NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

C.3 (+) Biodiversity

Initial setting: Areas adjacent to water courses or bodies where the natural plant community is dominated by herbaceous vegetation and where Riparian Herbaceous Cover (390) * Start establishment or maintenance of cover is needed to improve water quality, fishery and wildlife habitat, and/or stabilize the bank or shoreline 1. Vertical vegetative structure and canopy cover 2. Plant root systems of herbaceous plants D.6 (-) Land available D.4 (-) D.5 (+) Root D.7 (+) Cost of Streambank or for commercial crop biomass establishment and D.3 (+) Infiltration production and D.1 (+) D.2 (+) shoreline erosion maintenance of precipitation development Herbaceous Herbaceous and associated and soil storage wildlife plant biomass sedimentation I.17 (-) Crop I.13 (+) Soil production, organic matter I.16 (-) Urban I.11 (+) Uptake potential I.8 (+) Trapping of I.1 (-) Habitat and carbon of soil nutrients lawn income sediment and I.9 (-) Soil storage fragmentation maintenance sediment attached erosion pollutants I.12 (-) Compaction I.18 (+/-) Net 1.2 (-) C.8 (-) Energy returns Invasive/ I.10 (+) inputs 1.5(+)Entrapment and noxious ◄ Shade I.14 (-) species uptake of LEGEND Pesticide nitrates in soil I.3 (+) Leaf I.15 (-) Mitigating practice debris fall Greenhouse C.1 (+) Quality of C.2 (+) Soil quality gases Associated practice receiving waters I.6 (-) Water temperatures #. Created by practice C.7 (+) Air quality D. Direct effect of air shed 1.4(+)C.4 (+) Health of Detritus in 1.7 (+) I. Indirect effect community, humans and Aquatic streams C.6 (+/-) Income and animals habitat C. Cumulative effect income stability C.5 (+) (individuals and Recreational community)

opportunities

Pathway

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. *Effects start at establishment and continue through to fully functional

condition.

March 2014