NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

Initial setting: Areas having insufficient outlets for surface and/or subsurface drainage system.

Vertical Drain (630)
A well, pipe, pit, or bore in porous underground strata into which surface or subsurface drainage water is discharged.

D.1 (+) Infiltration
D.2 (-) Streamflow and peak discharge
D.3 (+) Contaminants introduced to groundwater
D.4 (+) Subsurface water level
D.5 (+) Cost for installation and maintenance

D.1 (++) Cost for installation and maintenance
D.2 (-) Streamflow and peak discharge
D.3 (+) Contaminants introduced to groundwater
D.4 (+) Subsurface water level
D.5 (+) Cost for installation and maintenance

I.1 (-) Surface runoff
I.2 (-) Soil erosion
I.3 (-) Sediment and particulate contaminants to surface waters
I.4 (+/-) Streambaseflow
I.5 (-) Riparian habitat
I.6 (+) Aquifer recharge
I.7 (+) Particulate and dissolved contaminants (including nutrients) to ground waters
I.8 (+/-) Stream stability
I.9 (+) Down-gradient surface discharges
I.10 (+) Production potential, ability to manage and use lands productively
I.11 (++/-) Income
I.12 (+/-) Net return to producer
I.13 (+) Equipment operation and maintenance costs

C.1 (+/-) Aquatic habitat
C.2 (+/-) Quality of surface waters
C.3 (+/-) Biodiversity
C.4 (+/-) Fishable and swimmable waters, health and safety issues for humans, domestic and wild animals.
C.5 (+/-) Quality of ground waters
C.6 (+/-) Income and income stability (individuals and community)
C.7 (++/-) Net return to producer
C.8 (+/-) Aquifer recharge
C.9 (+) Down-gradient surface discharges
C.10 (+/-) Production potential, ability to manage and use lands productively
C.11 (+) Equipment operation and maintenance costs

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.