

Appendix 4: Monitoring Plan

RESOURCE	OBJECTIVE	TIMING	METHODOLOGY	RESPONSIBLE
Watershed	Monitor implementation and effectiveness of Best Management Practices (BMPs) in harvest units.	During and post timber sale activities.	Review at least three ground-based units, including one with a temporary road, for compliance with BMPs. Complete inspection report.	Sale Administrator/IDT/District Staff
Watershed	Monitor implementation and effectiveness of BMPs on road work.	During and post timber sale activities.	Review road work for compliance with BMPs and complete inspection report. Include two of the following: 902, 472, 8021, 8021B, 6084A, 6084C.	Engineering Representative/IDT/District Staff
Watershed/ Fisheries	Monitor implementation of Riparian Habitat Conservation Areas (RHCAs)	Prior to advertisement of timber sales and after harvest.	Monitor application of RHCAs during layout. Monitor protection of RHCAs post harvest.	Sale Prep Forester /Hydrologist/Fisheries Biologist
Soils	Monitor detrimental soil disturbance specifically on Units 1, 2, 3, 18, 20.	Pre harvest, post harvest, and post rehabilitation.	Utilize regional protocols.	Soil Scientist/ Hydrologist
Soils/Wildlife	Monitor implementation of prescribed large woody debris retention.	Post harvest and post fuel reduction activities.	Measure tons per acre of >3" down woody debris using Brown's protocol within a sample of units	Fire and Fuels Specialist/ Hydrologist/Wildlife Biologist
Fire	Wildfire management and pre-suppression through fuels management (both in harvest and other areas).	Ongoing	Monitor fuels levels and treatment needs and effects. Evaluate both long and short-term effects of completed or ongoing treatments. Monitor areas of risk with potential suppression problems.	Fire/Fuels Specialist
Silviculture /Fire/Soils	Determine whether Silv. Rx objectives were accomplished. Assess site preparation and tree planting needs. Review status of CWD on site. Verify or modify next treatment	Post harvest and prior to any site preparation or fuels treatment	Review selected treatment areas. Evaluate silvicultural objectives in light of accomplishments and, if necessary, modify the original prescription. Check for fuels treatment needs (e.g. excavator piling, no treatment, or different timing of Rx burn) and planting needs (e.g. excavator scalp, moving of slash, or different stock type needed)	Project Fuels Management Specialist/Project Silviculturist
Silviculture/ Noxious Weeds	Determine status of regeneration harvest units. Note presence or absence of noxious weeds	First, third and, if necessary, 5th year, following initial planting.	Monitor stocking and status of regeneration (planted or natural regeneration) using walk-through and standard plot exams that follow R1 procedures. Determine status of non-native plants using monitoring survey form	District Reforestation Specialist
Noxious Weeds	Noxious weed infestations for non-regeneration units	Pre-harvest and following timber sale activities	See Design Features for details.	District Weeds Specialist
Wildlife	Verify maintenance and retention of cavity habitat	Pre- and Post-harvest	Representative sample of units taken to determine retention of cavity habitat.	Wildlife Biologist
Wildlife	Determine effectiveness of burning to increase browse	2 - 5 years after burning	Walk-through survey to determine the species of browse and to what extent burning has stimulated browse.	Wildlife Biologist
Wildlife	Status of all closure devices - Gates- Barriers-Signing	Ongoing	Adopt-A-Road - Access Management - Law Enforcement	Access Management