

DRILL HOLES

MOUNT JASPER GRID

71_815

000



D.D.H. / J 1.
50 S. / 27.5 E
VERT. 304 FT.

- BASALT AGGLOMTE.
- GABBRO
- GREYWACKE
- METADOLERITE
- DOLERITE

- SHEARING
- CONTACT

SIMON, WOULD YOU
CHECK THIS PRELIM.
PRINT PLEASE AND
RETURN WITH NOTES
WHERE APPLICABLE

v. poor recovery - red
limonitic sand & red
rock fragments

v. weathered rock fragments

v. poor recovery
yellow & green pug

fragmented grey green
serp'd chloritic rock

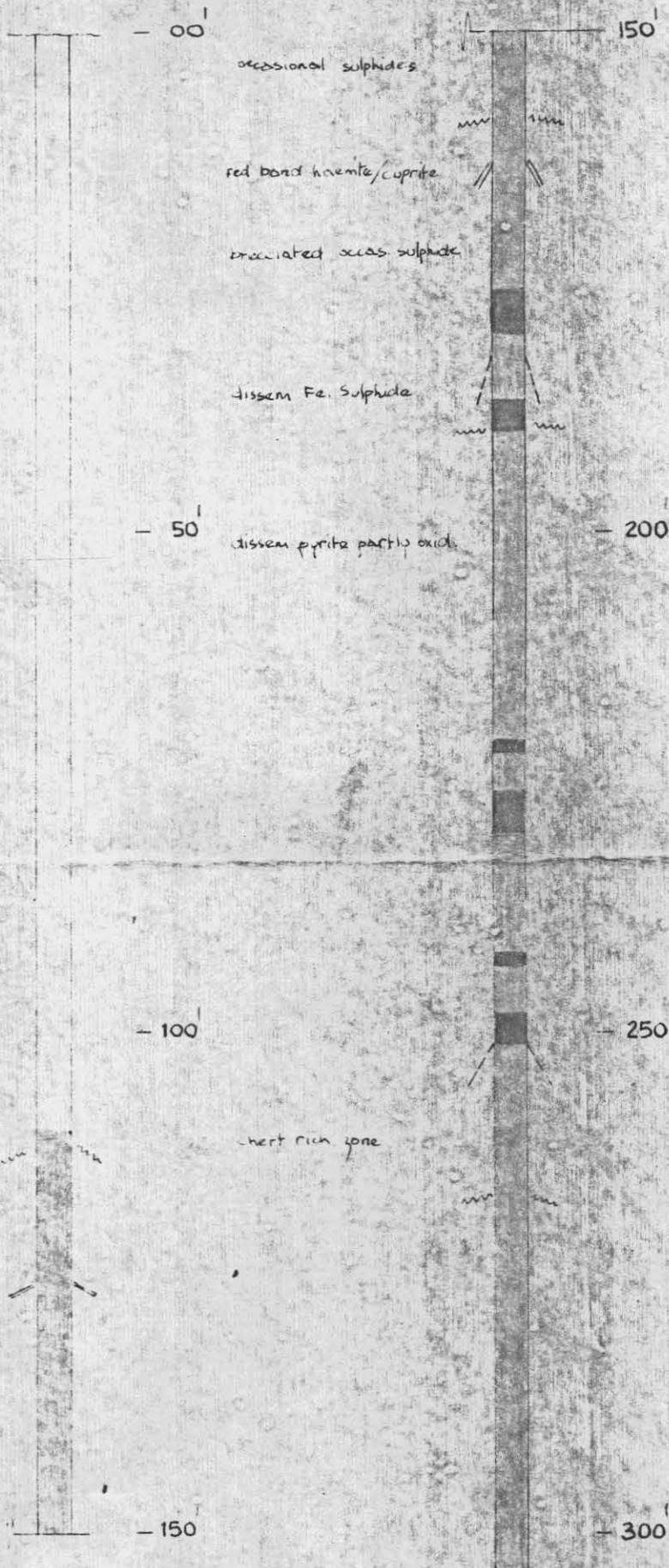
Cu oxide trace

dissem pyrite

bull gtz vein
occasional red hematite/
cuprite, euhedral octagonal
chromite

dissem sulphide occas.
euhedral chromite

some pyrite jaspiline? pebbles



FOOTAGE	Cu	Pb	Zn	Ag	Cr	Ni	V
169-170	80	3	150	x	600	400	100
170-171	60	5	120	0.1	400	350	80
171-172	40	10	120	0.1	200	300	80
172-173	60	5	150	0.1	400	350	100
173-174	80	3	100	0.1	400	350	80
174-175	100	5	40	0.1	600	400	100
175-176	80	3	100	0.1	300	500	60

ALL VALUES IN PPM. ANALYSED ALSO FOR
W, Mo, Pt, Sn, Cd, Bi, Au, Ge, As, Sb, Ba, WERE
BELOW LIMIT OF DETECTION.

COMSTAFF PROPRIETARY LIMITED

MOUNT JASPER GRID

D.D.H. / J 1

SCALE 1:200

DWN G.E.C.

TAS. 2-267

001

Depth	Interval	2cc	Description
0-96	Int 1	16' 4"	red laminar sand.
96-		7"	v. weak red rock frags
108' 6"		18"	v. weak rock frags.
108' 6" - 116'	Int 2	2"	yellow pyg
	3-6	4"	gray pyg
		3' 6"	(2) v. sh. red gray green serpentinized chloritic rock. v. fragmental. Iron only of an oxide cleared patches some pale appearance injection but
116-126'		1' 8"	(2) gray green massive sh. red more compact as if remobilized preferentially not pref. orientated. Disseminated throughout Fr. 1 3" of ^{"ball"} (cylindrical) and small frags of dark gray/green rock with disseminated sulph. too small to identify & red cuprite. Best is sh. red lighter gray green rock same as sh. red variety above. Some ^{minute} minute sulphides and occ. patches of red ^{subhedral} subhedral octagonal ^{chromite} chromite chromite.
126-131		3'	(2) Fr. 1 3" of ^{"ball"} (cylindrical) and small frags of dark gray/green rock with disseminated sulph. too small to identify & red cuprite. Best is sh. red lighter gray green rock same as sh. red variety above. Some ^{minute} minute sulphides and occ. patches of red ^{subhedral} subhedral octagonal ^{chromite} chromite chromite.
		2' 6"	appears less sh. red than previous although essentially the same. Some small octahedra. ^{healthy} healthy amount of ^{minute} minute sulphides - not pyrite - although some look like chalcopyrite.
131-135' 6"		2'	(2) Same as 130' above. Same v. disseminated ^{minute} minute sulphides.
		2' 6"	(2) as above ^{more} more , sh. red appears less glossy. sulphides with oxid. ring some octahedra? still in same rock as at beginning.
135' 6" - 141' 6"		1' 3"	(2) ditto to above however little sulphide observed.
		2' 9"	(2) Same - some thin ^{across} across veins ^{across} across core ^{chromite} chromite disseminated sulphide occ. ^{chromite} chromite subhedral chromite.
141' 6" - 143'	Int 3	18"	v. fractured occ. of veins ^{fractures} fractures than prob prob associated with fractures. Occ. fine sulph. & rare speck of cuprite?

002-

- 143-151' 6" 5' usual stuff ^{fairly shered} fairly shered taken from 147' showing
 (2) pyrite in and around ^{foreign} unassimilated pebbles
^{jasperite} jasperite. Occ ^{minute} flake of sulphide only
 No octahedra observed.
- 151' 6" - 158' 1" 3' 1' 8" 1' 8" (2) ditto to above occ sulphide only both with
 & ^{without} without oxidized ring.
 occ ^{ring} ring of ^{veining} veining.
- 158' 1" - 158' 7" 10" (2) some ^{but} with more frequent pebbles of ^{unassimilated} unassimilated
^{subief} unassimilated ^{material} material. v. few sulphide
 some stuff highly shered occ ^{semi} semi ^{oriented} oriented
 sulphides.
- 158' 7" - 158' 6" ??? 6" (2) v. shered some gang no sulphide
- 158' 6" - 160' 1" Jng 4. 6" (2) occ suberol pibble & octahedra. no sulphide
 some ^{but} ^{but} ^{definitely} fragmental in places & easier
 to see when less shered.
- 148' 9" - 156' ??? 4' 3" (2) ditto - no sulphide occ large ^{unassimilated} unassimilated
 pibble
- 156' - 161' 2' 9" (2) No sulphide or oxide generally
- 1' 5" (2) ditto with occ. large pebbles of red
 jasper and black & white ^{mottled} mottled rock No sulph.
- 4' (2) ditto with pebbles but small. v. few sulphide
 occ patchy pyrite. ^{form} form of ^{veining} veining.
- 1-166 2' 7" (2) ditto - no sulphide some ^{ring} ring of ^{veining} veining
 at end.
- 166' - 167. Jng 5 3' (2) ditto - some pebbles, some ^{ring} ring of ^{veining} veining and
 minute sulphide 1' from end red band of
 haematite/cuprite and ^{vein} vein at 30° to ^{long axis} long axis
- 167-176 5' usual except for ^{minerals} minerals 3' which is
 shagily ^{more} more brecciated? and ^{ring} ring of ^{veining} veining and
^{occasional} occasional ^{feature} sulphide. Main ^{feature} feature is
 red color of ^{mid-section} mid-section appears to be
 cuprite/haematite - ^{barren} barren either side.
- 1' 10" few sulphides & little cuprite
- 16-180 3' (3) ditto 6" rock having snowflake texture (prob gabbro)
^{axes} axes // to ^{vein} vein ^{oriented} oriented // to ^{long} long
 axes. ? of snowflake 177' has few
 small ^{jasper} jasper like pebbles of ^{obovase} obovase look
 like ^{dumite} dumite of ^{Stewart} Stewart

v. v. jasper not water-eroded.

004

COMSTAFF P/L.

Hole No. J1
 R.L. Woolo
 Incl. Vert
 Bearing

Driller A.S. James
 Geologist J. F. H.

Date. 24/9/71
 Area. Ek. 1/68

Core 2

Footage	Recovery	Loss	Log.	Assay
189'6" to 304'	100%	Nil	The dominant rock type is a sheared veined basalt agglomerate of texture schistose to somewhat equigranular, porphyritic in part - angular pebbles of chert vary from black to pale green and occasionally red. Vein material is siliceous and talc-chlorite (?) are associated with the shearing. A good deal of the matrix appears to be serpentinized.	little sulphide - mainly pyrite with occasional some fresh chalcopyrite in highly sheared material - Passings not warranted.
201'			pyrite dissemination	
221'3" to 222'3"			partly indurated graywacke? band	
226'6"			Dolomite	
230'				
237'6"			Dolomite	
238'9"				
241'8" to 242'10"			graywacke? band	
248'3" to 251'1"			graywacke band Contact 251'1" core = 31'	
259'9" to 261'			Pale grey chert rich zone	

005

COMSTAFF P/L.

Hole No. J 1
 R.L. local 0'
 Incl. Vert
 Bearing _____

Driller A. S. James
 Geologist J. F. L.

Date. 34/9/71
 Area. EL 1/68

Footage	Recovery	Loss	Log.	Assay
189' 6" to 304'			see above	
261' 6" 265' 4"			Mudstone basaltic agglomerate	
265' 4" to 286' 1"			Shaded above per main rock type in core	
266' 1" to 268'			Mudstone basaltic agglomerate	

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COMSTAFF PTY. LTD.Hole No. JARPER 2 Driller JAMES VIC.Date 25/11/71R.L. ? Geologist Area JARPERIncl. 80°Bearing 110°

Footage	Recovery	Loss	Log	Assay
0-20	NIL	100%		
20-60	8'0 approx		Shale / Basalt - grey/greenish / clastic / block. Lignite stained base.	
60-100				
100-110				
110-120				
120-130				
130-140				
140-145				
145-150				
150-160			Find lignite staining - change in lithology. Dark green / con. py. matrix shale / argill.	
160-180				
180-190				
190-220			Trace of py - discrete grains laminated / streaked shales - dip subsoil - agglomerate / phos. quite a prop. phos. clastic	
220-229				

007

813009

COMSTAFF P/L.

Hole No. _____

Driller _____

Date. _____

R.L. _____

Geologist _____

Area. _____

Incl. _____

Bearing _____

MINERALISATION

Footage	Recovery	Loss	Log.	Assay
20' - 75'			<p>Fragments only. - very poor recover</p> <p>Grey green - Tuff - Basaltic agglomerate.</p> <p>Fine grained, altered, nepheline subhedral, quartz, on fig 20-5</p> <p>Some set in, well rounded, fibrous cloudy feldspar, groundmass.</p> <p>Black, subangular, distinct plagioclase, up to 5mm size</p> <p>very vesicular up to 1-2mm.</p> <p>Some fine approx. 1-2% dark.</p> <p>Phenocrysts? up to 7mm dark grey green with very irregular margins & containing cloudy feldspar phenocrysts up to 2mm. occure irregularly.</p>	<p>Limonite Chalcate met. trace in place in place Trace of secondary red like ore. ore test S' 1/2?</p>
75' - 95'			<p>Feldspar less weathered grey to green - fine groundmass - subhedral.</p> <p>Plagioclase - fractured poor recover.</p> <p>Plagioclase less evident</p> <p>Some 3-4 1-2% E. vein grey white fuge only</p>	<p>Limonite siliceous ore in place.</p> <p>→ limonite coating - in places - probably red.</p>
95' - 97'			<p>Fragmented - fractured zone with limonite in places set along from 11' to CIA</p>	
97' - 115'			<p>As the same - basalt / feldspar in place</p> <p>Some plagioclase - feldspar groundmass - some groundmass - old - some plagioclase - a bed of - old - feldspar</p>	<p>Limonite coating to place - dark brown</p>

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813010

COMSTAFF P/L.

Hole No. _____ Driller _____ Date. _____
 R.L. _____ Geologist _____ Area. _____
 Incl. _____
 Bearing _____

<u>Footage</u>	<u>Recovery</u>	<u>Loss</u>	<u>Log.</u>	<u>Assay</u>
15-120			Massive v. sandy / chert 1-2' gray thin p.s. Fragments aly. - quartz int. siliceous / calc. dol. / breath.	spid. chert limonite a. piece
120-128			1' calc. dol. / breccia or above still very fractured.	
128-128.6			Breccia / clay zone Chert 2.5' with breccia above.	Limonite

009

COMSTAFF PTY. LTD.

RECOVERY SHEET

Hole No. JAS 2 Driller JAMES Date _____
 R.L. _____? Geologist QNY Area _____
 Incl. 90°
 Bearing _____? Recovery only.

Footage	Recovery	Loss	Log	Assay
0-20's	NIL	100%		0.2
20' - 60'	12'	28'		0.2
60' - 100'	14'	26'		0.2
100 - 110	10 1/2'	NIL		
110 - 120	6'	4'		
120 - 130	3'	7'		
130 - 140	6'	4'		
140 - 145	2'	3'		
145 - 150	2.5'	2.5'		
150 - 160	3'	2'		
160 - 180	9'	11'		
180 - 190	7'	3'		
190 - 200	6 1/2'	3.5'		
200 - 210	6.75'	3.25'		
210 - 220	9'	1'		
220 - 229	7'	2'		
GENERAL LOG.				
20 - 145 approx.			Grey green fine grained - alloctonous cherted Tuff - agglomerate? Meladolite. Basalt. Black - green chert phoscherts. Sub-jute + resorbed & green? or ves. amygdalae	Trace ore at top of 145.
145 - 229			Sheared & fractured dark green. Possible aggl. thru chert up to 10m.	discrete pink grains. becomble

010

COMSTAFF PTY. LTD.

Hole No. _____

Driller _____

Date _____

R.L. _____

Geologist _____

Area _____

Incl. _____

Bearing _____

M.A.S.

Footage	Recovery	Loss	Log	Assay
20-60 approx.			Highly fragmented, ^{weathered} ore - chips only rusty brown (limonite) green - meta dolomite 30' Main grey white translucent vein quartz fragments 60' Meta dolomite - grey blue-green to dark grey blue green. interposed with more heavily limonite stained & weathered zones Basically fine grained micro sub ophytic texture - irregularly porphyritic - has small coarse only (2-3mm) rock consist predominantly mainly of old aggr and unfr. aggregates. 2-5mm diam. fine residual quartz phenocrysts and clusters of brown - pale green - yellowish fibrous epidote? Alteration - generally is oxidized and chloritized	silica chocolate brown limonite coating to fracture surface brown - powder reddish orange coating teleore ensole
		70' ↓ 100'	Grey translucent quartz frags. intermittent occurrence of quartz veins associated with epidote - magnetite Intersections generally more oxidized	epidote sp + mag?
		95' approx	1" breccia zone in gw. E.H. 15"	
100-115.			Grey green oxidized meta dol. as above. Less fragmentary	ditto limonite stain
115-120 approx.		? 10	Highly silicified zone - grey to black quartz/chert plus epidote Evidence of grey green pyrite possible fault zone - oxidized	epidote - rusty colored limonite
120-125.			Grey green meta dol. - frags. mainly	
125-126 approx.		20	Brecciated - meta dol. white translucent chert frags 2-5mm or dol frags Heavy silica film - low content	Heavy limonite staining.

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813013

COMSTAFF PTY.LTD.

Hole No. _____
 R.L. _____
 Incl. _____
 Bearing _____

Driller _____
 Geologist _____

Date _____
 Area _____

Footage	Recovery	Loss	Log	Assay
126'-142'			Grey green - blue interbedded less oxidized Increasingly sandy in last section fracturing and some pits	Choc. hematite in fractures only.
142'-152'			Buff color. friable. fine sand + abundant tubular structure Frings only - mainly Transition into dark green sheared. see basic agglom.	
152'-160'			Buff to greenish agglom. END OXIDIZED ZONE	Granite
160'-189'6"			Green basic agglom. containing black vein fine grained phase - chests up to 7-10 cm - residual chert - but soft although harder than matrix Occasional pits + haemite scleroses Black minute octahedra - octahedral lustre rare? on shear planes CIA 50°	
182'6"			1/2" band of Greywacke	179' 2" zone haematite staining
184'6"-189'7"			1" band of Greywacke CIA 25°?	
189'7"-191'			Agglom. as above.	
191'-191'3"			Sheared / base quartz vein? quartzite	
191'3"			Basalt Agglom. as above. becoming increasingly sheared + oxidized	
		At 192'	Substantially at CIA 50°	
		At 198' 199'	Minor pur zones approx 1" thick	
		At 199'- 201'	Basalt Agglom. becoming increasingly sheared	Trace of epi. m. Choc. phase + haematite

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COMSTAFF PTY. LTD.

Hole No. _____

Driller _____

Date _____

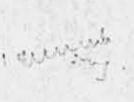
R.L. _____

Geologist _____

Area _____

Incl. _____

Bearing _____

Footage	Recovery	Loss	Log	Assay
201-203.			Dark finely sheared puggy zone - brecciated fragments of white vein quartz + agglom. set in pale green peg.	Kaomilita
203-210'			Sheared Basaltic agglom.	
210-210's			3" ? Puggy zone.	
210's-212'6			Sheared Serp. Basaltic Agglom.	
212'6-212'9			3" band of Pyroxenite ? CIA 55°	
212'9-217'0			Sheared Serp. Basaltic Agglom.	Kaomilita
217-217's			Pale green clayey peg.	
217's-219'			Pyroxenite ? Harbilitate ? Dark green pheno-cryst rich ultrabasic pyroxene ? Phenocrysts of harbilitate ? Idiosyncratic Dark green texture, generally ball-like phenocryst upto 5mm in length, generally about 3mm. Fine approx 30% of rock set in fine grained dark green matrix.	Detto.
219-229'			Sheared Serp. Basaltic Agglom. Peg. Crk. bed 228'-228'6. END HOLE.	

813015

JASPER D&HS2

COST BREAK DOWN:

12
54
35

162.
27.0

189.0

Case 0 - 64

Change 10 - 64 = 54. at 3.50/ft.
= \$189.00

Move between holes 50.00

Cementing 18 hrs 7.00/hr = 126.00

N&WL 0 - 229. at 10.50 /ft.

= 2404.50

Surveying ——— unable to perform.

Balance of drilling. ——— abandoned.
Set 4/12/71.

New dabbie tried for one week to
get back down hole - 4' length of
NX casing adrift at approx 120'
unable to continue drilling.

5
18
126

294
229
10.5

2290.

114.5

2404.5

2404.50

189.00

50.00

126.00

\$2,769.50
