NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

October 2020

Irrigation Ditch Lining (428)

1. Lining installed in irrigation supply ditches and canals

I.1 (+) Cost to farmer
I.2 (+) Plant productivity and vigor
I.3 (-) Pumping requirements
I.4 (+) Water quantity
I.5 (-) Soil erosion
I.6 (-) Nutrients in surface and ground water
I.7 (-) Existing established riparian habitat dependent upon seepage.
I.8 (+) Agribusiness
I.9 (+) Farm/ranch profitability
I.10 (-) Sediment deposition in watercourses
C.1 (+) Income stability (individuals and community)
C.2 (+/-) Environmental Quality
C.3 (+) Water Quality

D.1 (+) Construction, infrastructure and operating costs
D.2 (+) Efficient use of water on irrigated land.
D.3 (-) Water conveyance losses from seepage.
D.4 (+) Efficient use of water on irrigated land.
D.5 (-) Water conveyance losses from seepage.
D.6 (-) Nutrients in surface and ground water
D.7 (-) Sediment deposition in watercourses
D.8 (+) Environmental Quality
D.9 (+) Water Quality
D.10 (-) Income stability (individuals and community)

Initial Settings: All land between water source and point(s) of use and downstream areas affected by seepage losses.

Legend:
- Mitigating practice
- Associated practice
- #. Created by practice
- D. Direct effect
- I. Indirect effect
- C. Cumulative effect

Notes:
Effects are qualified with a plus (+) or minus (-). These symbols indicate only an increase (+) or a decrease (-) in the effect upon the resource, not whether the effect is beneficial or adverse.