Underground Outlet (620)

Critical Area Planting (342)

Grassed Waterway (412)

Mulching (484)

Residue & Tillage Management, Reduced Till (345)

Cover Crop (340)

Conservation Crop Rotation (328)

Pest Management Conservation System (595)

Nutrient Management (590)

Filter Strip (393)

Residue & Tillage Management, No Till (329)

Start

**LEGEND**

#. Created by practice

D. Direct effect

I. Indirect effect

C. Cumulative effect

Mitigating practice

Pathway

Associated practice

D.6 (+) Surface erosion, runoff, and sediment production

Critical Area Planting (342)

I.15 (+) Growth of desirable vegetation

I.16 (+) Soil Stabilized

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.

I.14 (+) Net return to producer

C.1 (+/-) Aquatic habitat in the watershed

I.5 (-) Sediment- borne contaminants to receiving waters

C.2 (+/-) Public/private health and safety

I.13 (+) Air quality

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

I.4 (+) Water quality

D.4 (+) Cost of installation and maintenance

I.6 (-) Down-slope deposition

I.7 (-) Cost of offsite sediment removal

I.11 (-) Equipment operating (fuel), maintenance, replacement costs, and labor costs

**Water and Sediment Control Basin (638)**

I.9 (+) Potential crop production

2. Underground outlet

1. Earthen embankment

I.10 (+) Potential income

I.12 (-) Greenhouse gases

3. Disturbed areas

I.8 (+) Cropable acreage

D.2 (+) Trapped sediment

I.2 (-) Flooding

I.3 (-) Ephemeral gully and streambank erosion

I.1 (-) Peak runoff, velocity

*Initial setting: On farmland where gully erosion is causing damage to the field, other resources or improvements*

D.1 (+) Impounded water

D.5 (+) Waterborne contaminants to receiving waters

D.3 (-) Gully erosion