

Sample No.	Classification - Composition	Fabric	Accessories	Central Mineralogical Services Comments
45925 (T.S. 42830)	Altered Labile Psammite. Pervasively dolomite-stained talc aggregates with minor relict detrital quartz, degraded (weathered) feldspar, conspicuous relict detrital silt-sized leucoxenic semi-opaques.	Relict semi-turbidite-like silty fine sandy, weakly bedded clastic. Incipiently sheared.	Thinly disseminated pyrite with incipient pressure shadows.	Primarily a labile turbiditic sandstone ("tuffaceous greywacke"). The talc-dolomite assemblage appears "retrograde" after tremolite; possibly shear-related.
45926	Altered Labile Psammite. Framework of thoroughly chloritised/variably dolomite-stained, poorly determinate lava clasts, minor similarly altered feldspar grains, sparse quartz. Fe-stained chloritic matrix.	Weakly bedded, turbidite-like silty fine sandstone with sparse platy "mega-clasts". Incipiently sheared.	Conspicuous hematitic clastic opaques; sporadic chlorite-carbonate films, veinlets.	Thoroughly chloritised, carbonated tuffaceous greywacke. Recognisable lava clasts are basaltic-andesitic. Chlorite conceivably after tremolite actinolite, but no positive evidence.
48242	Altered Labile Psammite. Calcite with subordinate/variable proportions of variably chloritised actinolite; conspicuous leucoxenic semi-opaques. Sparse calcite veins.	Weakly directed, medium-grained, marble-like. Relict bedded fine- to medium-grained "turbiditic".	Disseminated (detrital) magnetite. Traces pyrrhotite, rare pyrite, chalcopyrite.	Affinities with 45925, 45926. Calcite-chlorite assemblage corrodes the contact-metamorphic/metasomatic actinolite, but predates weak recrystallization.
48244	Hornfelsed Psammite. Microcrystalline quartz and biotite with relict framework of (biotitic, variably pyrite-stained) lava and pelitic clasts, minor plagioclase, sparse quartz grains, chert fragments.	Weakly bedded, poorly sorted (silty to coarse sandy) with a micro-hornfelsic overprint.	Relict detrital opaques, leucoxenic semi-opaques.	Low-grade, hornfelsed labile psammite. Biotite is of weakly metasomatic character. Pyrite is secondary after pyrrhotite.
48245	Hornfelsed Psammite. Relict framework of (phlogopite-chlorite-stained) lava clasts, relatively conspicuous plagioclase, quartz grains. Phlogopite matrix. Patchy quartz-chlorite veining with chloritic selvages.	Fine-grained, hornfelsic overprint on poorly sorted (silty to medium sandy), weakly bedded, turbiditic.	Fine-grained magnetite (recrystallized, detrital). Traces schorl, arsenopyrite, monazite (veins).	Tuffaceous greywacke with characteristic phlogopite reflecting Mg-metasomatism (analogous to e.g. Renison wall rocks) and later "retrograde" chloritisation, tourmalinisation.
48247	Altered Labile Pelite. Cloudy microcrystalline actinolite with corroded relics of silty to fine sandy clastic plagioclase, microcrystalline quartz, feldspathic material. Sporadic clots, films of pyrrhotite.	Hornfelsic. Relict silty to fine silty pelitic bedding alternations displaced by actinolite films.	Magnetite and leucoxenic semi-opaques.	Albite-epidote hornfels facies contact-metapelite, labile (feldspathic? reworked ash). Fairly typical of the finer Crimson Creek formation labile turbidites.
48252	Hornfelsed Pelite. Ultrafine tremolite-actinolite partly replaced by cloudy ankeritic carbonate. Frequent clots of tremolite + phlogopite with minor quartz, chlorite.	"Spotted hornfelsic" with faint relict pelitic bedding. Extremely fine-grained.	Conspicuous ultrafine opaques, leucoxenic semi-opaques.	Hornfelsed sub-labile pelite. Fine details obscured by late carbonate-chlorite alteration, but evidently cordieritic, hornfelsed, subsequently tremolite-actinolite (metasomatised).
48248	Altered Labile Psammite. Relict framework of phlogopitic and actinolite-stained lava clasts, phlogopite-stained plagioclase, minor chert fragments, quartz grains. Phlogopite matrix.	Extremely fine hornfelsic overprint on turbiditic, weakly bedded, silty fine sandy clastic.	Sparse actinolite, phlogopite veinlets. Conspicuous relict detrital Fe-oxides.	Close affinities with 48245. Phlogopite is mildly actinolite-replacive, although texturally near-contemporaneous. Late chloritic assemblage (e.g. 48245) is absent.