

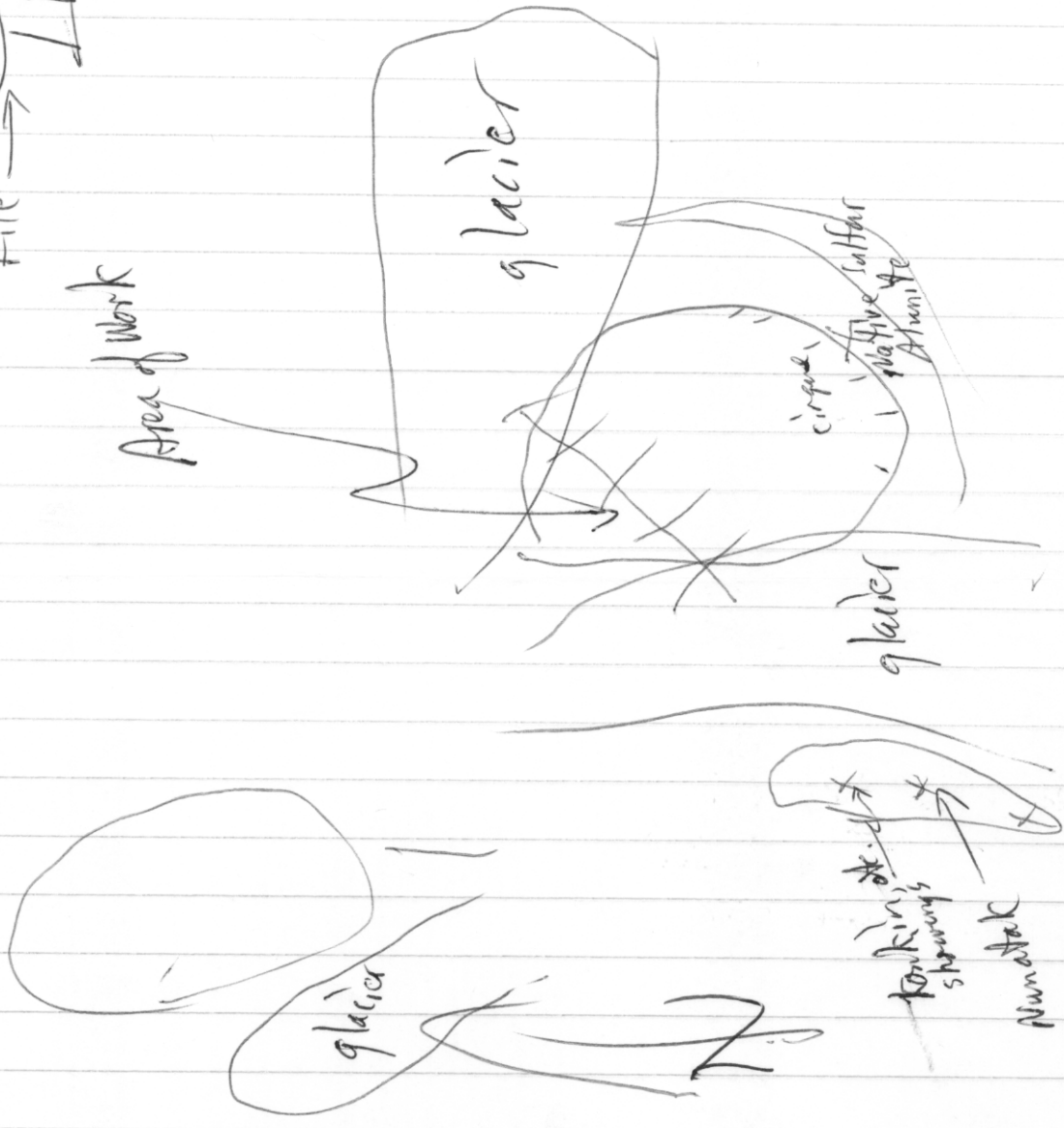
File → TREATY CREEK

- Bernice Dewonk  
Sept. 5/90

(Tantalus)  
- work by Oropend

Treaty Creek  
883912  
104B/9E  
104B078

Area of Work



MORU - Iskut Project (UBC)

Oct. 1991

TREATY CK.

- John Thompson / Peter Lewis
- complexly deformed
- Hazelton Gr. rx. sit along thrust fault (E to SE directed) below = Bowser

Main Lk. sed. Cossan: overprints all strat. units (suspect underlies 'central' icefield)

Traverse outwards -> inwards

px, chl -> ser (+ waning basic dykes) -> more intense ser.  
 (with preferential replacement + vein-controlled gtz-min.) -> laminated  
 silica (+ natroalunite + px) -> ser. schist (fth'd) + folded  
 (fold axis // to crenulation seen in silicat alunite -> strong  
 ser-px altn (+ mafic dyke (deformed)) -> silica + px + native sulfur  
 -> fragmental -> pods of silica cut by milky gtz veins  
 in ser. schist -> pillow bslt. (Salmon R. Fm.)  
 (alt'd -> <sup>proximal</sup> alt'n into Salmon River time!)

- Pillow bslt. (Salmon R.) - wet sed. intertivities (eg. Estay Ck.) - Hydroclastite textures

- North Cossan zone appears to sit below Betty Ck., NW Dilworth / Salmon R. Fm.

qtz-Alunite

- Silica laminated rk. - excellent laminations / Pb alt'd min. I.D. (Kirkham)  
 - discrete pods of massive siliceous material surrounded by laminated rx. -> massive, cryptocrystalline silica (ie. replacement phenomenon) - Bowser sed. above this are not alt'd!

Main Cossan - multiple protoliths for qtz-alunite (pp qtz-rich epiblasted)

- ribbon qtz in laminae i.e. highly textured  
 - pyrophyllite + diaspor! (acid-sulphate) T > 280°C - not near system - 'top' of <sup>Alunite (electron probe) Fe, Ca, Mn</sup> <sub>3, 5, 7</sub> <sup>111-AP</sup>