



<b>QUATERNARY</b>	<b>PLEISTOCENE AND RECENT</b>	<b>CRETACEOUS</b>	<b>CRETACEOUS (?) AND TERTIARY</b>
Q	Glacial, alluvial, and fluvial deposits	<b>LATE CRETACEOUS</b>	<b>ODISA LAKE GROUP (E, and uKE)</b>
uK	Olivine basalt rocks and flows	uK	Basaltic to basaltic volcanics undivided; mainly greenish amygdaloidal flows, basalt, and intermediate tuff and breccia (intermediate felsitic variety; may in part or entirely be equivalent to uKE and uK)
uKv	Plateau basalts: olivine basalt; flows, minor breccia and scattered near base	<b>UPPER CRETACEOUS</b>	<b>KASASKA GROUP</b>
		uKk	Rhyolite to andesite flows, breccia, tuff, and talar; minor red conglomerate and sandstone at base
			<b>MIDDLE ALBIAN (wholly or entirely)</b>
			<b>SKENA GROUP</b>
			Miocaceous sandstone, siltstone, and shale; minor conglomerate
			<b>HAUTERIVIAN (?)</b>
			<b>GAMBIE GROUP (IKG)</b>
			Thick bedded andesite to rhyolite flows, tuff, and breccia; minor conglomerate, sandstone, and siltstone
			<b>JURASSIC</b>
			<b>BATHONIAN TO LOWER CALLOVIAN</b>
			<b>UPPER</b>
			<b>ASHWIN FORMATION:</b> thin bedded shale, siltstone, sandstone, greywacke, limy shale; minor chert-pebble conglomerate and tuff
			<b>LOWER AND MIDDLE JURASSIC</b>
			<b>HAZELTON GROUP (J2 to mJA)</b>
			<b>MIDDLE BAJOICAN</b>
			<b>UPPER</b>
			<b>TOARCIAN TO LOWER BAJOICAN</b>
			<b>UPPER</b>
			<b>TOARCIAN (?)</b>
			<b>IRK</b>
			Red tuff member (of Nitkila Formation): brick-red, narrow, purplish, and green fine-grained breccia and tuff
			<b>SINEURIVIAN (?)</b>
			<b>IT</b>
			Telaga Formation (in part): variegated red, brown, grey, green tuff, breccia, and flow of basaltic to rhyolitic composition; lesser volcanic conglomerate, red sandstone, red siltstone, argillite
			<b>ITa</b>
			Telaga Formation (in part): light coloured rhyolite to dacitic breccia and tuff; minor cobble conglomerate
			<b>TRIASSIC</b>
			<b>UPPER TRIASSIC</b>
			<b>IR</b>
			Green, grey breccia, and red tuff of basaltic to andesitic composition and with pyroxene phenocrysts; lesser volcanic sandstone, argillite
			<b>PERMIAN AND TRIASSIC</b>
			<b>LOWER PERMIAN AND UPPER TRIASSIC</b>
			<b>PR1</b>
			Lower Permian: white, crystalline limestone, thin bedded black limestone, dolomitic limestone with chert nodules, foliated green and black shales; lower Triassic: thin bedded black shale and calcareous siltstone, limestone-boulder conglomerate, limestone
			<b>PERMIAN AND/OR OLDER</b>
			<b>PRh</b>
			Quartzite schist and orthite, gabbro, mica-gneiss and related schists, metamorphosed to greenschist and amphibolite facies
			<b>PALEOZOIC (?) AND/OR YOUNGER</b>
			<b>PMa</b>
			Thin bedded, rusty-weathering siliceous porphyritic volcanic, rhyolite, and siliceous sediments; minor argillite, limestone; all weakly metamorphosed, greenschist
			<b>PALEOZOIC (?)</b>
			<b>"GAMSBY GROUP" (PG)</b>
			<b>PG</b>
			Felsic and mafic tuff and volcanoclastic sandstone, amygdalite, amphibolite, lesser marble, skarn, feldspar gneiss, mylonite, and schist; all metamorphosed to greenschist and (?) amphibolite facies; contact with PGC is transitional
			<b>Pf</b>
			Quartz-feldspar - biotite - hornblende schist; amphibolite; lesser granitoid gneiss, minor marble and skarn; all metamorphosed to amphibolite facies
			<b>CENTRAL GNEISS COMPLEX</b>
			<b>PGC</b>
			Granitoid gneiss, orthogneiss, amphibolite plutonic rock, and amphibolite; lesser plutonic rock, schist, marble, and skarn; grades into PG and MPg
			<b>GRAWITOID ROCKS</b>
			<b>TERTIARY</b>
			<b>Eocene</b>
			<b>EG</b>
			Odessa Lake intrusions: porphyritic gabbro and diabase related to EMv
			<b>Eg</b>
			Granite, quartz monzonite, quartz porphyry, felsite; lesser granodiorite and quartz diorite; partly equivalent to Nantux intrusions
			<b>PALEOENE AND EOCENE</b>
			<b>ETg</b>
			Grey to pink felsitic porphyry of granitic to quartz dioritic composition; lesser non-porphyrific granite, granodiorite; partly equivalent to Buerkes intrusions
			<b>Tg</b>
			Granodiorite, quartz monzonite, granite; lesser gneiss and amphibolite; K-feldspar megacrysts locally abundant; mafic fresh, biotite or hornblende - hornblende amphibolite in well foliated; locally grades into PGC and MPg
			<b>CRETACEOUS AND/OR TERTIARY</b>
			<b>LATE CRETACEOUS AND/OR EARLY TERTIARY</b>
			<b>KTD</b>
			Diorite, gabbro, microdiorite, syenodiorite; partly equivalent to Kasaska intrusions

**GEOLOGY OF WHITESAIL LAKE (93E) map-area B.C.**

O.F. 708

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Scale 1:250,000  
 1 inch to 4 Miles Approximately

Contour interval: 500 Feet  
 All Elevations in Feet above Mean Sea Level

Transverse Mercator Projection

Miles 0 5 10 15 20  
 Kilometres 0 5 10 15 20

REFERENCE

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