

**Table 4: Impact Implications on Maintenance of Ecosystem Condition and Productivity**

Forest Management Activities		Disturbance & Stress				Biomass
		Insect Infestation	Disease Incidence	Forest Fires	Introduction of Exotic Species	Mean Annual Increment
<b>Planning</b>	Public Participation					
	Road & Watercourse Crossing Planning	*	*			
	Harvest & Renewal Planning	*	*	*		M / *
	Sustainability Modeling					M / *
	Information Collection & Application	*	*	*		M / *
	Access Management			M	I	
<b>Infrastructure Development</b>	All-weather Road (Class I & II)	*	*	*		
	Dry-weather Road (Class III)			*		
	Winter Road (Class IV)					
	Road & ROW Maintenance			*		
	Permanent Watercourse Crossings					
	Temporary Watercourse Crossings					
	Camps, Timber & Fuel Storage Sites			M / *	I	
	Non-hazardous Construction Waste					
	Decommissioning				*	
<b>Harvesting</b>	Logging (Felling/Forwarding)	M / *	*	*	I	M
	Slashing & Woody Debris Management	I		I / *		
	Timber Storage	M				
	Timber Transportation to Mill					
<b>Forest Renewal</b>	Site Preparation / Scarification				*	*
	Tree Establishment (Natural & Planting)	*	*		*	*
	Mechanical Stand Tending					*
	Chemical Stand Tending					*
<b>Forest Protection</b>	Insect & Disease Control	*	*			*
	Fire Control			*		*
<b>Equipment Use</b>	In-block Operations			M	I	
	Fuel Storage & Handling			M		
	Non-hazardous & Hazardous Waste					

Note: Ecological Diversity Component for Landscape Level, Forest Composition (Species & Age Class Structure – Non-forested Areas) from Table 1 represents impact implications for Ecosystem Resilience as they apply to Table 4. This component is not repeated in this table, refer to Table 1 and associated textual description.

Species Diversity Components for Representative Species (Moose, Woodland Caribou, etc.) from Table 2 represents impact implications for Biomass in terms of wildlife productivity as they apply to Table 4 and the Productive Capacity for Sustainable Wildlife Habitat as they apply to Table 7. This component is not repeated in this table, refer to Table 2 and associated textual description.