Sediment Basin (350)

Start

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 (-) Down-slope deposition
I.5 (-) Delivery of sediment and contaminants to surface waters and down-slope areas
I.6 (+) Water quality
I.7 (-) Sediment- and water-borne contaminants
I.8 (-) Cost of off-site 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)

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.