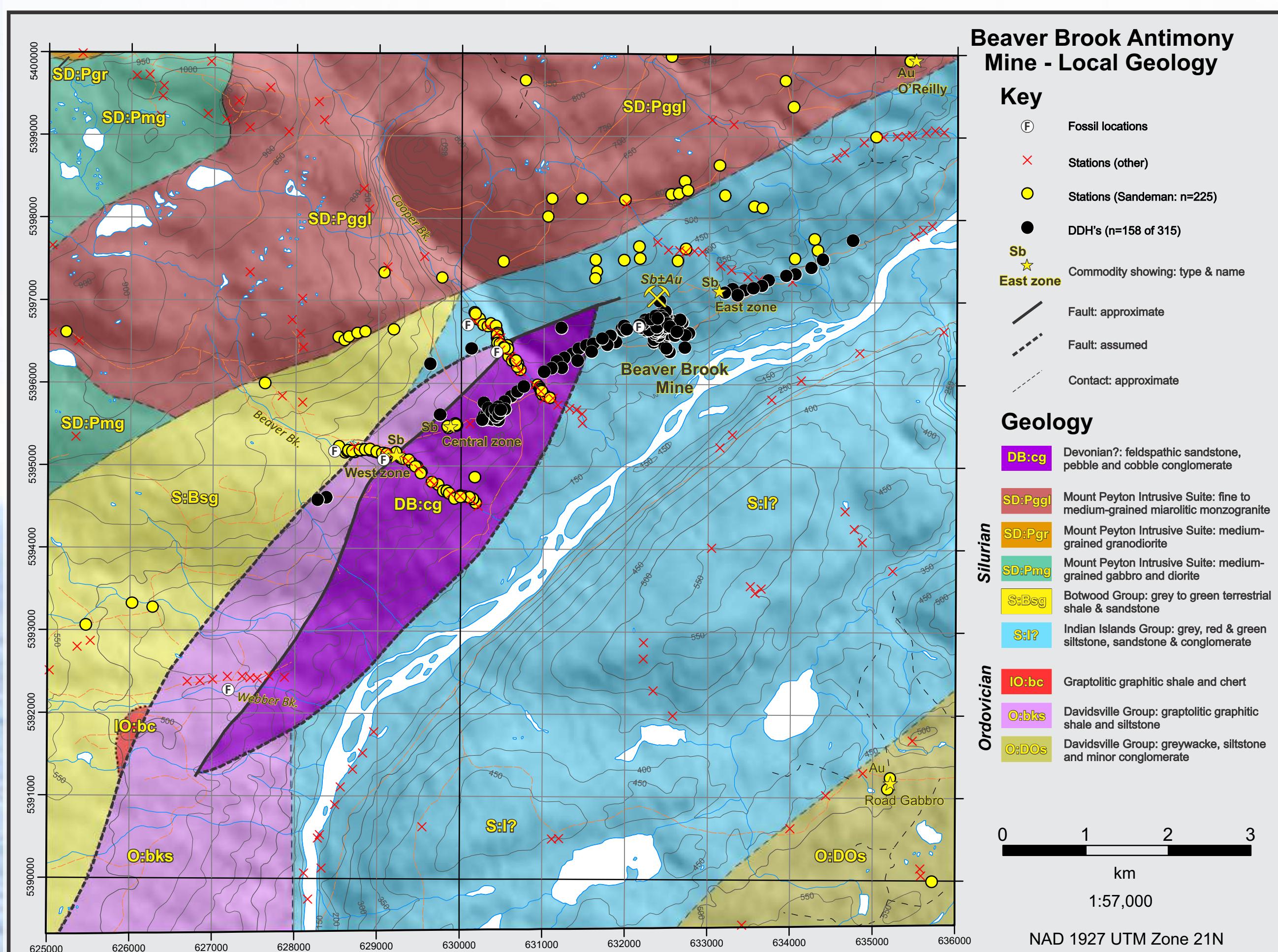


# BEAVER BROOK MINE AND Au-Ag-Sb MINERALIZATION ALONG THE TRACE OF THE DOG BAY LINE

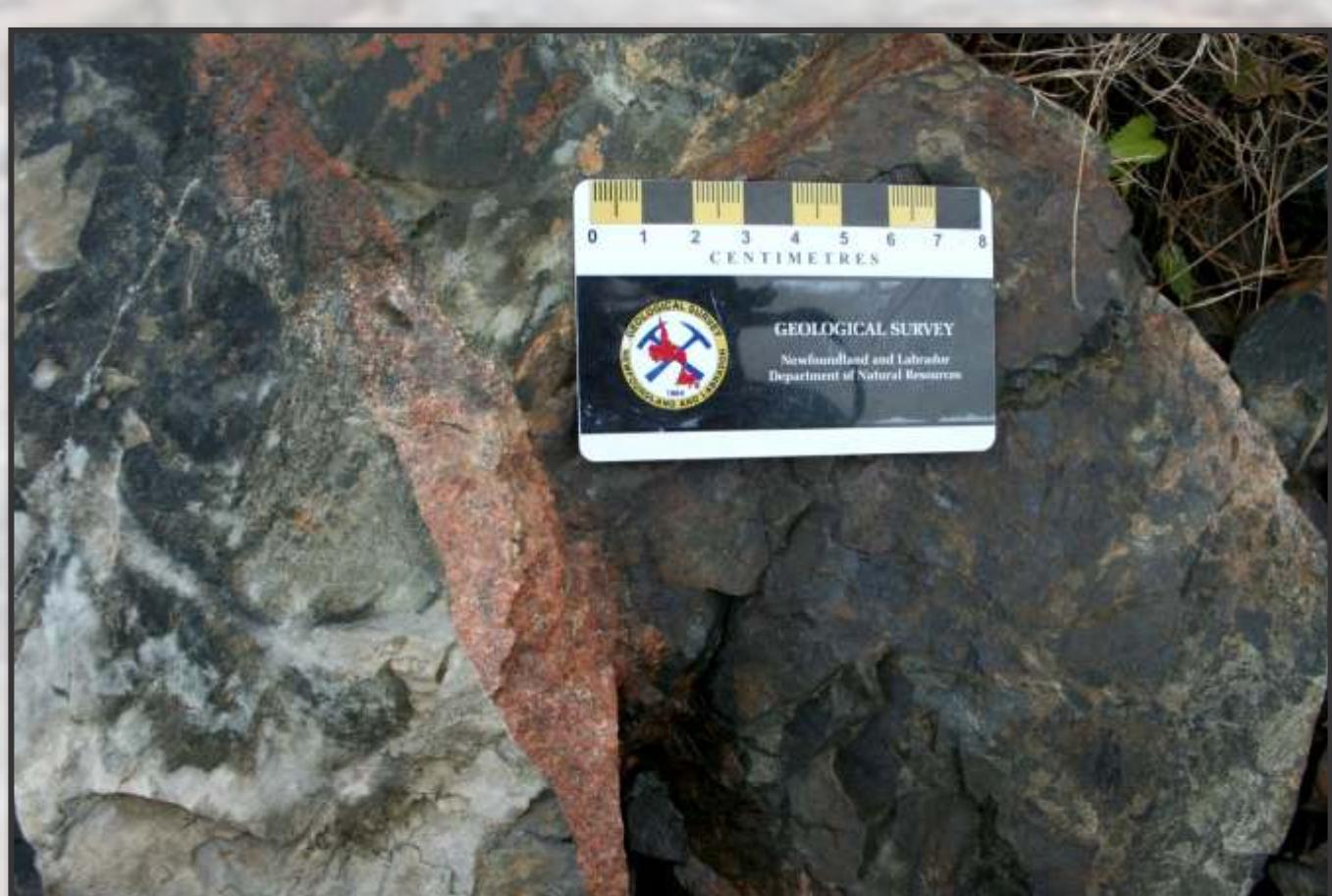
## Hamish Sandeman



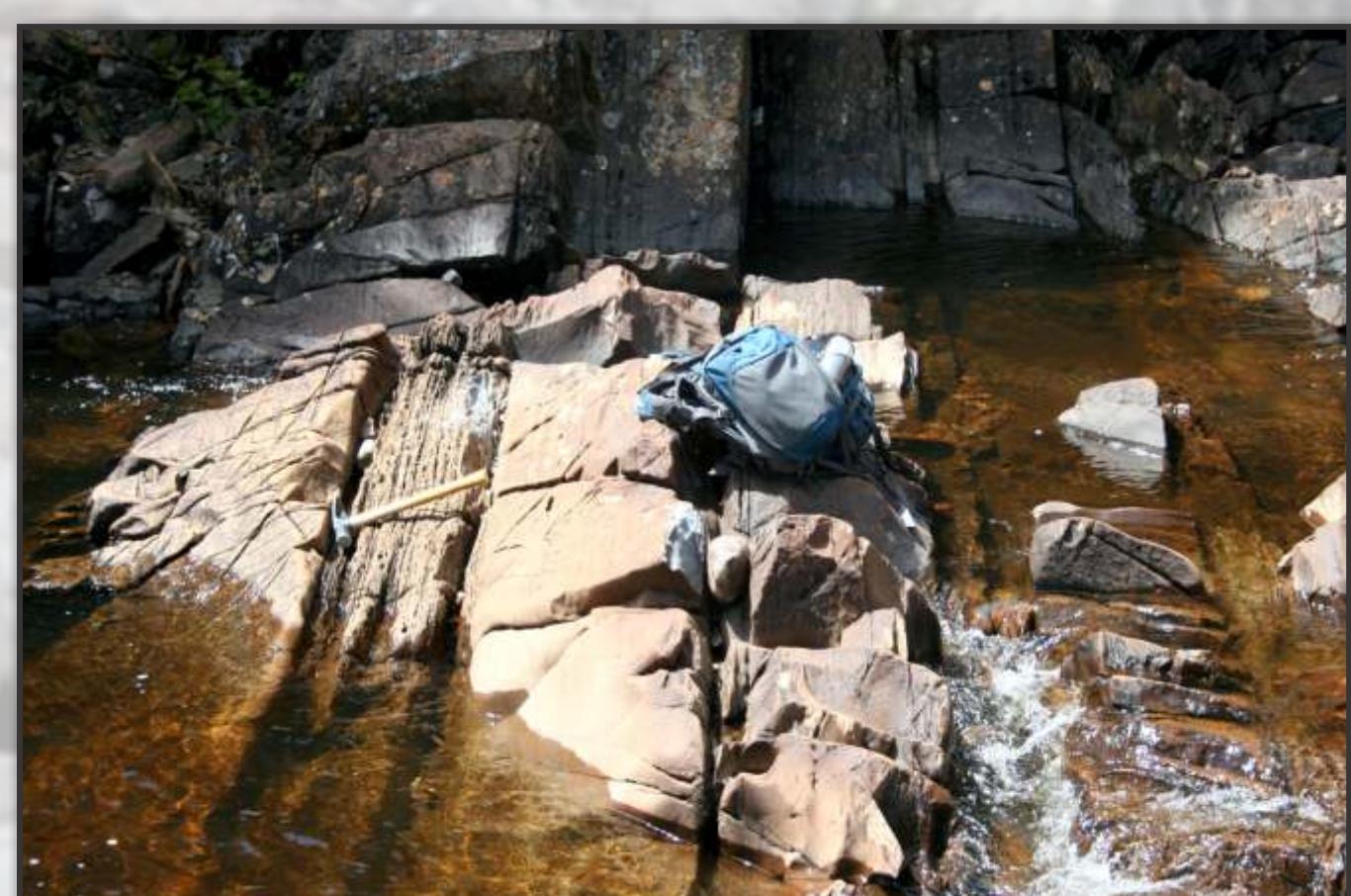
### Representative lithostratigraphic units in the mine area



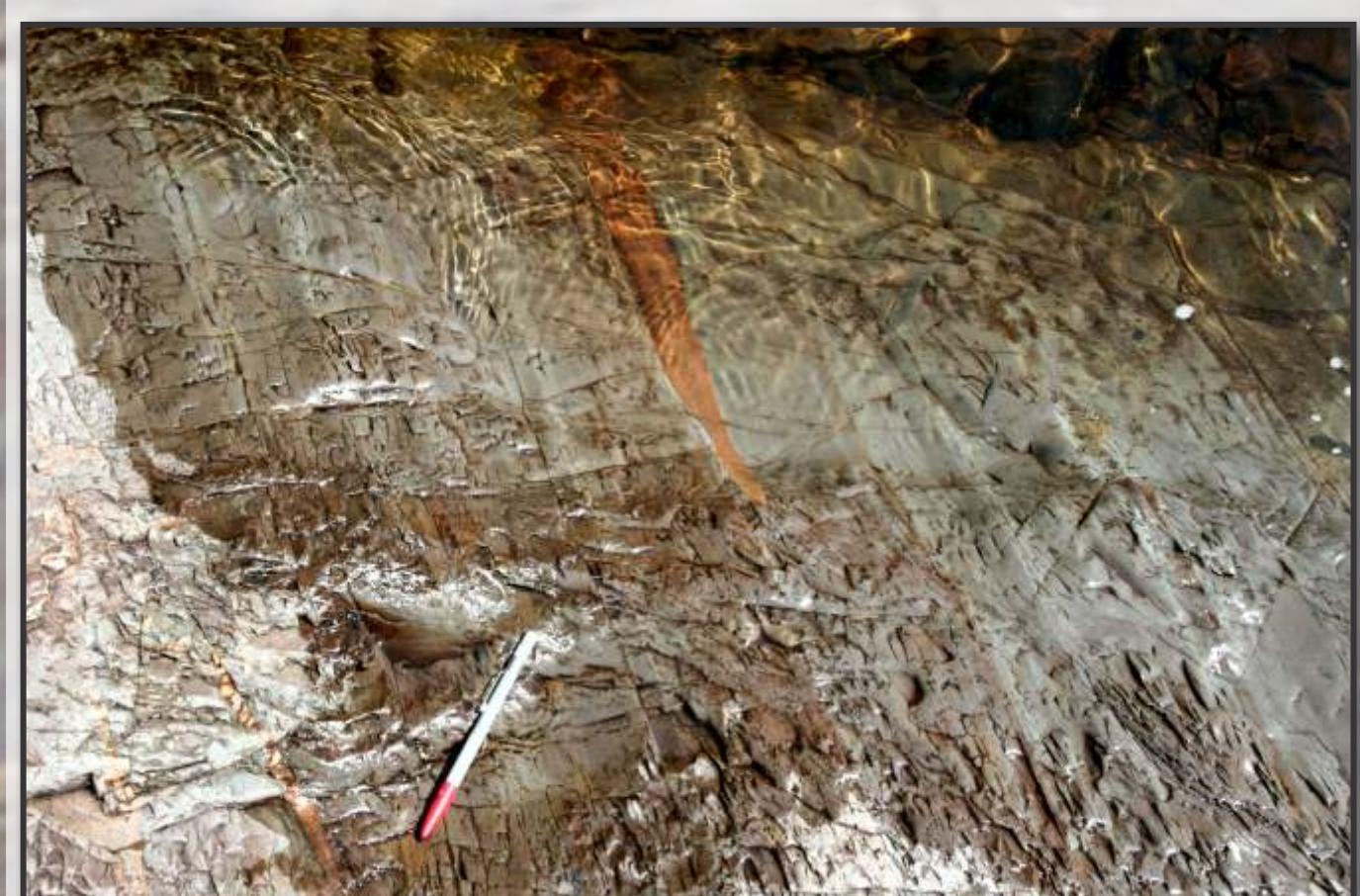
Mount Peyton monzogranite: Representative, massive, but locally fractured, orange miarolitic biotite monzogranite which occurs just to the northwest of the mine site.



Monzogranite/ country rock contact: Orange, biotite monzogranite veins cut tilted, hornfelsed, black to dark-grey, fine-grained sandstone and siltstone. Outcrop occurs 3 km southwest of the mine site.



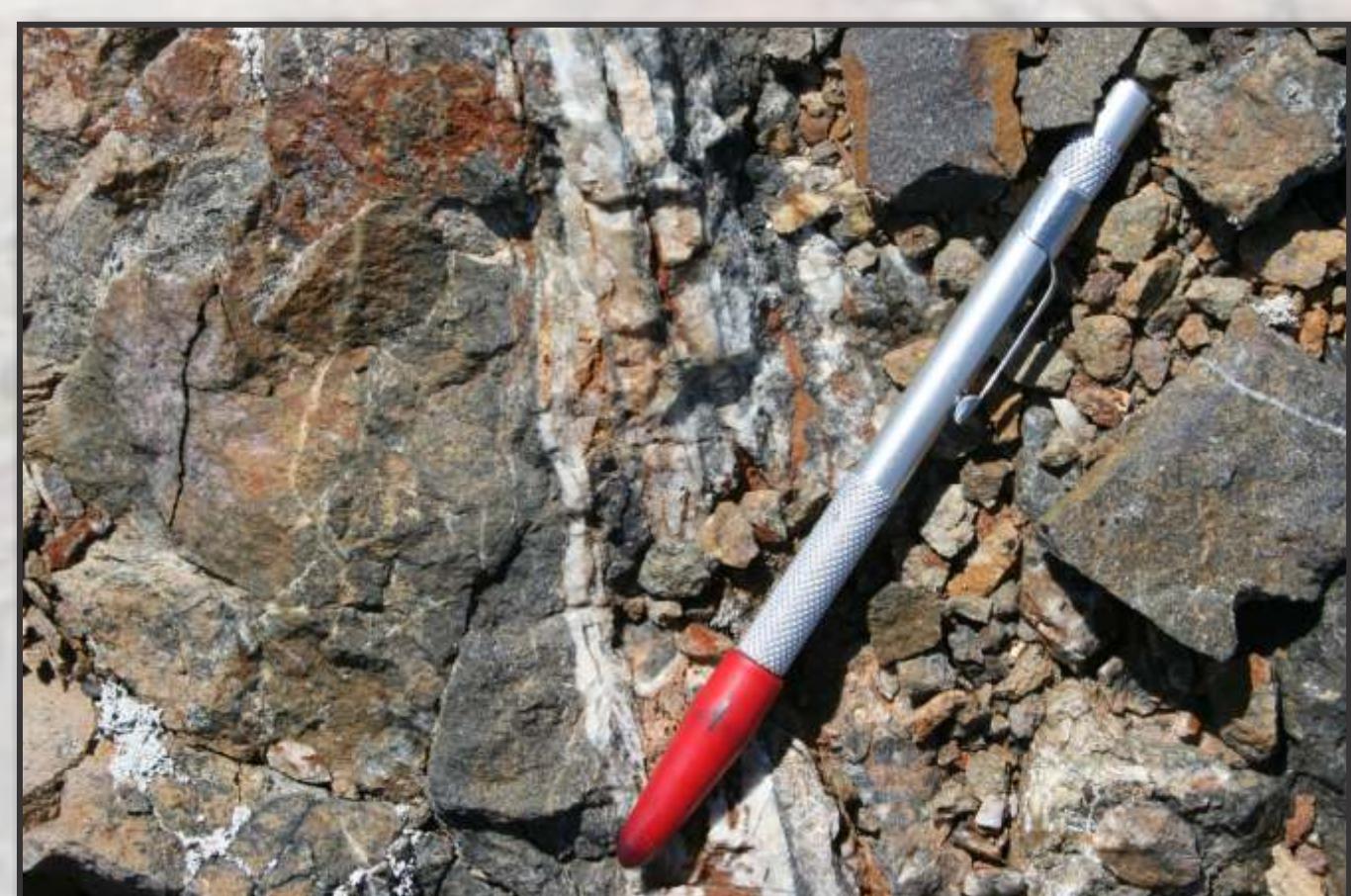
Ten Mile Lake Formation?: Locally cross-bedded, fine- to medium-grained, thick bedded muscovitic sandstone exposed in the upper parts of Cooper Bk. Note the irregularly weathered, fossiliferous (Wenlock) carbonate debris flow under hammer.



Indian Islands Group (Charles Cove Formation?): Typical 2-10 cm-scale interbedded, grey siltstone and fine-grained muscovitic sandstone (Cooper Bk). Note the orange stratiform carbonate layer that terminates towards the bottom of the photo.



Davidsville Group?: Representative, strongly cleaved and chaotically folded and brecciated graphitic black shale (Cooper Bk.). This is a readily identifiable lithostratigraphic unit in drill core.



Davidsville Group?: Typical, weakly cleaved, brown-black pebble greywacke (Hunan wacke) of the inferred Davidsville Group cut by a quartz-stibnite vein (Central zone).



Davidsville Group?: Representative, strongly cleaved and folded, grey-black siltstone and shale of the inferred Davidsville Group from Cooper Brook. This yielded Floian (Early Ordovician) graptolites.



MLA - mineral map of drill core sample BB14-305\_224.74m from the central zone, with a stibnite-rich qtz-dol-chl vein at left cutting and brecciating earlier ser-aspx-chl-rt alteration yielding anomalous gold assays. Key: stibnite (dark blue), quartz (mauve), dolomite (hot pink), sericite (orange), arsenopyrite (pale orange), chlorite (green), pyrite (red) and minor unidentified aluminosilicate (pink) and rutile (brown-red).

### Milestones:

U-Pb geochronological results and lithogeochemical data for the granitoid rocks of the Mount Peyton Intrusive Suite and the inter-relationship of ore metals in Au-Ag-Sb mineralization in the granitoids was published in Current Research 2017. Investigations have continued on the metallogeny and evolution of the Sops Arm Group of the White Bay area and a B.Sc study was initiated on the Yellow fox showing by field assistant Cody Spurrell at Memorial University.