NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

May 2016

Initial setting: On disturbed sites where conditions preclude treatment of sediment and sedimentation at the source

Start

Sediment Basin (350)

1. Earthen embankment with outlet

D.1 (+) Water impoundment

D.2 (+) Trapped sediment

D.3 (+) Cost of installation and maintenance

D.4 (+) Disturbed areas (construction), soil erosion

Critical Area Planting (342)

I.1 (-) Peak discharge

I.2 (-) Flooding

I.3 (-) Gully and streambank erosion

I.4 (-) Downslope deposition

I.5 (-) Delivery of sediment and contaminants to surface waters and downslope areas

I.6 (+) Water quality

I.7 (-) Sediment- and waterborne contaminants

I.8 (-) Cost of offsite sediment removal

I.9 (+) Downstream reservoir capacity

I.10 (+/-) Net return

I.11 (-) Cost of future regulatory compliance

I.12 (+) Growth of desirable vegetation

I.13 (+) Soil stabilized

C.1 (+) Aquatic habitat

C.2 (+/-) Public/private health and safety, public/private property protection

C.3 (+/-) Income and income stability (individuals and communities)

Mitigating practice

Associated practice

LEGEND

# Created by practice

D. Direct effect

I. Indirect effect

C. Cumulative effect

Note: 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.