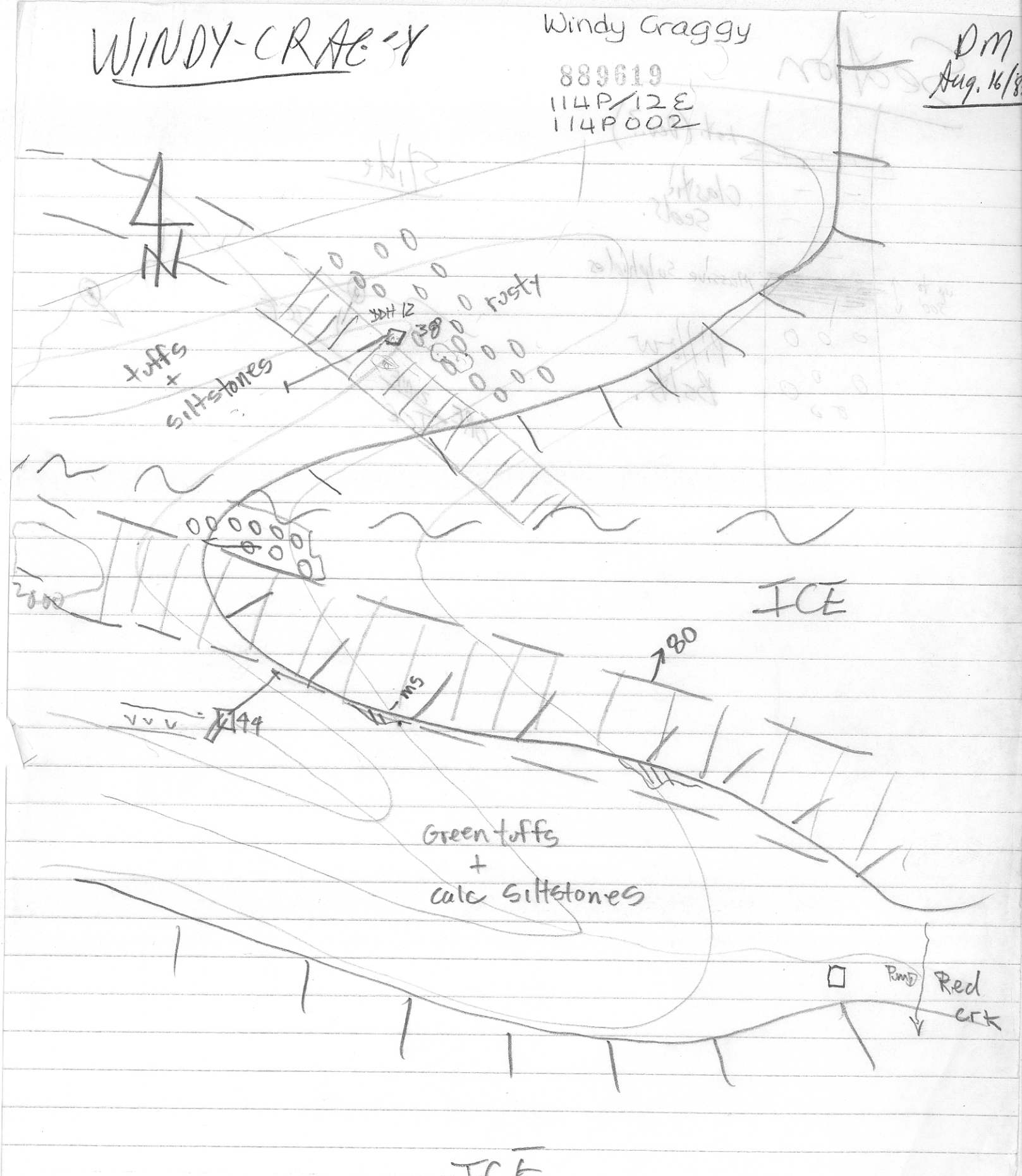
WINDY-CRAGGY

Windy Craggy

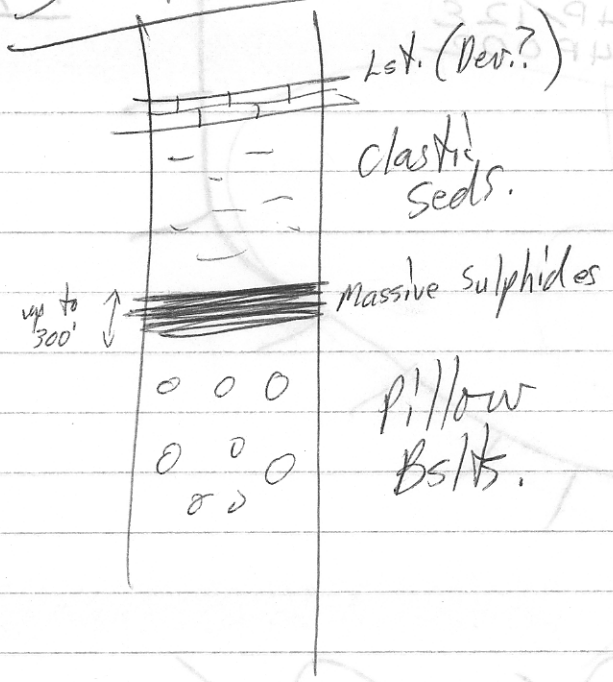
889619
114P/12E
114P002

DM
Aug. 16/82



OVER

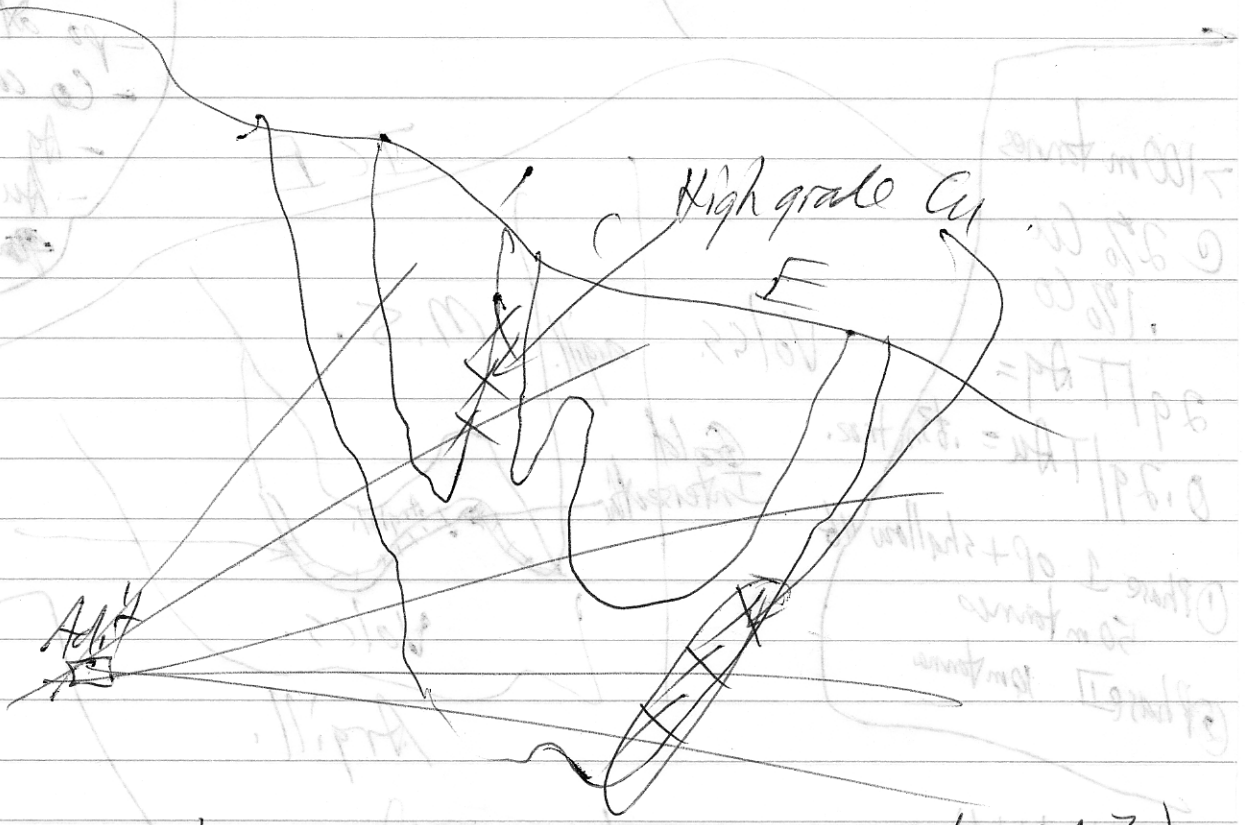
Section



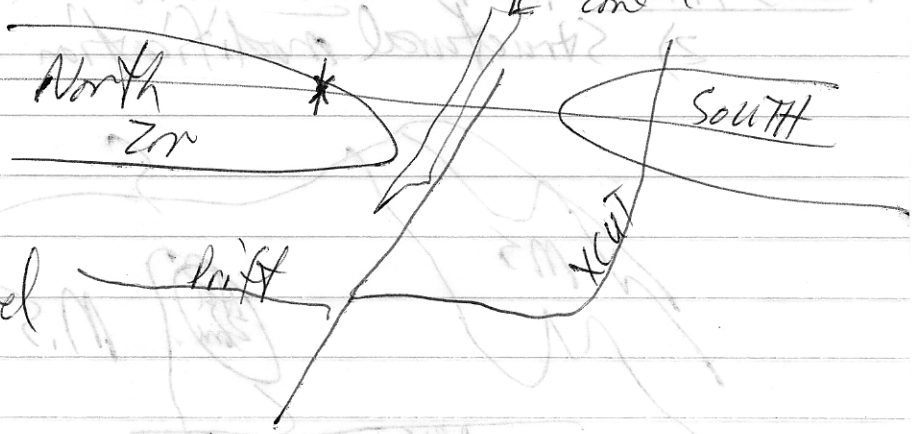
Slide

WINDY CRAGGY — NWMA — Dec. 2/88

- Gerry Harper
- short secs. of carb-chert (+ 2-3 g Au)
100-140 metres M.S. + Cu, Ag, Au
eg. 78m @ 1.3 g/t Au + >1% Cu, 20 g Ag
7 holes: continuous lens 700 m height
140m width av. grade: 1.93% Cu (+ parts > 3% Cu)



- synclinal fold axis

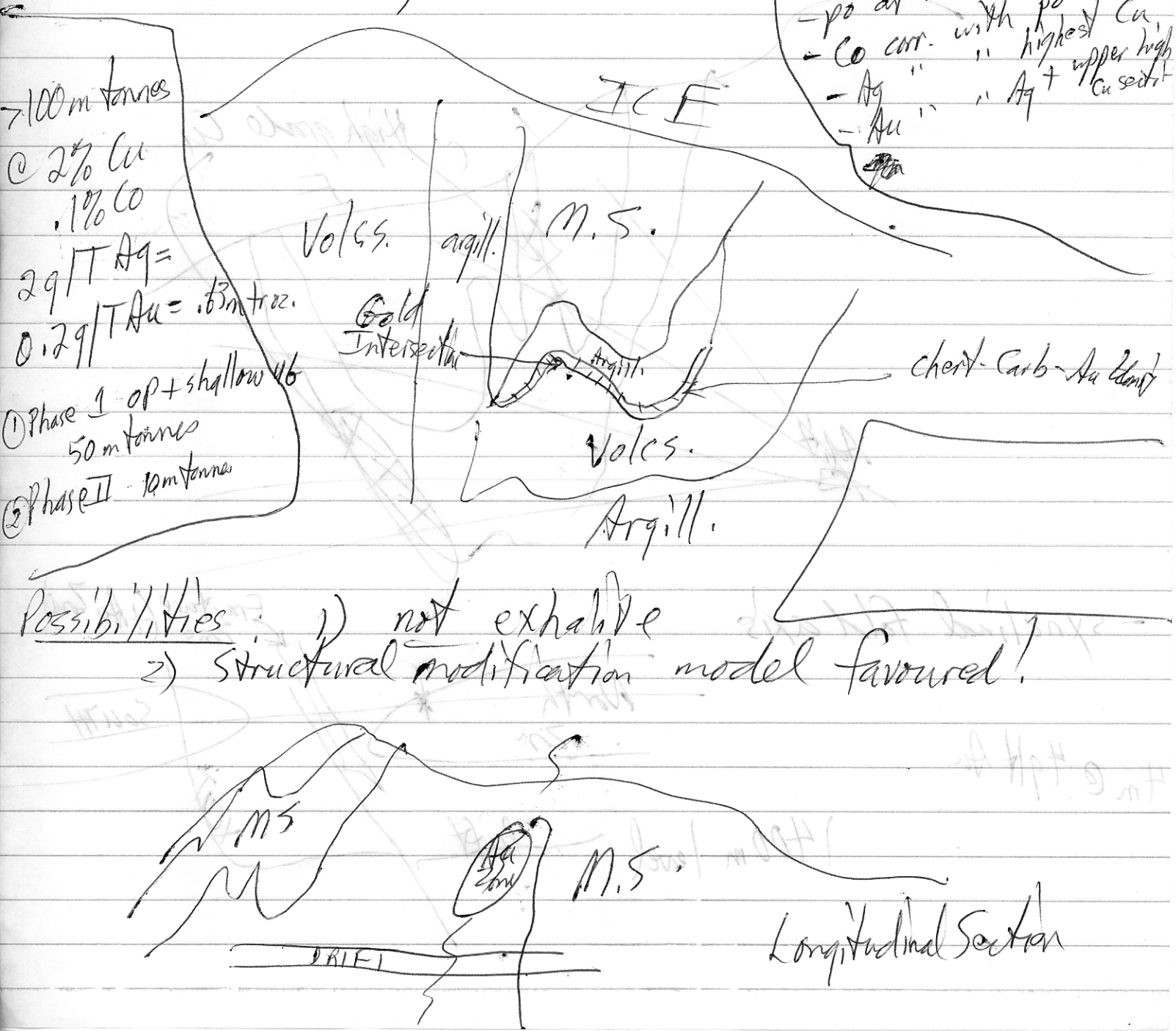


4m @ 4g/t Au

- Primary sulphides ± diagenetic

1) Chert - Carbonate - Sulphide Unit - not typically any Au
   - lies above MS - exhalative?

2) Gold Zone Unit - variation of above?
   - frags. ± volc. clasts (Mg?) hydrothermal?
   - fn. gr. sul. - rare v.g. assoc. with sul. & carb. - elec. & native Ag



Possibilities: 1) not exhalite
2) structural modification model favoured!

Longitudinal Section

WINDY CRAGGY - Rob Beckett

Jan. 25/89 ① 161 max.

Intro: Charlie Hurd
- interbedded sul. in argillite + bslt
- tight, isoclinal folding
- 9000' of drift to end of '88
1988: 59,000 T. in 53 holes

1550 m drilled upwards (longest anywhere?!)
- also ended drilling up into overburden!

Basalt: no pillows observed u/g ; sills?

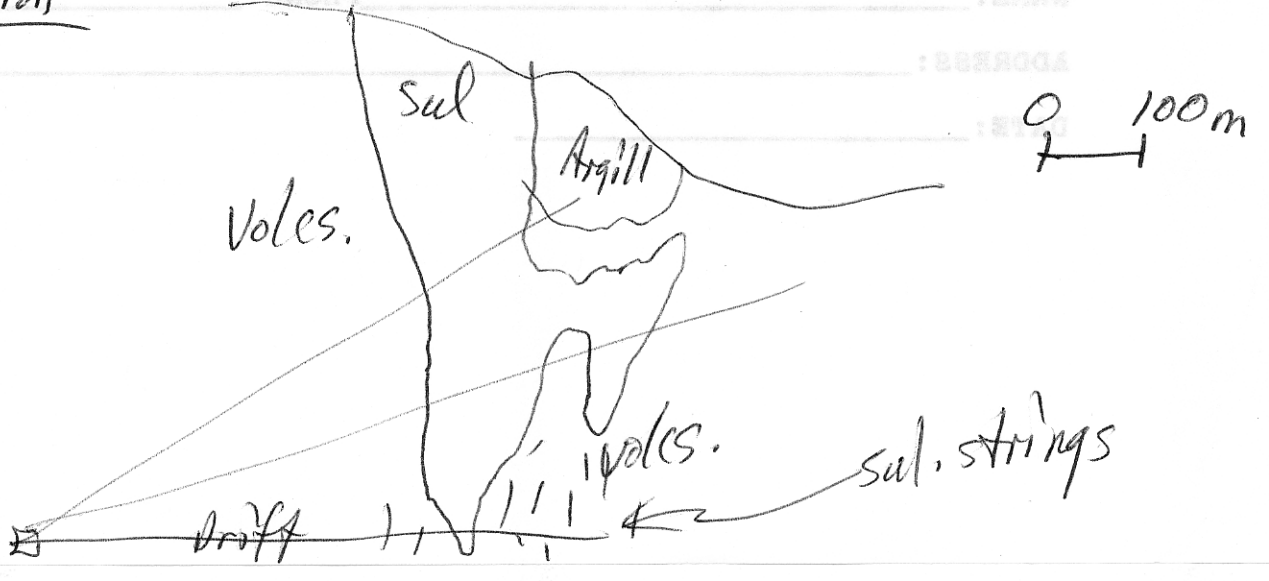
Argillite: + ovoid calcite nodules; po lamellae ± fn. scale folding; ankeritic nodules (esp. N end of southern orebody) - spherical

Cherty Rk.: pink jasper bands (+ fn. scale folds) + anomalous Au = 1-69 g/T

Sulphides: 1) Massive fn. gr. po (+ dissem cpy+po)
2) " " " py (+ wispy magnetite)
3) Crse 'bleby' py+mag+cpy within fn. gr. po matrix
- gradation between all 3 types (i.e. no specific contacts)
4) fn. banded po + argill - folded - margins of sul.
5) Wispy py-mag-carb (ankerite) → crustification (open space)
6) Py-Cpy angular frags in po-rich matrix (+cpy+mag).

1400 m level drift to access south + north sulphide bodies

North Section



D. Do you believe that the draft recreation corridor management plan reflects integrated resource management. If no please explain.

COMMENTS:_____

_____

_____

E. Has the method and level of public involvement for this planning process been satisfactory.

COMMENTS:_____

_____

_____

F. Do you have any specific comments on the draft corridor management plan .

COMMENTS:_____

_____

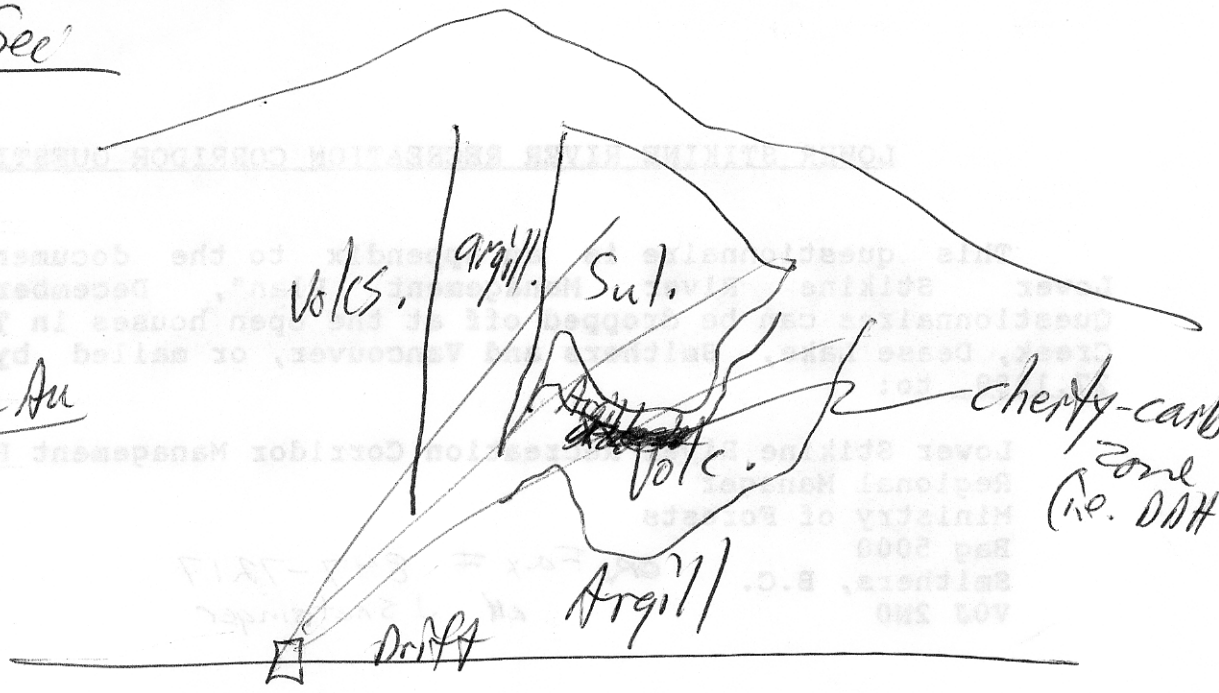
_____

NAME:_____PHONE:_____

ADDRESS:_____

DATE:_____

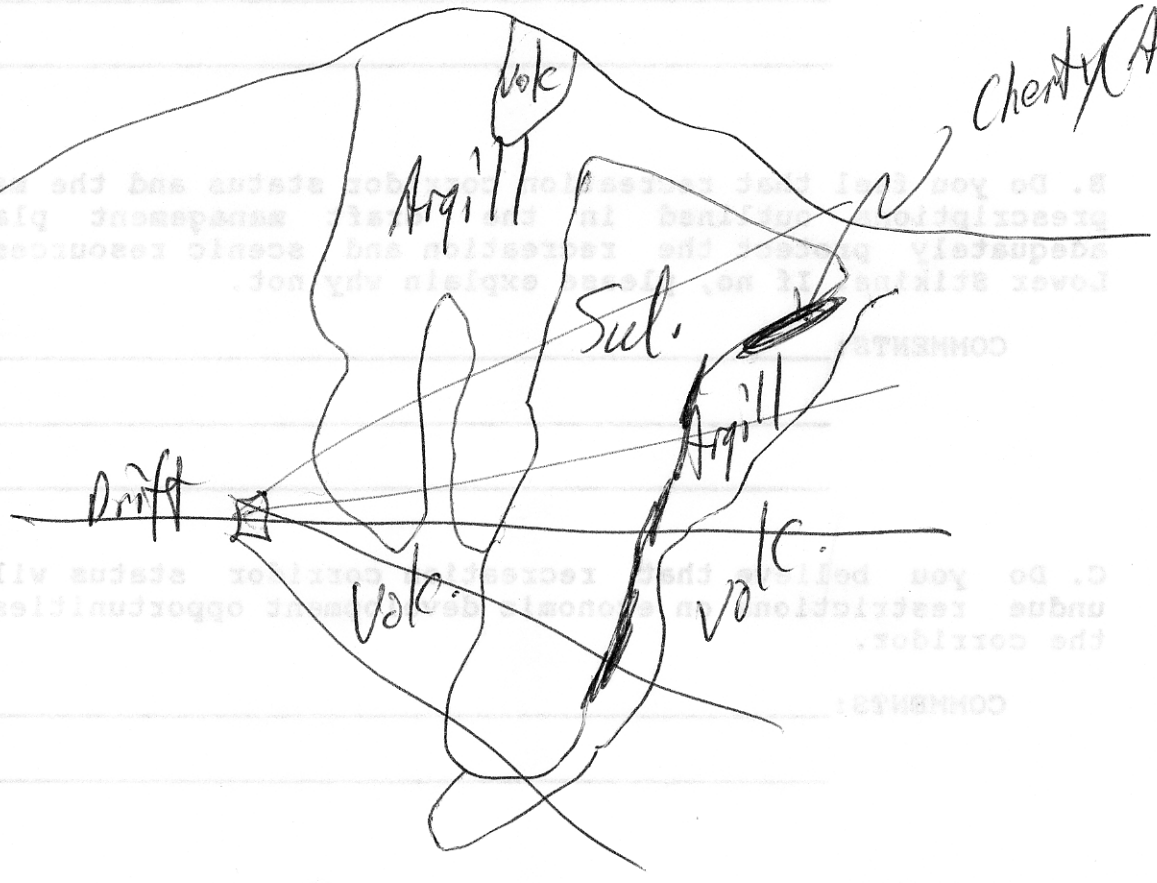
- Silic. frags. rep. feeder zones to M.S. (2)
- Also 'crackle bx.' →
- 'Middle' Sec'



General corr. between cpx + Au

Gold Zone: 1) Primary sed. wrapping around MS. (eg. Japanese type)
Hypotheses
2) Feeder zone
3) Structural 'type' – folded

'South' Sec.



LOWER STIKINE RIVER RECREATION CORRIDOR QUESTIONNAIRE

This questionnaire is an appendix to the document "Draft Lower Stikine River Management Plan", December 1988. Questionnaires can be dropped off at the open houses in Telegragh Creek, Dease Lake, Smithers and Vancouver, or mailed by January 27,1989, to:

Lower Stikine River Recreation Corridor Management Plan
Regional Manager
Ministry of Forests
Bag 5000
Smithers, B.C.
V0J 2N0

OR Fax # 847-7217
att. J Snetsinger

Please provide your comments on the form below. If you require extra room for comments, please attach extra stubs to the questionnaire.

A. Is recreation corridor status appropriate for the Lower Stikine River.

COMMENTS:_____

_____

_____

B. Do you feel that recreation corridor status and the management prescriptions outlined in the draft management plan will adequately protect the recreation and scenic resources of the Lower Stikine. If no, please explain why not.

COMMENTS:_____

_____

_____

C. Do you believe that recreation corridor status will place undue restrictions on economic development opportunities with in the corridor.

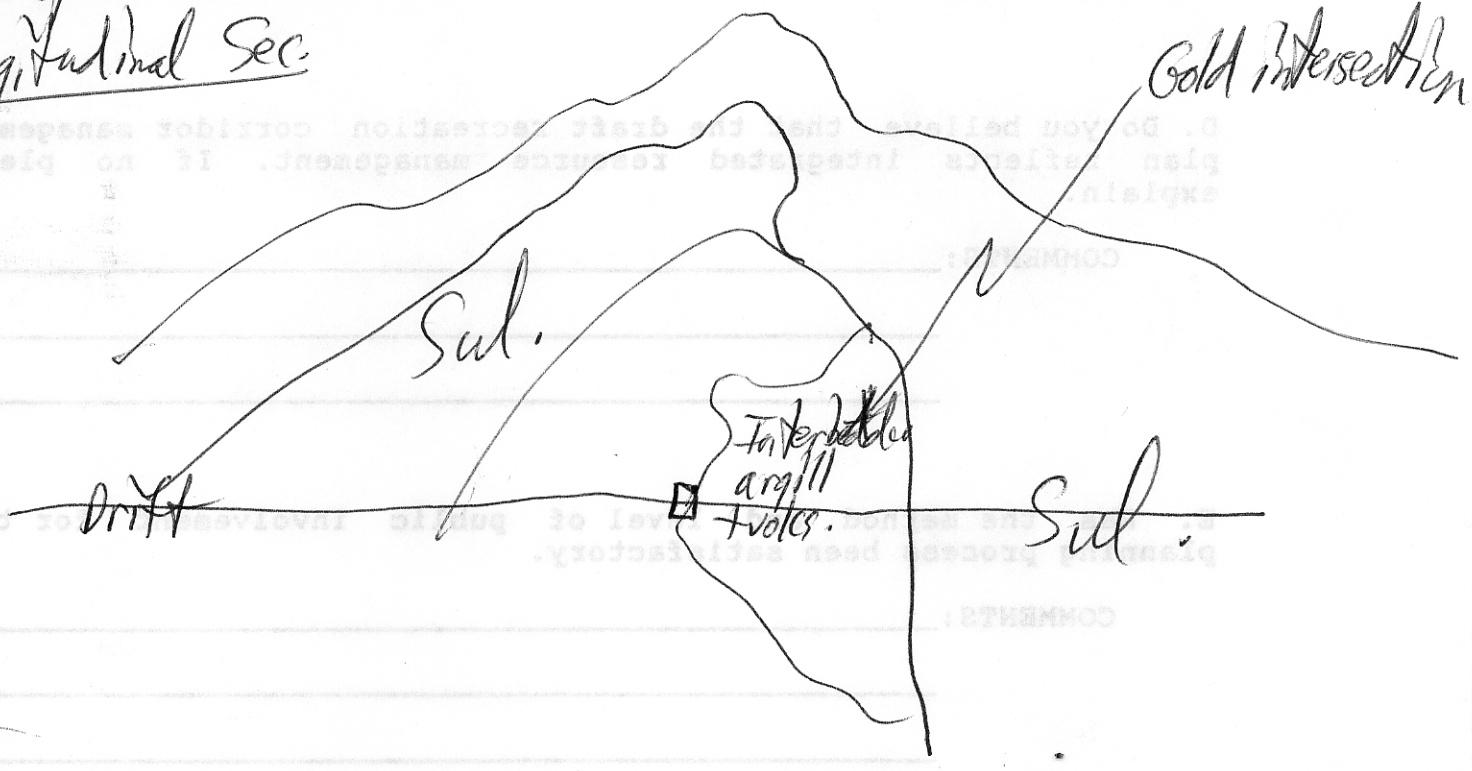
COMMENTS:_____

_____

Drift: Cu content rel. uniform throughout (>2% Cu)
Co content av. ~.07% over ~122m
Deposit should av. 0.1%

(3)

Longitudinal Sec.



- hasn't been drilled off at depth yet.

"Continuous M.S. deposit" ~100m tons: 2-3.5% Cu; .3g/t Au
~1/moz Au + .1% Co (contained)

Thanx: Jim McDougall
Analogy: Modern sea floor precip.
Jan Peter - PhD thesis

~$25m spent to date

(2)

WINDY CRAGGY (cont'd) Oct. 22/91

- Waste rock will either be dump on the glacier or under water in tailings pond
- Tats glacier is moving (advancing) ~40m/yr near the portal; but is receeding at its toe.
- Open pit scenario only - economical!
- est! mined out pit will fill by a glacier (or a lake)
- Geddes will know what every rock type's ABA rating is (~750 'blocks' in orebody)
- thicknesses of massive sulphides av. 300 to 400 metres (i.e. phenomenal!)

Footnote: East Arm MS prospect to east
- St. Joe intersected ~100 ft. of MS below 1200 ft. of ice

- inactivity on site this past summer at WC has allowed Geddes' staff to assimilate & analyze their voluminous data - "a blessing in disguise". Next step → Stg. II

- multidisciplinary approach.

→ Windy Craggy

WINDY CRAGGY

Oct. 22/91

- GSC 'Brown Bag' Lunch
Speaker: Bruce Downing 'Back-Up': Phil Claridge (Proj. Mgr)

- To Date: est. exp. = $50 million
- In hindsight (after much sampling by type + numbers), the most effective (in that area for a Windy Craggy type) = water samples (i.e. dissolved metals, esp. Cu). Unfortunately, it costs ~$90 for water analysis - add another $10 or so in collection/preparation costs → total cost/sa ≫ $100.
- In hindsight - now routinely analyse all rocks and soils (incl. core) for 30 element ICP (for later ARD exercises)
- Reserves being recalculated - to increase significantly - incl. sig. new Ridge Zone disc. (underground)
- Above South Zone (under Marie Glacier) - sig. zone of supergene enrichment (eg. 3 m thnes @ > 2% Cu (native Cu, chalcanthite)) overlain by a zone of limonite with elevated gold values lying immed. below ice
- Previous (84-13?) ddh with 'high' gold values now appears to be structurally related (fault zone)
- High carbonate (calcite) content of host rx (esp. limey argill) will benefit ARD scenarios greatly.
- > 22,000 assay analyses

WINDY CRAGGY

(CIM Dist. 6 (Campbell River) Oct. 2/92

- Keith Summerville

Res. ~ 297,400,000 tonnes @ 1.38% Cu [Nov. '91]

Total 9 billion lbs of Cu in situ

88% recovery @ 28% Cu conc.

Annual exp. of mine ~ $150 million

- Pipeline slurry method to get ore from mtn. to mill

WINN CREEK

May 19/99

- chat with Bruce Downing (CONFIDENTIAL)

- Bruce & Tom Waterland — met with Teck ('lost' interest)
→ approached Camingo (Wolfe)
→ " - B.H.P. Bon (Parry/Macdonald)
→ " Rio Algom (Toronto)

→ Still keen on 'Mining in a park'