## CONCEPTUAL MODEL OF FOREST ROAD SEDIMENT 1 2 **DELIVERY BASED ON PEER REVIEWED STUDIES GIS MODEL** Goal: an algorithm for estimating and mapping sediment delivery hazard Goal: align the science with from forest roads at regional methods for state-wide scales across NSW monitoring of forest road network and effectiveness of water quality risk mitigation 3 **REGIONAL SEDIMENT DELIVERY HAZARD MAP** 4 Goal: data collection method to **Goal**: mapping tool to identify how road design or identify where sediment FIELD PROTOCOL maintenance may trigger delivery may be an issue, and sediment delivery that is where to prioritise more problematic for water quality detailed monitoring 5 **6** FIELD ASSESSMENT (LEAD: SOIL CON NSW) **HAZARD SCORE** Goal: use a spatially Goal: test the field aggregated hazard score to protocol and generate identify 9 catchment for data to identify issues piloting the field methodology regarding WQ mitigation effectiveness, and shortcoming in the road **EVALUATION** design and/or maintenance. These **Goal:** evaluate field data to data are collated into a identify and prioritise score. Maintenance Score solutions

