

Selected Samples of Sediments & Volcanics of the
Kamloops Group overlying the Intrusive
Rocks on Krain & North Cadco

Cd 33. reddish orange arkosic sediment. ~ 20' above contact.
 Spec. O.C. on Road just south of first intrusive O.C.

S-33-50'E; Cd 51.

Core specimen from D.D.H. S-33 estimated at about 50' above intrusion. Cd-51 from road cut on South Krain elev ~ 5800'. Probably plagioclase-hornblende-biotite crystal tuffs.

S-33-100'H;

Core specimen from D.D.H. S-33, estimated to be about 100' above intrusives. Poorly sorted, weathered mixed Volcaniclastic conglomerate.

Cd 43. Elevation about 5550', near border of South Cadco and Krain. A dark grey conchoidal fracturing glassy groundmass. Hornblende-augite-plagioclase porphyritic basaltic andesite. Probably about 50' above intrusives.

S-33-150'K;

Core sample from D.D.H. S-33 estimated at about 150' above intrusion.

Reddish hematite altered matrix flow breccia or agglomerate. Fragments are nonvesicular plagioclase hornblende-biotite porphyry.

Cd 1. Outcrop immediately north of the main showing on Krain; Elevation about 5600'. Here it lies about 50' above the intrusive rocks lying to the south. Stratigraphically it appears to lie between 150' and 200' above the intrusive rocks. (an E-W fault zone with the north side up may explain this feature)

The specimen is a grey aphanitic to sugary groundmass, well linedated, flow banded hornblende, plagioclase biotite andesite porphyry. Mafic phenocrysts are often oxidized to reddish coloured oxy-pseudomorphs. Inclusions or clots of coarse to medium grained biotite-hornblende-plagioclase are common and make a good criteria for recognition of this unit.

- L-S-33 Sample from D.D.H. S-33 estimated to be about 180' above the intrusion.
Identical to Cd 1.
- Cd 28. located in main gully on creek bed, on the NW flowing creek on North Cadco. Probably 300' above the contact with the intrusives. The specimen is a glassy to sugary grey to greyish purple groundmass, trachyloid plagioclase medium grained augite porphyry. It is similar to Cd 1. and L-S-33, except that no hydrous mafics are present. Clots (or inclusions) of augite and plagioclase are common, similar to the above hydrous mafic-plagioclase clots.
- Cd 46. Located about 500' to 600' north of Krain property on the 5530' contour, estimated to be about 330' above the intrusive rocks. This specimen is similar to Cd 1., L-S-33 and Cd 28. except biotite is the dominant mafic; and the clots are biotite plagioclase.
- Cd 8. Located above the small lake north of Krain at the 5800' contour level. The specimen is a reddish coloured agglomerate with fragments of the previously discussed units. Fragments with hornblende phenocrysts are common and are not found above this unit. Similar outcrops of agglomerate were noted at the 5800' contour level in two places on the North Cadco property. In these latter two localities, it appears that the unit is stratigraphically 400' to 350' above the intrusives. Above this layer, the rocks become much darker, and more vesicular. Plagioclase is less prominent and no hydrous mafics were noted.
- Cd 51. Overlying the agglomerate; vesicular basalt
- Cd 9. Fine grained basalt; flow rock with a vesicular and brecciated top.
- Cd 22. Dark non vesicular basalt.

Above the 5800' level, from North Krain to the north end of Cadco are all assorted, thin bedded vesicular basalt flows.

Schematic Cross Section of West-Northwest side of Forge Mountain. Krain and North Cadco Properties.

6300'
6200'
6100'
6000'
5900'
5800'
5700'
5600'
5500'
5400'

Upper Volcanic Sequence

Basalts and basaltic andesites;

Thin bedded flows, generally with dark grey aphanitic groundmass, phenocrysts of olivine and augite, locally with plagioclase. Flows generally have vesicular tops, and flow breccia, often strongly reddish coloured.

Vesicles may be lined with rounded balls of "cristobalite" and fine brown hairlike crystals (iron pyroxene ?).

Lower Volcanic Sequence

Red Agglomerate;

Feldspar porphyry. Upper andesitic flows contain abundant augite as phenocrysts, Lower flows contain hornblende and/or biotite. All contain medium grained clots of plagioclase and mafics (similar to those found as phenocrysts). Local Red Agglomerate and tuffs; both rich in hydrous mafics.

Dark grey, non vesicular hornblende augite-plagioclase porphyries.

Volcaniclastic sediments and crystal tuffs.

Guichon Batholith

Cd 51, 9, 22

Cd 8

Cd 28

Cd 1

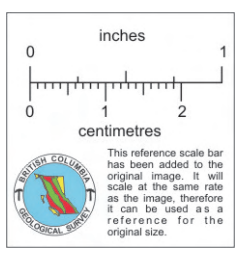
S-33 150K
Cd 46

Cd 43

S-33-100H

S-33, 50E; Cd 51

Cd 33



Specimen locations are approximate.