NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

Initial setting: 1) Nonforested sites capable of Tree/Shrub Establishment (612) **Tree/Shrub Site Preparation (490)** producing wood fiber and forest habitat; or 2) Woody Residue Treatment (384) cutover forestland. Both settings lack woody Start Prescribed Burning (338) biomass of desired species, and desired Deep Tillage (324) species cannot be established without site modifications. 2. Soil condition manipulated ▼3. Woody biomass is chipped, burned to improve survival of desired 1. Competing vegetation or otherwise treated to enable planting controlled or eliminated species or natural regeneration D.1 (+) Water, light, and nutrients made available D.5 (-) Abundance of D.3 (+) Application of D.4 (+) Exposed soil large woody debris herbicides and surfactants .8 (+) Sheet and I.1 (+) Desired plant rill erosion and growth rate runoff of sediment and other 1.9 (+) contaminants Particulate I.12 (+) Rate of Critical Area Planting (342) matter decomposition Cover Crop (340) D.2 (-) Plant species emitted Forest Trails and Landings (655) I.2 (-) Sheet and diversity Pest Management Conservation I.7 (+) Release of carbon rill erosion. System (595) and greenhouse gases runoff, and sediment into surface waters Early Successional Habitat LEGEND Development/Management (647) 1.4 (-) Restoration of Rare or Declining Natural Wildlife Mitigating practice Communities (643) habitat Upland Wildlife Habitat Management (645) I.11 (+) Organic Wildlife Habitat Planting (420) Associated practice I.10 (+) matter in soil I.3 (+) Quality of Desired #. Created by receiving waters plant growth I.5 (+) Creation of habitat for desired species rate D. Direct effect I. Indirect effect C.1 (+) Water C.2 (+/-) Biodiversity quality in the C.4 (+/-) Air quality in the C. Cumulative effect watershed airshed 1.6(+)Pathway Carbon C.5(+)storage Soil Notes: quality Effects are qualified with a plus (+) or minus (-). These symbols indicate C.3 (+/-) Income C.6 (+) Related only an increase (+) or a stability (individuals health of humans decrease (-) in the effect and community) and animals; (-) upon the resource, not associated costs whether the effect is beneficial or adverse

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