

Table 1: Impact Implications on Conservation of Biological Diversity (Ecological, Species & Genetic Vegetation Diversity)

Forest Management Activities		Ecological Diversity						Species Diversity	Genetic Diversity
		Site / Stand / Cutblock Level				Landscape Level			
		Overstory Vegetation	Understory Vegetation	Forest Stand Structure	Wetlands & Other Non-Forested Areas	Forest Composition (Species & Age Class Structure – Non-forested Areas)	Landscape Patterns & Fragmentation	VTE Flora	Maintain Gene Pool
Planning	Public Participation								
	Road & Watercourse Crossing Planning							I	
	Harvest & Renewal Planning					M	M	I	M / *
	Sustainability Modeling					M / *	M		
	Information Collection & Application					M / *	M / *	M / *	
	Access Management								
Infrastructure Development	All-weather Road (Class I & II)	N	N	N	N	I	I		
	Dry-weather Road (Class III)	M	M	M	M				
	Winter Road (Class IV)	M	M	M	M				
	Road & ROW Maintenance	I	I	I					
	Permanent Watercourse Crossings				I				
	Temporary Watercourse Crossings				I				
	Camps, Timber & Fuel Storage Sites	I	I	I					
	Non-hazardous Construction Waste								
Decommissioning	*	*	*	*					
Harvesting	Logging (Felling/Forwarding)	M	I	M	I	M	M		I
	Slashing & Woody Debris Management			I					
	Timber Storage								
	Timber Transportation to Mill								
Forest Renewal	Site Preparation / Scarification	*	I			*			
	Tree Establishment (Natural & Planting)	* / I		*		*			M / *
	Mechanical Stand Tending	*	I			*			
	Chemical Stand Tending	I / *	M			I / *			
Forest Protection	Insect & Disease Control					I / *			
	Fire Control					I / *			
Equipment Use	In-block Operations		I		I				
	Fuel Storage & Handling								
	Non-hazardous & Hazardous Waste								

Note: Ecological Diversity Component for Landscape Level, Forest Composition (Species & Age Class Structure – Non-forested Areas) from Table 1 also represents impact implications for this component as they apply to Table 4: Maintenance of Ecosystem Condition and Productivity, Ecosystem Resilience, in terms of Forested and Non-forested Composition.

Legend: Blank Cell – Not Applicable / No Impact; “I” – Insignificant / Mitigable; “M” – Significant / Mitigable; “N” – Significant / Non-mitigable; * - Positive