

Effects of NRCS Conservation Practices - National

Stream Habitat Improvement and Management

Maintain, improve or restore physical, chemical and biological functions of a stream, and its associated riparian zone, necessary for meeting the life history requirements of desired aquatic species.

Code: 395

Units: ft.

Typical Landuse:

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

<u>Soil Erosion</u>	<u>Effect</u>	<u>Rationale</u>
Soil Erosion - Sheet and Rill Erosion	0	Not Applicable
Soil Erosion - Wind Erosion	0	Not Applicable
Soil Erosion - Ephemeral Gully Erosion	0	Not Applicable
Soil Erosion - Classic Gully Erosion	0	Not Applicable
Soil Erosion - Streambank, Shoreline, Water Conveyance C	5	Vegetation and dense roots protects and binds the soil making it resistant to water flow erosion.
<u>Soil Quality Degradation</u>		
Organic Matter Depletion	0	Not Applicable
Compaction	0	Not Applicable
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Not Applicable
<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
Excess Pathogens and Chemicals from Manure, Bio-solic	0	Not Applicable

Excessive Sediment in Surface Water	2	Improved vegetation and management will reduce streambank erosion and improve channel stability.
Elevated Water Temperature	2	Restoration of riparian conditions will contribute to moderation of stream temperatures.
Petroleum, Heavy Metals and Other Pollutants Transport	0	Not Applicable
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<i>Air Quality Impacts</i>		
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
<i>Degraded Plant Condition</i>		
Undesirable Plant Productivity and Health	4	Management and improvement measures create or maintain the health and vigor of desired riparian and aquatic plant communities.
Inadequate Structure and Composition	4	Management and improvement measures create or maintain the desired riparian and aquatic plant communities.
Excessive Plant Pest Pressure	4	Vegetation is installed and managed to control undesired species.
Wildfire Hazard, Excessive Biomass Accumulation	0	Not Applicable
<i>Fish and Wildlife - Inadequate Habitat</i>		
Inadequate Habitat - Food	2	Aquatic habitat is improved providing food for fish and wildlife.
Inadequate Habitat - Cover/Shelter	2	Aquatic habitat is improved providing cover for fish and wildlife.
Inadequate Habitat - Water	0	Riparian and instream improvements will improve water quality, and where applicable, water quantity for aquatic and riparian species and their habitats..
Inadequate Habitat - Habitat Continuity (Space)	4	Restored habitats increase suitable space for fish.
<i>Livestock Production Limitation</i>		
Inadequate Feed and Forage	2	Re-establishment of streamside habitat can provide additional forage.
Inadequate Shelter	4	Riparian area shrubs and trees can provide shade and protection from wind.
Inadequate Water	0	Not Applicable
<i>Inefficient Energy Use</i>		
Equipment and Facilities	0	Not Applicable
Farming/Ranching Practices and Field Operations	0	Not Applicable

<i>CPPE Practice Effects:</i>	<i>0 No Effect</i>
<i>5 Substantial Improvement</i>	<i>-1 Slight Worsening</i>
<i>4 Moderate to Substantial Improvement</i>	<i>-2 Slight to Moderate Worsening</i>
<i>3 Moderate Improvement</i>	<i>-3 Moderate Worsening</i>
<i>2 Slight to Moderate Improvement</i>	<i>-4 Moderate to Substantial Worsening</i>
<i>1 Slight Improvement</i>	<i>-5 Substantial Worsening</i>