

Figure 9: Geology agrees with the Fold Scheme

Here we show a map of lithologies generated from discriminant plots of multielement XRF data.

All XRF data is from 400 x 100m historic auger samples with some drill holes where available. New auger samples await to be analyzed.

Blank spaces are rejected data or no sample.

Geology is broadly supportive of the NNW F3, tight F2 folding around F3 and “wandering” F1 fold scheme the geology is somewhat aliased because of the auger sampling grid on which the geology is based. As such a lot of detail is missed especially NW-NNW striking fold limbs unless thicker than 400m and therefore many fold closures will also be missed.

Fold axes are only here schematically as indicated by lithological outlines.

Particularly compelling support for the interpretation is the thicker “unit” of folded andesite traced with the white dash.

Key:

Andesites 2 types– Greens

Sediments – Red (Sandstones, siltstones with subordinate carbonaceous shale)

Basalts (OIB & minor MORB) – Light Blue

Dacites 2 types – Purple

