Effects of NRCS Conservation Practices - National

Saturated Buffer

Code: 604

Unit: ft.

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Units: ft.

Typical Landuse: C P FS

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

Resource Concern	*Effect*	*Rationale*
Sheet and Rill Erosion	0	Not Applicable
Wind Erosion	0	Not Applicable
Ephemeral Gully Erosion	0	Not Applicable
Classic Gully Erosion	0	Not Applicable
Bank Erosion from Streams, Shorelines or Water Conveyance Channels	0	Not Applicable
Subsidence	0	Not Applicable
Compaction	0	Not Applicable
Organic Matter Depletion	0	Not Applicable
Concentration of Salts or other Chemicals	0	Not Applicable
Soil Organism Habitat Loss or Degradation	0	Not Applicable
Aggregate Instability	0	Not Applicable
Ponding and Flooding	-2	Practice will promote saturated conditions and raise localized water table by design. Ponding/flooding conditions could 'worsen' as a result.
Seasonal High Water Table	0	Not Applicable
Seeps	0	Not Applicable
Drifted Snow	0	Not Applicable
Naturally Available Moisture Use	0	Not Applicable
Surface Water Depletion	0	Not Applicable
Groundwater Depletion	0	Not Applicable
Inefficient Irrigation Water Use	0	Not Applicable
Nutrients Transported to Surface Water	5	Buffer removes 60-100% of Nitrogen from drain pipe discharge
Nutrients Transported to Groundwater	0	Not Applicable
Pathogens and Chemicals from Manure, Bio-solids or Compost Applications Tranported to Surface Water	0	Not Applicable
Pathogens and Chemicals from Manure, Bio-solids or Compost Applications Tranported to Groundwater	0	Not Applicable
Sediment Transported to Surface Water	0	Not Applicable
Pesticides Transported to Surface Water	0	Not Applicable
Pesticides Transported to Groundwater	0	Not Applicable
Petroleum, Heavy Metals and Other Pollutants Transported to Surface Water	0	Not Applicable
Petroleum, Heavy Metals and Other Pollutants Transported to Groundwater	0	Not Applicable
Salts Transported to Surface Water	0	Not Applicable
Salts Transported to Groundwater	0	Not Applicable
Elevated water temperature	0	Not Applicable
Emissions of Particulate Matter (PM) and PM Precursors	0	Not Applicable
Emissions of Greenhouse Gasses - GHGs	1	Replacing a cultivated riparian area with a saturated buffer will reduce GHG emissions
Emissions of Ozone Precursors	0	Not Applicable
Objectionable Odor	0	Not Applicable
Emissions of Airborne Reactive Nitrogen	0	Not Applicable
Plant Pest Pressure	0	Not Applicable
Plant Productivity and Health	0	Not Applicable
Plant Structure and Composition	0	Not Applicable
Wildfire Hazard from Biomass Accumulation	0	Not Applicable
Feed and Forage Imbalance	0	Not Applicable
Inadequate Livestock Shelter	0	Not Applicable
Inadequate Livestock Water Quantity, Quality and Distribution	0	Not Applicable
Terrestrial Habitat for Wildlife and Invertebrates	0	Not Applicable
Aquatic Habitat for Fish and other Organisms	0	Not Applicable
Energy Efficiency of Equipment and Facilities	0	Not Applicable
Energy Efficiency of Farming/Ranching Practices and Field Operations	0	Not Applicable

CPPE Practice Effects:	
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