Effects of NRCS Conservation Practices - National

Dike

A barrier constucted of earth or manufactured materials

Code: 356
Units: ft.

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

Soil Erosion	*Effect*	*Rationale*
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	1	Reduces overland flow
Soil Erosion - Streambank, Shoreline, Water Conveyance C	-2	Causes higher water depths and velocities.
Soil Quality Degradation		
Organic Matter Depletion	0	Not Applicable
Compaction	0	Not Applicable
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Not Applicable
Excess Water		
Excess Water - Seeps	-1	Seepage may increase due to temporary storage behind the dikes.
Excess Water - Runoff, Flooding, or Ponding	2	Water is kept within the channel and prevents flooding.
Excess Water - Seasonal High Water Table	-1	Seepage may increase due to temporary storage behind the dikes.
Excess Water - Drifted Snow	0	Not Applicable
Insufficient Water		
Insufficient Water - Inefficient Use of Irrigation Water	0	Not Applicable
Insufficient Water - Inefficient Moisture Management	0	Not Applicable
Water Quality Degradation		
Pesticides in Surface Water	2	The action excludes surface water from the pesticide application site.
Pesticides in Groundwater	2	The action excludes surface water from the pesticide application site.
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	**0**	**If a dike is constructed to hold water, suspended sediment and turbidity decreases; if dike is constructed as flood control measure, suspended sediment and turbidity will increase because of erosive effect of flowing, channelized water.**
Elevated Water Temperature	**0**	**Surface water temperature is dependent on site conditions and location of dike.**
Petroleum, Heavy Metals and Other Pollutants Transporte	**0**	**Not Applicable**
Petroleum, Heavy Metals and Other Pollutants Transporte	**0**	**Not Applicable**
Air Quality Impacts		
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	**-2**	**Restricting floodplains eliminates refuge habitat for stream and river-dwelling wildlife species.**
Inadequate Habitat - Cover/Shelter	**-2**	**Restricting floodplains eliminates refuge habitat for stream and river-dwelling wildlife species.**
Inadequate Habitat - Water	**0**	**Dikes will retain water benefiting some species, however if placed in floodplains aquatic habitats will be fragmented.**
Inadequate Habitat - Habitat Continuity (Space)	**1**	**Dikes will retain water benefiting some species, however if placed in floodplains aquatic habitats will be fragmented.**
Livestock Production Limitation		
Inadequate Feed and Forage	**0**	**Not Applicable**
Inadequate Shelter	**0**	**Not Applicable**
Inadequate Water	**0**	**Not Applicable**
Inefficient Energy Use		
Equipment and Facilities	**0**	**Not Applicable**
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