Attachment 12. Homogenous versus Complex Upland Ecosystems in the Cosh Creek Area¹.

THPOG Definition of Simple	THPOG Definition of Complex	Key Block Attributes
(homogenous) Upland Ecosystem	(heterogeneous) Upland Ecosystem	(Reconnaissance Notes, Site Plan Data, etc.)
Common Vegetation types include V17,	Common Vegetation types include	All blocks in the Cosh Creek area are composed of V17,V11, V22 with V16 at the
V11 and V22	V12, V18, V28, V33 and V14	higher elevations. This suggests that it is Simple (homogenous) Upland ecosystem
		that borders on the sub alpine.
Flat to rolling terrain	Occurs on highly textured terrain	Notes indicate the terrain in the Cosh Creek area was found to be even to rolling. It
	conditions, such kettles, kames and	is best characterized as elongated morainal blankets and veneers over bed-rock (i.e.,
	glaciofluvial soils.	not the highly textured glacial-fluvial terrain characteristic of complex uplands).
Large even-aged stands common.	Even-aged stands common.	Large even-aged stands were present in the Cosh Creek area. Individual forest
		inventory polygons exceed 100 hectares in size.
	Constant and the Character	
	Stand sizes are smaller than Simple	Timber cruise information indicates pine, spruce, and fir is present in virtually every
	(homogenous)	forest type. Since only the proportion of each species varies in each stand, there is
	Upland resulting in a distinct mosaic of forest types.	no mosaic of distinct forest types.
Large stand replacing events are more	Stand maintaining surface fires have a	Although the return interval is greater than 100 years, coarse woody debris levels,
common. The mean disturbance return	return interval of 4-50 years, while	understory regeneration, low incidence of fire scars, high live crown percentages,
interval is likely 80-100 years. Crown	stand initiating events are less common	and high stand densities provide evidence that frequent stand-maintaining surface
closure is generally poor to moderate,	and likely to have a return interval as	fires have not contributed to stand history in the Cosh Creek area.
ranging from 40-65%. As a result, ladder	long as 120-150 years. The stand	The shave not contributed to stand instory in the Cosh Creek area.
fuels are abundant and the terrain presents	maintaining surface fires result in wide	
little physical impediment to fire spread.	spaced veteran trees with heightened	
	live crowns, that may show as many as	
	3-4 fire scars.	
Aspen and spruce exist in discrete	Patches of hardwood species are	Patches of hardwood species are not common in the Cosh Creek area (with the
pockets.	relatively common. Aspen and spruce	exception of south aspects and Lowlands that have been included in the FEN).
	are more prevalent than in Simple	Spruce is mixed, relatively uniformly, throughout the pine/spruce/fir forest types.
	(homogenous) Upland.	Overall, pine is the dominant species.
	Lichen is a common canopy component	Due to its high value as caribou winter range, extensive lichen sites were excluded at
	of these stands and may depend on the	the landscape level reducing the potential of proposing harvesting in these areas. At
	unique disturbance pattern in these	Cosh Creek, feather mosses dominate the proposed blocks with little to no cover of
	stands.	lichen.

¹ Adapted from P. Shuetz, 2004., pers. comm.