## Effects of NDCS Co 4:0 tio Natio Dr

Effects of NRCS Conservation Practices - National				
Pond Sealing or Lining, F	lexi	ble Membrane	Code: 521A ⊸ 况 ヮ ⊳	
A manufactured hydraulic barrier consisting of a fu	Inction	ally continuous layer of synthetic or partially synthetic, flexible material.	Units: no. Units: no. Units: no. Units: no. C-Crop	
Sail Frazian	Effort	Detionala	Typical Landuse: CFRPPrFS OAL	
<u>Soil Erosion</u> Soil Erosion - Sheet and Rill Erosion	<u>Effect</u> 0	<u>Rationale</u> Not Applicable		
Soil Erosion - Wind Erosion	0	Not Applicable		
Soil Erosion - Ephemeral Gully Erosion	0	Not Applicable		
Soil Erosion - Classic Gully Erosion	0	Not Applicable		
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	1	Lining decreases contamination immediately below the pond.		
<u>Excess Water</u> Excess Water - Seeps	1	Reduction in seepage due to less water seeping from ponds.		
Excess Water - Runoff, Flooding, or Ponding	0	Not Applicable		
Excess Water - Seasonal High Water Table	2	Reduced seepage from the pond will result in less contribution to the ground water, pa	articularly in the immediate area of the pond.	
Excess Water - Drifted Snow	0	Not Applicable		
Insufficient Water Insufficient Water - Inefficient Use of Irrigation Water	2	Retention of water in pond will allow more optimal use of water.		
Insufficient Water - Inefficient Moisture Management	2	Retention of water in pond will allow more optimal use of water.		
<u>Water Quality Degradation</u> Pesticides in Surface Water	0	Not Applicable		
Pesticides in Groundwater	0	Not Applicable		
Nutrients in Surface water	2	Liners reduce or prevent seepage losses from waste storage ponds, reducing the delive	very of nutrients to surface water.	
Nutrients in Groundwater	2	The action will retain a substantial amount of contaminants in the pond. The magnitud the pond before lining.	de of the effect will depend on the integrity of	
Salts in Surface Water	0	Not Applicable		
Salts in Groundwater	3	The action prevents contaminants in the pond from moving below the pond to the gro	undwater.	
Excess Pathogens and Chemicals from Manure, Bio-solic	0	Not Applicable		
Excess Pathogens and Chemicals from Manure, Bio-solic	2	The action limits seepage to prevent leaching of pathogens from the pond.		

Excessive Sediment in Surface Water	0	Not Applicable	
Elevated Water Temperature	0	Not Applicable	
Petroleum, Heavy Metals and Other Pollutants Transporte	0	Not Applicable	
Petroleum, Heavy Metals and Other Pollutants Transporte	1	The action limits seepage to prevent leaching	ng of heavy metals from the pond
<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	
De sue de  d Dieux ( Oe unditie u			
<u>Degraded Plant Condition</u> Undesirable Plant Productivity and Health	1	Available water to facilitate grazing manage	ment improves growth 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 Inclasure Habitat			
<u>Fish and Wildlife - Inadequate Habitat</u> Inadequate Habitat - Food	0	Not Applicable	
Inadequate Habitat - Cover/Shelter	0	Not Applicable	
Inadequate Habitat - Water	0	Duration of water in pond is extended.	
Inadequate Habitat - Habitat Continuity (Space)	0	Not Applicable	
Livestock Production Limitation			
Inadequate Feed and Forage	0	Not Applicable	
	Ū		
Inadequate Shelter	0	Not Applicable	
Inadequate Water	4	Lining will prolong availability of water for li	vestock.
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

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or of plants.

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