Effects of NRCS Conservation Practices - National

Roof Runoff Structure

Structures that collect, control, and transport precipitation from roofs.

<u>Soil Erosion</u> Soil Erosion - Sheet and Rill Erosion	<u>Effect</u> 1	<u>Rationale</u> Roof runoff is collected and conveyed to a safe outlet.
Soil Erosion - Wind Erosion	0	Not Applicable
Soil Erosion - Ephemeral Gully Erosion	3	Roof runoff is collected and conveyed to a safe outlet.
Soil Erosion - Classic Gully Erosion	1	Roof runoff is collected and conveyed to a safe outlet.
Soil Erosion - Streambank, Shoreline, Water Conveyance C	1	Roof runoff is collected and conveyed to a safe outlet.
<u>Soil Quality Degradation</u> Organic Matter Depletion	0	Not Applicable
Compaction	0	Drier soils in high traffic areas around buildings may decrease compaction pote
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Where practice is used to increase infiltration, the percolating water has the pot
<u>Excess Water</u> Excess Water - Seeps	1	Water collected And conveyed to surface outlet will have limited opportunity to
Excess Water - Runoff, Flooding, or Ponding	-1	Collecting and conveying roof runoff away from buildings to an outlet will tend
Excess Water - Seasonal High Water Table	1	Water collected And conveyed to surface outlet will have limited opportunity to
Excess Water - Drifted Snow	0	Not Applicable
Insufficient Water Insufficient Water - Inefficient Use of Irrigation Water	0	Not Applicable
Insufficient Water - Inefficient Moisture Management	3	Collected water can be used to increase available water for other uses.
<u>Water Quality Degradation</u> Pesticides in Surface Water	0	Not Applicable
Pesticides in Groundwater	0	Not Applicable
Nutrients in Surface water	2	The action keeps excess runoff water out of concentrated livestock areas. The contamination associated with the roof runoff.
Nutrients in Groundwater	2	The action collects and disposes of runoff which could transport nutrients to g
Salts in Surface Water	2	The action diverts water from barnyard and feedlot areas, where it could pick up
Salts in Groundwater	0	Not Applicable
Excess Pathogens and Chemicals from Manure, Bio-solic	2	Roof runoff diverted away from manure areas. Degree of impact depends on th runoff.
Excess Pathogens and Chemicals from Manure, Bio-solic	0	Not Applicable

Code: 558 Units: no Typical Landuse: FS D otential. otential to remove contaminants from the soil profile. to infiltrate. d to reduce opportunity for infiltration at the site. o infiltrate. e degree of impact depends on the portion of groundwater. up salts from manure. the portion of contamination associated with the roof

Excessive Sediment in Surface Water	1	Water from roof is delivered to stable outlet, minimizing surface erosion.
Elevated Water Temperature	0	Not Applicable
Petroleum, Heavy Metals and Other Pollutants Transporte	0	Heavy metals are rarely associated with manure. Roof runoff is diverted away
Petroleum, Heavy Metals and Other Pollutants Transporte	0	Not Applicable
<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)	0	Not Applicable
Objectionable Odors	0	Not Applicable
Degraded Plant Condition		
Undesirable Plant Productivity and Health	0	Not Applicable
Inadequate Structure and Composition	0	Not Applicable
Excessive Plant Pest Pressure	0	Not Applicable
Wildfire Hazard, Excessive Biomass Accumulation	0	Not Applicable
Fish and Wildlife - Inadequate Habitat		
Inadequate Habitat - Food	0	Not Applicable
Inadequate Habitat - Cover/Shelter	0	Not Applicable
Inadequate Habitat - Water	1	Not Applicable
Inadequate Habitat - Habitat Continuity (Space)	0	Not Applicable
Livestock Production Limitation		
Inadequate Feed and Forage	0	Not Applicable
Inadequate Shelter	0	Not Applicable
Inadequate Water	2	Roof runoff can be diverted for stock water use.
Inefficient Energy Use		
Equipment and Facilities	0	Not Applicable
Farming/Ranching Practices and Field Operations	0	Not Applicable
		CPPE Practice Effects: 5 Substantial Improvement
		4 Moderate to Substantial Improvement
		3 Moderate Improvement
		2 Slight to Moderate Improvement
		1 Slight Improvement

1 Slight Improvement

ay from manure areas.

	0 No Effect
	-1 Slight Worsening
ent	-2 Slight to Moderate Worsening
	-3 Moderate Worsening
	-4 Moderate to Substantial Worsening
	-5 Substantial Worsening