

Effects of NRCS Conservation Practices - National

Restoration and Management of Rare or Declining Habitats

Restoring, conserving, and managing unique or diminishing native terrestrial and aquatic ecosystems.

Code: 643

Units: ac

Typical Landuse:

AL-Aso Land
O-Other
W-Water
D-Developed
FS-Farmstead
Pr-Protected
P-Pasture
R-Range
F-Forest
C-Crop

<u>Soil Erosion</u>	<u>Effect</u>	<u>Rationale</u>
Soil Erosion - Sheet and Rill Erosion	2	Establishing or improving native vegetative cover will reduce erosion by water.
Soil Erosion - Wind Erosion	2	Establishing or improving native vegetative cover will reduce erosion by wind.
Soil Erosion - Ephemeral Gully Erosion	2	Establishing or improving native vegetative cover will reduce erosion by water.
Soil Erosion - Classic Gully Erosion	0	Effect will vary based upon initial land use.
Soil Erosion - Streambank, Shoreline, Water Conveyance C	0	Effect will vary based upon initial land use.
<u>Soil Quality Degradation</u>		
Organic Matter Depletion	0	Improved vegetative cover may increase soil organic matter. However, if prescribed burning is used, removal of vegetation and litter from a site temporarily removes organic material that could have become soil organic matter.
Compaction	0	Not Applicable
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	-1	When prescribed burning is used, organic materials are mineralized.
<u>Excess Water</u>		
Excess Water - Seeps	0	Not Applicable
Excess Water - Runoff, Flooding, or Ponding	0	Not Applicable
Excess Water - Seasonal High Water Table	0	Not Applicable
Excess Water - Drifted Snow	0	Not Applicable
<u>Insufficient Water</u>		
Insufficient Water - Inefficient Use of Irrigation Water	0	Not Applicable
Insufficient Water - Inefficient Moisture Management	0	Not Applicable
<u>Water Quality Degradation</u>		
Pesticides in Surface Water	0	Not Applicable
Pesticides in Groundwater	0	Not Applicable
Nutrients in Surface water	0	Not Applicable
Nutrients in Groundwater	0	Not Applicable
Salts in Surface Water	0	Not Applicable
Salts in Groundwater	0	Not Applicable
Excess Pathogens and Chemicals from Manure, Bio-solic	0	Not Applicable
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Excessive Sediment in Surface Water	2	There will be improved vegetative cover with a reduction of runoff and sedimentation.														
Elevated Water Temperature	2	Restoration of habitat adjacent to streams or water bodies will moderate surface water temperatures.														
Petroleum, Heavy Metals and Other Pollutants Transport	0	Not Applicable														
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<u>Air Quality Impacts</u>																
Emissions of Particulate Matter (PM) and PM Precursors	0	Not Applicable														
Emissions of Ozone Precursors	0	Not Applicable														
Emissions of Greenhouse Gases (GHGs)	1	Vegetation removes CO2 from the air and stores it in the form of carbon in the plants and soil.														
Objectionable Odors	0	Not Applicable														
<u>Degraded Plant Condition</u>																
Undesirable Plant Productivity and Health	4	Plants are selected and managed to maintain optimal productivity and health.														
Inadequate Structure and Composition	4	Restoration and management creates or maintains the desired plant community.														
Excessive Plant Pest Pressure	4	Vegetation is installed and managed to control undesired species.														
Wildfire Hazard, Excessive Biomass Accumulation	0	Not Applicable														
<u>Fish and Wildlife - Inadequate Habitat</u>																
Inadequate Habitat - Food	4	Improved plant diversity and quality and quantity of vegetation provides food for wildlife.														
Inadequate Habitat - Cover/Shelter	4	Improved plant diversity and quality and quantity of vegetation provides cover for wildlife.														
Inadequate Habitat - Water	2	Fish and wildlife habitat considerations are addressed in the design.														
Inadequate Habitat - Habitat Continuity (Space)	4	Declining habitats/space are restored.														
<u>Livestock Production Limitation</u>																
Inadequate Feed and Forage	2	These sites may be used as feed and forage by livestock if the intended purpose is maintained.														
Inadequate Shelter	0	Not Applicable														
Inadequate Water	0	Not Applicable														
<u>Inefficient Energy Use</u>																
Equipment and Facilities	0	Not Applicable														
Farming/Ranching Practices and Field Operations	0	Not Applicable														
		<table border="1"> <thead> <tr> <th colspan="2"><u>CPPE Practice Effects:</u></th> </tr> </thead> <tbody> <tr> <td>5 Substantial Improvement</td> <td>0 No Effect</td> </tr> <tr> <td>4 Moderate to Substantial Improvement</td> <td>-1 Slight Worsening</td> </tr> <tr> <td>3 Moderate Improvement</td> <td>-2 Slight to Moderate Worsening</td> </tr> <tr> <td>2 Slight to Moderate Improvement</td> <td>-3 Moderate Worsening</td> </tr> <tr> <td>1 Slight Improvement</td> <td>-4 Moderate to Substantial Worsening</td> </tr> <tr> <td></td> <td>-5 Substantial Worsening</td> </tr> </tbody> </table>	<u>CPPE Practice Effects:</u>		5 Substantial Improvement	0 No Effect	4 Moderate to Substantial Improvement	-1 Slight Worsening	3 Moderate Improvement	-2 Slight to Moderate Worsening	2 Slight to Moderate Improvement	-3 Moderate Worsening	1 Slight Improvement	-4 Moderate to Substantial Worsening		-5 Substantial Worsening
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