

## CORPORATION FALCONBRIDGE COPPER

MEMORANDUM

DATE: September 17, 1982  
 A TO: File  
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 DE FROM: P. W. A. Severin  
 SUJET  
 SUBJECT: WINDY CRAGGY MASSIVE SULPHIDE DEPOSIT NTS 114P/12

- located in the Alsek area at latitude 59°44'N and longitude 137°44'W.
- Alsek area occurs in St. Elias mountain range. This is probably the most rugged part of Canada and is at least 50% covered by ice fields and glaciers.
- Whitehorse, Y.T., the nearest large population centre, is located 200Km NE of Windy Craggy.
- Subject to an agreement between F.L. and Geddes Resources Limited dated June 4, 1981.
- Regional reconnaissance under the direction J. J. McDougall commenced in 1957 and minz'n was discovered in 1958.
- 1959 -5 short packsack drill holes totaled 305 ft.  
           - best intersection 2% Cu/35 feet.
- 1960 -14 packsack holes totalling 567 ft.  
           -geological mapping
- 1965 -3 AX holes totalled 1194 ft.  
           -3 packsack holes totalling 50ft.  
           -best intersection 1.51% Cu/140'
- 1974 -VLF EM-16 over part of the zone
- 1975 -Mag survey
- 1977-1979 -GSC mapped St. Elias Mountains
- 1979 -Thornhill did some work - Po contains 0.2-0.5% Co. Petrological work also.
- 1980 -Thornhill report - host is spilitic pillow basalt
- 1981 -F.L. entered agreement with Geddes  
           Drilled 10 holes (2541 metres)  
           Minz'n along strike for +400 metres  
           " to a depth of +492 metres
- the Windy-Craggy deposit occurs within the Kaskawulsh Group which contains Ordovician-Silurian age carbonates and greywackes with local accumulations of pillow basalts, flows and breccias of Cambrian and or Ordovician age. The Windy-Craggy deposit occurs within altered pillowed basalts and flows (locally referred to as the "Tats greenstone complex") at or near the contact with a dominantly sedimentary package of argillites, greywackes and shales.
- structural relationships are locally complex with several major faults and tight folds.
- regional metamorphism is lower greenschist grade.

**ORE ZONE**

- strikes NW-SE and dips 80° NE
- Po, Py, and Cp dominates
- also very subordinate amounts of Sph and Mt.
- cobalt occurs in both pyrrhotite and pyrite
- DDH 5b intersected 1.23% Cu/165.2m including 2.61% Cu/66'
- trend towards higher Cu to the NW towards an untested 1st priority Digheem EM anomaly
- DDH 5b Massive sulphide assays

	Range
Cu	0.37 - 3.38%
Zn	20 - 900 PPM
Co	0.06 - 0.19%
Au	15 - 355 PPb
Ag	0.1 - 1.7 PPM

This was most northwesterly hole to intersect the minz'd zone in 1981.

- The zone is to be pursued in 1982.