

SOILS OF THE ASHCROFT MAP AREA

TUNKWA SOILS<sup>1,2,3</sup> (TW)

Location and Forest Zone	Parent Materials and Texture	Map Symbol	Most Common Soil		Less Common Soil		Comments
			Classification	Drainage	Classification	Drainage	
<p>Thompson and Fraser Plateau Physiographic Regions; Dry Interior Forest Region; Interior Douglas-fir zone (without seral ponderosa pine).</p> <p>Very extensive distribution, mostly between Kamloops Lake and Merritt, and north of Kamloops Lake and Thompson River. Less extensive areas occur south of the lower Nicola Valley.</p>	<p>Silt loam or loam, mildly alkaline, morainal deposits associated with volcanic bedrock. Generally slightly to very stony.</p> <p>A modal profile (Orthic Gray Luvisol) described and sampled.</p> <p>Elevations range from 1050 to 1650 m (3500 to 5500 ft).</p>	TW1	Orthic Gray Luvisol	w	-	-	Gently sloping to strongly rolling (5-30% slopes).
		TW2	Orthic Gray Luvisol	w	Degraded Eutric Brunisol	w	Up to 40% inclusion of less common soil which has developed under edaphically or climatically drier conditions. These may be due to southerly aspects, lower elevations or combination.
		TW3	Orthic Gray Luvisol	w	Brunisolic Gray Luvisol	w	Up to 40% inclusion of less common soil which has developed under edaphically or climatically moister conditions. These may be due to northerly aspects, upper elevations or combination.
		TW4	Orthic Gray Luvisol	w	Orthic Black	w	Up to 40% inclusion of less common soil which has developed mainly under grass and shrub vegetation.
		TW5	Orthic Gray Luvisol	w	Lithic Gray Luvisol	r	Up to 40% inclusion of less common soil which is <50 cm thick over bedrock.
		TW6	Lithic Gray Luvisol	r	Rock Outcrop	r	Most common soil is <50 cm thick over bedrock. Up to 40% inclusion of rock outcrops.
		TW10	Orthic Gray Luvisol	w	Orthic Gray Luvisol	w	Up to 40% inclusion of taxonomically similar less common soil with an identifiable plough layer.
		TW11	Orthic Gray Luvisol	w	Orthic Dystric Brunisol	w	Up to 40% inclusion of less common soil with somewhat coarser textures.
		TW12	Orthic Gray Luvisol	w	Orthic Sombric Brunisol	w	Up to 40% inclusion of less common soil which has developed under mainly shrub and forb vegetation in areas subject to exposure (cold temperatures).