Effects of NRCS Conservation Practices - National

Irrigation Pipeline

A pipeline and appurtenances installed to convey water for storage or application, as part of an irrigation water system.

Soil Erosion	<u>Effect</u>	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	2	Pipe can act as a collection and transport for water to prevent erosion.
Soil Erosion - Streambank, Shoreline, Water Conveyance C	0	Not Applicable
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	Pipeline can collect and convey excessive seepage to suitable outlet.
Excess Water - Runoff, Flooding, or Ponding	0	Pipeline will be used in conjunction with other practice to address resource
Excess Water - Seasonal High Water Table	1	Pipeline can collect and convey excessive subsurface water to suitable outle
Excess Water - Drifted Snow	0	Not Applicable
Insufficient Water		
Insufficient Water - Inefficient Use of Irrigation Water	2	Pipe will convey water and make it possible to use more efficiently.
Insufficient Water - Inefficient Moisture Management	0	Not Applicable
Water Quality Degradation		
Pesticides in Surface Water	0	Not Applicable
Pesticides in Groundwater	0	Not Applicable
Nutrients in Surface water	1	Utilizing pipelines for water delivery reduces the delivery of sediment-attache
Nutrients in Groundwater	0	Not Applicable
Salts in Surface Water	1	Piipline eliminates surface flow that could pick up salts from an unlined ditch concentrate salts in irrigation water.
Salts in Groundwater	2	The action eliminates seepage from earth canals which can move soluble sa
Excess Pathogens and Chemicals from Manure, Bio-solic	1	Pipeline eliminates surface water flow reducing contaminated water runoff.
Excess Pathogens and Chemicals from Manure, Bio-solic	1	The action eliminates seepage losses from canals, which reduces the potent

Code: 430 Units: ft	C-Crop	R-Range F-Forest	P-Pasture	Pr-Protected	FS-Farmstead	D-Developed	W-Water	O-Other	AL-Aso Land	
Typical Landuse:	CF	RP	Pr	FS	D	w	0 /	۹L		
concern.										
lot										
ned nutrients to surface water.										
ch. The pipeline also eliminates evaporation, which can										
alts to the ground water.										

tial for movement of pathogens to groundwater.

Excessive Sediment in Surface Water	1	Pipeline eliminates surface water flow reducing contaminated water runoff.				
Elevated Water Temperature	0	Conservation irrigation systems minimize affects to surface water quality.				
Petroleum, Heavy Metals and Other Pollutants Transporte	0	Pipeline does not pick up contaminated surface runoff.				
Petroleum, Heavy Metals and Other Pollutants Transporte	1	The action eliminates seepage losses from car	nals, which reduces the potential for mov	vement of heavy metals to groundwater.		
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	2	Increased water availability and access enhances plant growth, health and vigor.				
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	0	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	0	Not Applicable				
Inefficient Energy Use						
Equipment and Facilities	0	Not Applicable				
Farming/Ranching Practices and Field Operations	2	Properly sizing pipe to reduce friction losses,	will result in reduced energy use for pum	iping.		
			CPDE Practice Effects	0 No Effort		
			CFFE FIAGUGE ElleGLS:	U NO Effect		
			o Supstantial Improvement	- i Snynt worsening		
			4 woderate to Substantial Improvement	-2 Slight to Moderate Worsening		
			3 Moderate Improvement	-3 Moderate Worsening		
			2 Slight to Moderate Improvement	-4 woderate to Substantial Worsening		
			1 Slight Improvement	-5 Substantial Worsening		