

Chapter 3 - OVERVIEW OF EROSION, SEDIMENT, AND STORMWATER CONTROL PRACTICES (BMPs)

WATER BAR

Narrow rights-of-way, logging roads, etc., on long slopes used by vehicles can be subject to severe erosion. Surface disturbance and tire compaction promote gully formation by increasing the concentration and velocity of runoff.

Water bars limit the accumulation of erosive volumes of water by diverting surface runoff at predesigned intervals. Water bars are constructed by forming a ridge or ridge and channel diagonally across the sloping right-of-way. Each outlet should be stable, considering the cumulative effect of upslope diversion outlets. The height and side slopes of the ridge and channel are designed to divert water and allow vehicles to cross.



Right-of-way diversions (water bars) prevent erosion from long narrow slopes.