IN THE MATTER OF THE

B.C. MINERAL ACT

IN THE MATTER OF A DIAMOND DRILL PROGRAMME

CARRIED OUT ON THE MINERAL CLAIMS

JW 119, 120

OF THE

JEAN 74-3 AND JEAN 74-4 SUPPLEMENTARY GROUPS

Located in the Mount Alexander Area

in the Omineca Mining Division

Province of British Columbia

More Particularly N.T.S. 93N

A F F I D A V I T

I, RAGNAR U. BRUASET, of the city of Vancouver in the Province of British Columbia, make oath and say:

1. That I am employed as a geologist by Cominco Ltd. and, as such, have a personal knowledge of the facts to which I hereinafter depose;

2. That annexed hereto and marked as "Exhibit A" to this my affidavit is a true copy of expenditures incurred on diamond drilling on the mineral claims JW 119, JW 120.

3. That the said expenditures were incurred between the 16th day of July 1975 and the 4th day of August, 1975 for the purpose of mineral exploration on the above noted claims.

Sworn Before Me at the City of Vancouver in the Province of British Columbia this 10th day of September 1975.

M E Brown

A NOTARY PUBLIC IN AND FOR THE PROVINCE OF BRITISH COLUMBIA

Ragnar U. Bruaset

RAGNAR U. BRUASET

Map 1 Claim map

COMINCO LTD.

EXPLORATION WESTERN DISTRICT

NTS: 93N

COST STATEMENT

JEAN PROPERTY

MOUNT ALEXANDER AREA

OMINECA M.D., B.C.

Contract Charges 1035 feet @ $19.79/foot Shepherd Enterprises Ltd.	$ 20,486
Supervision - R.U. Bruaset - July 16- Aug. 4,1975 20 days @ $103/day	$ 2,060
Helper - Mark Spurr - July 16- Aug. 4,1975 20 days @ $44/day	$ 880
Camp Costs	$ 1,460
Air Transportation - fixed wing, helicopters (N.T. Air, Northern Mountain Helicopters, Okanagan Helicopters)	$ 1,877
Surface Transportation Truck rental (Redhawk Lease) 20 days @ $29/day	$ 580
Bombardier rental (Coast Utilities Ltd.) 20 days @ $42/day	$ 840
TOTAL COST:	$ 28,183

OVERALL COST PER FOOT: $\frac{28,183}{1,035} = \$27.23$

THIS IS EXHIBIT "A" TO THE STATUTORY DECLARATION OF EXPENDITURE RELATING TO THE DIAMOND DRILLING PROGRAM DECLARED BEFORE ME ON THE 10th DAY OF SEPTEMBER 1975 A.D.

M S Brown

A NOTARY PUBLIC IN AND FOR THE
PROVINCE OF BRITISH COLUMBIA

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

9 SEPTEMBER 1975

STATEMENT OF QUALIFICATIONS

I, R.U. Bruaset, with business address at 2200-200 Granville Square, Vancouver, British Columbia, V6C 2R2, do hereby certify that I have supervised the diamond drilling programme and the logging of the drill core, and have assessed and interpreted the data resulting from said programme on the Jean Property.

I also certify that:

1. I am a graduate of the University of British Columbia with a degree of B.Sc in Geology 1967.

2. That I have been involved in exploration work for Cominco Ltd. since 1967 and that I have been involved in most phases of porphyry copper exploration and development since 1968 to the present.

3. That I have been closely involved with the exploration work on the Jean property during 1973, 1974 and 1975.

Respectfully submitted: R.U. Bruaset

R. U. Bruaset
Project Geologist

Endorsed by: D.W. Heddle

D. W. Heddle, P.Eng.
Chief Geologist

Approved for Release by: W.T. Irvine

W. T. Irvine, P.Eng.
Manager, Exploration

DISPOSITION OF DRILL CORE

The diamond drill core from DDH's 75-1, 2 is being stored under cover at the camp located on M.C. JW 126 in the vicinity of 72W 28N.

R. U. Bruaset

9 September 1975

Scale

Colour Plot & Slips

Drill Hole Record

Cominco

Property JEAN | District Omineca M.D. | Hole No. DDH 75-1

Commenced Setting up July 15/75 | Location B-Zone | Tests at 431 | Hor. Comp. 355'

Completed July 28/75 | Core Size BQ | Corr. Dip ~~57°~~ to ~~58°~~ Corrected dip -52° Bulk | Vert. Comp. 530

Co-ordinates 11 + 66N; 47 + 81 W (relative to 48W, 10N) | True Brg. ---- | Logged by R. U. Bruaset

Objective Structural lithological information. Test on grade and extent of mineralization. | % Recov. 92.5% | Date July 19-28, 1975

Claim JW 120 | T Brg. 028 | Collar Dip 055° | Elev. 3520 | Length 635.33 | Hole No. DDH 75-1 | Sheet 1

Footage From	To	Description	% Total sulphides	cp/py	Bornite, molybdenite noted Bn/MoS_2	Magnetism A=strong B=mod. C=weak D=non.	Core angle of min.	Control of sulphides A=hair-line fractures B=qtz. veins (<1/8") C=dissem.	Post mineral $CaCO_3$ Epidote noted	Note	Sample No.	Length	Analysis	% Recovery
		0-32.5' Overburden (No malachite or other secondary copper minerals observed in core)												
32.5'	40'	Fine grained volcanic rock. Takla. Possibly flow. Massive greenish grey due to chloritization. Occas. augite phenocrysts ± feldspar pheno. Very tough rock. Local recrystallization along fractures. Appears siliceous to 146'. Then becomes	3%	15:1	No/No	D	60°	A + C	$CaCO_3$ Epidote	Minor Fe_3O_4 with cpy and pyrite	4551I	7.5		6
40	50	rich in secondary biotite and somewhat finer grain in general,	2%	1:2	No/No	D	"	A + C	$CaCO_3$		4552I	10		9

211-9437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

R.E. Bruneau

Property	JEAN	District		Hole No.	DDH 75-1
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 2

Footage From	To	Description	% Sulphide	cp/py	Bornite Molyb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
50	60	although locally siliceous. It appears that secondary biotite is superimposed on dominant silicification	3%	1:3	No/No	D	60°	A + C	$CaCO_3$	58' Fe_3O_4, py, cpy in hairline fracture	4553I	10		9.5
60	70	"	3%	1:5	No/No	"	60°, 10-20°	A + C	$CaCO_3$		4554I	10		9.5
70	80	"	3%	1:2	No/No	B	45°, 10-20°	A + C	$CaCO_3$	72', 76' pyrrhotite + Fe_3O_4	4555I	10		10
80	90	"	1%	1:4	No/No	C	"	A	$CaCO_3$		4556I	10		10
90	100	"	1%	1:4	No/No	D	"	A	"	99' very sharp change in cp/py ratio. Also core angles become flatter.	4557I	10		10
100	110	"	2.5%	5:1	No/Yes	D	50°-70°	A+C+D	"		4558I	10		9.5

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	JEAN	District	Hole No. DDH 75-1
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 3

Footage From	To	Description	% Sulphide	cp/py	Bornite Molyb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis Recovery
110	120	"	2.5%	5:1	No/Yes	D	50-70°	A+C+D	$CaCO_3$	MoS_2 occas. with cp in quartz vein	4559I	10	9.0
120	130	"	3%	5:1	No/Yes	D	"	A + C	"	124 to 141 Qtz. veins up to 1 inch + hairline fractures. Better grade section 130-135	4560I	10	9.0
130	135	"	3%	5:1	No/Yes	D	"	A + C	"	135-140 Intense chloritization	4561I	5	4
135	140	"	3%	5:1	No/Yes	D	"	A + C	"	and quartz veining	4562I	5	4
140	150		3%	5:1	No/Yes	C	"	A + D	"	Core angle of mineralization indistinct. Badly broken core.	4563I	10	6.5
150	160	Takla similar to above but in general finer grain. Augite pheno-	3%	1:1	No/No	D	60-70	A + C	"	142' bleached area cut by hairline fractures with cpy.	4564I	10	9.5

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	JEAN	District		Hole No.	DDH 75-1
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 4

Footage From	To	Description	% Sulphide	cp/py	Bornite Molyb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
		crysts quite rare. Occas. flowbanding suggested. Darker in colour, less siliceous								145 minor gouge				
160-170		"	3%	1:1	No/No	D	60-70	A+B+C	$CaCO_3$	158' siliceous zone	4565I	10		8.5
170-180		"	3%	2:1	No/No	D	"	A+B+C	"	cut by quartz vein + cpy. K-spar salvage	4566I	10		10
										183' flowbanding.				
180-190		"	3%	2:1	No/No	D	"	A	"		4567I	10		9.5
190-200		"	3%	2.5:1	No/Yes	D	"	A	"		4568I	10		10
200-210		Takla volcanics as above with secondary biotite and common silicifica-	1%	1:2	No/No	C	40-70° occas. 20°	A	"	198 metasomatic dykelet. Potash enrichment as kspar.	4569I	10		10

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Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	JEAN	District		Hole No.	DDH 75-1
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 5

Footage From	To	Description	% Sulphide	cp/py	Bornite Mo.yb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
		tion. Occas. augite phenocrysts very tough rock. Biotite appears to replace the tough siliceous rock.												
210	220	"	1/2%	1:20	No/No	C	40-70° Occas. 20°	A	$CaCO_3$		4570I	10		10
220	230	"	1/2%	1:20	No/No	C	"	A	"		4571I	10		10
230	240	"	1%	1:20	No/No	D	"	A	"		4572I	10		8
240	250	"	1%	1:15	No/Yes	D	15-25° 40-60°	A	"		4573I	10		8.5
250	260	"	1%	1:10	No/No	D	"	A,B,C	"		4574I	10		9
260	270	"	1%	1.5:1	No/No	D	"	A,B,C	"		4575I	10		9
270	280	"	1/2%	3:1	No/No	C	70-80	A + C	"		4576I	10		9
280	290	"	1%	3:1	No/No	C	50-80° 20°	A + C	"		4577I	10		9.5
290	300	"	1/2%	1:5	No/No	C	"	A + B	"		4578I	10		9.5
300	310	"	1/2%	1:3	No/No	C	70° occas. 20°	A + C	minor epidote	300-320 Brassy material from drill bit on	4579I	10		6
310	320	Very siliceous to 317.	1/2%	1:3	No/No	C	"	A + C			4580I	10		10

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property JEAN | District | Hole No. DDH 75-1

Commenced | Location | Tests at | Hor. Comp.

Completed | Core Size | Corr. Dip | Vert. Comp.

Co-ordinates | True Brg. | Logged by

Objective | % Recov. | Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 6

Footage From	To	Description	% Sulphide	cp/py	Bornite Molyb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$		Sample No.	Length	Analysis	Recovery
		Rock Type								Note				
		Augite phenocrysts secondary biotite.								core. Possible contaminant.				
320-330		Fine grained to aphanitic Takla. Siliceous with secondary biotite. Very tough rock.	1/4%	1:5	No/No	C	60-70° 20	A + C	$CaCO_3$	322 Limonite after pyrite	4581 I	10		7.5
330-340		"	1/4%	ND	No/No	C	20-30 50-70	A + C	"		4582 I	10		10
340-350		"	1/4%	1:30	No/No	C	60-70 18-20	A + C	"		4583 I	10		9
350-360		Secondary biotite development pervasive. Little silicification.	1/2%	1:30	No/No	D	50	A + C	"	356.5-357.5 mylanitic (?) zone cut by vein with minor cpy	4584 I	10		9.5
360-370		"	1/2%	1:30 to 363	No/No	D	60° 15°	A + C	"	361.5 minor dipslip fault with change of dip along dip. $CaCO_3$ fills the space.	4585 I	10		10

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Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property JEAN | District | Hole No. DDH 75-1

Commenced | Location | Tests at | Hor. Comp.

Completed | Core Size | Corr. Dip | Vert. Comp.

Co-ordinates | True Brg. | Logged by

Objective | % Recov. | Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 7

Footage From	To	Description	% Sulphide	cp/py	Bornite Molyb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
										362.5 Augite phenocrysts replaced by chlorite. 370 minor epidote with quartz cpy pyrite				
370	380	"	1/4%	1:1	No/No	D	60°,15°	A + C	$CaCO_3$		4586I	10		10
380	390		1/2%	5:1	No/No	D	60°	A + C	"	370-385 Gouge, mylanite, fracturing Faulting @ 60° core angle 387-404 Soft red earthy mineral on fractures. A few Limonite fractures 393-394 Fault @ 60°	4587I	10		10
390	400	Pervasive secondary biotite	1/2%	5:1	No/No	D	50-60 20°	A + C	"		4588I	10		10

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Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property JEAN | District | Hole No. DDH 75-1

Commenced | Location | Tests at | Hor. Comp.

Completed | Core Size | Corr. Dip | Vert. Comp.

Co-ordinates | True Brg. | Logged by

Objective | % Recov. | Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 8

Footage From	To	Description	% Sulphide	cp/py	Bornite Mo.yb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
400	410	Pervasive secondary biotite	1/4%	5:1	No/No	D	50-60° 20°	A + C	$CaCO_3$		4589I	10		8
410	420	"	1/4%	5:1	No/No	D	70,90°	A + C	"	419 Limonitic fractures	4590I	10		9
420	430	Minor silicification of fine grained Takla, but pervasive biotite development	1/4%	3:1	No/No	D	60,40°	A + C	"	407-426 Minor faults @ 5°, 40° Gouge	4591I	10		10
430	440		1%	5:1	No/No	C	40,70 20	A + C	"		4592I	10		10
440	450	"	1%	5:1	No/No	C	60,30	A+B+C		440-450 Fe_3O_4 in mineralized fracture	4593I	10		9.5
450	460	"	1%	5:1	No/No	C	60,30	A+B+C	"	454 Augite phenocrysts replaced by chlorite 450-460 much shearing and gouge @ 40, 60°	4594	10		10
460	470	"	1%	5:1	No/No	C	60,30	A + C	"	magnetite	4595I	10		9.5
470	480	Takla as above. Local												

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	JEAN	District		Hole No.	DDH 75-1
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 9

Footage From	To	Description	% Sulphide	cp/py	Bornite Molyb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
		secondary K-spar development	1 1/2%	5:1	No/No	B	60°, 70° 90°	---	$CaCO_3$	Qtz carbonate veins "Emerald Green" sericite 470-479 Kspar salvages in vein borders	4596I	10		10
480-490		Granodiorite contact at 481'. Massive medium grained usually granitic textured but occasionally porphyritic Plagioclase commonly altered to soft white clayey material soft to fingernails. Also occasionally greenish Fresh biotite grains.	1/2%	5:1	No/MoS_2	C	30-40° occas. 80°	A + B	$CaCO_3$ from breakdown of plagioclase?	479-481 Gouge core angles 60°, 20° 481-511 1/2 Pink kspar salvages common. Plagioclase frequently red due to hematite presumably	4597I	10		10

Quality of feldspar outlines enhanced by clay alteration Rob

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

R. L. Brummet

Property JEAN	District	Hole No. DDH 75-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 10

Footage From	To	Description	% Sulphide	cp/py	Bornite Molyb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
490-500		Specimen 497 etched and stained 20% quartz 3% mafics 12% Kspar 77% total feldspar	1 1/2%	3:1	No/MoS_2	C	30-40°	A + B	$CaCO_3$		4598I	10		10
500-510		Intense kaolinization	1 1/2%	3:1	No/MoS_2	B	"	A + B	"		4599I	10		10
510-520		Granodiorite as above 510 Specimen etched in HF and stained in cobaltinitrite: 17% Qtz 4% mafics 17% Kspar 79% total feldspar. Medium grained granitic texture	1/2%	3:1	No/MoS_2	C	60,80	A	"	510-533 Kspar salvages in vein borders	4600I	10		9.5
520-530		Biotite granodiorite. Pervasive chloritization.	1/2%	3:1	No/MoS_2	C	60,80	A,B,C,	"		4601I	10		9.5
530-540		"	1/2 to 1/4%	1.5:1	No/No	C	40°	A,B,C,	"	520-523 Fault @ 60° 533 Barren quartz	4602I	10		6.5

211-8427

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Alex Brossard

Property JEAN	District	Hole No. DDH 75-1	Claim
Commenced	Location	Tests at	Hor. Comp.	T Brg.
Completed	Core Size	Corr. Dip	Vert. Comp.	Collar Dip
Co-ordinates		True Brg.	Logged by	Elev.
Objective		% Recov.	Date	Length
				Hole No.
				Sheet 11

Footage From	To	Description	% Sulphide	cp/py	Bornite Molyb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
										veinlet cuts mineralized fracture				
										540 slickensides				
										545 slickensides @ 0°				
540-550		specimen 540 etched and stained 20% Qtz, 6% mafics > 4% total feldspar 15% Kspar	1/4%	3:1	No/No	C	75,90°	B + C			4603I	10		8
550-560		"	1/4%	3:1	No/Yes	C	85,60° 50°	---	$CaCO_3$		4604I	10		6
560-570		Massive granitoid textured granodiorite . Biotite grains euhedral chloritic ground mass and greenish plagioclase. Specimen 567 etched and stained: 15% Qtz; 5% mafic 18% Kspar + 80%	1/4%	10:1	No/Yes	C	40,60	B + C	"		4605I	10		9

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

R.B. Grant

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Property JEAN	District	Hole No. DDH 75-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	To	Description	% Sulphide	cp/py	Bornite Mo.yb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
		total feldspar. Medium grained massive.												
570-580		"	1/2%	3:1	Bn/MoS_2	C	40,60	A,B,C	$CaCO_3$		4606I	10		10
		Plagioclase generally fresh. Fresh biotite appears to coexist with chloritized biotite.												
580-590			0.5%	3:1	Bn/MoS_2	C	40,60	A,B,C	"	587 moly slip @ 30°	4607I	10		10
										589-560 heavy cpy as dissem. in Kspathized section				
590-600		"	1/4%	3:1	No/MoS_2	C	60°	A+B+C		590 Shearing @ 70°. Heavy moly slips.	4608I	10		10
										593-595 Gouge zone @ 60°. Also massive pyrite on 3/8" seam				
										597 A few barren Kspar				

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

R.L. Bryant

Property	JEAN	District		Hole No.	DDH 75-1		
Commenced		Location		Tests at		Hor. Comp.	
Completed		Core Size		Corr. Dip		Vert. Comp.	
Co-ordinates				True Brg.		Logged by	
Objective				% Recov.		Date	

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet 13

Footage From	To	Description	% Sulphide	cp/py	Bornite Molyb. noted Bn/MoS_2	Magnetism A=strong B=moderate C=weak D=non	Core angle of mineralization	Control of sulphide A=hairline fracture B=qtz. vein C=dissem.	$CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
										fractures.				
600	610	"	1/10%	3:1	No/MoS_2	D	60°	C		Specimen 605 etched and stained 12% Qtz, 2% mafic, 86% total feldspar, 15% Kspar	4609I	10		10
610	620	"	1/10%	3:1	No/MoS_2	D	60°	C			4610I	10		10
620	635.33	"	1/10%	cp py	No/MoS_2	-----	60°	C		616 Fracture with red zeolite (?)	4611I	13.33		5.33
		Specimen 633 etched and stained 13% Qtz, 3% mafics, 84% total feldspar 20% Kspar. Medium grained, massive.												
END	635.33													

Scale 1"

Colour Plot & Dips

Drill Hole Record

Cominco

R.U. Bruaset

Property	JEAN	District	Omineca	Hole No.	DDH 75-2
Commenced	Setting up July 28, 29	Location	B-Zone	Tests at	Not tested
Completed	August 4th	Core Size	BQ	Corr. Dip	---
Co-ordinates	3 + 03N, 48 + 03W plot relative to 1 + 00N, 48 + 00W			True Brg.	---
Objective	Testing IP response			% Recov.	95%

Hor. Comp. ---
Vert. Comp. 400
Logged by R. U. Bruaset
Date July 30-August 4/75

Claim	T Brg.	Collar Dip	Elev.	Length	Sheet	Hole No.
JW 119	---	-90°	3540	400	1	75-2

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molybdenite present or absent	Magnetism A=strong B=moderate C=weak D=non	Core angles of mineralization	Control of sulphides A=hairline fractures B=qtz veins C=dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
42-50		Fine grained to aphanitic dark greenish grey volcanic rock with occasional lighter grey sections. Fairly pervasive secondary biotite development in the darker varieties and probable silicification of the lighter varieties. Rare augite phenocrysts considered to be volcanic flow on the basis of presence of augite phenocrysts.	0.1%	tr./0.10%	No/No	D	30°	A + C	minor $CaCO_3$ in hairline fractures usually post mineral	Extremely blocky ground	4612I	8		7

211-9437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property Jean | District | Hole No. DDH 75-2

Commenced | Location | Tests at | Hor. Comp.

Completed | Core Size | Corr. Dip | Vert. Comp.

Co-ordinates | True Brg. | Logged by

Objective | % Recov. | Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 2

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molybdenite present or absent	Magnetism A=strong B=moderate C=weak D=non	Core angles of mineralization	Control of sulphides A=hairline fractures B=qtz veins C=dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
50-60		as above	0.1%	minor/0.1	No/No	D	20°	A	"		4613I	10		5
60-70		as above	0.1%	cp<cpy	No/No	D	--	A	"	64-71 Fault @ 10°, 50°. Gouge + fault breccia cemented by calcite. Minor cpy + py	4614I	10		10
70-80		"	minor	cpy<cpy	No/No	D	---	A	"	63.5-65.5 brownish flow top (?) with 2 mm white feldspar crystals on purplish groundmass 40% 71 pyrite in rotated fragment in fault 79 Red zeolite (?) in hairline fracture	4615I			10

211-9457

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property Jean | District | Hole No. DDH 75-2

Commenced | Location | Tests at | Hor. Comp.

Completed | Core Size | Corr. Dip | Vert. Comp.

Co-ordinates | True Brg. | Logged by

Objective | % Recov. | Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 3

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molybdenite present or absent	Magnetism A=strong B=moderate C=weak D=non	Core angles of mineralization	Control of sulphides A=hairline fractures B=qtz veins C=dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
80	90	as above	minor	cpy<cpy	No/No	D	20°	A	"		4616I	10		5.5
90	100	As above but augite phenocrysts more common and they are altered to biotite commonly.	minor		No/No	D	20°	A	"		4617I	10		10
100	110	As above	0.1%	1:200	No/No	D	50-60°	A	"	100, 102 Earthy looking secondary mineral in fracture. Soft. Red.	4618I	10		10
110	120	as above	0.1	1:200	No/No	D	50-60°	A	"		4619I	10		8,5
120	130	"	0.1	1:200	No/No	D	50-60°	A	"		4620I	10		10
130	140	"	0.1	1:200	No/No	D	50-60°	A	"		4621I	10		10
140	150	"	1%	1:200	No/No	D (Locally A)	50-60°	A	"	144-149 Significant increase in total sulphide but almost entirely pyrite.	4622I	10		10

211-9437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property Jean | District | Hole No. DDH 75-2

Commenced | Location | Tests at | Hor. Comp.

Completed | Core Size | Corr. Dip | Vert. Comp.

Co-ordinates | True Brg. | Logged by

Objective | % Recov. | Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 4

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molyb-denite present or absent	Magnetism A=strong B=moderate C=weak D=non	Core angles of mineralization	Control of sulphides A=hairline fractures B=qtz veins C=dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
										148 Blotchy pyrite + pyrite in hairline fractures. Magnetite blotches and calcite gangue				
150-160		As above. Augite phenocrysts less common	1%	1:200	No/No	D	70-80° 20°	A + B	"	156-160 Fine grained monzonitic dyke. Grey with pinkish cast. Similar to the one at the Apple Cot showing. Dissem. pyrite. Non-magnetic 1 1/2% dissem. pyrite - no fracture controlled sulphide. Trace cpy. This may be a "mineralizer".	4623I	10		9

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property Jean | District | Hole No. DDH 75-2

Commenced | Location | Tests at | Hor. Comp.

Completed | Core Size | Corr. Dip | Vert. Comp.

Co-ordinates | True Brg. | Logged by

Objective | % Recov. | Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 5

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molyb-denite present or absent	Magnetism A= strong B= moderate C= weak D= non	Core angles of mineralization	Control of sulphides A=hairline fractures B= qtz veins C= dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
										Specimen etched and stained.				
160-170		Somewhat lighter grey aphanitic volc. rock without augite phenocrysts. Looks like a tuff but it is probably a fine grained flow as it seems to grade into the rock above. Such aphanitic rocks not intersected in 75-1.	1 1/2%	1:200	No/No	D	70-80°	A + B	"	161-162 Fault @ 60°. Gouge. Locally heavy pyrite with minor cpy. Mineralization deformed by faulting.	4624I	10		6.5
170-180		"	2%	1:200	No/No	D	70-80°	A	"		4625I	10		9
180-190		Copper grade improves a trifle	2%	1:150	No/No	D	60-70° 20°	A + C	"		4626I	10		10

211-0437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	Jean	District	Hole No. DDH 75-2
Commenced		Location	Tests at
Completed		Core Size	Corr. Dip
Co-ordinates			True Brg.
Objective			% Recov.

Hor. Comp.

Vert. Comp.

Logged by

Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 6

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molyb-denite present or absent	Magnetism A=strong B=moderate C=weak D=non	Core angles of mineralization	Control of sulphides A=hairline fractures B=qtz veins C=dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
190	200		2%	1:150	No/No	D	60-70°	A + C	"		4627I	10		10
200	210	As above except that	2%	1:150	No/No	D	60-70° (30°)	A+B+C	"		4628I	10		10
		siliceous zones in												
		the core are common.												
		Potassic alteration												
		expressed by secondary												
		biotite less												
		intense than												
		above into which it												
		grades. Frequent												
		irregular lighter												
		grey zones that are												
		harder than the adja-												
		cent rock. This section												
		seems more highly												
		mineralized												

Scale

Colour Plot & Dips

Drill Hole Record

Property: Jean | District | Hole No.: DDH 75-2

Commenced | Location | Tests at | Hor. Comp.

Completed | Core Size | Corr. Dip | Vert. Comp.

Co-ordinates | True Brg. | Logged by

Objective | % Recov. | Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 7

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molybdenite present or absent	Magnetism A=strong B=moderate C=weak D=non	Core angles of mineralization	Control of sulphides A=hairline fractures B=qtz veins C=dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
		than above												
		although the copper												
		grade is about the												
		same.												
210-220		"	2%	1:150	No/No	D	60-70°	A + C	"	216 Kspar envelope relative to pyrite from above	4629I	10		9.
220-230		"	2%	1:150	No/No	D	50-70°	A+B+C	"	225 Qtz. vein cuts pyrite seam.	4630I	10		10
230-240		"	2%	1:150	No/No	D	50-70° occas. 30°	A+B+C	"		4631I	10		10
240-250		End of above. 248-272 fine grained dyke. Light grey. Soft to knife. A few chloritized phenocrysts at top and base. Vague	1 1/2%	1:150	No/No	D	60-70° 30°	A+B+C	"		4632I	10		9.

211-0437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property Jean | District | Hole No. DDH 75-2

Commenced | Location | Tests at | Hor. Comp.

Completed | Core Size | Corr. Dip | Vert. Comp.

Co-ordinates | True Brg. | Logged by

Objective | % Recov. | Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 8

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molyb-denite present or absent	Magnetism A= strong B= moderate C= weak D= non	Core angles of mineralization	Control of sulphides A=hairline fractures B= qtz veins C= dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		outlines of feldspar crystals which are soft to knife - presumably due to argillic alteration. Disem. pyrite throughout upper unit. Core angle about 60°. Lower contact confusing due to broken core.												
250-260		"	1/4%	1:200	No/No	D	50-60°	B + C	"	251-255 Fault @ 25° core angle. Gouge.	4633I	10		10
260-270			1/4%	1:200	No/No	D	40-60° 20,80°	B + C	"		4634I	10		10
270-280		Aphanitic rock as above dyke grading	1.5%	1:200	No/No	D	40-60°	A + C	"		4635I	10		10

Scale -

Colour Plot & Dips

Drill Hole Record

Cominco

Property	Jean	District	Hole No. DDH 75-2
Commenced		Location	Tests at
Completed		Core Size	Corr. Dip
Co-ordinates			True Brg.
Objective			% Recov.

Hor. Comp.

Vert. Comp.

Logged by

Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 9

Footage From	Footage To	Description	% Total Sulphide	Cp/py	Bornite/Molybdenite present or absent	Magnetism A=strong B=moderate C=weak D=non	Core angles of mineralization	Control of sulphides A=hairline fractures B=qtz veins C=dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
		into augite bearing												
		volcanic rock as												
		above suggesting it												
		is a fine grained												
		flow rather than												
		tuff. Alteration,												
		secondary biotite												
		and silicification.												
280	290	"	1 1/2%	1:200	No/No	D	40-60	A + C	"	284 specimen of aphanitic rock with brownish secondary biotite and light streaks due to silicification (?)	4636I	10		10
290	300	as above								294.5 Augite phenocrysts	4637I	10		10

211-0437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	Jean	District	Hole No. DDH 75-2
Commenced		Location	Tests at
Completed		Core Size	Corr. Dip
Co-ordinates			True Brg.
Objective			% Recov.

Hor. Comp.

Vert. Comp.

Logged by

Date

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet 10

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molyb-denite present or absent	Magnetism A=strong B=moderate C=weak D=non	Core angles of mineralization	Control of sulphides A=hairline fractures B=qtz veins C=dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
300	310	Aphanitic as above few augite phenocrysts. Light grey in colour occasionally darker. Silicification in the lighter coloured sections; secondary biotite in the darker	1%	1:200	No/No	D	50-60°	A+B+C	"		4638I	10		10
310	320	"	1%	1:200	No/No	D	50-60°	A+B+C	"	319-320 Brecciation	4639I	10		10
320	330	As above. Augite begins to appear at 326.	1%	1:200	No/No	D	50-60° 30°	A+B+C	"	326 Brecciation and shearing @ 50° core angle. Calcite cement. Dissem. pyrite.	4640I	10		10
330	340	As above	1%	1:200	No/No	D	50-60° 20°	A+B+C	"		4641I	10		10
340	350	As above	3/4%	1:200	No/No	D	50,15°	A + C	"		4642I	10		9
350	360	As above	3/4%	1:200	No/No	D	70,20°	A + C	"		4643I	10		10

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	Jean	District	Hole No. DDH 75-2
Commenced		Location	Tests at
Completed		Core Size	Corr. Dip
Co-ordinates			True Brg.
Objective			% Recov.

Hor. Comp.

Vert. Comp.

Logged by

Date

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
						11

Footage From	To	Description	% Total Sulphide	Cp/py	Bornite/Molybdenite present or absent	Magnetism A=strong B=moderate C=weak D=non	Core angles of mineralization	Control of sulphides A=hairline fractures B=qtz veins C=dissem.	Presence of $CaCO_3$	Note	Sample No.	Length	Analysis	Recovery
		Rock Type												
360	370	As above	3/4%	1:200	No/No	D	70°	A + C	"	361 Limonitic fracture	4644I	10		10
370	380	As above	3/4%	1:200	No/No	D	80°	A + C	"		4645I	10		10
380	390	As above	3/4%	1:200	No/No	D	80,20°	A + C			4646I	10		10
390	400	As above	3/4%	1:200	No/No	D	60,70°	A+B+C		395 Silicified rock (light grey in colour) in contact with bio-titized rock (dark grey)	4647I	10		10
400	END													

211-9437

ENCLOSURES

AFFIDAVIT

COST STATEMENT

STATEMENT OF QUALIFICATIONS

DISPOSITION OF DRILL CORE

DRILL LOGS FOR HOLES 75-1, 2

MAP SHOWING CLAIMS AND LOCATION OF DDH'S 75-1, 2

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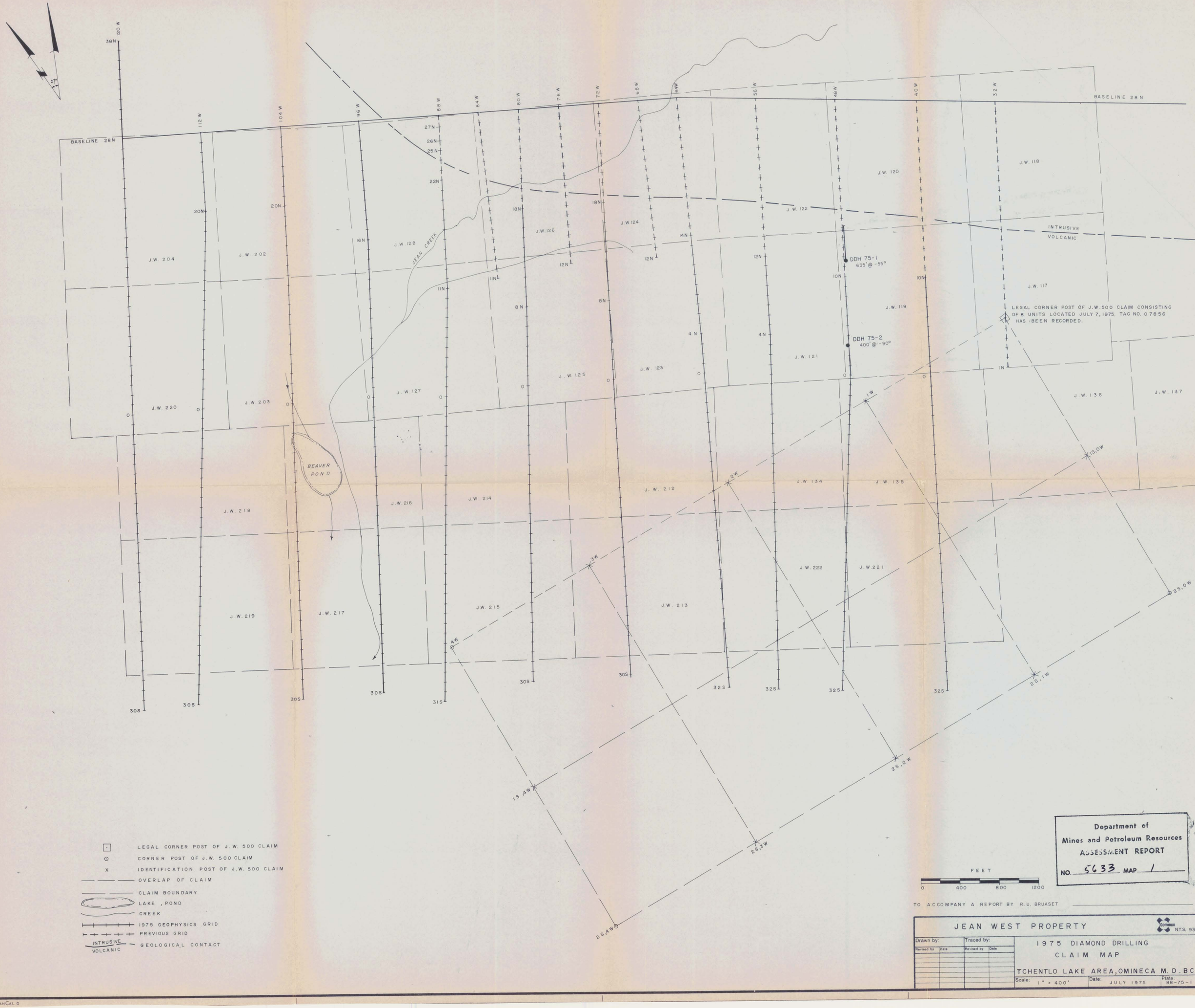
BASELINE 28N
JEAN CREEK
BEAVER POND
INTRUSIVE
VOLCANIC
DDH 75-1
635'@-55°
DDH 75-2
400'@-90°
LEGAL CORNER POST OF J.W.500 CLAIM CONSISTING OF 8 UNITS LOCATED JULY 7, 1975, TAG NO. 07856 HAS BEEN RECORDED.
J.W. 118
J.W. 120
J.W. 122
J.W. 124
J.W. 126
J.W. 128
J.W. 204
J.W. 202
J.W. 117
J.W. 119
J.W. 121
J.W. 123
J.W. 125
J.W. 127
J.W. 220
J.W. 203
J.W. 136
J.W. 137
J.W. 218
J.W. 216
J.W. 214
J.W. 212
J.W. 134
J.W. 135
J.W. 219
J.W. 217
J.W. 215
J.W. 213
J.W. 222
J.W. 221
LEGAL CORNER POST OF J.W. 500 CLAIM
CORNER POST OF J.W. 500 CLAIM
IDENTIFICATION POST OF J.W. 500 CLAIM
OVERLAP OF CLAIM
CLAIM BOUNDARY
LAKE , POND
CREEK
1975 GEOPHYSICS GRID
PREVIOUS GRID
GEOLOGICAL CONTACT
FEET
0 400 800 1200
TO ACCOMPANY A REPORT BY R.U. BRUASET
Department of Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5633 MAP 1
JEAN WEST PROPERTY
Commerce
N.T.S. 93N
Drawn by:
Traced by:
Revised by | Date
1975 DIAMOND DRILLING
CLAIM MAP
TCHENTLO LAKE AREA, OMINECA M.D. B.C.
Scale: 1" = 400'
Date: JULY 1975
Plate 88-75-1

VanCal G