for you. In some cases your doctor might find more serious problems than what you wanted a prescription for, if you were having serious pain,

he would probably want to find the cause instead of just giving you something for the symptoms. We as planners should use a similar process for diagnosing the resource concerns for the producer.

Over the years this process for determining the natural resource issues has evolved into a set of Resource concerns that are standard throughout the agency nationwide and helps us to treat the problems found.

## 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.



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The National Planning Procedures Handbook describes Resource Concerns as 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.” This was known in the past as SWAPA- Soil-Water-Air-Plants-Animals. The Human concern (H) was added sometime later; (Human includes economic and social issues) Recently we have added Energy to this list. These major Resources were divided into 79 Resource Concerns at that time.

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	
	Streambank	Conveyance channels	
	Mass Movement	WATER QUALITY DEGRADATION – Excessive Sediment in surface waters.	
	Road, Road Sides and Construction Sites	SOIL EROSION (Sheet and Rill, Ephemeral, Gully) and WATER QUANTITY - Inefficient Use of Irrigation Water	
Irrigation-induced			
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	WATER QUALITY DEGRADATION – Pesticides transported to surface and ground waters.	
	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		

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When the CDSI or Conservation Delivery Streamlining Initiative for NRCS came about, it was decided that we needed to fine-tune our Resource Concerns and many overlapped, so several were combined and/or removed. Currently there are 31 Major concerns with 44 Component Resource Concerns used to evaluate and identify natural resource problems; for example the Major concern of Soil Erosion-Sheet, Rill and Wind Erosion is broken into the components of Sheet and Rill erosion and Wind Erosion. And the Major concern of Soil Erosion-Concentrated Flow Erosion is broken into the components of Ephemeral Gully erosion and Classic Gully erosion.

## 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

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Another change with CDSI was the change in FOTG Section III from subjective Quality Criteria to Planning Criteria with better defined and less subjective criteria. The new Planning Criteria was sent out by National bulletin in 2011 and was added to all states FOTG. The Planning Criteria included screening and assessment questions to streamline the process of identifying Resource Concerns. Resource Concern Checklists were developed directly from the Planning criteria. Some States developed their own State Specific checklists. If your state does not have their own checklists, you can use this Nationally developed checklist in your planning.

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"old" Quality Criteria	National and State Resource Concern		
	Natural Resource Concern	Description of Concern	National Quality Criteria
	Water Quality 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.	WATER Nutrients and organics are stored, handled, disposed of, and managed such that surface water uses are not adversely affected.
"new" Planning Criteria	Resource Concern * required response	Screening Questions TRUE = Met Screening (Not a RC) FALSE = Go to Assessment	Assessment Tools
	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
	WATER QUALITY DEGRADATION: Excess nutrients in groundwater*		-Client input / planner observation -Nutrient budget
			Assessment Level Required to Meet Planning Criteria TRUE = Meets Planning Criteria FALSE = Identified Resource Concern
			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
			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

## Comparison of QC vs PC

If we compare the old Quality Criteria for Excessive Nutrients and Organics in Surface Water to the new Planning Criteria for Water Quality Degradation Excess Nutrients in Surface Water. Notice how the planning criteria is better defined and less subjective.

If you look at the old Quality criteria: "Nutrients and organics are stored, handled, disposed of, and managed such that surface water uses are not adversely affected." It is no wonder that several conservationists would have different ideas on whether the concern was present or not.

In the new Planning criteria, "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"

The determination of whether or not the criteria is met is less subjective and the end results from different planners should be more consistent. Granted, there is still some room for interpretation in the planning criteria (as there should be) and not all planners will agree on every concern but the criteria should be interpreted more consistently than in the past.

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### 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 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"/>	<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	<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"/>	

Suppose you were not feeling well today and went for a Doctor's appointment. What does the Doctor do to determine your condition and give you a diagnosis? Does the Doctor look at you and immediately write a prescription, or maybe schedule exploratory surgery?

Typically the Doctor would ask you what symptoms you have and ask you a series of questions relating to what you tell about your condition. This would narrow the potential problem and allow for a more complete diagnosis and treatment.

Just like the Doctor who evaluated our health symptoms, we as Conservationists begin the planning process assisting land users is to identify and evaluate their resource concerns. To help streamline the process the checklists use a series of screening and assessment questions to determine if a resource concern is present. Our doctor may also use screening questions and assessment tools to determine if we have any health concerns. For example if you go to the doctor for a checkup, he may ask you some simple "screening" questions such as do you exercise, do you smoke, are you overweight? Depending on the answers to those questions he may order other "assessment" tests such as Blood Cholesterol, Triglycerides, EKG, etc. The doctor does not routinely order time consuming test that may not be needed. As Planners, we may not need to run time consuming tests such as RUSLE2 if the permanent ground cover is greater than 90% and the slope is less than 10% to determine whether a soil erosion concern is present.

For example: in the past if a planner went out to a fescue pasture that was 98% ground cover and 1% slope, the only way to document that there was not a soil erosion concern was to run RUSLE2 even though they knew that there was not a concern. Now, they can use the screening question to document that the concern is not present without having to take the time to run RUSLE2.

The Resource Concerns Checklists are set up with screening and assessment questions to help the planner save time without having to run time consuming Assessment tools that are not needed.

On the checklist Note that:

- If the Screening question is True the resource concern is not present and no further assessment will have to be done.
- If the screening question is False, the planner should proceed to the assessment question. If the assessment question is True, the resource concern is not present. If the assessment question is False the Resource Concern is present.
- If there is no screening question, the planner should go directly to the assessment Question.

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### 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 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	Water erosion rate ≤ T	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind	Permanent ground cover > 90% and slope < 10%	<input type="checkbox"/>	<input type="checkbox"/>	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 OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

In some Cases, the producer may identify a concern that is important to him. For example, he may have enough Watering Facilities to address a concern for his livestock but wants to improve those facilities and go above and beyond what is required to meet planning criteria, in effect it is a client objective to improve his Livestock production by improving water availability. Or maybe even though the Soil Erosion is less than T the producer wants to do better, we should consider that concern in the planning process. The last column gives the planner a place to record that the resource concern is an objective that is important to the producer and should be considered in the planning process whether or not the concern meets planning criteria.

In other words, Is a resource concern? No. Is it a client objective? Yes, so the planner should consider it in the planning process and develop alternatives that include practices that would have positive effects toward that objective.

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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
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	• Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture*		Permanent ground cover > 90% and slope < 10% <b>True</b> <b>AND</b> Classic gullies are not present <b>True</b> <b>AND</b> Streams or shoreline are not on or adjacent to site <b>True</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	• Forest*		There are no untreated sources of erosion <b>AND</b> Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	• Range*			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	• All		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment <b>OR</b> Water course temperature is not a client concern	<input type="checkbox"/>	<input type="checkbox"/>

Some questions have multiple parts linked by AND or OR;  
On questions that have AND

- All AND Statements must be true for the question to be true

Let's look at a couple of examples, In the first example, all questions are true, so the entire statement is true, (Read each statement)

The permanent ground cover is more than 90% at all times and the slope is less than 10%, so the first statement is True.

There are no classic gullies, so the second statement is true.

And there is not a stream or shoreline on or adjacent to the site, so the last statement is true.

Since all three statements are true the entire Question is True.

So the planner would not need to evaluate the Assessment question and the resource concern is not present.

United States Department of Agriculture Natural Resources Conservation Service		USDA NRCS			
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
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	• Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture*		Permanent ground cover > 90% and slope < 10% <b>True</b> <b>AND</b> Classic gullies are not present <b>True</b> <b>AND</b> Streams or shoreline are not on or adjacent to site <b>False</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	• Forest*		There are no untreated sources of erosion <b>AND</b> Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	• Range*			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	• All		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment <b>OR</b> Water course temperature is not a client concern	<input type="checkbox"/>	<input type="checkbox"/>

In the second example one question is false, so the entire statement is False. The permanent ground cover is more than 90% at all times and the slope is less than 10%, so the first statement is True. There are no classic gullies, so the second statement is true. However there is a stream adjacent to the site, so the last statement is false. Since one of the statements is false the entire Question is False, and the planner would need to proceed to the assessment question.

United States Department of Agriculture Natural Resources Conservation Service		USDA NRCS			
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
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	• Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture*		Permanent ground cover > 90% and slope < 10% <b>AND</b> Classic gullies are not present <b>AND</b> Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	• Forest*		There are no untreated sources of erosion <b>AND</b> Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	• Range*			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	• All		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment <b>True</b> <b>OR</b> Water course temperature is not a client concern <b>True</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

On questions that have OR

- Only one OR Statement must be true for the question to be true

Let's look at a some examples, In the first example, both questions are true, so the entire statement is true,

Water courses are not designated as temperature impaired so the first statement is true and the client is not concerned about water course temperature so the second statement is True. Therefore the entire screening question is True and the planner would not need to evaluate the Assessment question and the resource concern is not present.

United States Department of Agriculture Natural Resources Conservation Service		USDA NRCS			
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
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	• Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture*		Permanent ground cover > 90% and slope < 10% <b>AND</b> Classic gullies are not present <b>AND</b> Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	• Forest*		There are no untreated sources of erosion <b>AND</b> Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	• Range*			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	• All		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment <b>True</b> <b>OR</b> Water course temperature is not a client concern <b>False</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Remember on questions that have OR

- Only one OR Statement must be true for the question to be true

In the second example one question is true and one is false, however because of the OR statement the entire statement is still true.

Water courses are not designated as temperature impaired so the first statement is true but the client is concerned about water course temperature so the second statement is False. Even though the client is concerned about the Water course temperature the entire screening question is True and the planner would not need to evaluate the Assessment question and the resource concern is not present.

However since the client is concerned about the Water Course temperature, the Concern should be identified as a client objective even though it will not be marked as a resource concern and the planner should consider the objective when developing alternatives for the decision maker.

United States Department of Agriculture Natural Resources Conservation Service		USDA NRCS			
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
WATER QUALITY DEGRADATION – Excessive sediment in surface waters	• Crop* • Developed Land* • Farmsteads* • Other Rural Land • Associated Ag Land • Designated Protected Area • Water • Pasture*		Permanent ground cover > 90% and slope < 10% <b>AND</b> Classic gullies are not present <b>AND</b> Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	• Forest*		There are no untreated sources of erosion <b>AND</b> Streams or shoreline are not on or adjacent to site	<input type="checkbox"/>	<input type="checkbox"/>
	• Range*			<input type="checkbox"/>	<input type="checkbox"/>
WATER QUALITY DEGRADATION – Elevated water temperature	• All		Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment <b>False</b> <b>OR</b> Water course temperature is not a client concern <b>False</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

In order for the entire statement to be false both statements linked with the OR must be false.

In the third example both questions are false, so the entire question is false.

Water courses are designated as temperature impaired so the first statement is false and the client is concerned about water course temperature so the second statement is False. The entire screening question is False and the planner would need to evaluate the Assessment question to determine if the resource concern is present.

Please Note: that on any of screening questions, if the planner is not sure how they should answer the question, it is recommended that they answer false and proceed to the assessment. In other words “ if you are not sure, go to the assessment”.

The screening questions are designed to save time, not take more time in deliberating how to answer the question, so if there is any doubt it is ok to answer False and go to the assessment.

## 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)

Note on the form that some Resource Concerns are required to be evaluated on particular land uses. Some concerns are optional and some are not applicable. These were identified for screening and assessment in Conservation Desktop to assure that important concerns are evaluated, while still streamlining the process of evaluating resource concerns.

- 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*
	• Farmstead* • 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

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For example, soil erosion, sheet, rill and wind erosion is an important and common resource concern which is required to be evaluated on all land uses except for the Water land use. It is Not Applicable to the Water land use because erosion is not a concern on water therefore, the Water land use is not listed.

The soil quality degradation compaction concern is optional for most land uses (which are listed without an asterisk) and is not applicable for Developed land, farmsteads and water land use (which are not listed).

Optional concerns should be evaluated and used for developing alternatives if present, but may not be required in Conservation Desktop to streamline the planning process.

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## Summary page

Required   
  Optional   
  Not Applicable

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

Resource Concern	Crop	Pasture	Range	Forest	Farmstead	Along Aq Land	Designated Protected Areas	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										

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The last page or summary page of the checklist is a place for the planner to check off on Resource concerns for each land use. It also will show the required, optional or Not applicable status for each concern for each land use.

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## 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

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The checklist can make determining resource concerns more consistent but can also help in documenting present and future conditions on the environmental evaluation as well as help in developing alternatives.

The planner would follow these steps:

- The planner should first, determine Resource Concerns (RC) on the planning unit, this step usually would have 2 parts:
  - The first part is the screening in the field, where the planner should answer the screening questions and gather any information needed to run the Assessment tools such as RUSLE2.
  - The second part would be back in the office where the planner runs any applicable screening tool to make a final decision on whether the concern is present. Note that some of the assessment tools should be run in the field, such as SVAP2, Rangeland Health Assessment and Pasture Condition scoring.
- Then using the information from the Checklist, the planner should document the Benchmark Condition on the Environmental Evaluation (NRCS-CPA-52)
- Then the planner should use the identified RC's and their knowledge of practice effects or other tools such as the CPPE, a site specific practice effects worksheet, or the Conservation Practice effects network diagram to identify practices to solve the problems. From the identified practices, the planner should develop

alternatives for the decision maker's consideration

- At that point the planner should use the checklist and other tools such as the CPPE, a site specific practice effects worksheet, or the Conservation Practice effects network diagram to predict expected results of No Action and each alternative on the Environmental Evaluation by predicting expected effects of the alternatives.

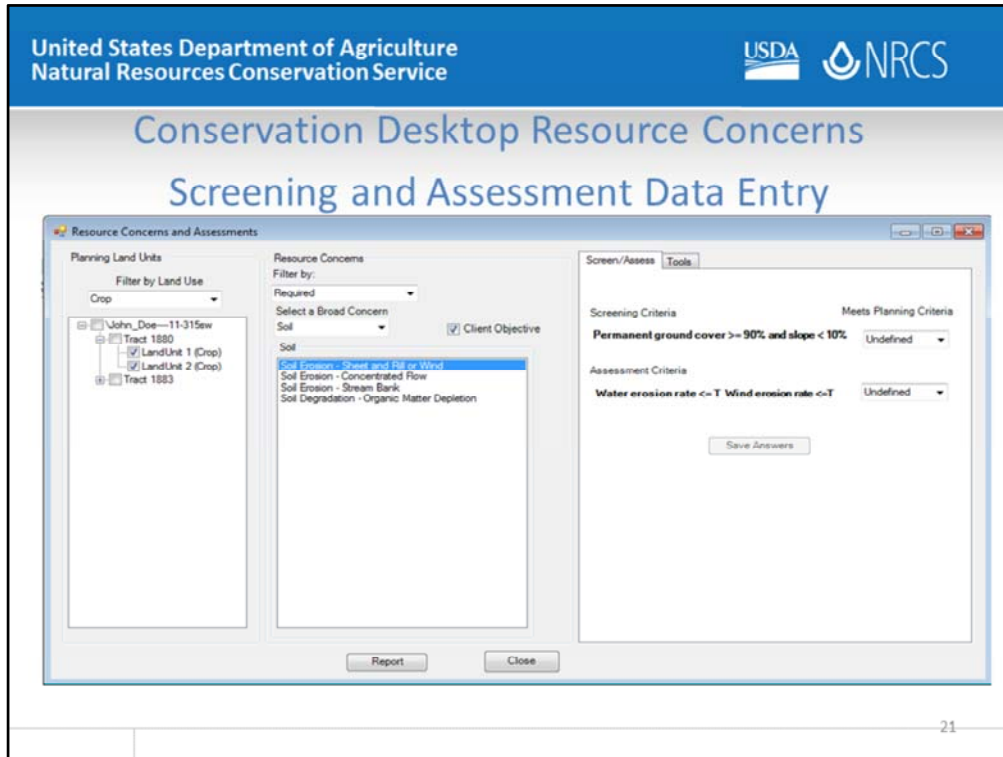


column that the bank condition will remain at 3 short term but will decrease over time and mark that the No Action alternative does not meet planning criteria.

Then the planner predicts that the Streambank and Shoreline Protection (580) practice included in the first alternative would cause the SVAP2 bank condition score to improve to 5, that information should be recorded in the column for the first alternative.

Then the planner predicts that the Streambank and Shoreline Protection (580) and Riparian Forest Buffer practices included in the second alternative would cause the SVAP2 bank condition score to improve to 7, that information should be recorded in the column for the second alternative.

The planner would not check the boxes that the Alternatives “do not meet PC” because in the planner’s estimation the Streambank Stabilization and Riparian Forest Buffer practices would have the effect of improving the SVAP2 bank condition to 5 or more and would meet planning criteria.



In addition to the benefits of more consistently identifying resource concerns and training of new planners, planners should become familiar with the process of using screening and assessment questions because:

The current plan is that in the future, Resource Concerns will be evaluated in Conservation Desktop. This module may possibly be added to Customer Service Toolkit prior to the release of Conservation Desktop. Resource concerns will be able to be assessed by Land Units, Land use, and Required concerns. The tools to assess concerns will be linked directly to the screening and assessment tool.

## Evaluate Schedule

Current Schedule  
Complan

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	Logroll Practice	CPPE	LifeSpan	PAC	Cost Effectiveness	FA Eligible
422	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

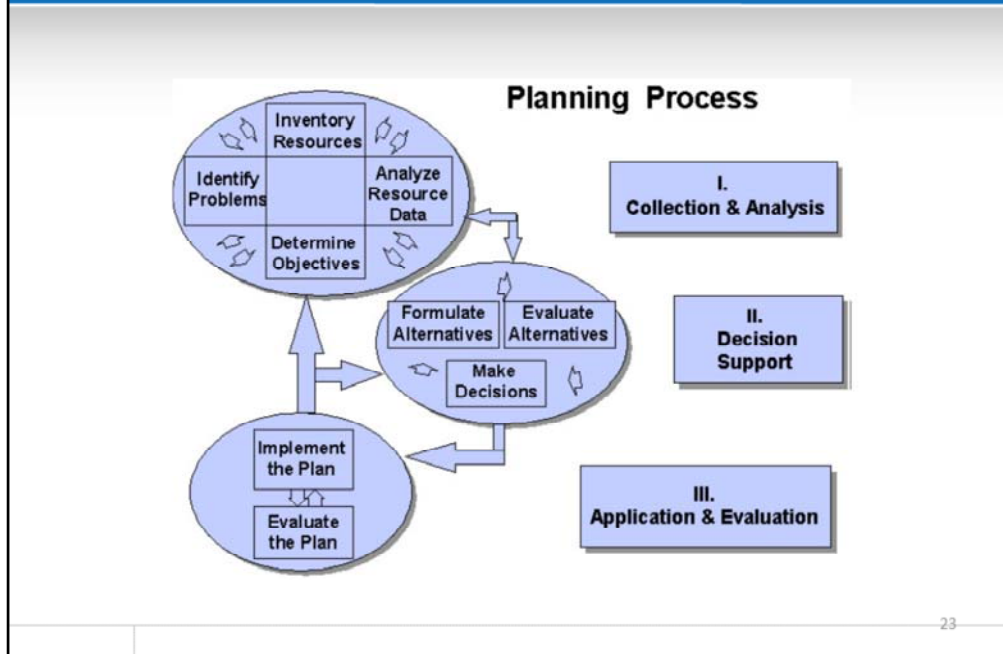
Land Use: Cropland | Identified Resource Concerns: Water Quality Degradation - Nutrients in Surface Water | FA Fund Code: Water Quality - Area 1, Zone 1 | Add Practice(s)

Practice	Job Sheet	CPPE	Select
340	340 Job Sheet	2	<input checked="" type="checkbox"/>
590	EQ01	5	<input checked="" type="checkbox"/>

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

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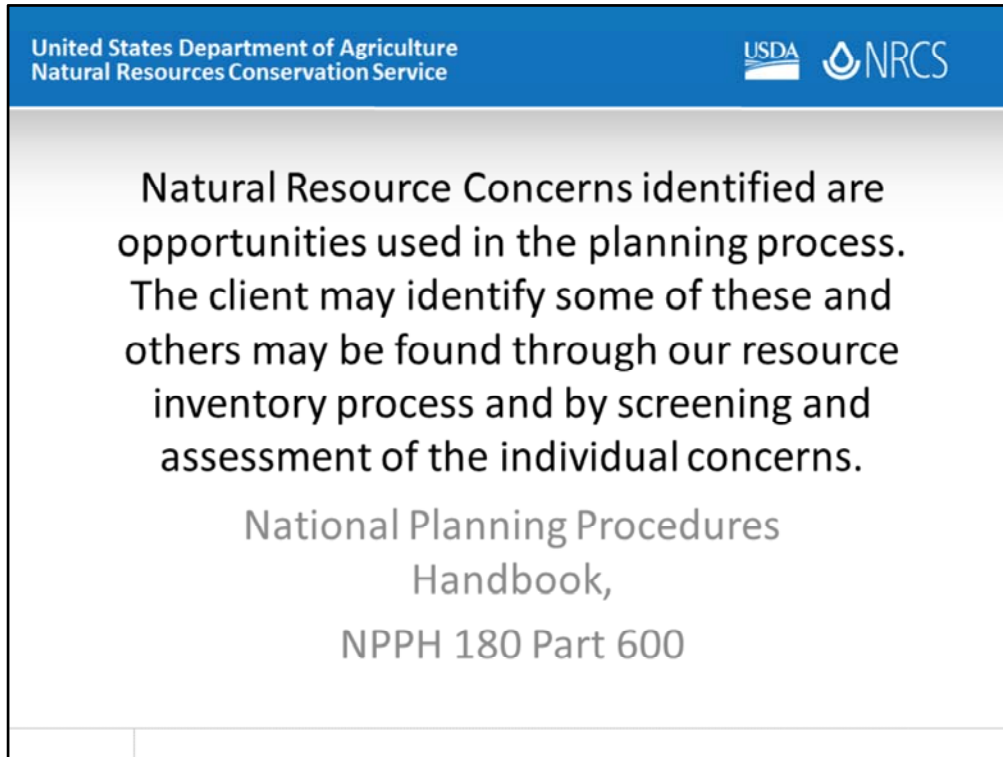
Once the Screening and Assessment is completed, by interfacing with the CPPE, Practices will be identified that address the concerns and the planner may add selected practices to an alternative for the producer.



The checklist can be a part in completing all four steps of Phase I, the collection and analysis phase, as a tool in helping to identify problems, inventory resources and analyze the resource data. If addressing a particular concern is a client objective, the checklist can also be a part of the determine objectives step.

Once the Collection and Analysis Phase is completed, the planner can move into Phase II, the decision support phase. Practices can be selected that address the concerns and the planner may add selected practices to an alternative for the producer as part of the continuation of the planning process by Formulating Alternatives. The checklist should also assist the planner in the Evaluate Alternatives step of Phase II, by giving the planner the criteria to determine if the alternative addresses the concern.

The checklists should also be used in Phase III, Step 9, to Evaluate the Plan, and see if the outcome turned out as we predicted and the client's objectives were met. I know we don't actually get around to that last step very often, but for planners that take the time to do it, it is a valuable learning opportunity and also promotes a continued working relationship with the landowner.



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.

The checklists can help us compare Resource Management System (RMS) plans to progressive planning. The first step in developing an RMS plan is to determine the resource concerns that are present. The client may choose to address some or all of the resource concerns identified. They may address some now, and others later, or they can choose to only address those that meet their current objectives. Do we just plan the practices the landowner wants (like writing the oxycodone prescription) or do we present alternatives to the decision maker that treat all the resource concerns?

Technical Assistance is key in identifying and assessing benchmark conditions, resource concerns and effects of current conditions. The NRCS objective in conservation planning is to help the client manage resources for sustained used and productivity while considering the Human elements: economic and social needs.

## Some Questions You may have:

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

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At this point you may have some questions such as:

Will the RC checklist be a required form?

Whether the form is required for all plans would be a decision for the individual state, but generally, No the form will not be required Nationally. However, the form is a great training tool, to train new planners on the process of identifying resource concerns. Even experienced planners could benefit from using the form on several plans to internalize the process of identifying concerns.

Will States be able to adapt the form?

Yes, and since some states' FOTG Section III planning criteria has been adapted for their individual situations, that state would probably need to adapt the form to fit their planning criteria.

We will answer your other questions at the end of the presentation.



Even though I am going to be demonstrating the use of the form electronically, keep in mind this checklist is probably best used in paper form on a clipboard with the planner in the field. Planners could make various notes as they proceed through completing the checklist, in the field. Generally, the screening questions and some of the assessment questions can be answered on site in the field. However, some of the assessment tools (such as RUSLE2) will have to be run in the office on the computer to answer the assessment question.

## 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.

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Here is the scenario I will use to demonstrate the form:

The planner is 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 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	* 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	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
	* Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 80%	<input type="checkbox"/>	<input type="checkbox"/>
	* Range*	Sheet & Rill Wind	Meets State established criteria.	<input type="checkbox"/>	<input type="checkbox"/>

Generally in the field, the planner will be evaluating Resource Concerns by land use, so we will start with the Cropland land use. For Sheet, Rill and Wind erosion the screening question asks if the permanent ground cover is greater than 90% and the slope is less than 10%. On cropland that is annually tilled, there is not 90% cover all of the time, so the screening question is false and we should proceed to the assessment question.

Assessment Level True not a concern, False is a resource concern	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/> Resource Concern?	<input type="checkbox"/> EJ Client Objective?	Tract/Land Unit with concern
Water erosion rate $\leq$ T RUSLE2 SL=6.6 t/ac T=5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
Wind erosion rate $\leq$ T WEPS SL=1.2 t/ac T=5	<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"/>	
RNA - 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"/>	

The assessment question is based on RUSLE2 for water erosion and WEPS for wind erosion. These may be tools that the planner would have to run after they return to the office. Once they tools are ran, the planner could document the results on the sheet and check the boxes on whether or not the concern is present. If the concern is present the planner could also document the particular fields with the concern. In this case, the soil loss exceeds T on water erosion, but does not on wind erosion. Therefore, there is a resource concern for water or sheet and rill erosion.

The planner should also list the land units where the concern is present.

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### 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	Farmed/	Assoc. Agr. Land	Designated Protected Area	Developed Land	Water	Other Rural Land
SOIL EROSION - Sheet & rill erosion	Y									
SOIL EROSION - Wind erosion	N									

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Once the decision is made on whether or not concerns are present, the planner could use the last page of the form as a summary of the concerns. In this case, the Sheet and Rill erosion concern is present but the wind erosion concern is not present on the cropland.





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"/> T	<input type="checkbox"/> F	<input type="checkbox"/> T	<input type="checkbox"/> F	Trust/Land Use with concern
SOIL EROSION - Sheet, rill, & wind erosion	*Crop* *Developed Land* *Forest* *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 $\leq T$ <b>RUSLE2 SL=6.6 t/ac T=5</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind				Wind erosion rate $\leq T$ <b>WEPS SL=1.2 t/ac T=5</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Sheet & Rill	Soil surface organic residue cover > 90%	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Sheet & Rill Wind	Meets State established criteria	<input type="checkbox"/>	<input type="checkbox"/>	Risk - soil site stability - slight to moderate or less OR Management Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	*Crop* *Forest* *Farmed* *Pasture* *Range* *Developers Land* *Associated Ag Land* *Designated Protected Area* *Farmhouse*	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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 any 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 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 any 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 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* *Farmhouse* *Pasture*		Streams, shorelines 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 $\geq 5$ <b>SVAP2 bank condition = 3</b> AND Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCI - streambank / shoreline erosion element score $\geq 4$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 1-4
							<input type="checkbox"/>	<input type="checkbox"/>	<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*		Historic soils are not present OR Historic soils are not exhibiting subsidence	<input type="checkbox"/>	<input checked="" 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"/>	
							<input type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 1-4
			Activities do not cause soil compaction problems	<input type="checkbox"/>	<input type="checkbox"/>	Risk - 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	

The planner should proceed to the next Resource concern. There is a stream present adjacent to the crop fields, so the screening question is false and the planner should proceed to the assessment question.



Element 3 Bank condition

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

<sup>1/</sup> Natural wood and rock does not mean riprap, gabions, log cribs, or other fabricated revetments.  
<sup>2/</sup> Bank failure refers to a section of streambank that collapses and falls into the stream, usually because of slope instability.

When the planner refers to the bank condition element of SVAP2, he determines that banks are unstable and there is excessive bank erosion and active bank failures and would score 3 on the bank condition element. Note that the planner does not have to complete and entire SVAP2 score but for this assessment would only have to evaluate the bank condition. So even though the planner may not be trained in the entire SVAP2 procedure they would only have to be trained on evaluating the Bank condition element for evaluating resource concerns.









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

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-Aq Land	Designated Practice 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									

Once all the concerns are identified, the planner should record the presence or absence of each concern on the cropland land units, by entering Y for yes or N for No on all the concerns.

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Resource Concern	Land Use Planned	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"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	Track Land Use with concern
SOIL EROSION Sheet, rill, & wind erosion	<ul style="list-style-type: none"> <li>- Crop - Developed Land*</li> <li>- Forestable*</li> <li>- Associated Ag Land*</li> <li>- Designated Protected Area*</li> <li>- Other Rural Land*</li> <li>- Pasture*</li> </ul>	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	Water erosion rate $\leq T$ $RUSLE2 SL=6.6 t/ac T=5$	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	1200 1-4
		Wind		<input checked="" type="checkbox"/> T <input type="checkbox"/> F	Wind erosion rate $\leq T$ $WEPS SL=1.2 t/ac T=5$	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	
		Forest*	Sheet & Rill Wind	Soil surface organic residue cover > 50%	<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"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F
SOIL EROSION - Concentrated flow erosion	<ul style="list-style-type: none"> <li>- Crop*</li> <li>- Forest*</li> <li>- Forestable*</li> <li>- Pasture*</li> <li>- Range*</li> <li>- Developed Land*</li> <li>- Associated Ag Land*</li> <li>- Designated Protected Area*</li> <li>- Other Rural Land*</li> <li>- Other Forest Land*</li> </ul>	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/> T <input type="checkbox"/> F	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	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 any offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	
		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 any offsite impacts are minimized by vegetation and/or structures	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	
SOIL EROSION - Excessive bank erosion from streams shorelines or water conveyance channels	<ul style="list-style-type: none"> <li>- Crop*</li> <li>- Forest*</li> <li>- Range*</li> <li>- Developed Land*</li> <li>- Associated Ag Land*</li> <li>- Designated Protected Area*</li> <li>- Forestable*</li> <li>- Pasture*</li> </ul>		Streams, shorelines or channels are not on or adjacent to site	<input type="checkbox"/> T <input 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 $\geq 4$ $SVAP2 \text{ bank condition} = 3$	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	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 $\geq 4$ $PCS \text{ Streambank} = 4$	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	1200 4-10
SOIL QUALITY DEGRADATION - Subsidence	<ul style="list-style-type: none"> <li>- Crop*</li> <li>- Forest*</li> <li>- Associated Ag Land*</li> <li>- Designated Protected Area*</li> <li>- Pasture*</li> </ul>		Historic soils are not present OR Historic 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"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> T <input type="checkbox"/> F	
SOIL QUALITY DEGRADATION - Compaction	<ul style="list-style-type: none"> <li>- Crop*</li> <li>- Forest*</li> <li>- Associated Ag Land*</li> <li>- Designated Protected Area*</li> <li>- Other Rural Land*</li> <li>- Pasture*</li> </ul>		Soil compaction is not a problem	<input type="checkbox"/> T <input type="checkbox"/> F	Compaction is managed to meet Client's production and management objectives	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	1200 1-4
			Activities do not cause soil compaction problems	<input type="checkbox"/> T <input type="checkbox"/> F	PCS - compaction element score $\geq 4$ $PCS \text{ Compaction} = 3$	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	1200 4-10

After all the concerns are identified for the cropland fields, the planner should proceed through other land uses on the planning unit. In this case the client also has pasture land units. The planner begins by evaluating the Soil Erosion, sheet, rill and wind erosion on the pasture. In this case the ground cover exceeds 95% at all times and the slope is less than 10%, so the planner would mark the screening question true and move to the next concern. Note that since the screening question is the same for crop and pasture, and the crop question was false and the pasture question is true, the planner would check the applicable answer for each land use and make a note that P is for the pasture answer and C is for the crop answer.

United States Department of Agriculture Natural Resources Conservation Service		USDA NRCS		Assessment Level		T		P		C		S		O		D	
Resource Concern	Land Use Ranges	Component	Screening True not a concern, False or no question go to assessment	<input type="checkbox"/> T <input type="checkbox"/> F	True not a concern, False is a resource concern	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> P <input type="checkbox"/> C	<input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> D	<input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> D	<input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> D	<input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> D	<input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> D	<input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> D	<input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> D	<input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> D	<input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> D	Track Land Use with concern
SOIL EROSION - Sheet, rill, & wind erosion	<ul style="list-style-type: none"> <li>Crop</li> <li>Developed Land</li> <li>Forest</li> <li>Associated Ag Land</li> <li>Designated Protected Area</li> <li>Other Rural Land</li> <li>Pasture</li> </ul>	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/> T	Water erosion rate $\leq T$ <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	1200 1-4
		Wind		Wind erosion rate $\leq T$ <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D		
		Sheet & Rill	Soil surface organic residue cover > 50%	<input checked="" type="checkbox"/> T	Site is stable and without visible signs of erosion	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	
		Wind	Meets State established criteria	<input checked="" type="checkbox"/> T	Risk - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	
SOIL EROSION - Concentrated Flow erosion	<ul style="list-style-type: none"> <li>Crop</li> <li>Developed Land</li> <li>Forest</li> <li>Associated Ag Land</li> <li>Designated Protected Area</li> <li>Other Rural Land</li> <li>Pasture</li> </ul>	Ephemeral gullies	Ephemeral gullies are not occurring	<input checked="" type="checkbox"/> T	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/> T	Classic gully management is adequate to stop the progression of head cutting and widening and any offsite impacts are minimized by vegetation and/or structures	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/> T	Classic gully management is adequate to stop the progression of head cutting and widening and any offsite impacts are minimized by vegetation and/or structures	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	
SOIL EROSION - Excessive bank erosion from streams shorelines or water conveyance channels	<ul style="list-style-type: none"> <li>Crop</li> <li>Developed Land</li> <li>Forest</li> <li>Associated Ag Land</li> <li>Designated Protected Area</li> <li>Other Rural Land</li> <li>Pasture</li> </ul>		Streams, shorelines or channels are not on or adjacent to site	<input checked="" type="checkbox"/> T	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 $\geq 4$ <i>SVAP2 bank condition = 3</i>	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	1200 1-4
			Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score $\geq 4$ <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D
SOIL QUALITY DEGRADATION - Subsidence	<ul style="list-style-type: none"> <li>Crop</li> <li>Forest</li> <li>Associated Ag Land</li> <li>Designated Protected Area</li> <li>Other Rural Land</li> <li>Pasture</li> </ul>		Historic soils are not present OR Historic soils are not exhibiting subsidence	<input checked="" type="checkbox"/> T	Subsidence is adequately managed to meet client's objectives	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	
SOIL QUALITY DEGRADATION - Compaction	<ul style="list-style-type: none"> <li>Crop</li> <li>Forest</li> <li>Associated Ag Land</li> <li>Designated Protected Area</li> <li>Other Rural Land</li> <li>Pasture</li> </ul>		Soil compaction is not a problem	<input checked="" type="checkbox"/> T	Compaction is managed to meet Client's production and management objectives	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	1200 1-4
			Activities do not cause soil compaction problems	<input checked="" type="checkbox"/> T	PCS - compaction element score $\geq 4$ <i>PCS Compaction = 3</i>	<input checked="" type="checkbox"/> T	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> D	1200 4-10

The planner would continue to Soil Erosion – Concentrated Flow erosion. Notice that the screening question for pasture and other land uses is different than cropland since ephemeral gullies only occur on cropland. In this case the planner determines that there are no gullies in the pasture, the screening question is true and the concern is not present on the pasture.

United States Department of Agriculture Natural Resources Conservation Service		USDA		NRCS							
Resource Concern	Land Use *Required	Component	Screening True not a concern, False or no question go to assessment	<input type="checkbox"/> Y <input type="checkbox"/> F	Assessment Level True not a concern, False is a resource concern	<input type="checkbox"/> Y <input type="checkbox"/> F	<input type="checkbox"/> P <input type="checkbox"/> C	<input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> T <input type="checkbox"/> W	Tract/Land Unit with concern	
SOIL EROSION: Sheet, rill, & wind erosion	<ul style="list-style-type: none"> <li>*Crip* - Developed Land*</li> <li>*Farmstead*</li> <li>*Associated Ag Land*</li> <li>*Designated Protected Area*</li> <li>*Other Rural Land*</li> <li>*Pasture*</li> <li>*Forest*</li> <li>*Range*</li> </ul>	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	Water erosion rate < T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4	
		Wind		<input checked="" type="checkbox"/>	Wind erosion rate < T <i>WEPS SL=1.2 t/ac T=5</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
		Sheet & Rill	Soil surface organic residue cover > 50%	<input type="checkbox"/>	Site is stable and without visible signs of erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Sheet & Rill		<input type="checkbox"/>	RNA - soil site stability - slight to moderate or less	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind	Meets State established criteria.	<input type="checkbox"/>	OR Regional Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated form erosion	<ul style="list-style-type: none"> <li>*Crip*</li> <li>*Forest*</li> <li>*Farmstead*</li> <li>*Pasture*</li> <li>*Range*</li> <li>*Developed Land*</li> <li>*Associated Ag Land*</li> <li>*Designated Protected Area*</li> <li>*Other Rural Land*</li> </ul>	Ephemeral gullies	Ephemeral gullies are not occurring	<input type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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"/>	<input type="checkbox"/>		
SOIL EROSION: Excessive bank erosion from streams shorelines or water conveyance channels	<ul style="list-style-type: none"> <li>*Crip*</li> <li>*Forest*</li> <li>*Range*</li> <li>*Developed Land*</li> <li>*Associated Ag Land*</li> <li>*Designated Protected Area*</li> <li>*Other Rural Land*</li> <li>*Farmstead*</li> <li>*Pasture*</li> </ul>		Streams, shoreline or channels are not on or adjacent to site	<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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4	
				<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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 4-10	
SOIL QUALITY DEGRADATION: Subsidence	<ul style="list-style-type: none"> <li>*Crip*</li> <li>*Forest*</li> <li>*Associated Ag Land*</li> <li>*Designated Protected Area*</li> <li>*Pasture*</li> </ul>		Historic soils are not present OR Historic 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"/>	<input type="checkbox"/>		
SOIL QUALITY DEGRADATION - Compaction	<ul style="list-style-type: none"> <li>*Crip*</li> <li>*Forest*</li> <li>*Associated Ag Land*</li> <li>*Designated Protected Area*</li> <li>*Other Rural Land*</li> <li>*Pasture*</li> <li>*Range*</li> </ul>		Soil compaction is not a problem	<input type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4	
			Activities do not cause soil compaction problems	<input type="checkbox"/>	OR RNA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input checked="" type="checkbox"/>	PCS - compaction element score > 4 <i>PCS Compaction =3</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10

The planner should proceed to Soil Erosion – excessive bank erosion. Since there is no screening question the planner should proceed directly to the assessment question.

United States Department of Agriculture Natural Resources Conservation Service		USDA		NRC									
Resource Concern	Land Use Reason	Component	Screening True not a concern, False or no question go to assessment	T	F	Assessment Level True not a concern, False is a resource concern	1-10	1-5	1-5	1-5	1-5	1-5	
SOIL EROSION - Sheet, rill, & wind erosion	<ul style="list-style-type: none"> <li>Cropland - Developed Land*</li> <li>Farmsteads*</li> <li>Associated Ag Land*</li> <li>Designated Protected Area*</li> <li>Other Rural Land*</li> <li>Pasture*</li> </ul>	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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Sheet & Rill	Soil surface organic residue cover > 50%	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Sheet & Rill	Meets State established criteria	<input type="checkbox"/>	<input type="checkbox"/>	RHA - soil site stability - slight to moderate or less OR Range/land Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Range*			<input type="checkbox"/>	<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	<ul style="list-style-type: none"> <li>Cropland*</li> <li>Farmsteads*</li> <li>Pasture*</li> <li>Range*</li> <li>Associated Ag Land*</li> <li>Designated Protected Area*</li> <li>Other Rural Land*</li> </ul>	Ephemeral gullies	Ephemeral gullies are not occurring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4	
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
SOIL EROSION - Excessive bank erosion from streams, shorelines or water conveyance channels	<ul style="list-style-type: none"> <li>Cropland*</li> <li>Forest*</li> <li>Range*</li> <li>Developed Land*</li> <li>Associated Ag Land*</li> <li>Designated Protected Area*</li> <li>Other Rural Land*</li> <li>Farmsteads*</li> <li>Pasture*</li> </ul>		Streams, shoreline or channels are not on or adjacent to site	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4	
				<input checked="" 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 2-4 <i>PCS Streambank = 4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1000 6-10
SOIL QUALITY DEGRADATION - Subsidence	<ul style="list-style-type: none"> <li>Cropland*</li> <li>Forest*</li> <li>Associated Ag Land*</li> <li>Designated Protected Area*</li> <li>Pasture*</li> </ul>		Historic soils are not present OR Historic soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
			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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4
SOIL QUALITY DEGRADATION - Compaction	<ul style="list-style-type: none"> <li>Cropland*</li> <li>Forest*</li> <li>Associated Ag Land*</li> <li>Designated Protected Area*</li> <li>Other Rural Land*</li> <li>Pasture*</li> <li>Range*</li> </ul>		Activities do not cause soil compaction problems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCS - compaction element score 2-4 <i>PCS Compaction =3</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10	
				<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	

For the assessment the planner determines that the bank erosion is commensurate with normal geomorphological processes, so the first statement is true. For the second statement, the planner must refer to the Pasture Condition Score streambank shoreline erosion element. Note that Cropland uses SVAP2 for the assessment and Pasture uses PCS for the assessment.

United States Department of Agriculture Natural Resources Conservation Service		USDA		NRCS	
Streambank or shoreline	1	2	3	4	5
	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.
					46

When the planner, refers to the pasture condition score, streambank or shoreline erosion element, he determines that the banks are grazed but stable and fits the description for a score of 4. Notice that the planner may not have to complete the entire pasture condition score sheet but only the streambank or shoreline erosion element, to assess this particular concern.

United States Department of Agriculture Natural Resources Conservation Service		USDA NRCS							
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	IS Revised (Concern?)	IS Client (Observed?)	Tract/Land Unit with concern
SOIL EROSION - Sheet, rill, & wind erosion	*Cropland * Developed Land* * Farmland* * Associated Ag Land* * Designated Protected Area* * Other Rural Land* * Pasture*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	Water erosion rate ≤ T RUSLE2 SL=6.6 t/ac T=5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/>	Wind erosion rate ≤ T WEPS SL=1.2 t/ac T=5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Sheet & Rill Erosion	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"/>	
		Sheet & Rill Erosion	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"/>	<input type="checkbox"/>
SOIL EROSION - Concentrated flow erosion	*Cropland * Farmland* * Pasture* * Range* * Developed Land* * Associated Ag Land* * Designated Protected Area* * Other Rural Land* * Farmland*	Ephemeral gullies	Ephemeral gullies are not occurring	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input 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 any 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	*Cropland * Forest* * Range* * Developed Land* * Associated Ag Land* * Designated Protected Area* * Water* * Other Rural Land* * Farmland*		Streams, shorelines or channels are not on or adjacent to site	<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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input checked="" type="checkbox"/>	For streambanks, DWR2 bank condition element score =5 SVAP2 bank condition =3 AND If bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 PCS Streambank = 4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 4-10
SOIL QUALITY DEGRADATION - Subsidence	*Cropland * Forest* * Associated Ag Land* * Designated Protected Area* * Pasture*		Podzol soils are not present OR Mollisol 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	*Cropland * 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"/>	Compaction is managed to meet Client's production and management objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 1-4
				<input checked="" type="checkbox"/>	PCS = compaction element score ≥ 4 PCS Compaction = 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1200 4-10
				<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"/>	

The planner could document his determination and since the score is 4 or more the statement is true. Since both statements linked by AND are true the entire assessment question is true and the concern is not present. However, it was a client objective for his neighbors to appreciate the care he takes in protecting the stream, so the planner should mark the concern as a client objective, list the land units and include the concern when developing alternatives later in the planning process.

United States Department of Agriculture Natural Resources Conservation Service		USDA NRCS							
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"/> P <input type="checkbox"/> C	<input type="checkbox"/> Other (Optional)	Track/Level (with concern)
SOIL EROSION - Sheet, rill, & wind erosion	*Crop* *Developed Land* *Farmstead* *Associated Ag Land* *Designated Protected Area* *Other Rural Land* -Pasture	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	Water erosion rate ≤ T RUSLE2 SL=6.6 t/ac T=5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/>	Wind erosion rate ≤ T WEPS SL=1.2 t/ac T=5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	*Forest*	Sheet & Rill	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	Wetlands State established criteria	<input type="checkbox"/>	PHA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Wind	Wetlands State established criteria	<input type="checkbox"/>	OR Rangeland Planned Trend is positive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	*Crop* *Forest* *Farmstead* *Associated Ag Land* *Designated Protected Area* *Other Rural Land* -Pasture	Ephemeral gullies	Ephemeral gullies are not occurring	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input type="checkbox"/>	<input 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"/>	
SOIL EROSION - Excessive bank erosion from streams, shorelines or water conveyance channels	*Crop* *Forest* *Range* *Developed Land* *Farmstead* *Associated Ag Land* *Designated Protected Area* *Other Rural Land* *Farmstead* -Pasture	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"/>	
				Streams, shoreline or channels are not on or adjacent to site	<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, EVAP2 bank condition element score =5 SVAP2 bank condition =3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4
SOIL QUALITY DEGRADATION - Subsidence	*Crop* *Forest* *Associated Ag Land* *Designated Protected Area* -Pasture		Histosols are not present OR Histosols 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"/>	1200 6-10
				Bank erosion is beyond the client's control or commensurate with normal geomorphological processes AND PCS - streambank / shoreline erosion element score ≥ 4 PCS Streambank = 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
SOIL QUALITY DEGRADATION - Compaction	*Associated Ag Land* *Designated Protected Area* *Other Rural Land* -Pasture		Soil compaction is not a problem	<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
				AND Activities do not cause soil compaction problems	<input checked="" type="checkbox"/>	PCS = compaction element score ≥ 4 PCS Compaction =3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10
				PHA - 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"/>	

The next resource concern is Soil Quality Degradation – Subsidence. The planner determines that Histosols are not present so the screening question is true, the Resource Concern is not present and the planner should proceed to the next concern.

United States Department of Agriculture Natural Resources Conservation Service		USDA NRCS		Assessment Level		Tract Land Use			
Resource Concern	Land Use *Required	Component	Screening True/Not a concern, False or no question go to assessment	T	F	1	2		
SOIL EROSION Sheet, rill, & wind erosion	*Crop* - Developed Land* *Farmstead* *Associated Ag Land* *Designated Protected Area* *Other Rural Land* *Pasture* *Forest* *Range*	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water erosion rate < T RUSLE2 SL=6.6 t/ac T=5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4
		Wind		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wind erosion rate < T WEPS SL=1.2 t/ac T=5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Sheet & Rill	Soil surface organic residue cover > 50%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Site is stable and without visible signs of erosion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Sheet & Rill		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RNA - soil site stability - slight to moderate or less OR Rangeland Planned Trend is positive	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Wind	Meets State established criteria	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	*Crop* *Forest* *Farmstead* *Pasture* *Range* *Developed Land* *Associated Ag Land* *Designated Protected Area* *Other Rural Land*	Ephemeral gullies	Ephemeral gullies are not occurring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Conservation practices and managements are in place to prevent or control ephemeral gullies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Classic gullies	Classic gullies are not present	<input checked="" type="checkbox"/>	<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 checked="" type="checkbox"/>	<input checked="" 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* *Other Rural Land* *Farmstead* *Pasture*		Streams, shoreline or channels are not on or adjacent to site	<input checked="" 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 SVAP2 bank condition =3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4
				<input checked="" 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 PCS Streambank = 4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10
SOIL QUALITY DEGRADATION Subsidence	*Crop* *Forest* *Associated Ag Land* *Designated Protected Area* *Pasture*		Historic soils are not present OR Historic soils are not exhibiting subsidence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Subsidence is adequately managed to meet client's objectives	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
			Soil compaction is not a problem	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Compaction is managed to meet Client's production and management objectives	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 1-4
SOIL QUALITY DEGRADATION - Compaction	*Crop* *Forest* *Associated Ag Land* *Designated Protected Area* *Other Rural Land* *Pasture*		AND Increase air for water for compaction problems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CS - compaction element score > 4 PCS Compaction = 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1200 6-10
				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RNA - soil site stability - slight to moderate or less OR Compaction is managed to meet Client's production and management objectives	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

For Soil Quality Degradation – Compaction,  
 During resource inventories, the planner observed evidence of compaction in the fields and  
 cattle trails and concentrated areas, so both parts of the screening question is false and the  
 planner should proceed to the assessment question.



**Pasture Condition Score Sheet**

Indicator	1	2	3	4	5
<b>Livestock concentration areas</b>	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.
<b>Soil compaction</b>	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.

The planner determines that infiltration capacity is lowered due to compaction and scores the Soil Compaction element as a 3.

United States Department of Agriculture Natural Resources Conservation Service		USDA NRCS							Tract/Land Unit with concern		
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"/> P <input type="checkbox"/> C	Assessment Concurrence?	Client Observation?	Tract/Land Unit with concern	
SOIL EROSION - Sheet, rill, & wind erosion	<ul style="list-style-type: none"> <li>• Cmg<sup>2</sup> - Developed Land<sup>2</sup></li> <li>• Farnstead<sup>2</sup></li> <li>• Associated Ag Land<sup>2</sup></li> <li>• Designated Protected Area<sup>2</sup></li> <li>• Other Rural Land<sup>2</sup></li> <li>• <b>Practices<sup>2</sup></b></li> </ul>	Sheet & Rill	Permanent ground cover > 90% and slope < 10%	<input checked="" type="checkbox"/> T <input type="checkbox"/> F	Water erosion rate < T <i>RUSLE2 SL=6.6 t/ac T=5</i>	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/> P <input type="checkbox"/> C	<input type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
		Wind		Wind erosion rate < T <i>WEPS SL=1.2 t/ac T=5</i>	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Sheet & Rill Wind	Moisture State established criteria	<input type="checkbox"/> T <input type="checkbox"/> F	RWA - soil site stability - slight to moderate or less OR Managed Flowed Trend is positive	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Concentrated flow erosion	<ul style="list-style-type: none"> <li>• Cmg<sup>2</sup></li> <li>• Farnstead<sup>2</sup></li> <li>• <b>Practices<sup>2</sup></b></li> <li>• Range<sup>2</sup></li> <li>• Designated Land<sup>2</sup></li> <li>• Associated Ag Land<sup>2</sup></li> <li>• Designated Protected Area<sup>2</sup></li> <li>• Other Rural Land<sup>2</sup></li> </ul>	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 type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
		Classic gullies	Classic gullies are not present	<input type="checkbox"/> T <input checked="" 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Classic gullies	Classic gullies are not present	<input type="checkbox"/> T <input checked="" 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SOIL EROSION - Excessive bank erosion from streams shorelines or water conveyance channels	<ul style="list-style-type: none"> <li>• Cmg<sup>2</sup> - Forest</li> <li>• Range<sup>2</sup> - Developed Land<sup>2</sup></li> <li>• Associated Ag Land<sup>2</sup></li> <li>• Designated Protected Area<sup>2</sup></li> <li>• Other Rural Land<sup>2</sup></li> <li>• Farnstead<sup>2</sup></li> </ul>		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, DIV2 bank condition element score => <i>SVAP2 bank condition = 3</i>	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 1-4	
				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 type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 8-10	
SOIL QUALITY DEGRADATION - Subsidence	<ul style="list-style-type: none"> <li>• Cmg - Forest</li> <li>• Associated Ag Land</li> <li>• Designated Protected Area</li> <li>• <b>Practices</b></li> </ul>		Historical soils are not present OR Historical soils are not exhibiting subsidence	<input type="checkbox"/> T <input checked="" 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"/>	<input type="checkbox"/>		
			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 type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 1-4
SOIL QUALITY DEGRADATION - Compaction	<ul style="list-style-type: none"> <li>• Cmg - Forest</li> <li>• Associated Ag Land</li> <li>• Designated Protected Area</li> <li>• Other Rural Land</li> <li>• <b>Practices</b></li> </ul>			<input type="checkbox"/> T <input checked="" type="checkbox"/> F	PCS - compaction element score > 4 <i>PCS Compaction = 3</i>	<input type="checkbox"/> T <input type="checkbox"/> F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1200 8-10	
				RWA - 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"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Since the Compaction element is less than 4, the assessment question is false, the resource concern is present, and the planner should record the land units where the concern is present.

Identified Resource Concerns

Client: Joe Farmer Location: T19N R21W Sec 13

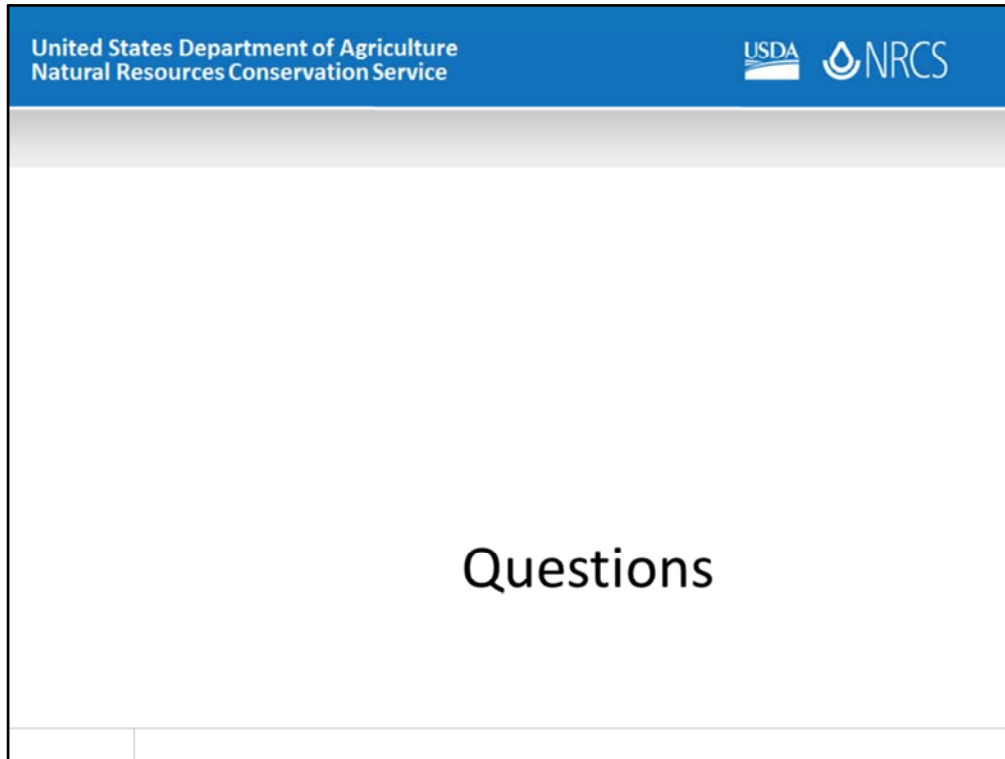
Land Units: Crop T1200 F1-4, HQ T1200 F5, Pasture T1200 F6-10, Forest T1200 F11,12

Required  Optional  Not Applicable

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

Resource Concern	Crop	Pasture	Ridge	Forest	Farmstead	Abandoned Land	Designated Protection 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								

Again, the planner should proceed through all of the concerns for the pasture, then summarize the presence or absence of the concerns for the pasture. Note that the planner could also document an individual resource concern as an objective with an O.



Hopefully with this demonstration, you are able to understand how to use this checklist to screen and assess resource concerns for several land uses. The intent of the form, is to provide a form that the planner can take to the field to systematically assess all concerns. It is not intended to be a required form, and most planners after using it several times in planning will internalize the process, and should be able to go through the process mentally without having to use a form. In this way it is also a great training tool to help new planners better understand the systematic approach to determining Resource Concerns so that they will be able to legitimately and consistently identify resource concerns.

Thank you, now do we have questions?

