

(i) The status of select watershed conditions.	
Evaluation Questions	Monitoring Indicators
<b>Monitoring issue i.1 - Aquatic Best Management Practices</b>	
Are BMPs planned and implemented at project scales?	Number of construction or reconstruction projects in aquatic or riparian areas per year that undergo BMP monitoring during and after project implementation
Are BMPs effective in protecting and improving waterbodies, banks/shorelines, or floodplains during project implementation?	Based on BMP survey results, percentage of monitored projects that demonstrate (a) success and (b) failure of BMPs to maintain water quality and ecosystem health
Are BMPs effective for longer-term sustainability of resources and project objectives?	
<b>Monitoring issue i.2 - Watersheds</b>	
Are ongoing and completed essential projects identified in watershed restoration action plans effective in improving watershed condition classes of priority sub-watersheds?	Number of sub-watersheds assessed every 5 years
Are key WCF indicators of the priority sub-watersheds improving, maintaining, or degrading? Key indicators may, for example, include water quality TMDL designations as stipulated by Section 303(d) of the Clean Water Act.	Number and type of key indicators classified as improving, remaining constant, or degrading across sub-watersheds
(ii) The status of select ecological conditions including key characteristics of terrestrial and aquatic ecosystems.	
Evaluation Questions	Monitoring Indicators
<b>Monitoring issue ii.1 - Forest Ecosystem Structure and Function</b>	
What are the spatial trends in forest stand seral conditions including age and structural distribution?	Forest type distribution
	Forest age-class distribution
	Forest structure distribution
	Old forest measurements of total area, patch size, interior core area and connectivity
<b>Monitoring issue ii.2 - Fish Habitat</b>	
Is aquatic habitat quality being maintained to support viable populations of focal fish species (chinook salmon, steelhead trout and bull trout)?	Stream evaluation inchannel data for substrate, large wood, temperature, pool frequency, and macroinvertebrates)
	Upslope data (mapped data for road layers and vegetation)
(iii) The status of focal species to assess the ecological conditions required under § 219.9.	
Evaluation Questions	Monitoring Indicators
<b>Monitoring issue iii.1 - Woodpecker Habitat</b>	
Are forest landscapes contributing desired snag numbers?	Percentage of the landscape within the DecAID thresholds.

(iv) The status of a select set of ecological conditions required under §219.9 to contribute to the recovery of federally listed threatened and endangered species, conserve proposed and candidate species, and maintain a viable population of each species of conservation concern.	
Evaluation Questions	Monitoring Indicators
<b>Monitoring issue iv.1 - Northern Spotted Owl</b>	
What is the health of the northern spotted owl population in the north cascades? Is the northern spotted owl population decreasing, stabilizing, or increasing across the Mt. Baker-Snoqualmie National Forest?	Results and conclusions from the Northern Spotted Owl Effectiveness Monitoring Plan
<b>Monitoring issue iv.2 - Marbled Murrelet</b>	
What is the health of the marbled murrelet population that inhabits murrelet Conservation Zone 1 (Puget Sound)? Is the marbled murrelet population decreasing, stabilized or increasing?	Trend in acres of suitable nesting habitat within Mt. Baker-Snoqualmie N.F.
	Trend in marbled murrelet densities within murrelet Conservation Zone 1 within Mt. Baker-Snoqualmie N.F
	Trend in juvenile ratios (ratio of juveniles to after-hatch-year birds) within marbled murrelet Conservation Zone 1.
	Results and conclusions from the Marbled Murrelet Effectiveness Monitoring Plan for the Northwest Forest Plan that relate to marbled murrelet population health and distribution.
(v) – The status of visitor use, visitor satisfaction, and progress towards meeting recreation objectives.	
Evaluation Questions	Monitoring Indicators
<b>Monitoring issue v.1 - Recreation Opportunities</b>	
What is the Current Use and demand for recreation activities and settings in the Mt. Baker-Snoqualmie National Forest?	Number of visitors by setting and activity and percent of satisfaction with the opportunities, settings, and activities offered by the Forest
Are visitors satisfied with the settings, opportunities and activities offered in the Mt. Baker-Snoqualmie National Forest?	
(vi) Measurable changes on the plan area related to climate change and other stressors that may be affecting the plan area.	
Evaluation Questions	Monitoring Indicators
<b>Monitoring issue vi.1 - Invasive Plants in Wilderness Areas</b>	
Are invasive plants increasing within designated wilderness areas in response to climate change?	Percent of infestation treated within treatment area
Are new infestations of invasive plants being detected within designated wilderness areas?	
<b>Monitoring issue vi.2 - Forest Health</b>	
What is the extent of outbreaks and infestations, are they within range of natural variability?	Acres of stands affected by insect and disease
What are the trends in outbreaks and infestations?	Trend of detectable acres of high tree mortality (insect/draught-stress)

	What are the impacts of stressors such as insects, disease, animal damage, and air pollution to growing stock levels?	
(vii) Progress toward meeting the desired conditions and objectives in the plan, including for providing multiple use opportunities.		
	Evaluation Questions	Monitoring Indicators
Monitoring issue vii.1 - Timber Production		
	Is timber sale quantity similar to level predicted in the 1990 forest plan?	Cut and sold timber volume
		Special forest products harvested
Monitoring issue vii.2 - Heritage Resources		
	Are sufficient cultural resource inventories being conducted where required?	Cultural resource inventory of ground-disturbing and other appropriate projects.
	Are known heritage sites being protected/preserved?	Protection or mitigation of project effects for cultural resource sites.
	Are Native American tribes being consulted as appropriate?	Tribal Coordination during implementation of the Forest Plan
Monitoring issue vii.3 - Deer, Elk, and Mountain Goat Habitat		
	Are management actions maintaining habitat for deer, elk, and mountain goat at levels expected in the Plan?	Population trends and distribution of deer, elk, and mountain goats.
Monitoring issue vii.4 - Transportation and Road Management		
	What is the trend in system road mileage?	Percentages of planned road closures that are implemented and existing closures that are effective.
	Are road closures being implemented as planned and are the closures effective?	Number of road system miles, reported by maintenance level.
	What is the trend in road decommissioning?	Number of road miles decommissioned or stabilized, both across the forest and within priority sub-watersheds identified via WCF implementation.
	Are road maintenance and stabilization needs identified in Watershed Analyses or in site-specific travel management decisions being accomplished?	
Monitoring issue vii.4 - Tribal Consultation		
	Has the Forest consulted or coordinated with tribal governments in project development, planning, monitoring, and implementation?	Tribal consultation and coordination during project planning and implementation
(viii) The effects of each management system to determine that they do not substantially and permanently impair the productivity of the land.		
	Evaluation Questions	Monitoring Indicators
Monitoring issue vii.1		
	Is allowable sale quantity programmed and harvested only on those lands classified as suitable for timber production?	Percentage of acres programmed and harvested on suitable lands.