SUMMARY OF METAL, MINERAL, AND ALTERATION DISTRIBUTIONS RELATED TO ISOMETRIC PLANS

JEAN A, B-ZONES

PLATE	LEVEL	A-ZONE	B-ZONE
Plate 1 Copper Distribution	H.W.*	Intrusive 60% higher than volc. Grade-increase in direction of contact and north westerly along it.	Intrusive portion 1/2 of grade of volc. portion. Apparent grade increase towards contact.
	M.H.*	Intrusive 50% lower than volc. possible low grade core suggested strong grade trend westerly along contact.	Grade in intrusive $\sim$ 60% of grade in volc. Grade trend westerly along contact.
	F.W.*	Intrusive 27% higher than volcanics. Copper grade in volc. and intrusive portions higher than H.W. by 60% and 27%, respectively.	Grade in intrusive $\sim$ 42% of that of volcanics. Lateral grade trends not apparent. Grade in both volc. and intrusive about twice that of H.W.
Conclusion:		Copper grade in F.W. $>$ H.W. both in intrusive and volcanic portion. Apparent increasing grade towards volc-granodiorite contact. Copper grade in volc. generally noticably higher than in intrusive portion i.e. HW, MH, FW	Copper grade higher in FW than HW in both intrusive and volcanic. Apparent increase in grade towards contact. Copper grades higher in volcanic than intrusive portion i.e. in HW, MH, FW
Plate 2 molybdenum	H.W.	Intrusive portion 0.007% volc. portion trace.	Intrusive trace volc. 0.01%
	M.H.	Intrusive average 0.04% volc. $\sim$ trace.	Intrusive average 0.06 volc. trace.
	F.W.	Intrusive twice H.W. volc. trace.	Intrusive 0.02 volc. trace.
Conclusion:		Molybdenum in intrusive HW $<$ FW. Trace Mo in volcanics.	Molybdenum in intrusive HW $<$ FW. Molybdenum in volc. generally trace.
Plate 3 Thickness of M.H.	M.H.	Noticable thickening towards the core of the zone.	Apparent thickening towards core of the deposit.
Conclusion:		Weak suggestion that both of the zones have a "root" or core area near the approximate geographic centre. These core areas are also centred along the contact	

Plate 4	H.W.	More pyritic than F.W.	pyrite > cp
	M.H.	Cp:Py > 5:1	Cp > py
	F.W.	Somewhat less pyritic than F.W.	Pyrite > cp

Conclusion: In both zones the M.H. contains Cp > py. However, in the HW & FW pyrite dominates or is more dominant than the MH.

Plate 5 bornite	H.W.	Bornite present in core of deposit	Bornite present in core of deposit
	M.H.	Bornite present in core of deposit	Bornite present in core of deposit
	F.W.	Bornite present in core of deposit	Bornite present in core of deposit

Conclusion: Bornite occurring in the core of the deposit conforms to the classical zonation position of bornite.

Plate 6	H.W.	No sericite alt.	No sericite alteration.
	M.H.	Sericite alt. and secondary biotite. Sericite and potassic alt. overlap in the core area and grade outward into potassic alt.	Sericite alt. and secondary biotite.
	F.W.	Sericite and biotite alt. noted incomplete data.	Sericite and secondary biotite sericite alt. appears to be centred under the thickest part of the deposit.

Conclusion: It appears that the distribution of alteration can be correlated with the composition of the altered rocks. Thus, potassic alteration appears to have affected the volcanic rock mainly while sericite has affected more feldspar rich rock namely the granodiorite. The pattern of alteration does not fit the classical model in which potassic alteration is the type most closely related to the centre of the deposit. In both zones sericite is found in appreciable amounts in the M.H. and below it suggesting that these two levels are different from the respective F.W.'s.

RUB/dr
24 April 1975

CLASSIFICATION OF MEANS BY ROCK TYPE (PERCUSSION DATA ONLY)

HANGING WALL

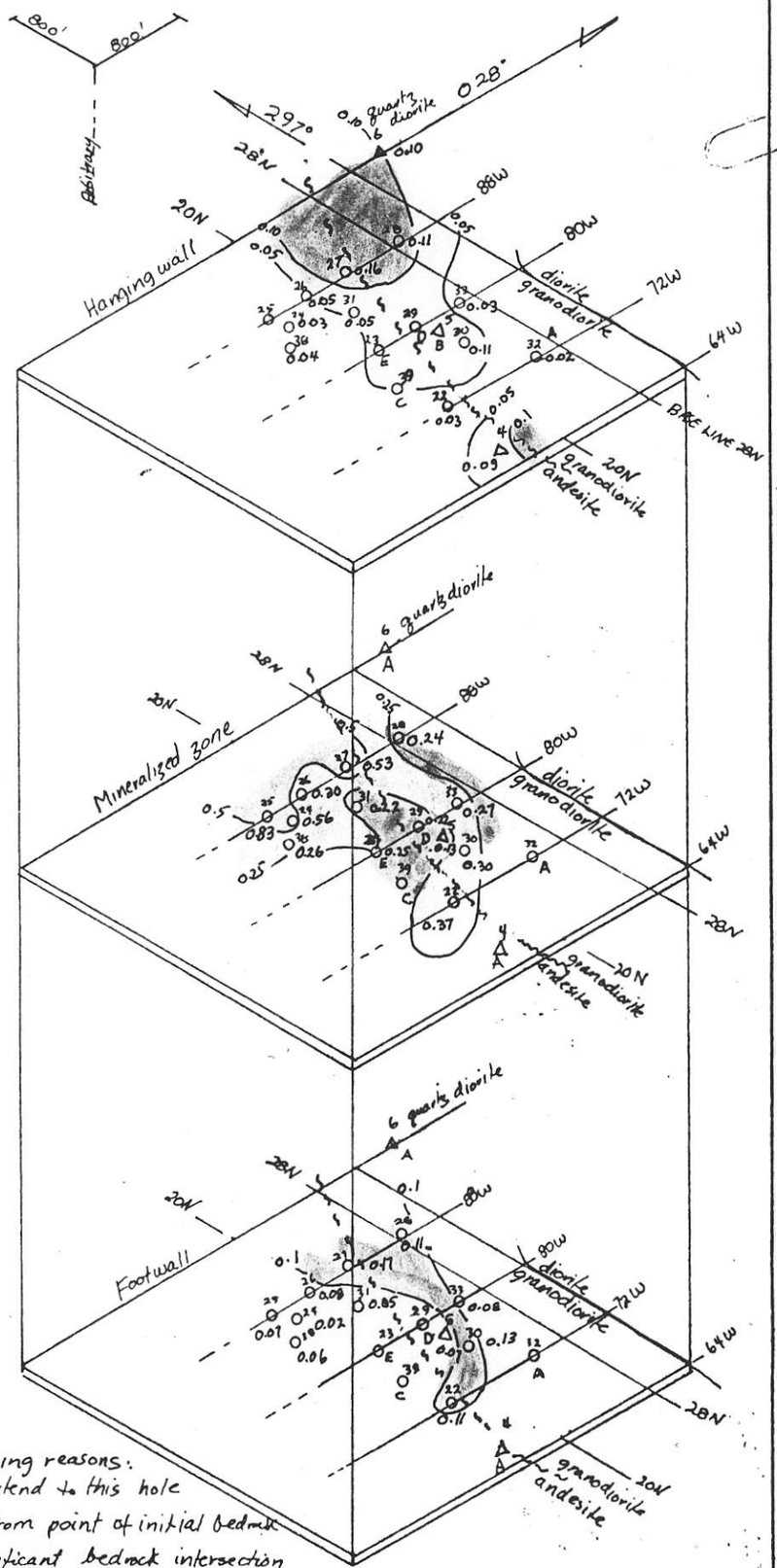
INTRUSIVE	VOLCANIC
0.08%	0.05%

A - ZONE

INTRUSIVE	VOLCANIC
0.26%	0.39%

FOOT WALL

INTRUSIVE	VOLCANIC
0.11%	0.08%



Legend

25
O Percussion hole 74
Δ6 Diamond drill hole 75-

No data at specified levels for the following reasons:

A = Main mineralized zone not believed to extend to this hole
B = Main mineralized zone encountered from point of initial bedrock
C = Hole lost, or abandoned, short of significant bedrock intersection
D = Hole encountered main mineralized zone at initial bedrock and ended in same
E = Hole bottomed in main mineralized zone.
F = Not assayed
G = Hole obtaining significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.
H Projected main mineralized zone below depth 300 Ft
Fault inferred
Fault assumed

- ○ ≥ 0.4% Cu
- ○ 0.25 to 0.4
- ◉ 0.1 to 0.25
- ○ 0.05 to 0.1

COMINCO

Drawn by: R.U.B.		Traced by:		NTS 93N/2W
Revised by	Date	Revised by	Date	
R.U.B	Dec 1975			

JEAN PROJECT
A-ZONE ISOMETRIC
COPPER %

Scale: 800 Ft | Date: Feb 1975 | Plate: A-1

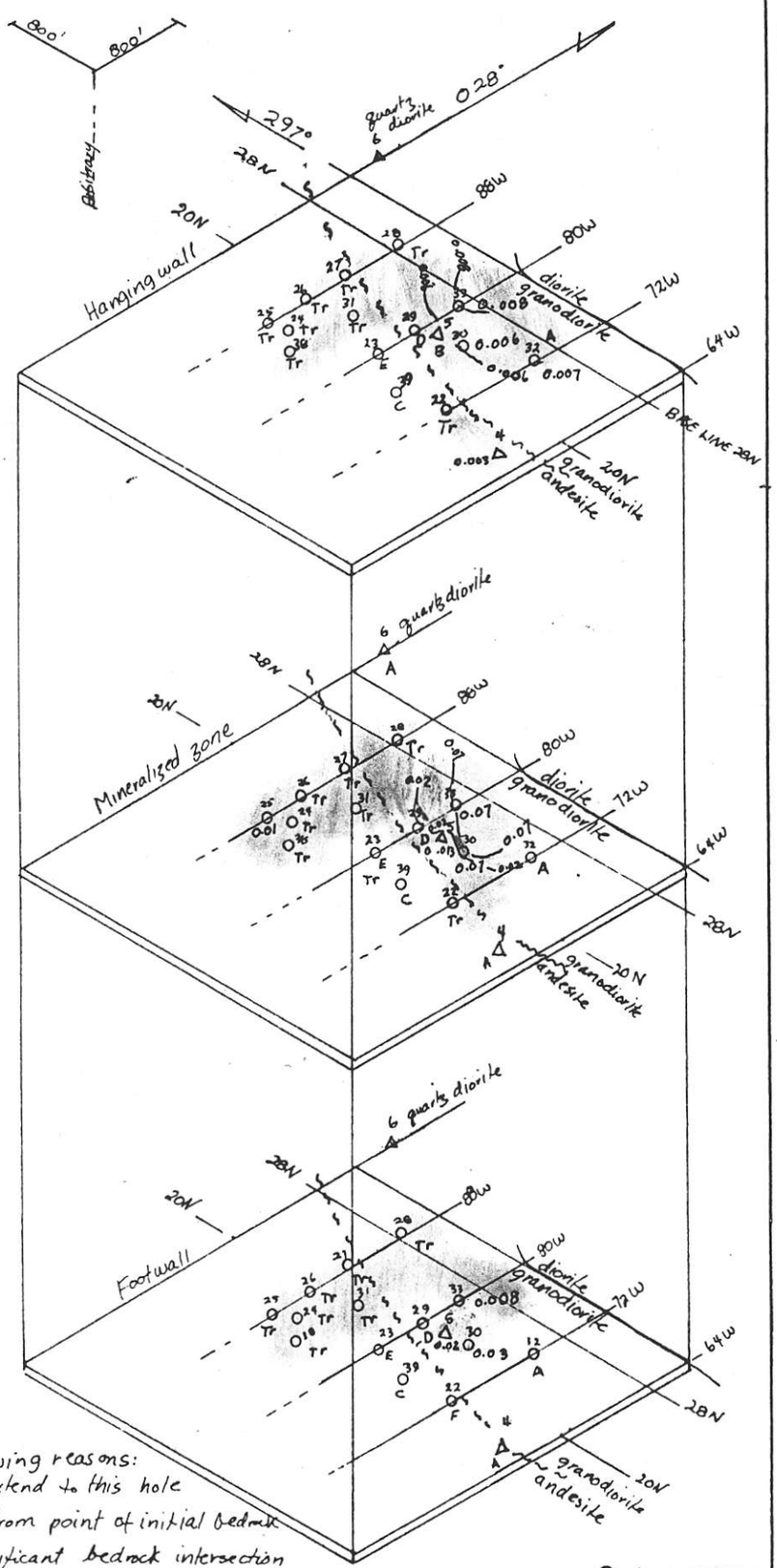
210-0610

CLASSIFICATION OF MEANS BY ROCK TYPE (PERCUSSION DATA ONLY)

HANGING WALL	
INTRUSIVE	VOLCANIC
0.007%	Trace

A - ZONE	
INTRUSIVE	VOLCANIC
0.04%	Trace

FOOT WALL	
INTRUSIVE	VOLCANK
0.012%	Trace



Legend

- 25 O Percussion hole 74-
- Δ6 Diamond drill hole 75-

No data at specified levels for the following reasons:

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- F = Not assayed
- G = Hole obtaining significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.
- H Projected main mineralized zone below depth 300 Ft
- Fault inferred
- Fault assumed

- O ≥ 0.07% Mo
- O 0.02 to 0.07
- O < 0.02

Cominco

Drawn by: RWB	Traced by:		
Revised by	Date	Revised by	Date
RWB	Dec 1975		

NTS 93N/2W

JEAN PROJECT

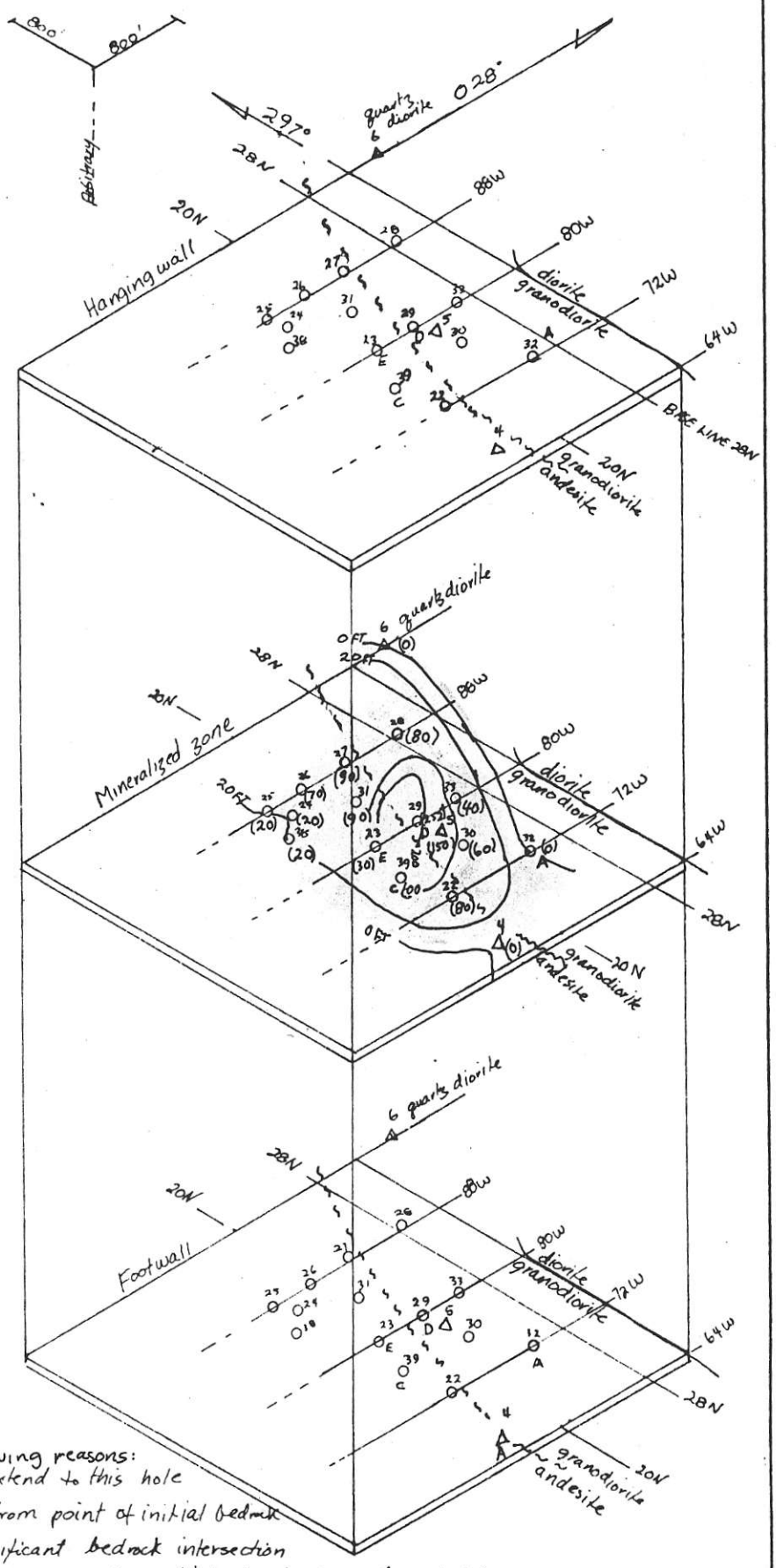
A-ZONE ISOMETRIC

MOLYBDENUM %

Scale: 800Ft

Date: Feb 1975

Plate: A-2



Legend

- 25 O — Percussion hole 74-
- Δ6 — Diamond drill hole 75-

No data at specified levels for the following reasons:

- A = Main mineralized zone not believed to extend to this hole
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- F = Not assayed
- G = Hole obtaining significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.
- H — Projected main mineralized zone below depth 300 Ft
- ~~~ — Fault inferred
- ~ ~ ~ — Fault assumed

- O ≥ 100 Ft
- O 0*-100
- O zero

Cominco

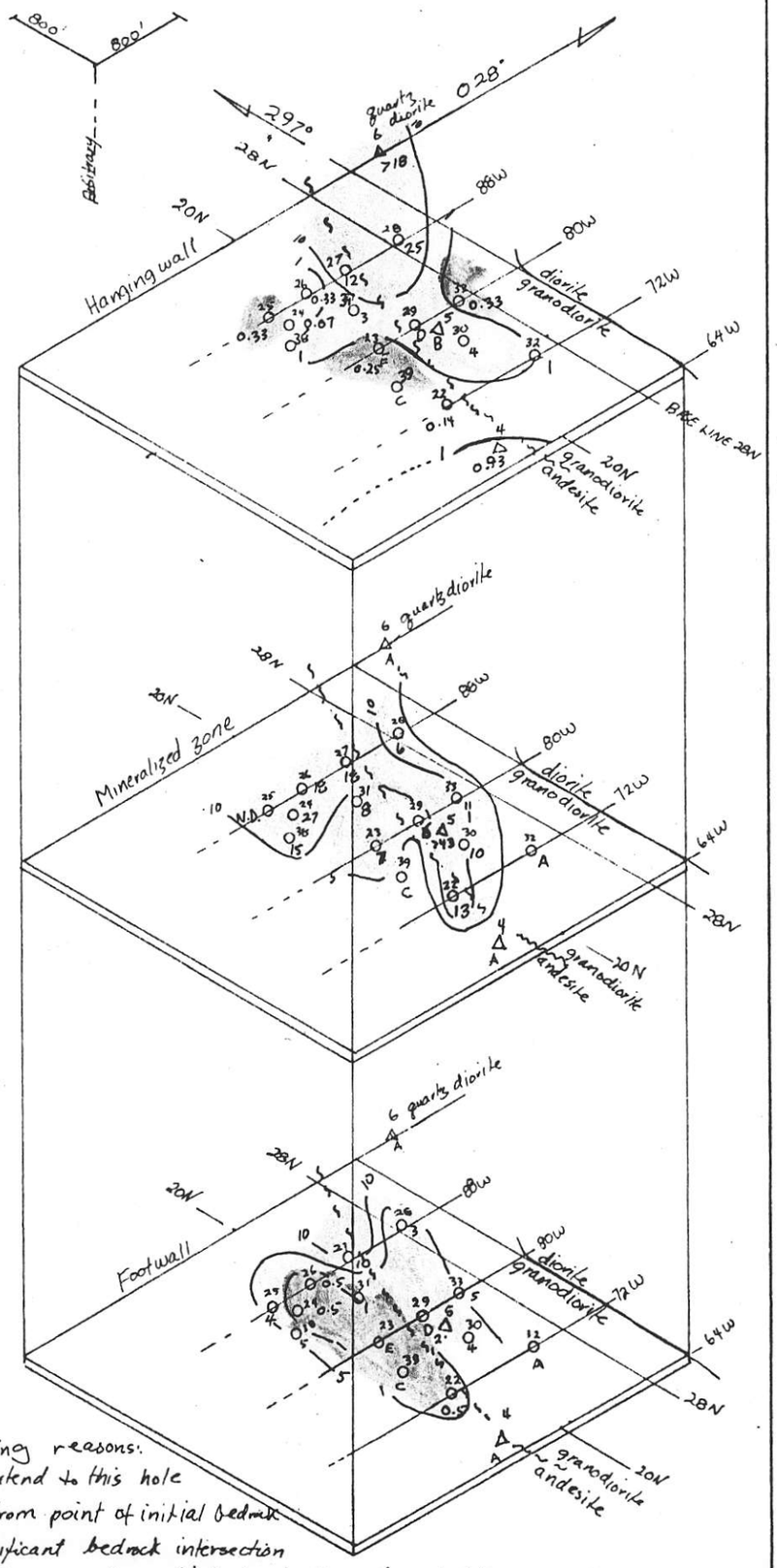
Drawn by: R.U.B.		Traced by:	
Revised by	Date	Revised by	Date
R.U.B	Dec 1975		

NTS 93N/2W

JEAN PROJECT
A-ZONE ISOMETRIC ISOPACH

Scale: 800 Ft | Date: Feb 1975 | Plate: A-3

210 0610



Legend

- ○ > 10:1 cp:py
- ○ 5:1 to 9.99:1 cp:py
- ○ 1:1 to 4.99:1 cp:py
- ○ <1:1 cp:py

○ 25 Percussion hole 74-
△ 6 Diamond drill hole 75-
No data at specified levels for the following reasons:

A = Main mineralized zone not believed to extend to this hole
B = Main mineralized zone encountered from point of initial bedrock
C = Hole lost, or abandoned, short of significant bedrock intersection
D = Hole encountered main mineralized zone at initial bedrock and ended in same
E = Hole bottomed in main mineralized zone
F = Not assayed
G = Hole obtaining significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.
H Projected main mineralized zone below depth 300 Ft
Fault inferred
Fault assumed

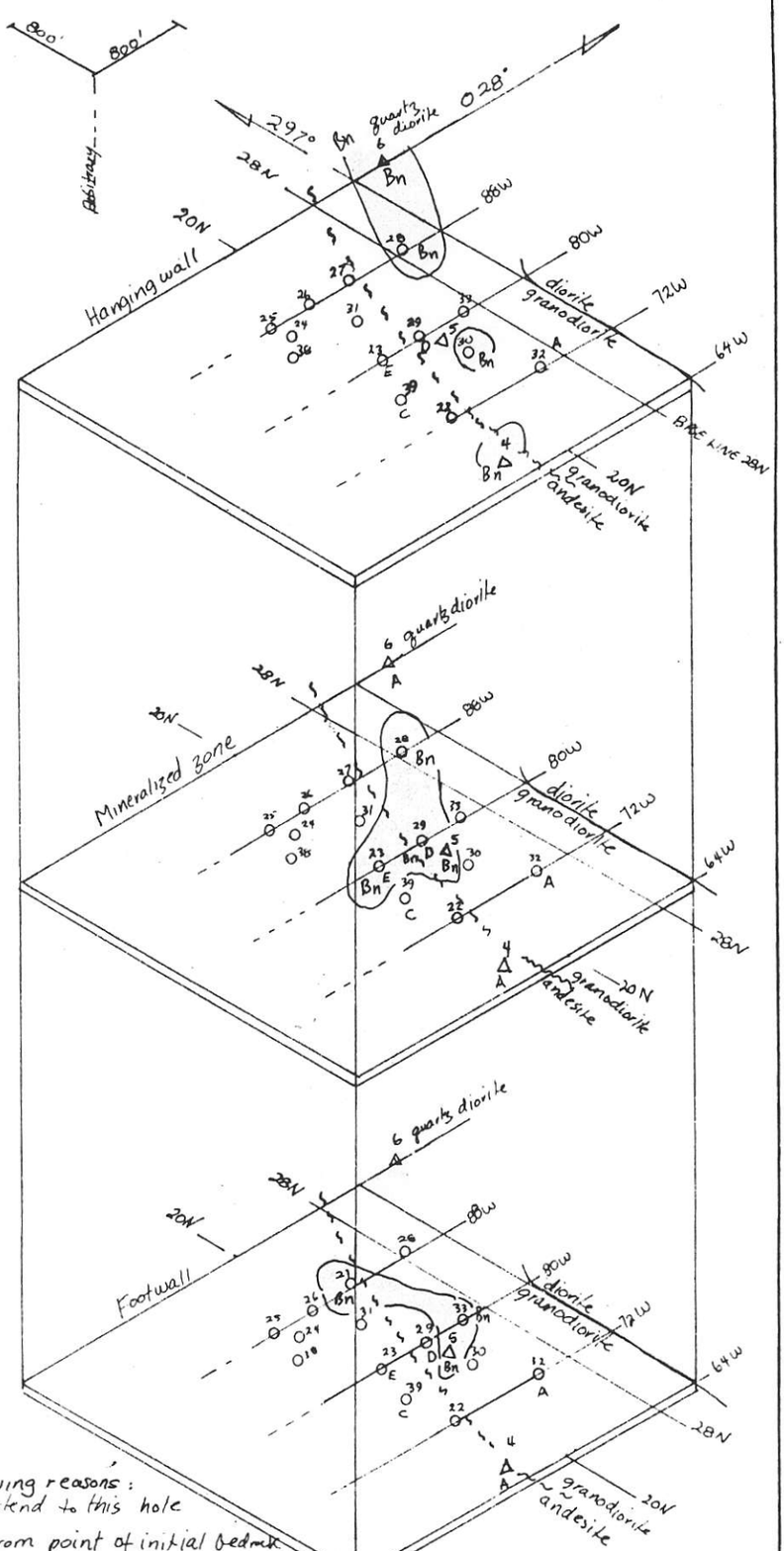
Cominco

Drawn by: R.U.B.		Traced by:		NTS 93N/2W
Revised by	Date	Revised by	Date	
R.U.B.	Dec 1975			

JEAN PROJECT
A-ZONE ISOMETRIC CHALCOPYRITE/PYRITE RATIOS.

Scale: 800 Ft | Date: Feb 1975 | Plate: A-4

210-0610



Legend

(Bn Bornite noted

25 O Percussion hole 74-

Δ6 Diamond drill hole 75-

No data at specified levels for the following reasons:

A = Main mineralized zone not believed to extend to this hole

B = Main mineralized zone encountered from point of initial bedrock

C = Hole lost, or abandoned, short of significant bedrock intersection

D = Hole encountered main mineralized zone at initial bedrock and ended in same

E = Hole bottomed in main mineralized zone

F = Not assayed

G = Hole obtaining significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.

H Projected main mineralized zone below depth 300 Ft

Fault inferred

Fault assumed

Cominco

Drawn by: R.U.B.		Traced by:	
Revised by	Date	Revised by	Date
RUB	Dec 1975		

NTS 93N/2W

JEAN PROJECT

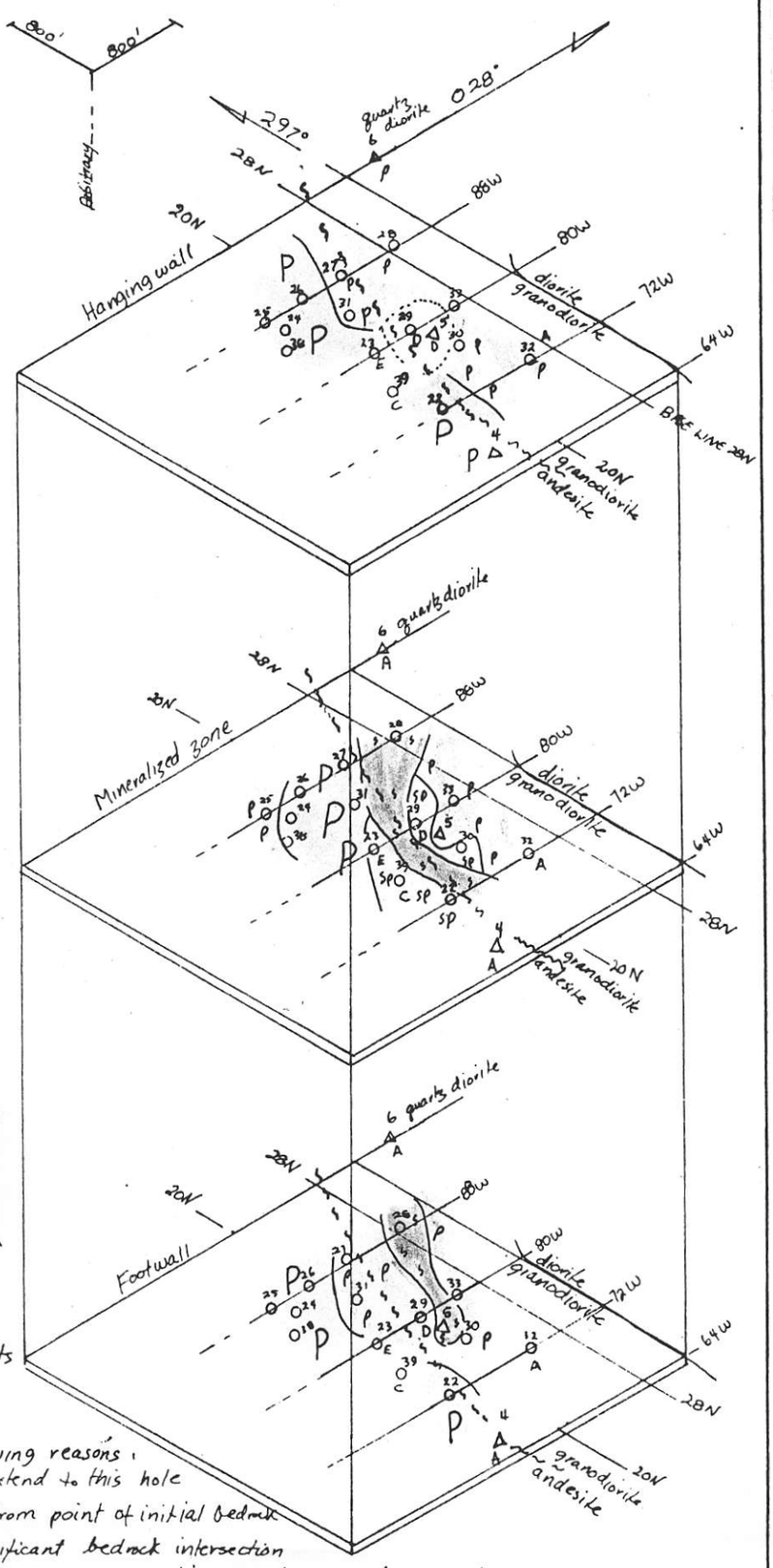
A-ZONE ISOMETRIC

BORNITE DISTRIBUTION

Scale: 800Ft

Date: Feb 1975

Plate A-5



LEGEND

(P) Strong to moderate potassic alteration (Typically expressed by abundant secondary biotite ± Kspar)

(pp) Weak to moderate potassic alteration (Expressed by lesser secondary biotite than above in volcanics and by secondary K-spar in intrusive)

(ss) Minor strong quartz-sericite development.

(sps) Sericite and potassic developments overlap.

$^{25}_{O}$ Percussion hole 74-

Δ^{6} Diamond drill hole 75-

No data at specified levels for the following reasons:

A = Main mineralized zone not believed to extend to this hole

B = Main mineralized zone encountered from point of initial bedrock

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D = Hole encountered main mineralized zone at initial bedrock and ended in same

E = Hole bottomed in main mineralized zone

F = Not assayed

G = Hole obtaining significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.

H Projected main mineralized zone below depth 300 Ft

Fault inferred

Fault assumed

Cominco

Drawn by: R.U.B.		Traced by:	
Revised by	Date	Revised by	Date
R.U.B	Dec. 1975		

NTS 93 N 12W

JEAN PROJECT

A-ZONE ISOMETRIC ALTERATION

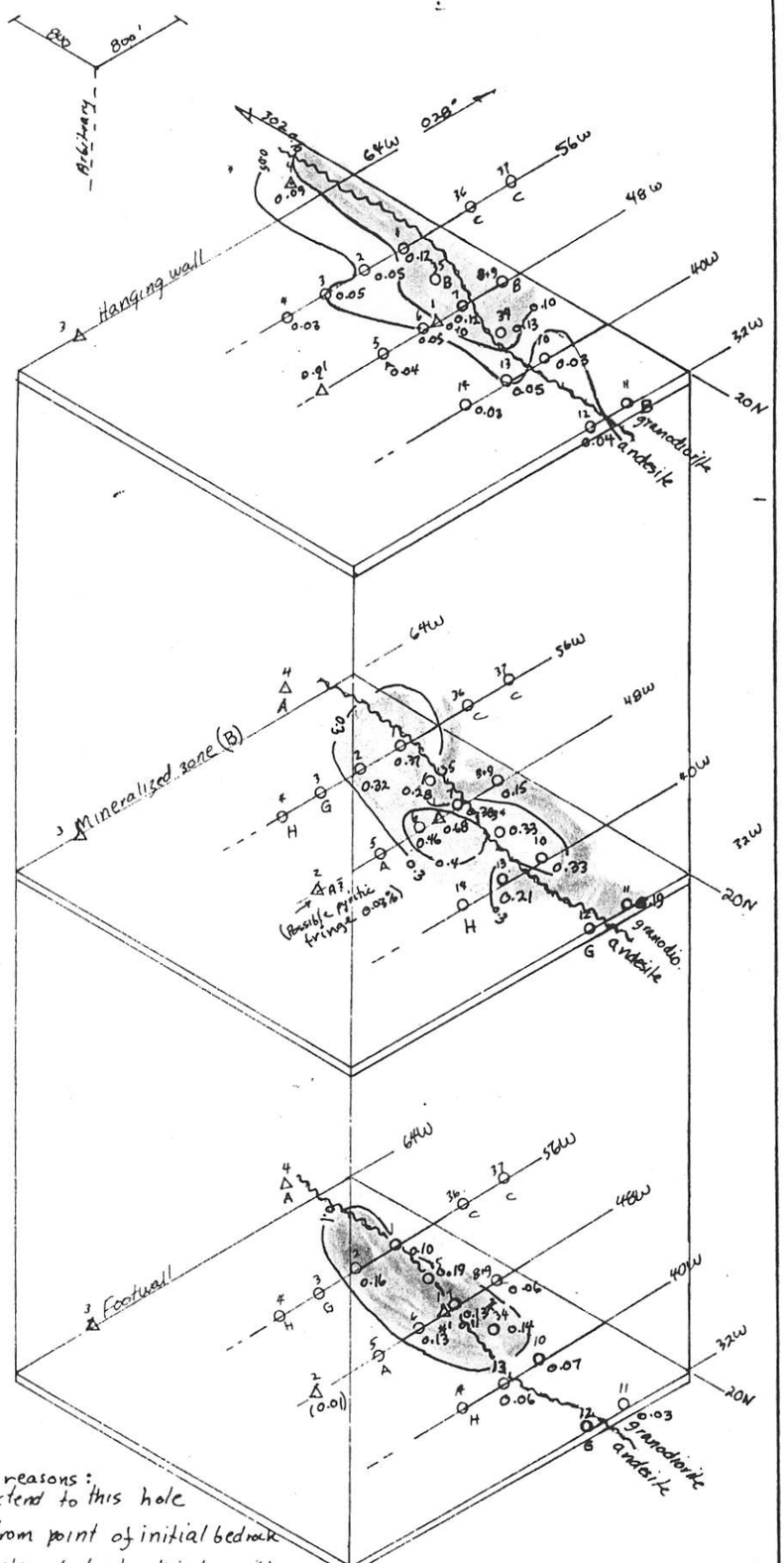
Scale: [illegible] Date: [illegible] 1975 Plate A-6

CLASSIFICATION OF MEANS BY ROCK TYPE (PERCUSSION DATA ONLY)

HANGING WALL	
INTRUSIVE	VOLCANICS
0.03%	0.06%

B - ZONE	
INTRUSIVE	VOLCANICS
0.22%	0.35%

FOOT WALL	
INTRUSIVE	VOLCANICS
0.05%	0.12%



Legend

- 25 O Percussion hole 74-
- Δ6 Diamond drill hole 75-
- No data at specified level for the following reasons:
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- F = Not assayed
- G = Hole obtained significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.
- H Projected main mineralized zone below depth 300 Ft
- ~ Fault inferred
- ~ ~ Fault assumed

- ○ ≥ 0.4% Cu
- ○ 0.25 to 0.4
- ○ 0.1 to 0.25
- ○ 0.05 to 0.1

*1 Excludes 30' @ 0.27% Cu at end of hole
*2 Excludes 20' @ 0.72% Cu at end of hole

Cominco

Drawn by: RJB		Traced by:		93N/2W
Revised by	Date	Revised by	Date	
RJB	Dec 1975			

JEAN PROJECT
B-ZONE ISOMETRIC
COPPER %

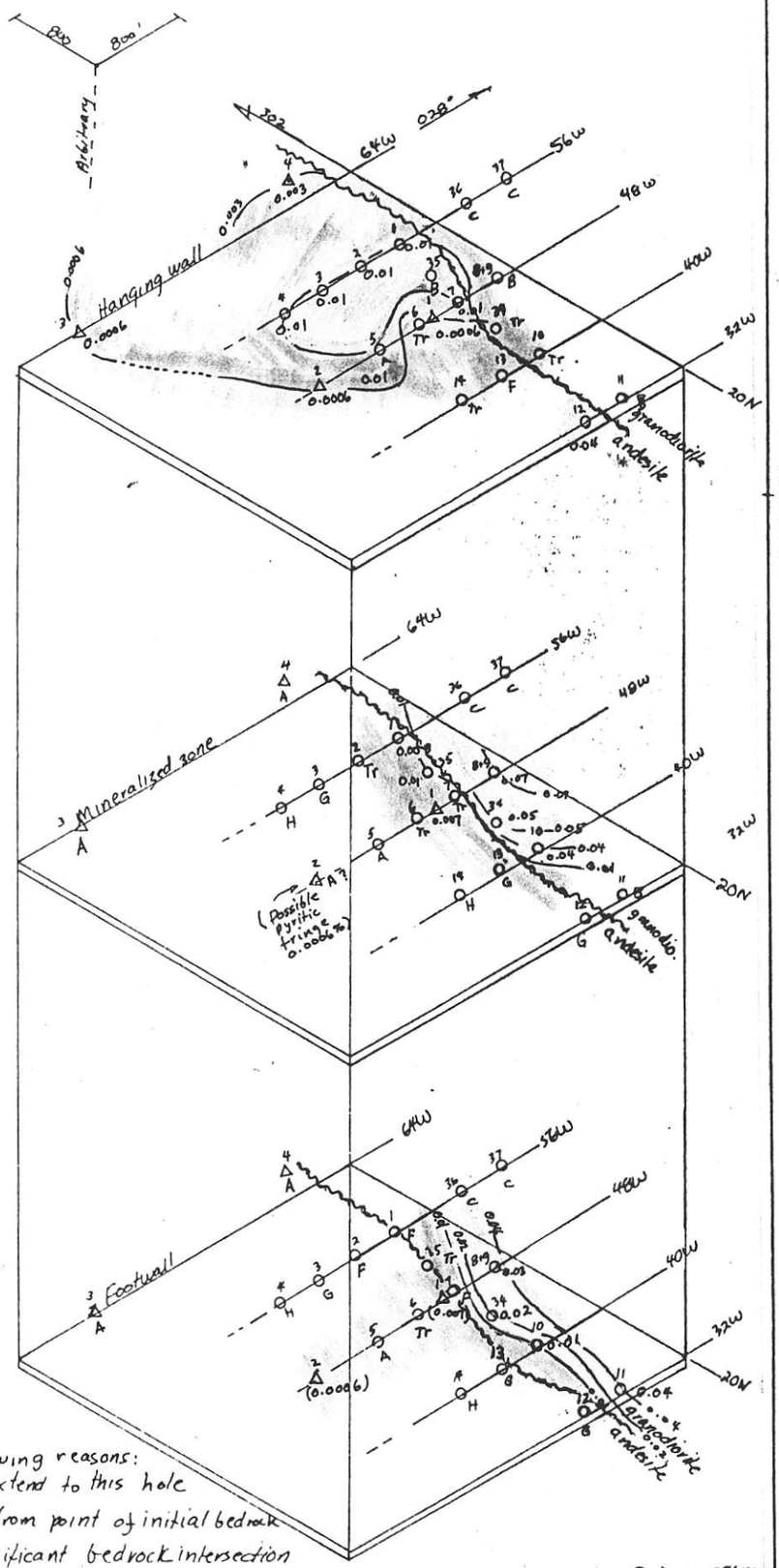
Scale: 1" = 800 Ft | Date: Feb 1975 | Plate: B-1

CLASSIFICATION OF MEANS BY ROCK TYPE (PERCUSSION DATA ONLY)

HANGING WALL	
INTRUSIVE	VOLCANIC
Trace	0.01%

A - ZONE	
INTRUSIVE	VOLCANIC
0.06 %	trace

FOOT WALL	
INTRUSIVE	VOLCANIC
0.02%	trace



Legend

25 / O Percussion hole 74-

Δ6 Diamond drill hole 75-

No data at specified levels for the following reasons:

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B = Main mineralized zone encountered from point of initial bedrock

C = Hole lost, or abandoned short of significant bedrock intersection

D = Hole encountered main mineralized zone at initial bedrock and ended in same

E = Hole bottomed in main mineralized zone

F = Not assayed

G = Hole obtained significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.

H Projected main mineralized zone below depth 300 Ft

Fault inferred

Fault assumed

O ≥ 0.07% mo

O 0.01 to 0.07

O < 0.02

Cominco

Drawn by: RLB		Traced by:	
Revised by	Date	Revised by	Date
RLB	Dec 1975		

JEAN PROJECT

B-ZONE ISOMETRIC

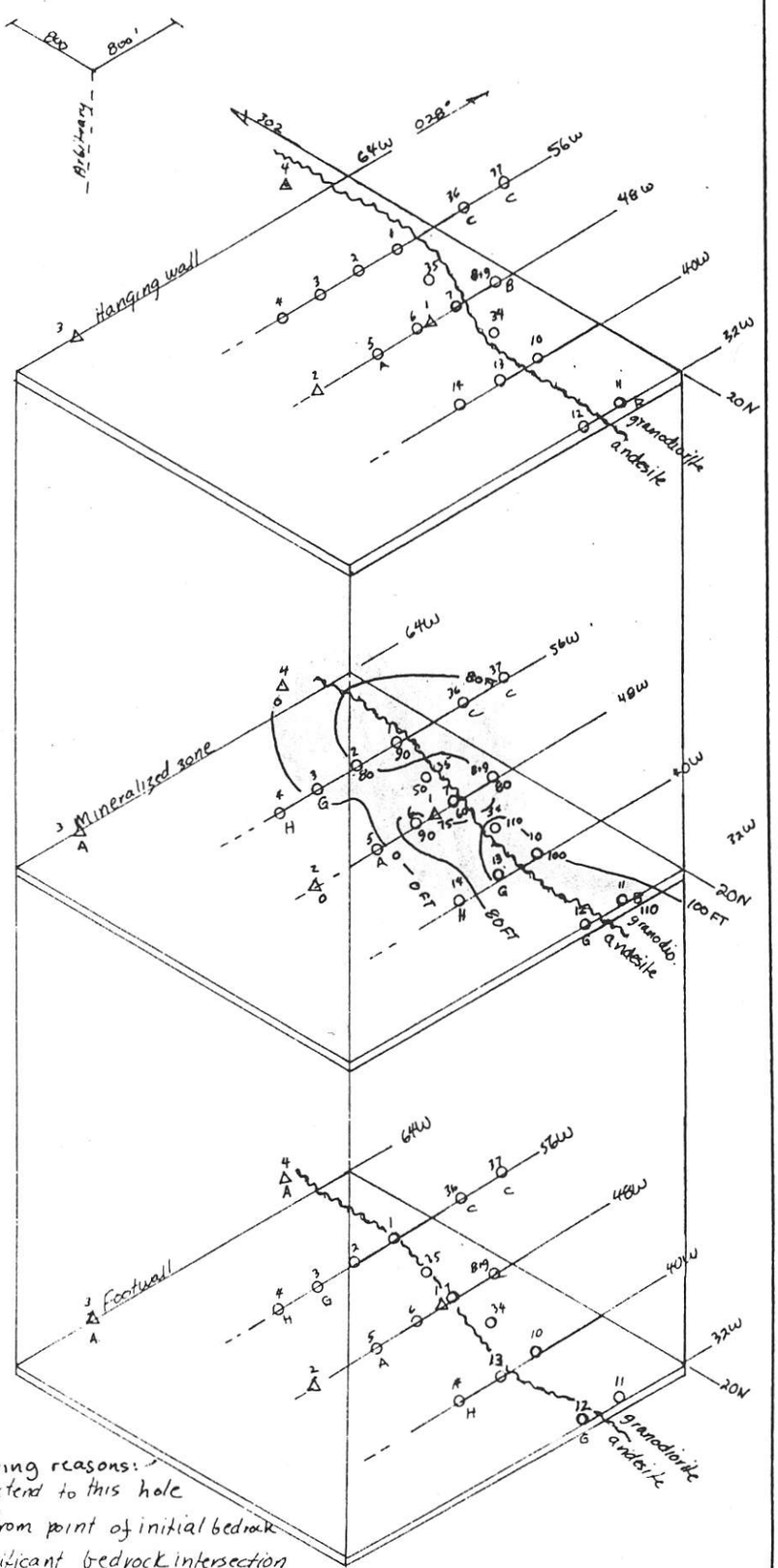
MOLYBDENUM %

93N/2W

Scale: 1" = 800 Ft

Date: Feb 1975

Plate: B-2



Legend

- 25 / O — Percussion hole 74-
- Δ6 — Diamond drill hole 75-
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- E = Hole bottomed in main mineralized zone
- F = Not assayed
- G = Hole obtained significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.
- H — Projected main mineralized zone below depth 300 Ft
- ~ — Fault inferred
- ~~ — Fault assumed

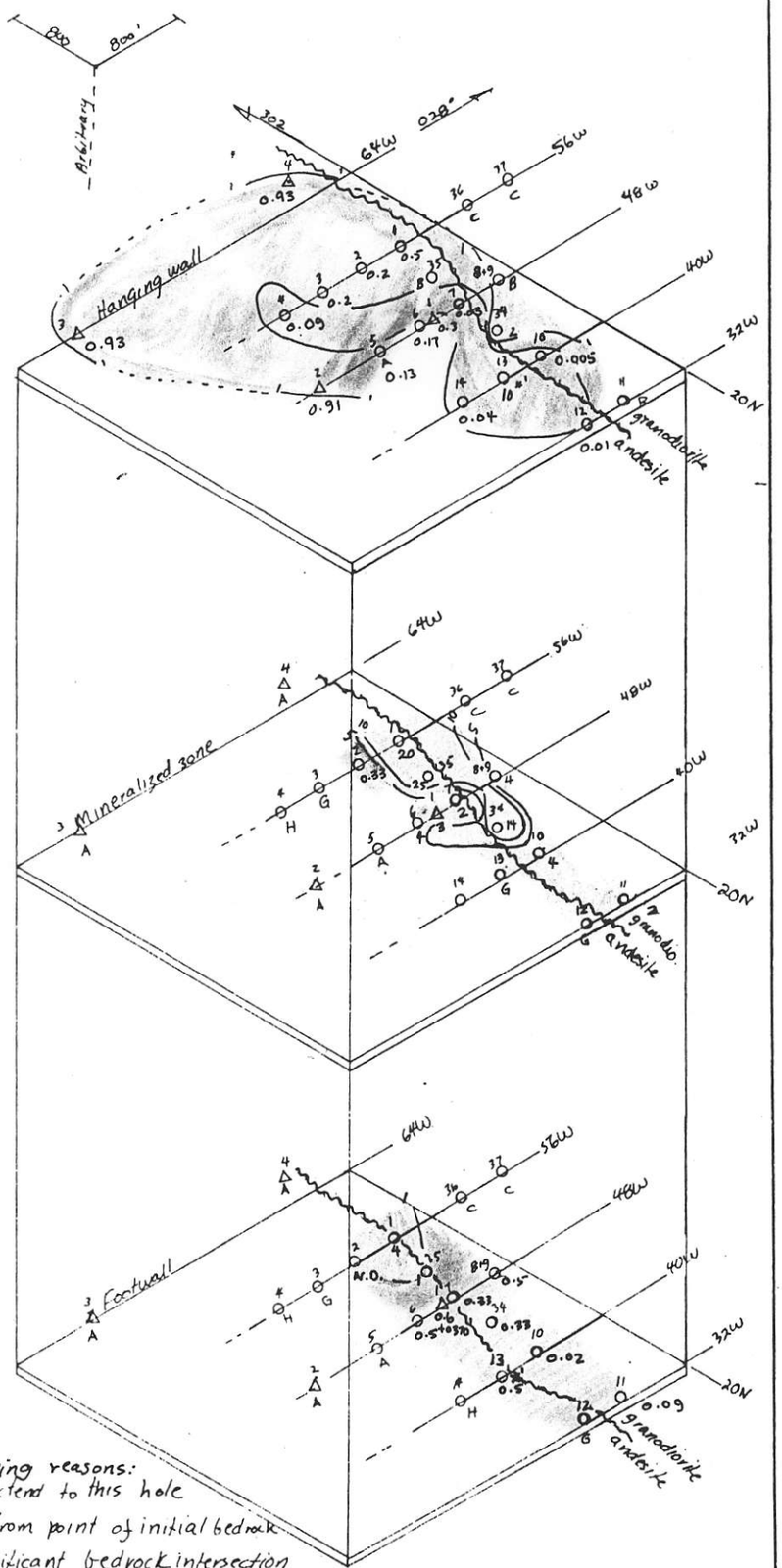
- O ≥100 FT
- O 0+-100
- O zero

Cominco

Drawn by: RWB.		Traced by:		93N/12W
Revised by	Date	Revised by	Date	
RWB	Dec 1975			

JEAN PROJECT
B-ZONE ISOMETRIC ISOPACH

Scale: 1" = 100 FT | Date: Feb 1975 | Plate: B-3



Legend

- ○ > 10 : 1 cp : py
- ○ 5 : 1 to 9.99 : 1 cp : py
- ○ 1 : 1 to 4.99 : 1 cp : py
- ○ < 1 : 1 cp : py

$^{35}_{0}$ Percussion hole 74-

Δ^{6} Diamond drill hole 75-

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E = Hole bottomed in main mineralized zone

F = Not assayed

G = Hole obtained significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.

H Projected main mineralized zone below depth 300 Ft

Fault inferred

Fault assumed

*' B-zone not intersected in hole 13
60' to 110' is similar in cpy/py to B-zone. Blueberry zone?

Cominco

Drawn by: RWB	Traced by:		
Revised by	Date	Revised by	Date
RWB	Feb 1975		

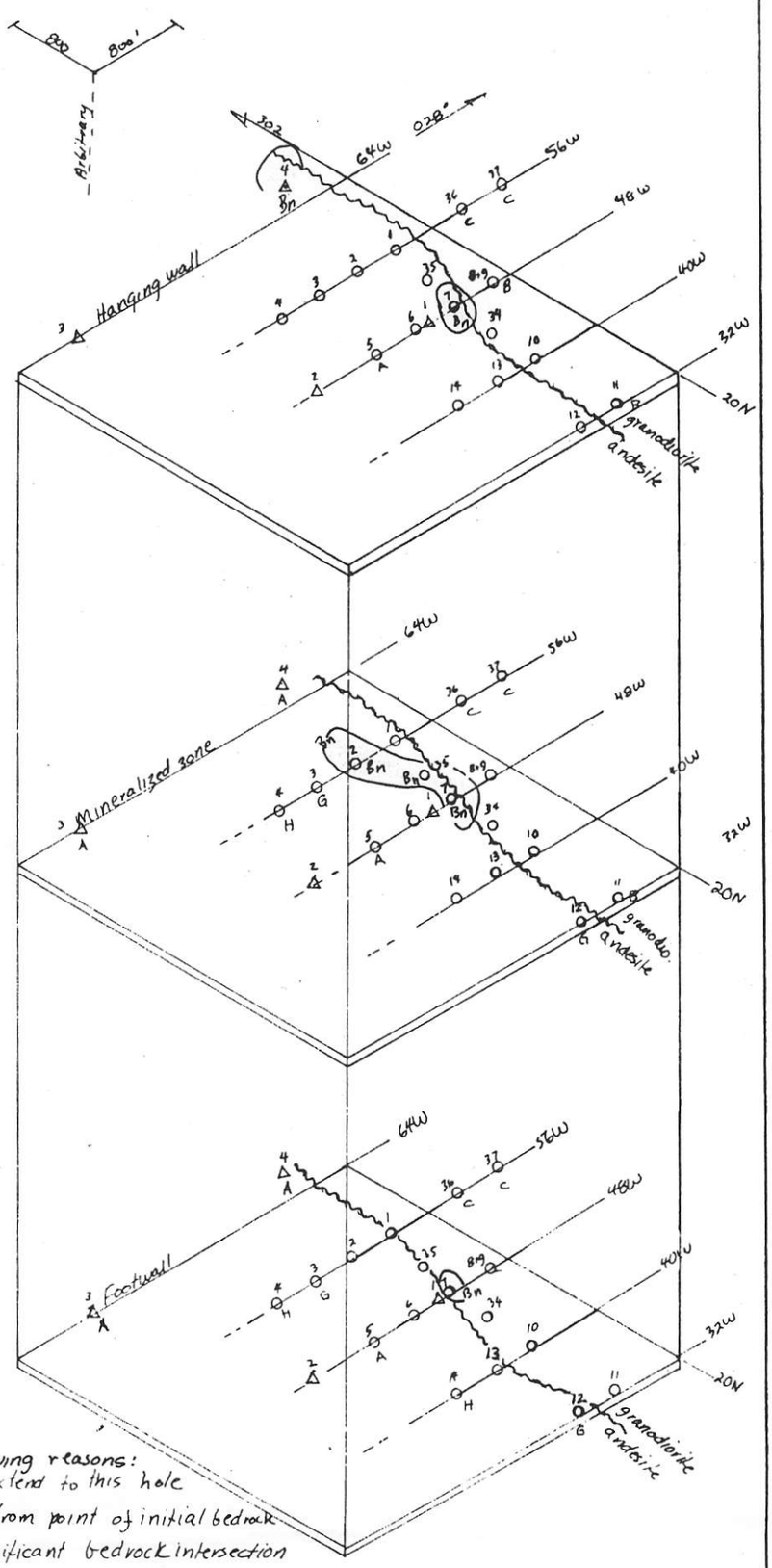
JEAN PROJECT
B-ZONE ISOMETRIC
CHALCOPYRITE/PYRITE RATIOS

93N/2W

Scale: 1" = 800'

Date: Feb 1975

Plate B-4



Legend

(Bn) Bornite noted

$\overset{25}{\circ}$ Percussion hole 74-

Δ^{6} Diamond drill hole 75-

No data at specified levels for the following reasons:

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F = Not assayed

G = Hole obtained significant bedrock intersection but lost short of main mineralized zone at projected depth ≤ 300 Ft.

H Projected main mineralized zone below depth 300 Ft

Fault inferred

Fault assumed

Drawn by: RJB.		Traced by:	
Revised by	Date	Revised by	Date
RJB	Dec 1975		

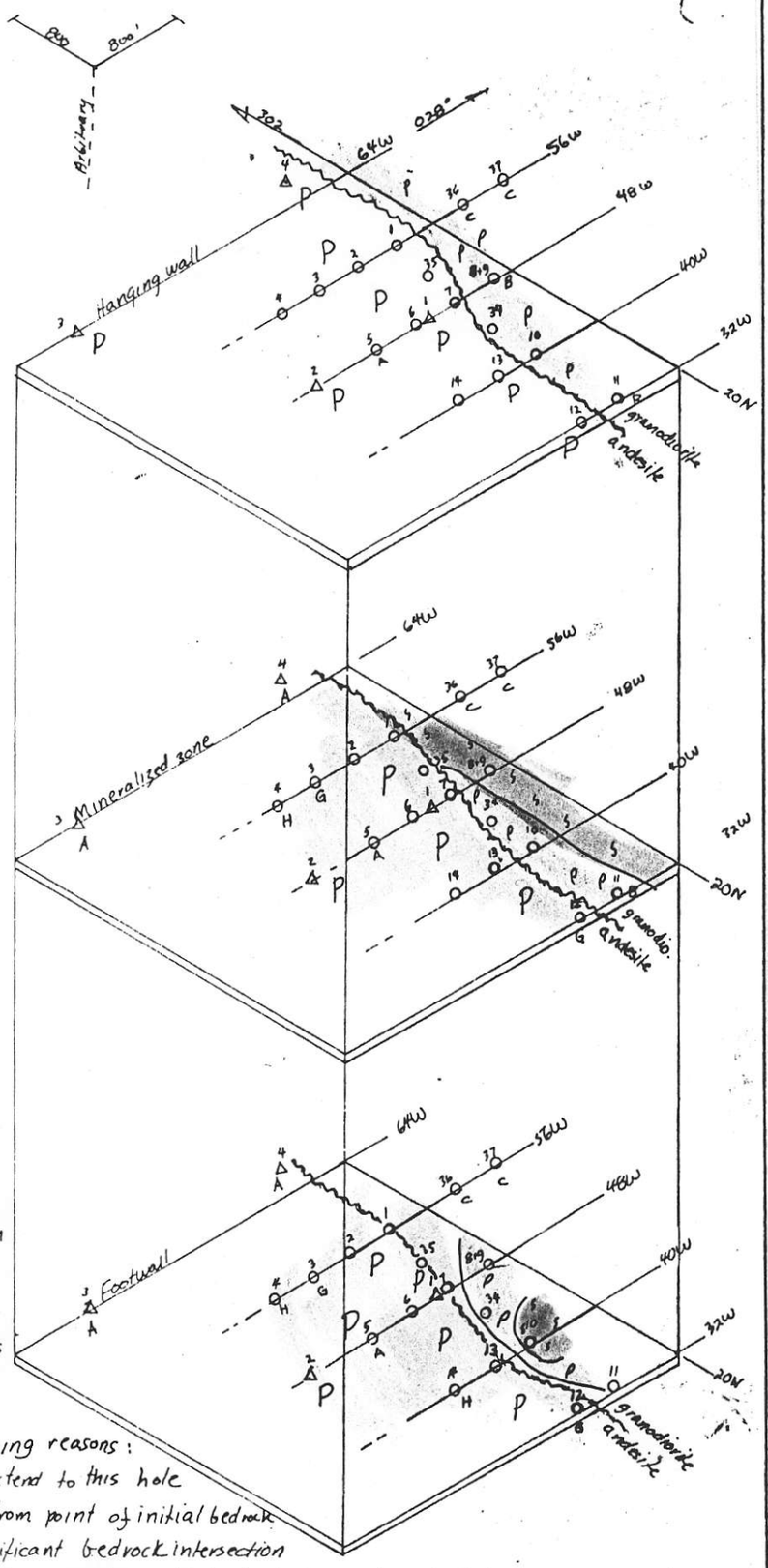
JEAN PROJECT

B-ZONE ISOMETRIC

BORNITE DISTRIBUTION

93N/2W

Scale: 1" = 800 Ft | Date: Feb 1975 | Plate B-5



LEGEND

(P) Strong to moderate potassic alteration (Typically expressed by abundant secondary biotite ± Kspar)

(PP) Weak to moderate potassic alteration (Expressed by lesser secondary biotite than above in volcanics and by secondary K-spar in intrusive)

(SS) Minor strong quartz-sericite development

(SPS) Sericite and potassic developments overlap

25 ○ Percussion hole 74-

Δ6 Diamond drill hole 75-

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F = Not assayed

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H Projected main mineralized zone below depth 300 Ft

~ Fault inferred

~~ Fault assumed

Cominco

Drawn by: RLB		Traced by:	
Revised by	Date	Revised by	Date
RLB	Dec 1975		

JEAN PROJECT
B-ZONE ISOMETRIC ALTERATION

93N/12W

Scale: 1" = 800 Ft

Date: Feb 1975

Plate: B-6

210-0610