020990

Nov. 11/82

WINDY - CRAGGY

T.C & P.S

Helicopter Support : $550/Hr. (fuel included).
: 1982 300 Hrs. flying.

Drills : Fly 38 (1500-1700) + a 44 (@3000') on the property

Massive sulphides - within fold (syncline) nose plunging NW.

Distance between DDH's #11 + #12 : 400 metres.

Some subtle metal zoning beginning to emerge.

ie increased Sph, Py, Ag to NW.
possibly getting more "distal" towards N.W however, the thickness of sulphides appears to be increasing.

Alt'n - mainly chl ± mafic volc on both sides of MS
- local silicification
- strs on both sides.
- supports theory of NW plunging syncline.

Section - DDH #1, 3 & #1+2-65; possibly represents high sulphides "str zone".
- large conc. of MS begin a bit to the NW with DDH #10.

DDH #12, the most NW hole - getting the best Cu values., Zn values picking-up
- interesting metal zoning Py → Cp-Po → Py, Sph.
- logistically #12 is the furthest NW that can be drilled.

- to the NW of DDH #12. - steep slopes - can't drill
- no water.
- eventually would extend under west arm of Frobisher Glacier.
SE strike extension can easily be explored.

- 1983 program kicked around in general terms.
Drillings all in $150/ft
Perhaps 6000' - 7000' ft of drilling to fill in a few gaps. All in cost $800,000.00.

CORE : first part of hole NQ to 303'
: BQ begins @ 303'

D.D.H # 12 MS begins @ 124'
124 - 180 vfg, granular friable Py - decomposed to Py sand.
Turquoise + blue chalcanthite infilling of fractures
Photo #8 @ 206' where competent sulphides begin
207 - 217 2.45% Cu, 0.11% Co, 0.05% Zn, 0.09 Ag
0.01 Au.
MS tend to be pyritic to 231'
231' - 301 Pyrrhotitic. with Cp in Lamb + Strs
Photo # 9 @ ~275'

eg. 271-281	3.62% Cu	0.13 Co	0.02 Zn	<.05 Ag	Au .002
281-291	5.04	0.12	0.03	<.05 Ag	.002

Photo #10 306 - 372 Pyritic - some fine banding
#11 Py-Po-Cp
#12 Siderite veinlets
#13

Texture + subtle banding reminiscent of Western World.

DDH #12 407 → 614 Pyritic (Po) M.S.
Relatively zinc rich.
527 → 557' >2% Zn.

Photo #14 High Sph. section 527-557
Massive Pyritic Sulph. - subtle Py-Po banding
Not much in way of sph observed - occasional wisp!

Photo #15 Below MS for 25' abundant siderite veining, some Mt stks in moderate to locally strong chlc mafic volc.

Photo #16 Siderite, chl., Mt @ 625'

Photo #17 Volc. @ 666'

Photo #18 DDH #9 Fg of Argillite @ 155'

Photo #19 DDH #9 VFg weakly banded, strongly magnetic Po. @ 1360'

Dighem. Survey

- August 20, 1981.
  - 301 line Km flown in June 1981.

Windy - Craggy

- survey area - resistivity is generally + 1000 ohm-m.
- " - moderately magnetic
- sulphides - yield strong resistivity low and magnetic high. - Conductor 3/4 mile long and open to NW. - appears to close to SE
  Resistivities < 1 ohm-m
  Mag. Anomaly 130 - 1300 γ accuracy of 1γ
- line spacing 200 metres
- Lama C-GDEM turbine helicopter
- avg. bird height 39 metres
- SonoteK PMH-5010 magnetometer with bird @ 54m.

EM response - survey goes from SE of DDH #1 to just beyond DDH #12.

- grade 4, 5, and 6 anomalies indicated
- conductivity thickness 14 to 240 mhos.
- generally 1200 - 1300 γ mag. response.

eg.	COAXIAL coil		COPLANAR coil		at	Est'd Depth
	Inphase	Quad.	Inphase	Quad.		
(PPM)	27	4	66	6	240	66'

Completely open to NW - put gets into very difficult terrain & glacier.

Magnetics & enhanced magnetics show a pronounced NW-SE trend coincident with EM axis.

Resistivities : pronounced NW-SE trend sympathetic to EM response

Some other weak satallitic response also in the area.
eg 3 to 6 mhos 20 γ

Ground.

Swiss Aluminium Co.
- found MS float at toe of glacier
- found Mag. anomaly over portion of glacier.
- ground now open.

D.D.H # 12

	13.72 - 24.99	Alt'd Volc - stks Py.
	M.S.	
MS.	37.8 - 54.86 Metre	Massive Py
	54.86 - 70.41 " "	" "
	70.41 - 91.74 "	Massive Po
	91.74 - 142.04 "	Mass. / SMS Py
	142.04 - 146.61 "	Mass. Po
	146.61 - 169.77	MS Py (Po).
SMS + STRS	169.77 - 187.45	SMS + Str sulph. in chlc volc. Py (Po). Siderite veins.
	187.45 - 264.57	Meta-volcanics, minor cherty argillites, <10% sulph str
STRS	264.57 - 300.84	Strs is volc, cherty tuffs + chlc volc.
STRS	300.84 - 390.14	Strs to SMS (Pyrrhotitic)
	390.14 - 415.14	Grey to black argillites. str + diss sulph.

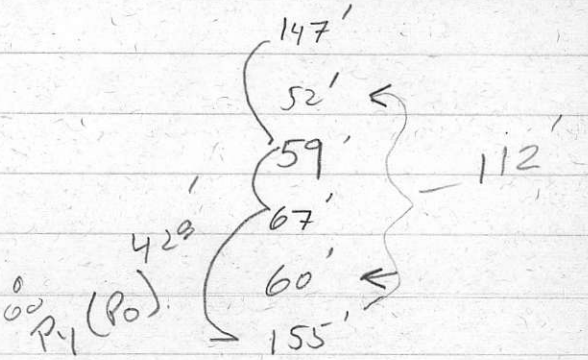
Weathered to 64.01 Metres

Zn begins to appear at 124.21 and continues to 187.45

(431')
MS / 131.97 Metres Avg. 126' → 407' ; 407' → 557'
Strs & SMS 220.37 Metres 557' → 614'
(723')

DD# #11

0 - 458'	Argillites
458 - 715.5'	Massive tuff → chlc tuff + flows with str. sulf. 705.0 - 715.5 15-20% Po veins, studs, blebs
715.5 - 896.0'	Siltstones + Argillites.
896.0' - 957.5'	MS with minor interbedded silicified argillite + cherty tuffs P_{y1} - P_o.
957.5 - 1087.0	Weathered - gossanous.
1087.0 - 1234	MS P_y-(P_o).
1234 - 1286	MS P_o-(P_y) (Mt).
1286 - 1344.5	MS P_{y1}-(P_o)
1344.5 - 1411.5	SMS - MS (P_y).
1411.5 - 1471.5	MS (P_o).
1471.5 - 1626.5	MS - SMS (P_{y1}).
1626.5 - 1750.0	STR + SMS P_{y1}
1750.0 - 2021	Argill. 15-20% strs.
2021.0	E.O.H.



896.0 - 1626.5 MS

1626.5
8960
730.5

Avg 896.0 - 957 MS
957. - 1086 Weathered.
1086 - 1624.0 MS
1624.0 - 1754 STR.

Don't Avg.

1754
1624
130

MS Avg.	896.0 - 957 ✓	559'	1.86	0.073
MS	1086.0 - 1364.0 ✓	689	1.80	0.063
MS	1364.0 - 1404.0 Supergene enriched ✓			
MS	1404.0 - 1604.0 ✓			
MS	1604.0 - 1624	1624 - 1754 STR. ✓		

DDH #9

0 - 93' Ls & Argill.
93' - 120.5' Felsic dyke / flow
120.5 - 225' Argill.
225 - 293' - Cherty tuff
293 - 677' - Massive flows, tuffs
677 - 777 - Strs is silicified volc STRS. Po.
777 - 876.5 - MS Po - (Py)
876.5 - 947.0 - Cherty volc. + strs
947.0 - 1476. MS - SMS. Po (Py)
1476 - 1601 Strs + SMS.
1601 - 1665 Chlc Volc. Strs.

STRS/100'
750 - 780 ✓

MS - SMS/810' 780 - 1590
780 - 1590

STRS/64 1590 - 1620
1590 - 1630

1476 1601
~~777~~ 777
824

WINDY - CRAGGY

114 P 13

Massive sulphide deposit associated with Lower Jurassic volcanics

+ 18,000,000? Tons + 0.90% Cu.

Apparently it is similar to Anyox