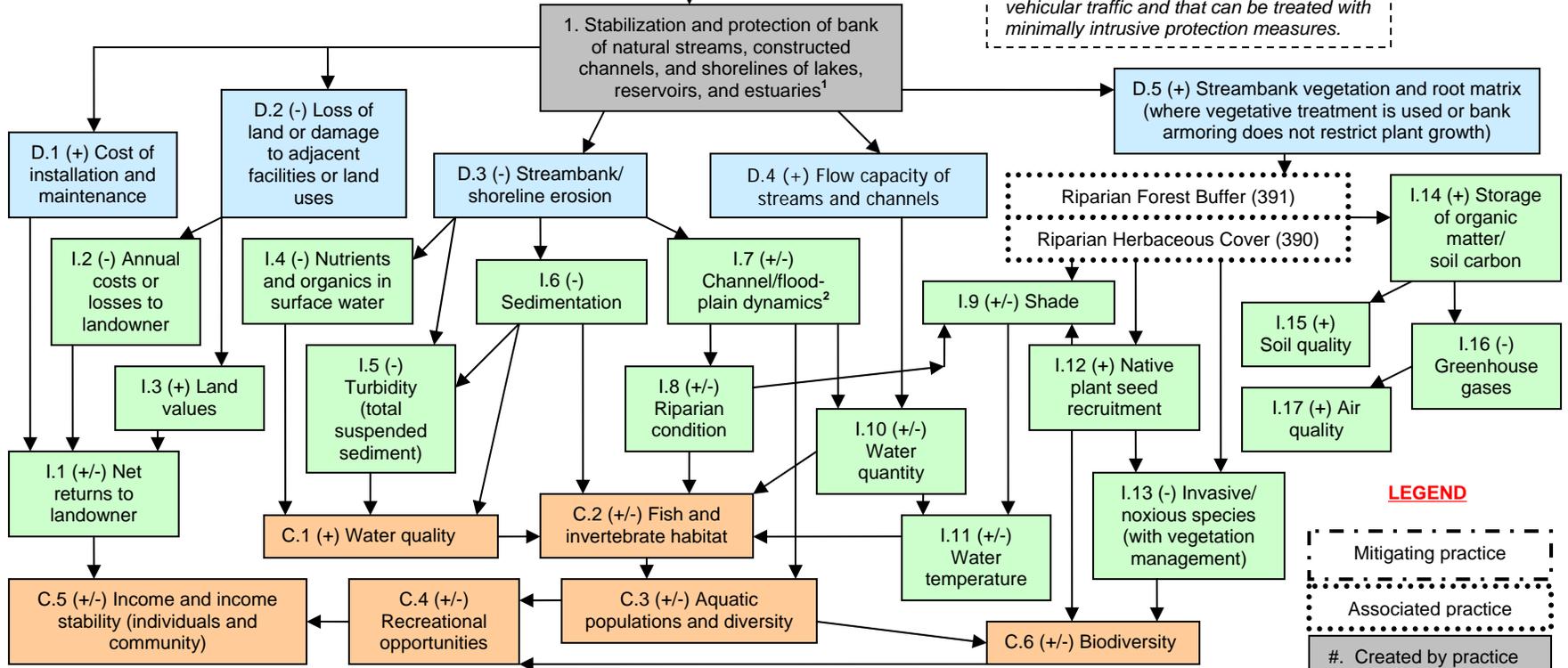


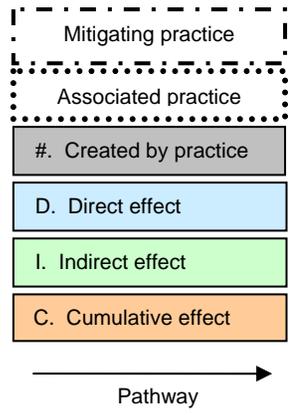
**Streambank and Shoreline Protection**  
4/1/2007

**Streambank and Shoreline Protection (580)**

*Initial setting: Small, in length or cubic feet, areas of streambanks of natural or constructed channels and shorelines of lakes, reservoirs, or estuaries that are susceptible to erosion from the action of water, ice, debris, livestock, pedestrians, or vehicular traffic and that can be treated with minimally intrusive protection measures.*



**LEGEND**



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.

**The scope of the practice implementation and resulting effects are limited to those described in the “initial setting”. Projects involving long lengths of bank or shoreline, structural controls, substantial earth moving and/or fill, or desirited waters may need to be evaluated in a site-specific EA.**

<sup>1</sup> Additional information about potential protection measures and their impacts is available in the EIS for the Emergency Watershed Protection (EWP) Program.

<sup>2</sup> Conventional bank armoring (e.g., rip rap, gabions) may result in decreased (-) channel/floodplain dynamics, and associated impacts, while other less intrusive methods (e.g., stream barbs, stone toes with sloped, vegetated banks) may result in increased (+) channel/floodplain dynamics.

The diagram above identifies the effects expected to occur when this practice is applied according to NRCS practice standards and specifications. These effects are subjective and somewhat dependent on variables such as climate, terrain, soil, etc. All appropriate local, State, Tribal, and Federal permits and approvals are the responsibility of the landowner and are presumed to have been obtained. All income changes are partially dependent upon market fluctuations which are independent of the conservation practices. Users are cautioned that these effects are estimates that may or may not apply to a specific site.