

# Effects of NRCS Conservation Practices - National

## Recreation Area Improvement

Establishing grasses, legumes, vines, shrubs, trees, or other plants or selectively reducing stand density and trimming woody plants to improve an area for recreation.

Code: 562

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	1	Improvement in vegetative cover will reduce erosion from water.
Soil Erosion - Wind Erosion	1	Improvement in vegetative cover will reduce erosion from wind.
Soil Erosion - Ephemeral Gully Erosion	1	Improvement in vegetative cover will reduce erosion from water.
Soil Erosion - Classic Gully Erosion	1	Improved vegetative cover will reduce runoff causing erosion.
Soil Erosion - Streambank, Shoreline, Water Conveyance C	1	Improved vegetative cover will reduce runoff causing erosion.
<u>Soil Quality Degradation</u>		
Organic Matter Depletion	1	Soil organic matter concerns will decrease when improved vegetative cover is provided and traffic is controlled
Compaction	1	The soil compaction concern will decrease as vegetative cover improves and traffic is controlled
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Establishment of salt tolerant species will reduce the salinity concern
<u>Excess Water</u>		
Excess Water - Seeps	0	Not Applicable
Excess Water - Runoff, Flooding, or Ponding	1	Improved vegetative cover will reduce runoff, flooding, or ponding on the recreation area.
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	1	The action decreases runoff and erosion.
Pesticides in Groundwater	1	The action increases soil organic matter and biological activity.
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	Pathogen-creating actions are mitigated during practice design.
Excess Pathogens and Chemicals from Manure, Bio-solic	0	Not Applicable

Excessive Sediment in Surface Water	1	Reduced runoff and erosion will reduce the concern about sediment and turbidity in surface water														
Elevated Water Temperature	0	Shade provided by trees and shrubs may moderate stream 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	1	Enhanced ground cover will reduce particulate generation.														
Emissions of Ozone Precursors	0	Not Applicable														
Emissions of Greenhouse Gases (GHGs)	2	Enhanced ground cover will improve carbon storage in soils and in biomass, however, the removal of trees will reduce carbon storage in biomass.														
Objectionable Odors	0	Not Applicable														
<u>Degraded Plant Condition</u>																
Undesirable Plant Productivity and Health	1	Plants are selected and managed to maintain optimal productivity and health.														
Inadequate Structure and Composition	1	There will be a selection of well-adapted and compatible species, varieties, and/or cultivars for each site.														
Excessive Plant Pest Pressure	3	Vegetation is installed and managed to control undesired species.														
Wildfire Hazard, Excessive Biomass Accumulation	3	Activities reduce and isolate fuel loads.														
<u>Fish and Wildlife - Inadequate Habitat</u>																
Inadequate Habitat - Food	1	Plant species are selected that are well-adapted and compatible to the site and provide food for wildlife.														
Inadequate Habitat - Cover/Shelter	1	Plant species are selected that are well-adapted and compatible to the site and provide cover for wildlife.														
Inadequate Habitat - Water	1	Improvement activities can include the creation of a wildlife watering source.														
Inadequate Habitat - Habitat Continuity (Space)	-1	Increased recreation use and disturbance reduces habitat availability.														
<u>Livestock Production Limitation</u>																
Inadequate Feed and Forage	0	Not Applicable														
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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