Tree/Shrub Site Preparation (490)

Forest Stand Improvement, 666 periodic tree removal to maintain

Tree/Shrub Establishment (Code 612)

Initial setting: 1) Nonforested sites capable of supporting woody plants; or 2) cutover forestland. Both settings lack desired woody species, and planting or seeding is needed to establish desired species.

1. Woody plants established

D.1 (+) Woody plant growth

D.2 (+) Canopy cover/vegetative structure

D.3 (+) Species composition change

D.4 (+/-) Crop/timber production

I.1 (+) Nutrient/pollutant uptake

I.2 (+) Carbon capture and storage

I.3 (+) Wood and other forest products

I.4 (+) Potential income

I.5 (+) Interception and infiltration of precipitation

I.6 (+) Trap sediment and sediment-attached pollutants

I.7 (-) Surface erosion, runoff, and sediment production

I.8 (+) Quantity and quality of tree/shrub habitat

I.9 (+/-) Forest and forest edge wildlife, fish, plants, beneficial organisms

I.10 (+/-) Recreation opportunities

I.11 (+) Shade

C.1 (+) Soil quality

C.2 (-) Greenhouse gases

C.3 (+/-) Landscape-scale structure/composition/function

C.4 (+) Quantity and quality of water produced, and groundwater recharge

C.5 (+) Health of humans and animals; (-) associated costs

C.6 (+/-) Income and income stability (individuals and community)

C.7 (+/-) Healthy wetlands and aquatic habitat

C.8 (+/-) Groundwater recharge and base flow

C.9 (+/-) Biodiversity

C.10 (+) Livestock productivity

C.11 (+) Water quality

LEGEND

#. Created by practice

D.# Direct effect

I.# Indirect effect

C.# Cumulative effect

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.