

K. HYD-16 PROCEDURES FOR COMPLYING

Compliance with HYD-16 requires that the combined acreage of fuel treatments and logging activities be calculated for the Calwater Planning Watershed where VTP subsequent activities are proposed. Since the potential for disturbance from different fuel treatment activities and logging systems vary due to disturbance intensity, disturbance coefficients will be assigned for each specific activity (Table K-1) and percent disturbance will be calculated using equation K-1. Additional hydrologic analysis will be performed when the percent watershed disturbance exceeds 20 percent.

K.1

Percent Watershed Disturbance = [(Acres TreatedA1 x Disturbance CoefficientA1) + (Acres TreatedA2 x Disturbance CoefficientA2) +] ÷ (Calwater Planning Watershed Acres)

Where A1, A2, represent specific activities.

Table K-1. Disturbance coefficients to be used for HYD-16.

General Activity	Specific Activity	Per Acre Disturbance Coefficient
Fuel Treatment	Prescribed Fire	0.16
Fuel Treatment	Burn Piles	0.08
Fuel Treatment	Mechanical	0.5
Fuel Treatment	Hand Treatment	0.08
Fuel Treatment	Herbivory	0.08
Fuel Treatment	Herbicide	0.08
Logging	Clearcut	1
Logging	Shelterwood/Overstory Removal	0.75
Logging	Selection	0.5
Logging	Commercial Thinning	0.5