

# Effects of NRCS Conservation Practices - National

## Pond

A water impoundment made by constructing an embankment or by excavating a pit or dugout.

Code: 378

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	0	Not Applicable
Soil Erosion - Wind Erosion	0	Not Applicable
Soil Erosion - Ephemeral Gully Erosion	0	Not Applicable
Soil Erosion - Classic Gully Erosion	2	Stabilization of the gully due to the embankment.
Soil Erosion - Streambank, Shoreline, Water Conveyance C	1	Reduced peak flows downstream from impoundment.
<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	-1	Concentrates salts and chemicals in one location where build up over time can occur.
<u>Excess Water</u>		
Excess Water - Seeps	-2	Possible seepage from ponding of water.
Excess Water - Runoff, Flooding, or Ponding	2	Runoff and peak flows reduced.
Excess Water - Seasonal High Water Table	-1	Seepage from ponded water.
Excess Water - Drifted Snow	0	Not Applicable
<u>Insufficient Water</u>		
Insufficient Water - Inefficient Use of Irrigation Water	2	Provides permanent water storage for irrigation.
Insufficient Water - Inefficient Moisture Management	2	Provides permanent water storage.
<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 impounds water reducing the delivery of nutrients to surface water downstream.
Nutrients in Groundwater	-1	Nutrients impounded could contaminate groundwater.
Salts in Surface Water	0	Not Applicable
Salts in Groundwater	0	Not Applicable
Excess Pathogens and Chemicals from Manure, Bio-solic	-2	Because of aquatic animal feed or decaying vegetation, or from excessive nutrients in runoff
Excess Pathogens and Chemicals from Manure, Bio-solic	0	Not Applicable

Excessive Sediment in Surface Water	2	Suspended sediments are trapped.
Elevated Water Temperature	0	Water released from impoundments may be warmer or cooler than receiving waters, depending on site conditions.
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	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	2	Ponds provide plant and animal foods for certain fish and wildlife.
Inadequate Habitat - Cover/Shelter	2	Plant and structure provide cover/shelter for fish and wildlife.
Inadequate Habitat - Water	0	Ponds provide water for wildlife; entrapment, especially of fish and salamanders, as waters recede or are withdrawn, should be minimized to the extent possible.
Inadequate Habitat - Habitat Continuity (Space)	2	Impoundments create additional pond-type habitat/space for species requiring such habitat.
<u>Livestock Production Limitation</u>		
Inadequate Feed and Forage	0	Not Applicable
Inadequate Shelter	0	Not Applicable
Inadequate Water	5	Ponds provide stock water.
<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>