

COMINCO LTD.

EXPLORATION

NTS: 92L/14E

WESTERN DISTRICT

ASSESSMENT REPORT

DIAMOND DRILLING

BONANZA MINERAL CLAIM

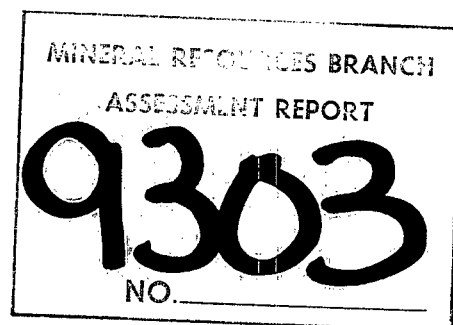
VANCOUVER MINING DIVISION, B.C.

DRURY INLET AREA

LATITUDE: 50°58'N

LONGITUDE: 127°07'W

WORK PERFORMED: May 1 to 20, 1981



4 JUNE 1981

W.E. WILEY

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Appendix "A"	- Statement of Expenditures
Appendix "B"	- Statement of Qualifications
Location Map	- Scale 1:50,000
Drill Hole Location Map	- Scale 1: 2,000
Drill Logs	- MB 81-1 to MB 81-7

ASSESSMENT REPORT

DIAMOND DRILLING

BONANZA MINERAL CLAIM

VANCOUVER MINING DIVISION, B.C.

DRURY INLET AREA

LOCATION AND ACCESS

The Major-Bonanza property is located between Acteon Sound of Drury Inlet and Lee Lake. It is approximately 23 air miles NE of Port Hardy. Access for all work was by helicopter from Port Hardy.

TOPOGRAPHY

The Major-Bonanza property has steep south and north facing slopes rising from sea level to an elevation of approximately 370m in the vicinity of the drilling. Mt. Bullock, a major peak of the area, lies on the property and has an elevation of 624m.

PROPERTY DEFINITION

The Major Bonanza property consist of the following claims:

<u>Claim Name</u>	<u>Units</u>	<u>Location Date</u>
Bonanza	1	November 9, 1979
Foundit	1	May 24, 1980
Ruby	1	May 25, 1980
Agate	1	May 25, 1980
Opal	1	May 25, 1980
Drury 1	15	July 22, 1980
Drury 2	15	July 22, 1980

HISTORY

The property was known as the Atkins Group (6 claims) around 1945. Work at that time consisted of exposing the vein by minor trenching.

One claim, the Bonanza was restaked by Jerry Major in 1979 and the old trenches were reopened by J. Major. Lloyd Juhala staked 4 claims in 1980. Additional ground was added later in 1980 after the property was optioned to Cominco.

Cominco conducted a sampling program of the trenches in November 1980 followed by diamond drilling in May of 1981.

SUMMARY OF WORK DONE

Surface sampling followed by 494.7m of BQ diamond drilling in 7 holes during May 1981.

GEOLOGY

The Major Bonanza claims lie in a NW-SE trending belt of greenstone, amphibolite, chert, argillite, schist and hornfels of undetermined age. The belt is shown on Open File Map #722 compiled by J.A. Roddick (1980) as being 24km long and varying between 1.5 to 4km wide.

The gold mineralization is associated with quartz veins concordant or semiconcordant to enclosing argillite. The argillite varies from 100m to 20m wide, striking N70°W and dipping north at 65 to 85°. The argillite is bounded to the south by intermediate volcanic rocks, mainly tuffs, and to the north by mafic to intermediate metavolcanic rocks mainly a medium grained amphibolite.

Trench sampling along a 280m strike length indicated an average thickness of 1.55m with an average grade of 0.109 oz. Au.

PURPOSE OF THE DRILL PROGRAM

Seven holes were drilled during May 1981. Their purpose was to test the continuation of the quartz with depth along the sampled strike length as well as the gold content.

INTERPRETATION OF THE 1981 RESULTS

The drilling intersected the quartz zone in all holes indicating a depth below surface of up to 55m. Except for one intersection of 0.11 oz. Au over .3m of core in Hole MB 81-1 the zone was essentially barren.

ATTACHMENTS

- (a) Appendix "A" - Statement of Expenditures
- (b) Appendix "B" - Statement of Qualifications
- (c) Location Map - Scale 1:50,000
- (d) Drill Hole Location Map - Scale 1:2,000
- (e) Drill Logs - MB 81-1 to MB 81-7

Report by: W.E. Wiley
W.E. Wiley
Project Geologist

Endorsed by: G.J. Ryznar
G.J. Ryznar
Senior Geologist

Approved for
Release by: G. Harden for
G. Harden
Manager, Exploration
Western District

WEW/skg

Distribution

Mining Recorder (2)
Western District (1)
WEW/GJR (2)

APPENDIX "A"

STATEMENT OF EXPENDITURES

Diamond Drilling Program on Bonanza Mineral Claims

Vancouver Mining Division, B.C.

Latitude: 50°58'N

Longitude: 127°07'W

Dates of Work: This statement covers diamond drilling carried out on the Bonanza claims between May 1 and May 20, 1981

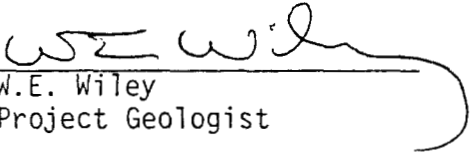
1. Communications	- Radio rental and phone	\$ 700 ✓
2. Mobilization/Demobilization	- Helicopter & Barging	19,000 ✓
3. Staff time:	W.E.Wiley 50 days between Mar.1 & June 15 @ 200	10,000
	G.J. Ryznar 4 days @ 250 (Supervision)	1,000
4. Geology Supplies	- contour map and field equipment	2,200 ✓
5. Diamond Drilling	- Contract - Longyear Canada Inc.(494.7m)	70,600 ✓
	Site Clearing	3,000 ✓
	Helicopter moves	3,500 ✓
	Assays - 120 @ \$15	1,800 ✓
6. Transportation	- Miscellaneous helicopter for supplies	5,500 ✓
	Freight	400 ✓
7. Camp	- Equipment and Supplies	2,000 ✓
	Clearing Site	700 ✓
		<hr/>
	TOTAL PROJECT COST:	<u>\$120,400</u>

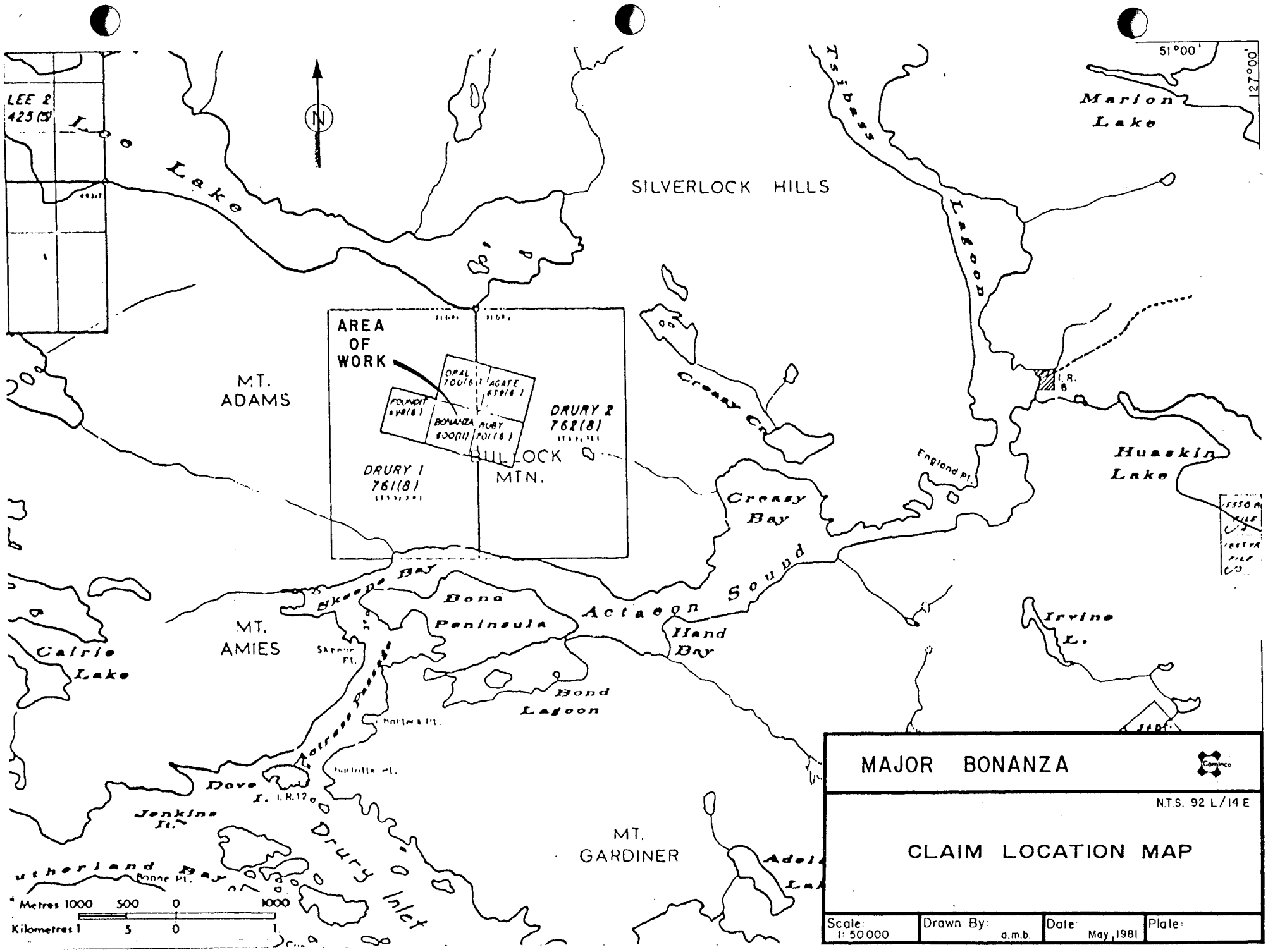
APPENDIX "B"

STATEMENT OF QUALIFICATIONS

I, WILLIAM ELDEN WILEY, hereby declare that I was graduated from the University of Western Ontario with an Honours B.Sc. in geology during 1961 and further received an M.Sc. in geology from the University of Saskatchewan during 1970. Since graduation, I have been employed by Hudson Bay Mining and Smelting from 1961 to 1964 and with Cominco Ltd. since 1964. During the period of employment I have been engaged in many aspects of exploration and mine geology.

Dated this 12th day of June 1981
at Vancouver, British Columbia.

Signed: 
W.E. Wiley
Project Geologist



LEE 2
425(8)

Marlon
Lake

SILVERLOCK HILLS

M.T.
ADAMS

AREA
OF
WORK

OPAL
700(6)

AGATE
(8316)

BONANZA
(8000)

RUBY
(701(6))

DRURY 2
762(8)

DRURY 1
761(8)

SILVERLOCK
MTN.

Huaskin
Lake

M.T.
AMIES

Carrie
Lake

Actaon
Hand
Bay


Irvine
L.

Bond
Peninsula

Bond
Lagoon

Jenkins
I.

M.T.
GARDINER

MAJOR BONANZA			
NTS. 92 L/14 E			
CLAIM LOCATION MAP			
Scale: 1: 50 000	Drawn By: a.m.b.	Date: May, 1981	Plate:

Metres 1000 500 0 1000
Kilometres 1 5 0 1

Scale

Colour Plot
& Dips

Drill Hole Record



Property Major Bonanza (Drury Inlet) District Vancouver Hole No. MB81-1
 Commenced May 1, 1981 Location HW side of trench 1 Tests at 100' & 200' did not take Hor. Comp.
 Completed May 3, 1981 Core Size BQ Corr. Dip -45° at collar Vert. Comp.
 Co-ordinates on grid O+40N, O+10W True Brg. S23⁰W Logged by WEW
 Objective % Recov. Excellent Date May 4, 1981

Core Stored at Drill Site #1

meters		Description	Sample No.	Length	Analysis
From	To				
0	2.1	Casing (0-1.2 overburden; 1.2 to 2.1 busted rock)			
2.1	25.4	Amphibolite - fine to medium grained (generally medium), massive, 2 cm wide quartz stringers cutting core at 80° . Minor scattered pyrrhotite, pyrite and chalcopyrite. Whisps of pyrrhotite parallel to core at 22.7 - 23.1. Signs of leaching to 18.7 (usually associated with quartz. Thin shear cuts core at 30° at 5.8 and 8.3 m (with quartz and bleached). Quartz filled amygdules 24.9 to 25.0.			
		Petro. sample @ 14.6 also 22.7-23.0	26368	0.3	<.003
25.4	33.4	Argillite - black, fine grained, fine bedded, minor contorting. Bands of brownish coloured chert or tuff sometimes with minute quartz filled amygdules (bands vary from 2 cm to 20 cm). Pyrite and pyrrhotite as whisps along bedding. Sulfide content increases to 0.5% or 1% after 29.5 m. Chert (tuff) bands decrease with depth.			
		Core = 60° to 80°			
		Petro. sample of argillite and chert @ 27.2 - 27.3			
			26369	0.5	<.003
			26370	0.8	<.003
33.4	35.0	Grey quartz - with scattered sulfides of pyrrhotite, pyrite, galena and sphalerite (in decreasing order). Quartz is almost barren below 34.4 m.			

Claim Bonanza

T Brg. S23⁰WCollar Dip -45° Elev. \approx 367 m

Length 61.6 m

Hole No. MB81-1

Sheet 1 of 3

211-9437

WEW

111

Scale

Colour Plot
& Dips

Drill Hole Record



Property	Major Bonanza	District	NanaImo	Hole No.	MB81-1
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Depth in metres		Description	Sample No.	Length	Analysis				Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. MB81-1	Sheet 2 of 3
From	To				As %										
33.4	35.0		26371	0.3	0.11										
		Also Petro. Sample	26372	0.4	<.003										
			26373	0.3	<.003										
			26374	0.6	<.003										
35.0	36.7	Volcanic Sill - greyish green with dark intrusions also magenta coloured inclusions.													
		Petro sample 35.1 - 35.2	26375	0.7	<.003										
			26376	1.0	<.003										
36.7	39.0	Quartz - white, barren from 36.7 to 38.4 - grey with argillite and sulfides 38.4 to 39.0 including 5 cm of near solid pyrrhotite at end.													
			26377	1.7	<.003										
			26378	0.6	0.018										
39.0	39.8	Volcanic Sill as between 35.0 to 36.7, contact @ 65°.	26379	0.8	0.003										
39.8	39.9	Grey quartz with 30% sulfides (pyrrhotite, pyrite, galena, sphalerite).													
			26380	0.1	0.066										
39.9	61.6	Argillite, black, fine bedded, broken up to 45.1, milky quartz stringers to 43.3, graphitic,													

Scale

Colour Print
& Olog

Drill Hole Record



Property	Major Bonanza	District	Nanaimo	Hole No.	MB81-1
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.
MB81-1
Sheet
3 of 3

XXXXX meters		Description	Sample No.	Length	Analysis				
From	To				As %/m				
39.9	61.6	scattered minor pyrrhotite and pyrite decreasing toward base. Bedding more contorted than hanging wall argillite (highly contorted 48.0 to 49.0). Thin chert beds not as prevalent as in hanging wall.							
		Core angle 70° @ 45.0, 75° @ 50 m and @ 61.5 m.							
		Petro.sample - 54.7 - 54.9 (check for graded bedding) (appears to fine upwards)							
			39.9 - 40.2	26381	0.3	<.003			
			40.2 - 41.8	26382	0.6	<.003			
			54.3 - 54.4	26383	0.1	<.003			
		END OF HOLE							

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Scale

Colour Plot
& Dips

Drill Hole Record



Property Major Bonanza (Drury Inlet) District Vancouver Hole No. MB81-2
 Commenced May 3, 1981 Location HW side of trench 1 Tests at No acid Hor. Comp.
 Completed May 5, 1981 Core Size BQ Corr. Dip -70° Vert. Comp.
 Co-ordinates Grid 0+40N, 0+10W True Brg. S23⁰W Logged by WEW
 Objective % Recov. excellent Date May 5, 1981

Core stored at drill site #1

metres		Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
From	To											
0	2.4	Casing				Bonanza	S 23° W	-70°	367 m	90.5	MB81-2	1 of 3
2.4	35.9	Amphibolite - dark green, medium grained, massive, occasional quartz stringers and narrow bands @ 90 ⁰ to 45 ⁰ to core. Quartz often with pyrrhotite and pyrite and specks of chalcopyrite, some bleaching.										
		checks for Au	11.9 - 12.1	26384	0.2	<.003						
		content	29.1 - 29.6	26385	0.5	<.003						
35.9	45.3	Argillite, black, fine bedded, some contorting, brown cherty layers (1/8" to 2"). Occasional quartz stringers and bands often with pyrrhotite and pyrite and specs of chalcopyrite. Core angle 65 ⁰										
45.3	45.5	Volcanic Sill greenish-grey massive with shards	45.3 - 45.5	26386	0.2	<.003						
45.5	49.3	Argillite and quartz (about 40% quartz). Contorted and shattered look, minor pyrrhotite and pyrite.	45.5 - 46.3	26387	0.8	<.003						
			46.3 - 47.2	26388	0.9	0.017						
			47.2 - 47.8	26389	0.6	<.003						
			47.8 - 48.5	26390	0.7	<.003						
			48.5 - 49.3	26391	0.8	<.003						
49.3	50.2	Volcanic Sill, grey-green, quartz stringers at all angles, upper contact at 30 ⁰ . Very slight pyrrhotite.	49.3 - 50.2	26392	0.9	0.003						

211-0437

WEW

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Scale

Colour Plot
& Dip

Drill Hole Record



Property	Major Bonanza	District	Hole No.	MB81-2
Commenced	Location	Tests at	Hor. Comp.	
Completed	Core Size	Corr. Dip	Vert. Comp.	
Co-ordinates		True Brg.	Logged by	
Objective		% Recov.	Date	

Depth meters		Description	Sample No.	Length	Analysis				
From	To				AC	g/g	g/m		
50.2	50.7	Quartz with argillite, minor phrrhotite	26393	0.5	<.003				
50.7	52.8	Volcanic Sill as between 49.3 - 50.2 (upper contact @30°)	26394	0.8	0.003				
		51.5 - 52.4	26395	0.9	<.003				
		52.4 - 52.8	26396	0.4	<.003				
52.8	53.2	Quartz grey, shattered, with whisps of argillaceous material around quartz fragments.	26397	0.4	0.003				
53.2	55.1	Volcanic Sill as before, lower contact brecciated	26398	0.7	<.003				
		53.9 - 55.1	26399	0.2	<.003				
55.1	57.0	Argillite, minor scattered pyrite, a few whisps and stringers of quartz. Core \angle 60°.	26400	0.9	0.003				
		55.1 - 56.0	26401	1.0	0.003				
		56.0 - 57.0							
57.0	57.7	Fault zone: crushed argillite, cored good. Lower contact about 30°. Slickensides suggest lateral movement.	26402	0.7	0.01				
57.7	90.5	Argillite - black, some lighter coloured beds, minor pyrrhotite, pyrite on fractures and with quartz blebs. Progressively more contorted after 60.0 m. Cherty blebs or blobs.	26403	0.5	<.003				
		57.7 - 58.2							

Claim

T Brg.

S23°W

Collar Dip

-70°

Elev.

Length

90.5 m

Hole No.

MB81-2

Sheet

2 of 3

Scale

Colour Plot
& Dips

Drill Hole Record



Property	MAJOR BONANZA(Drury Inlet) District	Vancouver	Hole No.	MB 81-3		
Commenced	May 6/81	Location	Site 2	Tests at	Hor. Comp.	
Completed	May 8/81	Core Size	BQ	Corr. Dip	-45°	Vert. Comp.
Co-ordinates	Grid 0+31N, 1+27W		True Brg.	S23°W	Logged by	W.E. Wiley
Objective			% Recov.		Date	May 8/81

Core stored at drill site #2

METERAGE		Description	Sample No.	Length	Analysis
From	To				
0	3.3	Casing. Overburden 0 - 0.6m then broken rock			
3.3	17.2	Greenstone with minor argillite. Greenstone is massive fine grained to flow volcanics. Variably chloritized. Occasional pyrrhotite in volcanics with quartz stringers. Argillite Layers at 4.7 to 4.9, 7.95 to 7.97, 15.5 - 16.2 (contorted bedding)			
		Core angle at 15m = 57°	pyrr. in 1/8" qtz stringers 11.3 - 11.8	26404	0.5
			pyrr. in 4" qtz layer 13.8 - 14.2	26405	0.4
17.2	28.4	Amphibolite - massive, medium grained, long fracture parallel to core 17.2 - 18.9 with leaching. Occasional quartz stringer near parallel to core. Minor pyrrhotite especially at 27.1 to 27.7			
			27.1 - 27.7	26406	0.6
28.4	28.9	Argillite, black, fine bedded, pyrrhotite along bedding. Quartz in stringers & along fractures. Core angle = 70°			
			28.4 - 28.9	26407	0.5
28.9	29.9	Greenstone, felsic flow volcanics grading to argillite after 0.3 m			
29.9	31.9	Amphibolite - massive, medium grained. Well mineralized with pyrrhotite over 3.0 cm at lower contact.			

Claim Bonanza

T Brg. S 23°W

Collar Dip -45°

Elev. 372m

Length 75.0m

Hole No. MB 81-3

Sheet 1

Analysis

Ag 0.3/1m

All less than 0.003

211-8437

W.E. Wiley

111

Scale

Colour Plot
& Dips

Drill Hole Record



Property	MAJOR BONANZA	District	Vancouver	Hole No.	MB 81-3
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
					MB 81-3	2

METERAGE		Description	Sample No.	Length	Analysis	
From	To					
31.9	35.6	Argillite, thin quartz beds \approx .2cm, minor pyrite and pyrrhotite along bedding.				
			35.1 - 35.6	26408	0.5	
35.6	37.3	Quartz and Argillite. Quartz is highly fractured with argillaceous material around quartz fragments. Only minor pyrrhotite. Secondary quartz stringer present.				
			35.6 - 36.4	26409	0.8	
			36.4 - 37.3	26410	0.9	
37.3	40.0	Argillite				
			37.3 - 38.0	26411	0.7	
		Core angle 56°	38.0 - 38.7	26412	0.7	
			38.7 - 39.2	26413	0.5	
			39.2 - 40.0	26414	0.8	
40.0	41.0	Volcanic Sill, massive, with shards, minor pyrrhotite. Contact at 80° .				
			40.0 - 41.0	26415	1.0	
41.0	56.8	Argillite with occasional cherty layer, graphitic, slightly mineralized with pyrrhotite in bedding planes.				
		Core badly broken 44.9 to 51.3 (lost 1.4 m)				
		Quite a few secondary quartz stringers. Pyrite along fractures				
		Chloritic tuff layer 55.1 to 55.3				
			41.0 - 41.8	26416	0.8	
			41.8 - 43.3	26417	1.5	

Scale

Colour Plot
& Dips

Drill Hole Record



Property MAJOR BONANZA District Vancouver Hole No. MB 81-3

Commenced Location Tests at Hor. Comp.

Completed Core Size Corr. Dip Vert. Comp.

Co-ordinates True Brg. Logged by

Objective % Recov. Date

METERAGE		Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
From	To											
			26419	0.2	AV 93/100 K.003						MB 81-3	3
49.4	49.6											
56.8	59.3	Fault Zone:crushed argillite and quartz										
59.3	75.0	Argillite. Competent, fine bedded rock to 70.0. No quartz stringers to speak of. After 70.0 badly broken, rust along fractures. Core angle at 67'=75°.										
		END OF HOLE										

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Scale

Colour Plot
& Dips

Drill Hole Record



Property MAJOR BONANZA (Drury Inlet) District Vancouver Hole No. MB 81-4
 Commenced May 8/81 Location Site 2 Tests at 100' $N_{70}^{\circ}W$ 200' $=70^{\circ}$ Hor. Comp.
 Completed May 12/81 Core Size BQ Corr. Dip -70° Vert. Comp.
 Co-ordinates 0+31N 1+27W True Brg. $523^{\circ}W$ Logged by W.E. Wiley
 Objective Test surface trenching % Recov. Date May 12/81

Core stored at drill Site #2

METERAGE		Description	Sample No.	Length	Analysis			
From	To				As	g	wt	
0	1.2	Casing						
1.2	6.9	Greasy core - Greenstone, sheared and flows, chloritic, very few quartz stringers, very slight pyrite. Argillite from 6.6 to 6.9.						
		Core angle at 6.7' = 43°						
6.9	12.0	Amphibolite, massive, medium grained, but occasional thin shearing bands, leached at 10.4 m						
12.0	14.8	Greenstone, fine grained, banded with thin siliceous layers, biotite along slips. Minor pyrite, pyrrhotite, chalcopyrite.						
		Core angle at 13.2m = 52°						
14.8	21.0	Amphibolite, fairly massive, slightly sheared. Quartz veins at 10cm from 18.9 to 19.4m with 2.0 cm of pyrrhotite at 19.18m						
			18.9 - 19.4	26420	0.5	<.003		
21.0	23.6	Argillite - black, contorted bedding, chloritic & biotitic bands at start and end (10 cm). Very slight pyrite and pyrrhotite.						

Claim Bonanza

T Brg. $S 23^{\circ} W$ Collar Dip -70°

Elev. = 372m

Length 69.5m

Hole No. MB 81-4 Sheet 1

211-9437

W.E. Wiley

111

Scale

Colour Plot
& Dips

Drill Hole Record



Property	MAJOR BONANZA	District	Vancouver	Hole No.	MB 81-4
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

METERAGE		Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
From	To											
23.6	28.5	Greenstone, chloritic with biotitic layers. Occasional very thin 0.5 mm argillaceous layers. A section from 27.2 to 27.6 m with mostly quartzitic bands alternating with biotite bands.										
28.5	31.1	Quartzite and biotite. Layers of quartzite with thin argillaceous layers. Addition of chlorite after 29.9.										
31.1	36.0	Amphibolite, fairly massive, some argillite towards base, slightly mineralized with pyrite and pyrrhotite.										
			34.1 - 34.9	26421	0.8	<.003						
			34.9 - 35.7	26422	0.8	<.003						
			35.7 - 36.0	26423	0.3	<.003						
36.0	55.3	Argillite with an amphibolite band 39.2 to 40.0. Minor pyrrhotite and pyrite in bedding as cubes from 54.0.										
		Core angle at 38.0=31°, 45.2=52°, 50.4=69°.										
		Quartz bands parallel to bedding with quartz stringers running to and from.										
		Graphitic in places. Crystalline material with a few small red granets enclosed by quartz at 38.9m										
			36.0 - 36.9	26424	0.9	<.003						
			36.9 - 37.2	26425	0.3	<.003						
			37.2 - 38.0	26426	0.8	<.003						

Scale

Colour Plot
& Dips

Drill Hole Record



Property	MAJOR BONANZA	District	Vancouver	Hole No.	MB 81-4
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

MEIERAGE		Description	Sample No.	Length	Analysis Au g/tm	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. MB 81-4	Sheet 3
From	To											
				53.8 - 54.3	26427	0.5	<.003					
				54.3 - 54.8	26428	0.5	<.003					
				54.8 - 55.3	26429	0.5	<.003					
55.3 - 56.1		Argillite with quartz =40% quartz, minor sphalerite		55.3 - 56.1	26430	0.8	0.005					
56.1 - 56.8		Volcanic Sill - massive, grey-green, with minor pyrrhotite and dark shards Lower contact at =47° looks intrusive with quartz beds in argillite cut off		56.1 - 56.8	26431	0.7	<.003					
56.8 - 59.5		Argillite with quartz stringers which include pyrrhotite		56.8 - 57.2	26432	0.4	<.003					
				57.2 - 57.7	26433	0.5	0.003					
				57.7 - 58.5	26434	0.8	0.03					
				58.5 - 59.5	26435	1.0	0.003					
59.5 - 59.8		Quartz with a 2.0 cm argillite band with minor sulfides		59.5 - 59.8	26436	0.3	<.003					
59.8 - 60.5		Volcanic Sill with quartz stringers		59.8 - 60.5	26437	0.7	<.003					
60.5 - 60.6		Quartz		60.5 - 60.6	26438	0.1	0.003					
60.6 - 63.0		Argillite thin bedded, black, quartz stringers		60.6 - 61.6	26439	1.0	<.003					

211-9437

Scale

Colour Plot
& Dip

Drill Hole Record



Property	MAJOR BONANZA(Drury Inlet)	District	Vancouver	Hole No.	MB 81-5
Commenced	May 13/81	Locallon	Site 3	Tests at	100'=53° 200'=60° poor Hor. Comp.
Completed	May 15/81	Core Size	BQ	Corr. Dip	-45° collar Vert. Comp.
Co-ordinates	Grid 0+24N 2+19.5W	True Brg.	523°W	Logged by	W.E. Wiley
Objective	Test surface trenching	% Recov.		Date	May 16/81

Core stored at drill site #3

Claim Bonanza
T Brg. S 23°W
Collar Dip -45°
Elev. =377m
Length 70.7
Hole No. MB 81-5 Sheet 1

METERAGE		Description	Sample No.	Length	Analysis
From	To				
0	3.0	Casing: 2.4 m stick up			
3.0	19.0	Amphibolite, medium grained, dark green, massive except 7.0 to 11.1 where it is slightly schistose with biotite. Schistosity at 48°. A 0.25 cm band of pyrrhotite at 48° at 11.8m, 14.6m and 16.9m. A 2 cm alteration zone (light green) at 13.4m with specs of pyrrhotite. Two 0.5 cm quartz stringers at 14.9m - the quartz appears crystalline therefore was deposited in an open space. Biotite is in the centre of one stringer.			
19.0	27.6	Alternating Layers (beds) of argillite and greenstone also 1 cm beds of quartzite. Occasional thin (0.25 cm) quartz along bedding. Slightly mineralized with pyrrhotite, minor pyrite and chalcopyrite.			
		Core angle 55° at 24.4m			
		Arg. 21.3 - 21.9	26440	0.6	All less than 0.005
		Arg. 21.9 - 23.3	26441	0.4	
		Grnst. 23.3 - 23.9	26442	0.6	
		Grnst. 23.9 - 24.6	26443	0.7	
		Arg + Grnst. 24.6 - 25.1	26444	0.5	
		Arg + Grnst. 25.1 - 25.5	26445	0.4	
		Arg. to 25.9 then Grnst. 25.5 - 26.3	26446	0.8	
		Arg. 26.3 - 26.9	26447	0.6	
		Grnst. 26.9 - 27.6	26448	0.7	

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W.E. Wiley

Scale

Colour Plot
& Dips

Drill Hole Record



Property	MAJOR BONANZA	District	Vancouver	Hole No.	MB 81-5
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

METERAGE From To	Description	Sample No.	Length	Analysis				Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. MB 81-5	Sheet 2
				AD	g/m									
27.6 - 38.6	Argillite, black, thin bedded, bedding sometimes contorted, minor pyrrhotite along bedding and in quartz stringers. Spec of sphalerite at 30.9 in qtz stringer													
	Core angle 56° at 30m		30.8 - 31.1	26449	0.3	<.003								
	53° at 35.8m		37.2 - 38.1	26450	0.9	<.003								
			38.1 - 38.6	26451	0.5	<.003								
38.6 - 39.9	Quartz with angular argillite fragments also what looks like altered feldspars, disseminated pyrrhotite.													
			38.6 - 39.3	26452	0.7	<.003								
			39.3 - 39.9	26453	0.6	<.003								
39.9 - 41.0	Argillite - Quartz stringers and one 3 cm band of quartz		39.9 - 41.0	26454	1.1	<.003								
41.0 - 42.2	Volcanic Sill with disseminated pyrrhotite		41.0 - 42.2	26455	1.2	<.003								
42.2 - 42.5	Argillite		42.2 - 42.5	26456	0.3	<.003								
42.5 - 43.1	Volcanic Sill		42.5 - 43.1	26457	0.6	0.003								
43.1 - 43.5	Argillite			26458	0.4	0.003								
43.5 - 43.8	Quartz - as between 38.6 and 39.9			26459	0.3	0.003								

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Scale

Colour Plot
& Dips

Drill Hole Record



Property	MAJOR BONANZA	District	Vancouver	Hole No.	MB 81-5
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

METERAGE		Description	Sample No.	Length	Analysis		Collar Dip	Elev.	Length	Hole No.	Sheet
From	To				Assay	ton					
43.8	44.7	Argillite	26460	0.9	0.003					MB 81-5	3
44.7	45.3	Volcanic Sill	26461	0.6	<.003						
45.3	45.9	Quartz, 1 cm of pyrrhotite at base	26462	0.6	0.003						
45.9	46.3	Volcanic Sill	26463	0.4	<.003						
46.3	64.0	Argillite - black, thin bedded, bedding contorted in places, quartz stringers prevalent 50.4 to 55.5									
		Crushed Zones (Fault) 52.4 - 52.6, 55.5 - 57.0									
		Rock competent after 58.5 (a few minor slips 0.5 cm displacement after 58.5)									
		Core Angle at 49.4m = 69 ⁰ , 53.9m = 80 ⁰ , 58.5m = 67 ⁰	46.3 - 46.8	26464	0.5	<.003					
			46.8 - 47.9	26465	1.1	<.003					
64.0	65.2	Argillite and Greenstone, minor pyrrhotite and pyrite Core angle of argillite at 64.6m = 64 ⁰									
65.2	66.2	Amphibolite or greenstone - fine grained, massive, pyrrhotite in bands with alteration (ie. coarse chlorite).									

Scale

Colour Plot
& Dip

Drill Hole Record



Property MAJOR BONANZA (Drury Inlet) District Vancouver Hole No. MB 81-6
 Commenced May 15/81 Locallion Site 3 Tests at 100'=70° 200'=65° Hor. Comp.
 Completed May 16/81 Core Size BQ Corr. Dip -65° at collar Vert. Comp.
 Co-ordinates Grid 0+24N, 2+19.5W True Brg. 540W Logged by W.E. Wiley
 Objective % Recov. Date May 18/81

Core stored at drill site #3

METERAGE		Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
From	To											
0	2.4	Overburden and stick up ie. = 8' stickup 1' OB.			26465	Bonanza	540°W	-65°	≈377m	76.5m	MB 81-6	1
2.4	24.2	Amphibolite - fairly massive, dark green, fine to medium grained, somewhat schistose 9.9m to 15.8 with coarse chlorite and biotite flakes. Minor pyrrhotite with a 1 cm band at 22.4 and at 23.0 in quartz cutting core at approximately 45°.										
				22.2 - 23.2	26466							
24.2	29.5	Argillite and greenstone interbedded. Schistose 26.5 - 28.2. Minor pyrrhotite and pyrite. Core angle at 25.3m = 65°.										
29.5	30.2	Amphibolite - dark green, massive, medium grained										
30.2	37.3	Greenstone with argillite sections. 2 cm of quartz including 1 cm of pyrrhotite at 33.1m.										
				33.0 - 33.2	26467							
37.3	51.5	Argillite, black, fine bedded. Bedding contorted after 43.9m. Thin (0.2 cm) quartz along bedding to approximately 44.0 then increases in thickness to maximum of 4 or 5 cm. Very minor pyrite and pyrrhotite along bedding planes to 44.0 then a slight increase. Core angle at 38.7m = 43°, at 43.3m = 50°										
				50.9 - 51.5	26468							
51.5	51.8	Volcanic Sill grey, with quartz throughout										
				51.5 - 51.8	26469							

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Scale

Colour Plot
& Dip

Drill Hole Record



Property		MAJOR BONANZA	District	Vancouver	Hole No.	MB 81-6					
Commenced			Location		Tests at		Hor. Comp.				
Completed			Core Size		Corr. Dip		Vert. Comp.				
Co-ordinates			True Brg.		Logged by						
Objective			% Recov.		Date						
METERAGE		Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.
From	To										MB 81-6
51.8	52.9	Argillite with quartz and pyrrhotite, Core angle = 58°	26470	1.1	0.003						
52.9	53.9	Volcanic Sill grey, no quartz	26471	1.0	<.003						
53.9	55.3	Argillite - quartz bands 4 cm at 54.4 and 8 cm at 54.9, minor sphalerite, mineralized with pyrite and pyrrhotite, argillaceous material mixed with quartz									
			26472	0.5	<.003						
			26473	0.9	<.003						
55.3	56.4	Volcanic Sill, grey, massive, barren, no quartz, upper contact at 63°.									
			26474	1.1	<.003						
56.4	64.8	Argillite - fine bedded, black. Minor pyrrhotite. 2 cm of pyrite and quartz at upper contact. Vertical late quartz stringers (barren) at 59.9 to 62.8 with drusy quartz fracture is still partly open.									
		Core angle at 57.0m = 52°									
		Note: Fault - crushed argillite from 63.4 to 67.5									
			26475	0.6	<.003						
			26476	0.5	<.003						
64.8	65.5	Greenstone, quite pale, crushed with quartz stringers at start and end (10 cm each).									

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Scale

Colour Plot & Dips

Drill Hole Record



Property MAJOR BONANZA District Vancouver Hole No. MB 81-6

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. MB 81-6

Sheet 3

METERAGE		Description	Sample No.	Length	Analysis					
From	To									
65.5	67.5	Argillite - crushed								
67.5	68.0	Greenstone								
68.0	70.7	Argillite Core angle = 65°								
70.7	73.8	Greenstone, narrow argillite bands, a few thin quartz stringers.								
73.8	76.5	Argillite: Beds 0.2 cm to 4 cm, bedding generally contorted. Minor thin quartz stringers. No sulphides.								
		END OF HOLE								

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Scale

Colour Plot
& Dip

Drill Hole Record



Property MAJOR BONANZA (Drury Inlet) District Vancouver Hole No. MB 81-7
 Commenced May 17/81 Location Site 1 Tests at 165' (50.2m) = 49° Hor. Comp.
 Completed May 18/81 Core Size BQ Corr. Dip 44° at collar Vert. Comp.
 Co-ordinates Grid 0+42N, 0+1.2W True Brg. S20°W Logged by W.E. Wiley
 Objective To test surface trenching % Recov. Date May 19/81
 Core stored at drill Site #1

Claim Bonanza
 T Brg. S20°W
 Collar Dip -44°
 Elev. = 369m
 Length 50.9m
 Hole No. MB 81-7 Sheet 1

METERAGE		Description	Sample No.	Length	Analysis Au/g	
From	To					
0	1.8	Overburden - casing to 2.1m				
1.8	5.4	Amphibolite - very slightly sheared with biotite and chlorite at 66° to core.				
5.4	6.7	Argillite - black, thin bedded, 1 cm band of pyrrhotite and pyrite at 5.6m, some leaching at 5.9m. Core angle = 42°				
6.7	12.0	Greenstone with minor argillite at 9.1 to 9.6 and 10.5 to 10.6. Biotite rich sections. Quartz with pyrite at contact.				
			11.8 - 12.0	26477	0.2	<.003
12.0	30.0	Amphibolite - massive, medium grained, dark green. Occasional quartz stringers or blebs sometimes with pyrrhotite for example at 26.0m.				
			25.9 - 26.0	26478	0.1	<.003
30.0	34.7	Argillite - with soft, brown layers, probably biotite (or carbonate). Some pyrrhotite. Minor quartz. Core angle 58° at 33.5m				
34.7	35.7	Greenstone				
35.7	36.9	Argillite, 4 cm quartz band at 36.1m, Core angle 55° at 35.8				
			35.9 - 36.9	26479	1.0	<.003

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W.E. Wiley

Scale

Colour Plot
& Dip

Drill Hole Record



Property	MAJOR BONANZA	District	Vancouver	Hole No.	MB 81-7
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

METERAGE		Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.
From	To										
36.9	37.9	Quartz, white, contains minor argillite, light sulphides in first 0.4m	26480	0.4	<.003						MB 81-7
37.9	39.4	Volcanic Sill	26481	0.6	<.003						Sheet 2
			26482	0.8	<.003						
			26483	0.7	<.003						
39.4	40.7	Quartz-white, one patch of included argillite at 40.4									
			26484	0.6	<.003						
			26485	0.5	<.003						
40.7	41.7	Argillite - minor quartz stringers approximately 0.2 cm thick Core angle = 80°									
			26486	1.0	<.003						
41.7	43.9	Volcanic Sill									
43.9	50.9	Argillite minor pyrite pyrrhotite to 46.3m. Quartz band 44.6 to 44.8. Core angle at 49.0m = 62°									
			26487	0.2	0.003						
		END OF HOLE									



FOUNDIT OPAL
BONANZA

AGATE
RUBY

POND

SITE 3

SITE 2

SITE 1

MB81-6
-65°

MB81-5
-44°

MB81-4
-70°

MB81-3
-45°

MB81-2
-70°

MB81-1
-45°

MB81-7
-45°

3+00 W

2+00 W

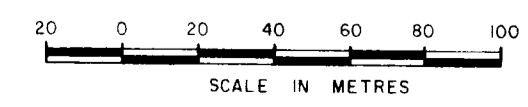
1+00 W

0+00

0+50 E

Baseline

MINERAL RESOURCES BRANCH
ASSIGNMENT REPORT
9303
NO.



MAJOR BONANZA

N.T.S.
92 L/14E

Drawn by: g m b		Traced by:	
Revised by	Date	Revised by	Date

DIAMOND DRILL HOLE LOCATIONS

Scale: 1 : 2 000 Date: May, 1981 Plate: