

# WHAT IS THE RESOURCE CONCERN????

- State the Facts
- Get enough information to define a bench mark condition
- Provide information on SWAPAE + H (Soil, Water, Air, Plants, Animals, Energy + Humans)
- Use section III for guidance on the resource concern and always ground it in the practice standard

(Example: Access Road. Client wants a recreational trail for snowmobiles & cross country skiers)

**IS this a resource concern that matches the practice standard?**

## **ACCESS ROAD 560**

### **DEFINITION**

An access road is an established route for equipment and vehicles.

### **PURPOSE**

An access road is used to provide a fixed route for vehicular travel for resource activities involving the management of timber, livestock, agriculture, wildlife habitat, and other conservation enterprises.

## Effects of NRCS Conservation Practices - National

### Access Control

The temporary or permanent exclusion of animals, people, vehicles, and/or equipment from an area.

Code: 472

Units: ac

P-Protected  
 R-Range  
 F-Forest  
 C-Crop

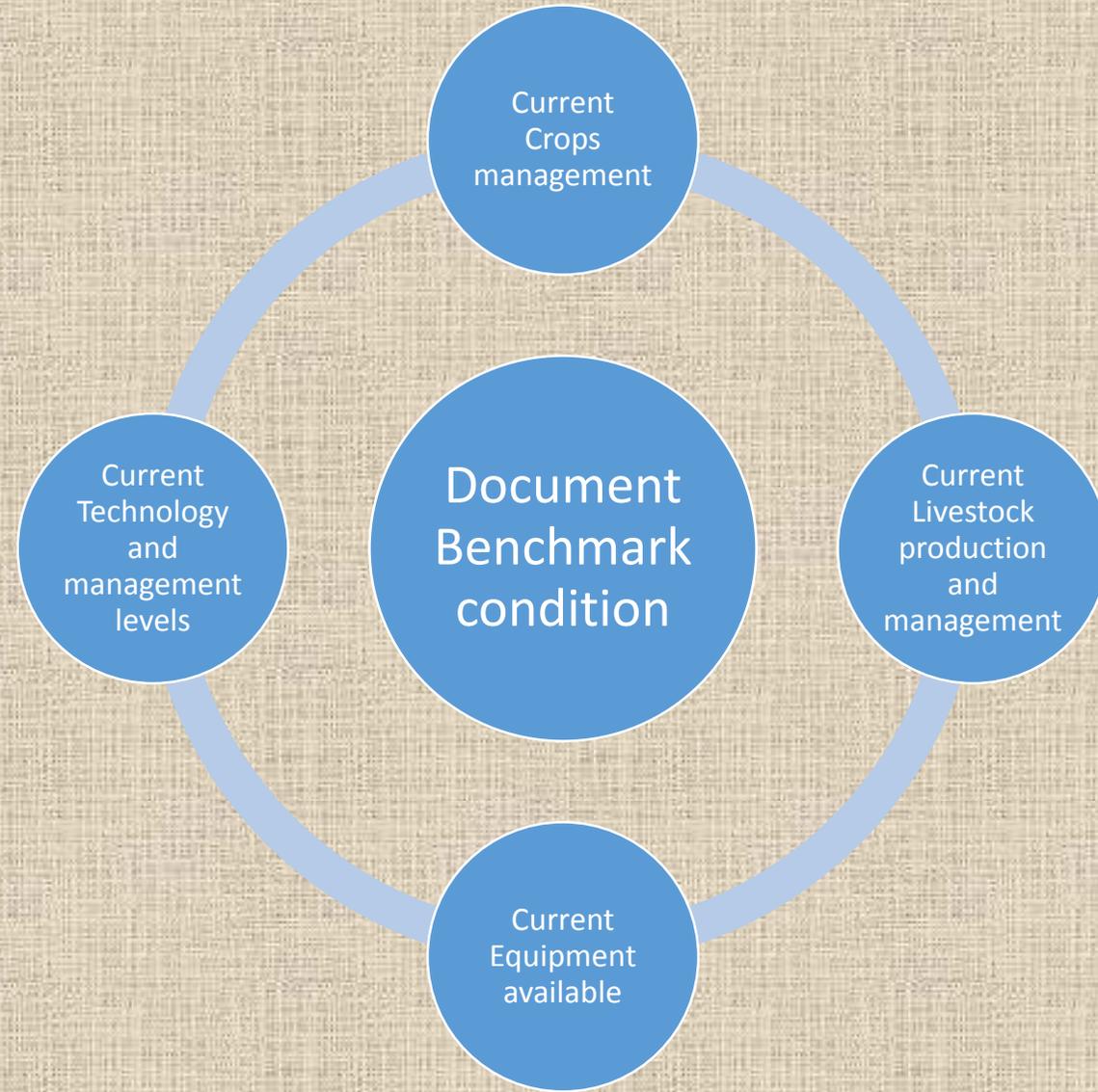
Typical Landuse: C F R P Ph FS D

#### Soil Erosion

	<u>Effect</u>	<u>Rationale</u>
Soil Erosion - Sheet and Rill Erosion	3	Control of animals, people and vehicles reduces disturbance of soil and vegetation.
Soil Erosion - Wind Erosion	1	Control of animals, people and vehicles reduces disturbance of soil and vegetation.
Soil Erosion - Ephemeral Gully Erosion	4	Control of animals, people and vehicles reduces disturbance of soil and vegetation.
Soil Erosion - Classic Gully Erosion	4	Control of animals, people and vehicles reduces disturbance of soil and vegetation.
Soil Erosion - Streambank, Shoreline, Water Conveyance	4	Control of animals, people and vehicles reduces disturbance of soil and vegetation.

#### Soil Quality Degradation

Organic Matter Depletion	1	Control of animals, people and vehicles help maintain conditions of soil and vegetation.
Compaction	4	Control of animals, people and vehicles lessens compactive forces on soil.
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Control of animals, people and vehicles will influence plant growth and alter infiltration and leaching to a limited degree.



# STEP 3.....Inventory Resources

Policy: Title 180 National Planning Procedures Handbook 600.23

Objectives:

- Identify existing or potential resource concerns
- Clarify the resource concerns
- Formulate and evaluate alternatives
- Information gathering—human-operation and management

Products:

- Resource Inventory & Human Considerations
- Cultural Resources, Threatened & Endangered Species
- Soil investigations
- Powerlines, hydrology, property lines, roads
- Benchline practices

Inventory:

- 1). Landowner's knowledge
- 2). Objectives
- 3). Imagery
- 4). Inventory Tools & Procedures
- 5). HEL inventory, Soils, Topography
- 6). Area Plans
- 7). Previous resource inventories
- 8). Field Observations & measurements
- 9). FOTG Section I, II, III, IV



## INVENTORY:

- What are the upland treatments in the watershed?
- What are the managements occurring in the watershed....R2 data sheet



# Define Existing Resource Concern

Include what the future resource concern be if this is not treated...



# Class Example: Resource inventory of Concentrated Flow- Classic Gully Erosion

- Identify the gully on the map
- Investigate the source of the problem
- Define the extent of the problem
- Quantify the problem...

Erosion Formula:

Depth \* top width \* bottom width \* length \*

Years to form (Example soil loss)

$1.0 \times 10 + \frac{2}{2} \times 600 \times 80 \text{#/ft}^3 / 2000 \text{#/ton} \times \frac{1}{2}$   
years = channel soil loss 72 T/yr



EXAMPLE 1:	EXAMPLE 2:	EXAMPLE: 3
Repair erosion problem on field 12.	Resolve 73 Ton/year soil loss from gully as outlined on plan map.	10 ft deep gully moving 8 ft/year (73 T annual soil loss). Outlet is not stable. Moving into crop field as noted on plan map.
Pasture needs reseeding	Pasture is predominantly C.Thistle. Improvement needed.	200 AU, no rotation on 60 acres of pasture. No perennial grass, predom of C. Thistle. Herd can be split & landowner Joe is open to rotational grazing.

U.S. Department of Agriculture  
Natural Resources Conservation Service

NRCS-CPA-52  
4/2013

**ENVIRONMENTAL EVALUATION WORKSHEET**

A. Client Name: \_\_\_\_\_

B. Conservation Plan ID # (as applicable):  
Program Authority (optional): \_\_\_\_\_

C. Identification # (farm, tract, field #, etc as required): \_\_\_\_\_

D. Client's Objective(s) (purpose):  
**Step 2 Determine Objectives**

E. Need for Action: \_\_\_\_\_

H. Alternatives

No Action	Alternative 1	Alternative 2
√ if RMS <input type="checkbox"/>	√ if RMS <input type="checkbox"/>	√ if RMS <input type="checkbox"/>

**Step 5 Formulate Alternatives**

**Resource Concerns**

In Section "F" below, analyze, record, and address concerns identified through the Resources Inventory process.  
(See FOTG Section III - Resource Planning Criteria for guidance).

F. Resource Concerns and Existing/ Benchmark Conditions  
(Analyze and record the existing/benchmark conditions for each identified concern)

G. Effects of Alternatives

Amount, Status, Description <i>(Document both short and long term impacts)</i>	No Action		Alternative 1		Alternative 2	
	√ if does NOT meet PC		√ if does NOT meet PC		√ if does NOT meet PC	
<b>SOIL: EROSION</b>						
	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC
	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC
<b>SOIL: SOIL QUALITY DEGRADATION</b>						
	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC
	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC
<b>WATER: EXCESS / INSUFFICIENT WATER</b>						
	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC
<b>WATER: WATER QUALITY DEGRADATION</b>						
	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC
	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC	<input type="checkbox"/>	NOT meet PC

**Step 6 Evaluate Alternatives**

**Step 1 Identify Problems**

**Step 3 Inventory Resources**

**Step 4 Analyze Resource Data**