

# Effects of NRCS Conservation Practices - National

## Watering Facility

A permanent or portable device to provide an adequate amount and quality of drinking water for livestock and or wildlife.

Code: 614

Units: no.

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	Increased vegetated cover due to better distribution of water reduces soil erosion.
Soil Erosion - Wind Erosion	2	Increased vegetated cover due to better distribution of water reduces soil erosion.
Soil Erosion - Ephemeral Gully Erosion	2	Increased vegetated cover due to better distribution of water reduces soil erosion.
Soil Erosion - Classic Gully Erosion	1	Increased grass cover due to better distribution of water will retard flows decreasing opportunity for classic erosion.
Soil Erosion - Streambank, Shoreline, Water Conveyance C	4	By providing an alternate water source animal traffic on streambanks is removed reducing erosion.
<u>Soil Quality Degradation</u>		
Organic Matter Depletion	0	Not Applicable
Compaction	0	Traffic may increase around the practice, but the practice will help reduce excess moisture where traffic occurs.
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Not Applicable
<u>Excess Water</u>		
Excess Water - Seeps	0	The action may result in minor amounts of increased infiltration due to retarding flows with better vegetative cover.
Excess Water - Runoff, Flooding, or Ponding	0	The action may result in minor amounts of increased infiltration (less surface flows) due to retarding flows with better vegetative cover.
Excess Water - Seasonal High Water Table	0	The action may result in minor amounts of increased infiltration due to retarding flows with better vegetative cover.
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	1	Better distribution of animals away from surface water reduces the risk of salt contamination from manures.
Salts in Groundwater	0	Not Applicable
Excess Pathogens and Chemicals from Manure, Bio-solic	1	Improved vegetation due to better distribution of water will filter and reduce water borne contaminants. In addition, better distribution of animals results in less concentration of contaminants.
Excess Pathogens and Chemicals from Manure, Bio-solic	-1	The action tends to concentrate animals, increasing pathogens available for transport.

Excessive Sediment in Surface Water	2	Water development will decrease livestock trampling in wet areas and nearby streams.
Elevated Water Temperature	1	Purpose of practice is to protect vegetation along water courses, which in turn moderates stream temperatures.
Petroleum, Heavy Metals and Other Pollutants Transport	1	Improved vegetation due to better distribution of water will filter and reduce water borne contaminants. In addition, better distribution of animals results in less concentration of contaminants.
Petroleum, Heavy Metals and Other Pollutants Transport	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
<u>Degraded Plant Condition</u>		
Undesirable Plant Productivity and Health	2	Available water to facilitate grazing management improves growth and vigor of plants.
Inadequate Structure and Composition	0	Not Applicable
Excessive Plant Pest Pressure	0	Not Applicable
Wildfire Hazard, Excessive Biomass Accumulation	0	Not Applicable
<u>Fish and Wildlife - Inadequate Habitat</u>		
Inadequate Habitat - Food	0	Not Applicable
Inadequate Habitat - Cover/Shelter	0	Not Applicable
Inadequate Habitat - Water	2	The action supplies water to alternative locations hence protecting stream and riparian areas.
Inadequate Habitat - Habitat Continuity (Space)	3	Additional habitat/space is available once water is available.
<u>Livestock Production Limitation</u>		
Inadequate Feed and Forage	2	Improved distribution of animals makes forage more readily available to livestock.
Inadequate Shelter	0	Not Applicable
Inadequate Water	5	Facilities supply water at remote locations.
<u>Inefficient Energy Use</u>		
Equipment and Facilities	0	Not Applicable
Farming/Ranching Practices and Field Operations	0	Not Applicable

<b><u>CPPE Practice Effects:</u></b>	<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>