GM 45064

DRILL HOLE LOG, DISCOVERY WEST CORP PROPERTY

Documents complémentaires

Additional Files

Licence

License

Énergie et Ressources naturelles
Québec

DRILL HOLE LOG

DIP TESTS

At 44.8m Ft. -49°
At 91.4m Ft. -49°
At 137.2m Ft. -47.5°
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Discovery West Corp.
At Grasset Twp., P.Q.
Claim No. 427729-3
Working Place .....
Baseline Footage L1+50E
Baseline Offset 3+25N
Date Started Mar. 26, 1987
Date Completed Mar. 28, 1987

Hole Number D87-1
Dip -50°
Length 139.29m
Bearing 200° AZ
Elev. Collar .....
Horiz. Trace .....
Vert. Trace .....
Date Logged March 29, 1987

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB
0	10.36m	**Overburden**		
10.36	11.23	**Siliceous, Leucocratic Reddish Granite**		
11.23	12.28	**Foliated, Contaminated Reddish Granite**		
12.28	13.70	**Foliated, Contaminated Reddish Granite with Aplite Dike**		
		- 2cm thick at 5° to core axis		
13.70	16.03	**Massive Reddish Aplitic Granite**		
		- cuts foliated granite at 15° to core axis		
16.03	45.94	**Foliated, Contaminated Reddish Granite**		
		- medium grained, somewhat porphyritic		
		- 40% K-spar, 30% grey-to-blueish quartz, 15% plagioclase,		
		5-30% mafic minerals including biotite, amphibole,		
		chlorite and magnetite (scattered traces, up to 2%)		
		- rather variable schistose foliation 20-60% to core axis		
		- calcite ± chlorite ± quartz ± K-spar in fractures		
		(2 generations) or disseminated in rare shears, especially		
		in or near mafic "xenolith" 23.82 - 24.40		
		- trace pyrite in granite 21.78 - 22.90	7701	Nil
		- chlorite + calcite + pyrite 1% disseminated in shears		
		at 5° - 10° to core axis 22.90 - 23.82	7702	Nil
		- trace pyrite + magnetite in chloritic fractured		
		mafic "xenolith" 23.82 - 24.40	7703	Nil
		- trace pyrite at 34.0 and 36.8, not sampled		
		- trace pyrite in fractures in massive contaminated		
		granite 40.02 - 40.85	7704	Nil

Logged by R. van Ingen

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
		- 2% disseminated + stringer pyrite associated with			
		chlorite + calcite in fractured, massive contaminated			
		granite (mafic-rich) 40.85 - 43.70	7705	Nil	
		- chloritic shears and quartz + K-spar veinlets at			
		25° to core axis 42.87 - 43.70	7706	Nil	
		- trace pyrite at 44.79, not sampled			
45.94	47.34	**Xenolithic Red Granite**			
		- 50% chlorite ± biotite bands and inclusions in			
		foliated contaminated granite			
		- local traces of magnetite			
		- foliation in granite and xenoliths varies from			
		30° to 70° to core axis			
47.34	48.87	**Siliceous, Pink Leucocratic Granitoid**			
		- with sericitic cleavage at 40° - 50° to core axis			
48.87	52.77	**Xenolithic Red Granite**			
		- 50% dioritic + mafic schist inclusions and bands in			
		foliated contaminated reddish granite as before			
		- trace to 3% disseminated magnetite			
		- foliation at 60° to core axis			
		- trace disseminated and fracture filled pyrite associated			
		with chloritic shears at 15° to core axis 50.00 - 51.05	7707	Nil	
		- trace pyrite in foliated granite as above in contact			
		at 52.77 with massive, fractured diorite with good			
		trace pyrite 52.30 - 53.30	7708	Nil	
52.77	54.70	**Massive, Fractured Diorite (Xenolith?)**			
		- minor chloritic cleavage at 60 ° to core axis			
		conforming to contact with contaminated granite			
		- fractures contain chlorite, calcite and zoisite and			
		traces of pyrite			
		- cut by 10 cm grey dike near lower contact			

Logged by RVI Hole Number D87-1 Sheet Number 2

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB
54.70	55.65	**Xenolithic, Contaminated Reddish Granite**		
		- foliated as before		
55.65	63.20	**Mylonitic, Contaminated Reddish Granite**		
		- intense foliation at 80° to core axis superimposed		
		on earlier foliation(s)		
		- thin-banded mylonite with faint trace pyrite,		
		epidote-chlorite veinlets and late stage calcite		
		veinlets 60.30 - 61.05	7709	Nil
		- well-foliated granitoid (below the fault zone) with		
		trace disseminated pyrite 61.05 - 61.65	7710	30
		- 30cm fractured pink aplite dike at 35° to core		
		axis at 62.19		
63.20	87.28	**Xenolithic, Contaminated Reddish Granite**		
		- 10 - 30% mafic xenoliths up to 30cm wide		
		- trace-to-3% magnetite down to 70.40 and scattered		
		traces thereafter, e.g. 77.2, 78.7, and 84.2		
		- trace pyrite at 65.04, not sampled		
		- K-spar + calcite veinlets and 1% disseminated pyrite		
		in silicified, xenolithic granite 68.25 - 68.95	7711	210
		- subtle change of foliation at 81.40 becoming gneissic		
		but still at 10-35° to core axis		
87.28	108.00	**Cherty Felsite**		
		- intrudes the orthogneiss above; contains inclusions		
		of mafic xenoliths and contaminated granite and seems		
		to grade into paragneisses below		
		- faint vestigal gneissic banding at 0-30° to core axis		
		indicating emplacement has involved considerable		
		replacement of the gneisses.		
		- interbanded sheared siliceous felsite, schistose		
		granite and chlorite schist with scattered trace of		
		disseminated pyrite 87.28 - 88.50	7712	Nil

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB
		- trace pyrite ± epidote ± garnet at 90.83 and 98.45, not sampled		
		- disseminated muscovite 100.15 - 108.00		
		- chlorite - amphibole inclusion, occasional calcite veinlet and trace disseminated pyrite 103.36 - 104.00	7713	Nil
		- occasional chloritic shear (≤ 8mm) at 5° to core axis adjacent to which trace pyrite 106.35 - 106.95	7714	Nil
108.00	117.45	**Siliceous Biotitic Paragneiss**		
		- thin, well-banded; indicates rock was originally a cherty sediment		
		- banding at 20° to 30° to core axis		
		- occasional leucocratic pink granite dikes at 30 to 45° to core axis		
		- occasional folded granitoid dikes		
		- 30cm amphibolite band at 109.00		
		- conformable stringers of pyrite, 1% 110.00 - 111.24	7715	Nil
		- biotite + chlorite, siliceous paragneiss with about 3% conformable stringers of pyrite including 10cm 60% disseminated pyrite at 114.20 113.70 - 114.60	7716	Nil
		- massive -to- banded, biotite paragneiss with good trace pyrite stringers 114.60 - 115.82	7717	Nil
117.45	138.05	**Mafic Paragneiss**		
		- amphibole, chlorite, biotite - rich,		
		- thin, well-banded 0-40° to core axis		
		- occasional folded "quartz diorite" dike		
		- massive, feldspar porphyritic, andesite dike cuts banding at 90° to core axis 121.60 - 123.60		
		- traces of pyrite ± epidote parallel to core axis not sampled at 129.65 and 136.05		

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY AuPPB	
138.05	139.29	**Fractured Feldspar Porphyry**			
		- crowded with beige phenocrysts (K-spar?)			
		- calcite ± chlorite ± zoisite in matrix			
		- good trace finely disseminated pyrite, one speck of			
		chalcopyrite 138.05 - 139.29	7718	Nil	
		- interfingering intrusive contact at about 25° to			
		core axis			
	End of Hole				
		SUMMARY			
		The hole was directed across a weak IP anomaly interpreted			
		to be underlain by volcanics adjacent to the Kitchigama granite			
		mass.			
		The rock intersected in the upper part of the hole consists			
		dominantly of foliated, contaminated red granite with numerous			
		mafic xenoliths. It is cut by massive red aplite granite dikes			
		and a fault zone (at 60.0m). Below the fault zone the foliation			
		of the granite changes to a southerly dip which persists to the			
		bottom of the hole. There, however, the gneisses are paragneisses			
		locally containing trace -to- 3% stringer pyrite (110.00 - 115.82)			
		which could explain the IP anomaly. The lower structural block is			
		intruded by feldspar porphyritic andesite dikes, cherty felsite			
		(which may be equivalent to the aplitic granite of the upper block)			
		and a crowded K-spar porphyry "sill."			

DRILL HOLE LOG

DIP TESTS

At 45.7m Ft. -48°
At 93.6m Ft. -47°
At 137.2m Ft. -47°
At 178.6m Ft. -45°
At ..... Ft. .....
At ..... Ft. .....

Property Discovery West Corp.
At Grasset Twp., P.Q.
Claim No. 427729-3
Working Place .....
Baseline Footage L1+00E
Baseline Offset 1+00N
Date Started Mar. 28, 1987
Date Completed Mar. 31, 1987

Hole Number D87-2
Dip -47°
Length 178.61m
Bearing 20° AZ
Elev. Collar .....
Horiz. Trace .....
Vert. Trace .....
Date Logged April 1,1987

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
0	10.36	**Overburden (includes red granite boulders)**			
10.36	35.24	**Foliated, Contaminated Red Granite**			
		- weak schistose foliation at 40°-60° to core axis			
		- about 12% hornblende, biotite and chlorite			
		- similar to granite of D87-1			
		- 5% scattered red aplitic dike ≤ 50cm thick			
		- 55cm mafic inclusion at 19.10			
35.24	37.02	**Red Aplitic Granite**			
		- cuts foliated granite at 50-60° to core axis			
		approximately perpendicular to foliation			
37.02	40.43	**Xenolithic, Contaminated Red Granite**			
		- crowded with mafic xenoliths in various stages			
		of disintergration up to 40cm wide			
		- minor pegmatitic red granite at contacts of xenoliths			
		- trace pyrite as blobs in granite or (in one instance) in a			
		fracture, not sampled			
40.43	43.91	**Magnetic Meta-Diorite**			
		- contacts parallel to foliation at 50-60° to core axis			
		- about 2% magnetite			
		- amphibole spotted (hornfelsic)			
		- contains an inclusion of xenolithic red granite			
43.91	45.41	**Xenolithic, Contaminated Red Granite**			

Logged by R. van Ingen

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	ASSAY Ag PPB
45.41	51.25	**Foliated Contaminated Red Granite**			
		- schistose foliation at 45° to core axis			
		- occasional red aplite dike			
		- occasional biotite ± chlorite ± magnetite xenolith			
51.25	52.42	**Xenolithic, Grey, Leucogranite**			
		- 15cm chloritic "xenolith" with 20% disseminated pyrite below			
		which is siliceous, mottled felsite 51.01 - 51.61	7719	Nil	
		- contacts at 45° to core axis			
52.42	57.64	**Foliated Reddish Leucogranite**			
		- indistinct gneissic foliation			
57.64	73.74	**Interbanded Siliceous, Sulphide-Bearing Paragneiss, Amphibolite,**			
		Feldspar Porphyritic, Biotite "Granite" Gneiss And Contaminated			
		Grey "Gran odiorite"			
		- 50cm massive, medium grained amphibole - spotted meta-diorite			
		with disseminated -to- fracture controlled pyrite (½%)			
		bordered by conformable siliceous, paragneiss foliated at 60°			
		to core axis 57.60 - 58.22	7720	Nil	
		- siliceous paragneiss at 45° to core axis, locally folded, with			
		conformable bands and disseminations of pyrrhotite (3%)			
		pyrite (2%) and magnetite (1%) and a rare speck of	7721	486 PPM	Cu
		chalcopyrite 58.22 - 59.28	7721	Nil	0.5
		- siliceous "felsite", minor paragneiss and amphibolite bands;	7721	49 PPM	Zn
		good trace of disseminated pyrite 59.28 - 60.40	7722	Nil	
		- folded paragneiss (50%) with 5% pyrite and pyrrhotite, trace			
		magnetite and faint trace chalcopyrite interbanded with			
		biotitic, feldspar (sericitized) porphyritic, grey granite			
		60.40 - 61.32	7723	Nil	
		- amphibolite interbanded (at 30° to 70° to core axis) with			
		feldspar porphyritic, grey granite and siliceous paragneiss, the			
		last with 5-10% pyrrhotite and pyrite which are associated with	7724	578 PPM	Cu
		epidote and chlorite 61.32 - 62.25	7724	Nil	0.4
		- 30cm of thin, indistinctly banded, tightly folded (at 50° to	7724	63 PPM	Zn
		core axis), magnetite (60%) changing sharply below to			

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	ASSAY Ag PPM
		schistose feldspar porphyritic grey granite with a good trace			
		of pyrrhotite and pyrite 62.25 - 62.75	7725	Nil	
		- schistose, grey feldspar porphyritic granite with occasional			
		patches of irregular bands of pyrite and pyrrhotite (1%)			
		70.05 - 71.01	7726	Nil	
		- cherty paragneiss, amphibolite and grey -to- pink, feldspar			
		porphyritic granite with 5% pyrite - pyrrhotite - chalcopyrite			
		(trace) associated with biotite and epidote in the paragneiss	7727	350 PPM	Cu
		mainly 71.01 - 72.00	7727	Nil	0.5
		- weakly foliated pink -to- grey biotite (15%) granite with	7727	57 PPM	Zn
		trace disseminated pyrite; includes 10cm band of paragneiss at			
		73.10 with pyrite, magnetite and chlorite at 50° to			
		core axis 72.00 - 73.21	7728	Nil	
73.74	84.40	**Interbanded, Grey, Feldspar Porphyritic Granite, Amphibolite And**			
		Red Contaminated Granite			
		- K-spar + epidote altered FP Gr, trace pyrite			
		and fractured with calcite 75.38 - 75.98	7729	Nil	
		- contaminated F P Gr with chlorite -calcite- pyrite (trace)			
		veinlets parallel to core axis 83.40 - 84.40	7730	Nil	
84.40	85.85	**Weakly Altered And Sheared "Felsite"**			
		- massive -to- fractured, bleached by pervasive chlorite -			
		calcite - sericite - pyrite (1%) and chalcopyrite (faint			
		trace) alteration; sheared at upper contact at 50° to			
		core axis with a rare quartz stringer 84.40 - 85.00	7731	Nil	
		- less altered and somewhat feldspar porphyritic with			
		20cm sheared at lower contact at 50° to core axis (but			
		lacking sulphides) 85.00 - 85.85	7732	Nil	
85.85	87.20	**Pinkish -to- Dark Grey, Contaminated, Feldspar Porphyritic Granite**			
		- trace to ½% disseminated pyrite and rare speck chalcopyrite			
		especially in or near rare mafic xenolith 85.85 - 87.20	7733	Nil	

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
87.20	156.36	**Foliated, Contaminated, Grey, Feldspar Porphyritic "Granodiorite"**			
		- 20 - 40% feldspar phenocrysts of very variable size and			
		shape, often anhedral and altered			
		- numerous amphibolitic xenoliths $\leq$ 1.0m wide, with which red			
		contaminated granite and pegmatite often associated down			
		to 116.40 and also 130.0 - 136.25			
		- occasional paragneiss bands, e.g. 30cm at 113.25			
		- occasional grey -to- red leucogranite dike at 20° to core			
		axis perpendicular to foliation, e.g. 114.90 - 118.16			
		- schistose and gneissic foliation at 45° to 70° to core			
		axis except folding at 154.40 - 155.40 axial plane of which			
		is about perpendicular to core axis			
		- massive, feldspar porphyritic diorite with sharp contacts			
		cutting across foliation at 40° to core axis, 143.34 - 145.90			
		- occasional patches, $\leq$ 10cm, of K-spar $\pm$ epidote			
		$\pm$ garnet $\pm$ quartz alteration, e.g. at 110.20, 120.0, 124.95,			
		126.2, 130.3, 140.70 becoming banded veins at 152.76 and at 155.60			
		- minor mylonitic zones with K-spar $\pm$ chlorite $\pm$ calcite			
		veinlets in grey FP Gr and 10% amphibolite xenoliths,			
		includes 8cm K-spar + epidote mylonite with an inclusion or			
		dike of massive red leucogranite at 148.00 and a tensional fault			
		(1cm displacement) at 45° to core axis at 147.0 cutting			
		perpendicular across the mylonite which is at 50° to core			
		axis; trace pyrite 146.70 - 148.20	7734	Nil	
		- folded, schistose, biotitic, grey FP Gr with 2 stringers of			
		pyrrhotite + pyrite + chalcopyrite in quartz 154.61 - 155.21	7735	Nil	
156.36	171.22	**Sheared And Altered, Contaminated, Feldspar Porphyritic Granite**			
		- numerous xenoliths as before but more chloritic			
		- foliation is more intense but still at 45 to 50° to			
		core axis			
		- pervasive bleaching of the biotite to chlorite - calcite -			
		sericite - dolomite (minor); also beige -to- pink K-spar			
		replacements			

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
		- 32cm massive -to- fractured red leucogranite (aplite)			
		dike with chlorite + calcite + trace pyrite in fractures			
		156.98 - 157.58	7736	Nil	
		- 2cm green epidote + calcite fault breccia at 157.96 at 47°			
		to core axis bounded by fractured,pervasive K-spar			
		alteration 157.58 - 158.18	7737	Nil	
		- bleached schist at 50° to core axis with calcite +			
		chlorite + quartz + sericite (trace) and patches of			
		K-spar alteration cut by late stage epidote + calcite			
		veinlets; faint trace disseminated pyrite 164.20 - 164.90	7738	Nil	
		- as before 166.83 - 167.53	7739	Nil	
		- massive K-spar alteration cut by calcite + epidote veinlets			
		with a faint trace of pyrite and by 10cm of fault gouge			
		breccia, the matrix is green epidote and calcite, the			
		fragments (10%) being K-spar, angular in shape; the			
		contacts of the fault are at 30° and 50° to core			
		axis 167.53 - 168.23	7740	Nil	
		- interbanded sheared granite, amphibolite and siliceous			
		paragneiss with a conformable band, 2mm thick, of pyrrhotite			
		and pyrite 169.87 - 170.47	7741	Nil	
171.22	178.61	**Contaminated, Grey, Feldspar Porphyritic Granodiorite Gneiss**			
		- 15 to 30% biotite			
		- feldspar phenocrysts are relatively small, - 3mm, and			
		probably plagioclase mainly			
		- occasional interbands of siliceous paragneiss			
		- foliation at 45 to 70° to core axis averaging about 55°			
		- numerous "amphibolite" bands			
		- scattered faint traces of pyrite and pyrrhotite, often in			
		the amphibolites, not sampled			
	End of Hole				

Logged by RVI Hole Number D87-2 Sheet Number 5

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
		SUMMARY			
		Hole was collared in the Kitchigama granite and directed northerly to test strong magnetic and flanking IP anomalies inferred to be underlain by metavolcanics.			
		These anomalies can be explained by conformable bands of pyrrhotite and pyrite and traces of chalcopyrite as well as a band of oxide iron formation in siliceous paragneiss from 57.6 to 73.2m depth in the hole.			
		Several zones of shearing and hydrothermal alteration were intersected at depth in contaminated, feldspar porphyritic biotite, granite gneiss. The chloritic shears and feldspathic mylonites are conformable with the country rock foliation dipping steeply southwards. Biotite has been bleached to chlorite and calcite. There were also extensive additions of K-spar before, during and subsequent to this shearing. Tensional faults followed and open spaces filled with epidote and calcite mainly. The latter may be associated with mafic intrusive dikes.			

DRILL HOLE LOG

DIP TESTS

At 47.7m Ft. -54°
At 91.4m Ft. -53°
At ... Ft. ...
At ... Ft. ...
At ... Ft. ...
At ... Ft. ...

Property: Discovery West Corp.
At: Grasset Twp., P.Q.
Claim No.: 427736-3/427738-2
Working Place: ...
Baseline Footage: L19+50E
Baseline Offset: 3+00N
Date Started: Apr. 1, 1987
Date Completed: Apr. 3, 1987

Hole Number: D87-3
Dip: -50°
Length: 128.32m
Bearing: 200° AZ
Elev. Collar: ...
Horiz. Trace: ...
Vert. Trace: ...
Date Logged: Apr. 4, 1987

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB
0	13.41	**Overburden (clay)**		
13.41	28.45	**Foliated, Contaminated, Red Granite**		
		- medium grained, schistose at 30-40° to core axis		
		- 12-20% hornblende, biotite and chlorite		
		- similar to red granite of holes 1 and 2		
28.45	32.90	**Grey-to-Red, Xenolithic (5%) Granite**		
32.90	35.94	**Mafic Xenoliths And Granitic Injections**		
		- foliation at 30° to core axis		
35.94	63.59	**Interbanded Granodiorite, Orthogneiss, Paragneiss And Amphibolite**		
		- very variable, flow-folded gneissic banding averaging about 25° to core axis		
		- cherty paragneiss 48.86 - 50.90 and 55.80 - 57.70 which grades into the most abundant rock type - siliceous, biotite granodiorite gneiss with inclusions of amphibolite and intruded by very contaminated, massive granodiorite.		
		- grey, siliceous, biotite, granodiorite gneiss and cherty paragneiss at 0-20° to core axis cut by chlorite + calcite shears at 45° to core axis (and about 80° to the gneissosity) with which traces of pyrite and rare specks of chalcopyrite are associated 55.69 - 56.47	7742	Nil

Logged by R. van Ingen

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
		- as before but trace pyrite + chlorite + calcite in			
		fractures at 5° to core axis 57.46 - 58.06	7743	Nil	
		- grey -to- pink, medium -to- coarse grained granodiorite,			
		very contaminated with hornblende and small xenoliths;			
		trace disseminated + stringer pyrite 58.06 - 58.91	7744	Nil	
		- amphibolite intensely invaded by contaminated			
		granitoid, trace pyrite 58.91 - 60.60	7745	Nil	
63.59	87.87	**Reddish Aplitic Granite**			
		- contaminated with trace magnetite adjacent			
		to large chloritic xenoliths 68.00 - 69.10			
87.87	102.80	**Reddish Leucogranite "Gneiss"**			
		- thin, distinct bands of white and red felsite			
		- occasional amphibolite bands			
		- K-spar altered at depth			
102.80	103.10	**Fault Breccia**			
		- 20 to 60% elongate, red feldspathic clasts,2cm long at			
		top -to- 2mm long at depth			
		- matrix is greenish-black chlorite + "feldspar ± zoisite"			
		- massive -to- foliated at 37° to core axis			
		- irregular, black chlorite veinlets			
103.10	128.32	**Foliated, Contaminated, Feldspar Porphyritic Granodiorite**			
		- scattered patches of siliceous paragneiss, amphibolite			
		and pervasive K-spar ± epidote alteration			
		- foliation 0-50° to core axis			
		- bleached, chloritic "alteration" 105.2 - 106.6			
		- pervasive K-spar (50%) with bands of chlorite + epidote			
		+ magnetite 1%; well fractured with calcite; trace			
		pyrite 108.40 - 109.50	7746	Nil	
		- mafic dike 111.38 - 111.98			

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
		- medium grained, red leucogranite bordered by			
		contaminated red granite (cutting FP Gd); much			
		fractured, with calcite, clay and chlorite 111.98 - 112.78	7747	Nil	
		- mafic intrusion 116.30 - 117.04			
		- 25% bands of epidote and chlorite and magnetite +			
		pyrite, 4%, (in FP Gd) at 45° to core axis			
		117.04 - 117.64	7748	10	
		- 10% beige, cherty alteration bands and 5cm chloritic			
		sheared band at 45° to core axis 122.54 - 123.14	7749	10	
		- 30cm chlorite + calcite schist (folded schistosity at			
		30° to 60° to core axis) and silicified fractured			
		FP Gd with 2cm pegmatite at contact 125.58 - 126.18	7750	Nil	
End of Hole					
		SUMMARY			
		The hole was directed southerly (200° AZ) across an IP anomaly inferred to be underlain by volcanics.			
		It intersected a complex assemblage of granites, orthogneiss, paragneiss, xenoliths and mafic dikes. There are chloritic shears and patches of pervasive K-spar alteration but only trace of sulfides. The attitude of the gneissic foliation in the rock contacts are largely dipping to the south. It is possible that the hole passed below the source of the IP anomaly, i.e. the hole went "down the dip."			
		The intrusive sequence may be from oldest-to-youngest: paragneiss, chlorite schistose metavolcanics, amphibolite, orthogneiss, feldspar porphyritic granodiorite, red granites, K-spar alteration, faulting, mafic dikes.			

DRILL HOLE LOG

DIP TESTS

At 47.7m Ft. -50°
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Discovery West Corp.
At Grasset Twp., P.Q.
Claim No. 427736-3
Working Place .....
Baseline Footage L19+50E
Baseline Offset 1+85N
Date Started Apr. 3, 1987
Date Completed Apr. 4, 1987

Hole Number D87-4
Dip -48°
Length 75.29
Bearing 20° AZ
Elev. Collar .....
Horiz. Trace .....
Vert. Trace .....
Date Logged April 5, 1987

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB
0	9.46	**Overburden (clay)**		
9.46	13.50	**Granodiorite Orthogneiss**		
		- very biotitic (about 20%), fine grained, siliceous;		
		banding 0-60° to core axis (average about 30°)		
		- grades into occasional bands of paragneiss		
		- occasional inclusions of amphibolite		
		- occasional massive, grey granite dike		
13.50	19.60	**Siliceous, Sulfide-Bearing Paragneiss And Feldspar**		
		Porphyritic Granodiorite Orthogneiss		
		- gneissic banding 35° to 60° to core axis		
		- thinly bedded, grey chert with biotitic beds and		
		minor chloritic bands and occasional feldspar		
		phenocrysts		
		- about 5% pyrrhotite and pyrite in conformable		
		bands at 35° to core axis 13.50 - 14.32	7751	Nil
		- siliceous, feldspar porphyritic gneiss and		
		remnant paragneiss bands at 35° to core axis;		
		good trace up to ½% pyrite ≤ pyrrhotite 14.32 - 15.35	7752	Nil
		- very tight, shear folded, crumpled, siliceous para-		
		gneiss with occasional feldspar phenocrysts; 5% pyrite		
		≥ pyrrhotite (including 2cm band of massive pyrite) and		
		1% magnetite, mainly in chlorite + epidote bands at		
		40° and 60° to core axis, the latter mainly shears;		
		15.35 - 15.95	7753	10

Logged by R. van Ingen

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				Au PPB	Ag PPM
		- feldspar porphyritic, siliceous gneiss (looks like			
		crystal tuff!) with a trace pyrite 15.95 - 16.70	7754	Nil	
		- feldspar porphyritic (whitish -to- reddish), biotitic			
		gneiss; feldspar crystals appear to have grown after the			
		first foliation at 40° to core axis but before the shear			
		foliation at 60° to core axis; about 2% pyrite and			
		pyrrhotite mainly with chlorite in the shear foliation			
		bands 16.70 - 17.37	7755	10	
		- similar to previous sample but contains about 8%			
		pyrrhotite $\geq$ pyrite, trace magnetite and trace chalco-			
		pyrite including a 4cm band of massive pyrrhotite with			
		porphyroblasts of pyrite at 80° to core axis; the calcopyrite	7756	236 PPM	Cu
		is mainly associated with pyrrhotite 17.37 - 17.97	7756	Nil	0.3
		- similar to previous sample; about 2-3% pyrrhotite, pyrite	7756	57PPM	Zn
		and chalcopyrite (trace); foliation 30-70° to core axis			
		17.97 - 18.70	7757	Nil	
		- grey, cherty altered, with bands of epidote and garnet,			
		in mafic-rich, feldspar porphyritic granodiorite; 5cm			
		mafic inclusion in axis of a fold; banding at 45° to			
		80° to core axis; trace pyrite; 18.70 - 19.60	7758	Nil	
19.60	21.80	**Massive, Feldspar Porphyritic Diorite**			
		- upper contact chlorite schist, 1cm thick, at 35° to core axis			
		- lower contact at 63° to core axis, cuts gneissic banding			
		- 5cm inclusion of sulfide-bearing paragneiss at 20.12			
		- 8cm mafic dike at 20.72			
21.80	25.00	**Feldspar Porphyritic, Granodiorite Orthogneiss**			
		- occasional granodiorite intrusive dikes and mafic xenoliths			
		- gneissic banding at 0-80° to core axis			
		- 2cm massive garnet band at 22.90			
25.00	26.60	**Massive, Feldspar Porphyritic Diorite**			
		- contacts at 80° to core axis			

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
		- contains a xenolith of FP Gn in which			
		the feldspars have been reddened			
26.60	31.24	**Feldspar Porphyritic, Granodiorite Orthogneiss and Paragneiss**			
		- irregular banding			
		- occasional dikes of medium grained, massive quartz			
		monzonite			
		- occasional band of amphibolite (biotitic) cut by			
		granitic dikes			
		- 10cm sheared, magnetite, 3%, biotite "hornfels" with			
		1% pyrite streaks at 30.40 at 42° to core axis			
31.24	40.84	**Partially Granitized Meta-Diorite**			
		- irregular fingers of granite			
		- hornfelsic porphyroblasts of biotite, hornblende and			
		feldspar			
		- occasional feldspar prophyritic, granodiorite dike			
		with small mafic xenoliths			
40.84	42.06	**Feldspar Porphyritic Quartz Diorite**			
		- sharp contact below with;			
42.06	75.29	**Feldspar Porphyritic, Gneissic Granodiorite**			
		- scattered sections of reddish K-spar alteration			
		± hematitic staining			
		- hornfelsed mafic xenoliths and associated reddish			
		pegmatite abundant 56.83 - 65.90 and 70.20 - 72.60			
		- weakly sheared at 53° to core axis with chlorite and			
		associated bands of epidote and quartz, calcite and			
		trace pyrite (which post-date the K-spar alteration);			
		73.05 - 74.09	7759	Nil	
End of Hole					

Logged by RVI Hole Number D87-4 Sheet Number 3

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
		SUMMARY			
		The target of this hole was the bedrock source of the IP anomaly missed in hole 3.			
		Hole 4 intersected trace -to- 8% banded pyrite and pyrrhotite and a trace of chalcopyrite from 13.50 - 19.60. This could explain the IP anomaly, but if so, the center of the anomaly is displaced 30 meters too far to the north.			
		The sulfides occur conformably in cherty paragneiss and feldspar porphyritic granodiorite gneiss. They also occur (somewhat more so) in a cleavage foliation that cuts the gneissic bands at a small angle. The cleavage foliation is inferred to be dipping steeply south.			
		The adjacent rocks are mainly feldspar porphyritic, granodiorite gneiss and amphibolite. They become K-spar altered with depth. The sequence is intruded by minor amounts of massive, granitoid dikes and pegmatite which seem to be related to the K-spar alteration event. There are also composite mafic dikes which appear to post-date this event.			

Logged by RVI Hole Number D87-4 Sheet Number 4

DRILL HOLE LOG

DIP TESTS

At 45.7m Ft. -49o
At 91.4m Ft. -49°
At 128.0m Ft. -48°
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Discovery West Corp.
At Grasset Twp., P.Q.
Claim No. 427741.2
Working Place .....
Baseline Footage L31+50E
Baseline Offset 1+50N
Date Started Apr. 5, 1987
Date Completed Apr. 6, 1987

Hole Number D87-5
Dip -48°
Length 128.32m
Bearing 200AZ
Elev. Collar .....
Horiz. Trace .....
Vert. Trace .....
Date Logged April 7, 1987

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
0	16.45	**Overburden**			
16.45	18.00	**Magnetic Greenstone**			
		- about 2% magnetite			
		- weak, chloritic schistosity at 45° to core axis			
		- faint trace pyrite			
18.00	28.24	**Partially Granitized Meta-Diorite**			
		- crossed by many fingers and disseminations of			
		K-spar ± quartz			
		- weak, chloritic schistosity at 40° to core axis at			
		lower contact			
28.24	29.06	**Red Leucogranite**			
		- mottled with unreplaced patches of grey granite			
		- irregular contacts			
29.06	40.90	**Feldspar Porphyritic Granodiorite**			
		- very contaminated with small -to- large xenoliths of			
		fine-grained meta-diorite; pinkish feldspar			
		- 60cm magnetic greenstone at 33.12 and at 38.50			
40.90	43.91	**Meta-Diorite Hornfels**			
		- many dikes of feldspar porphyritic granodiorite,			
		pinkish feldspar			
		- 20cm magnetite and trace pyrite at 41.56			

Logged by R. van Ingen

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY AuPPB	
43.91	60.00	**Magnetic Greenstone**			
		- about 1 to 2% magnetite			
		- rock was probably a basalt flow(s), but if so, the volcanic			
		textures have been destroyed by extensive mottling and			
		indistinct banding of zoisite ± epidote bleaching			
		- superimposed on this texture are occasional amphibolitic			
		bands at 40° to core axis related to the proximity of			
		granitoid dikes (e.g. 25cm at 28.25) and also locally by a			
		cleavage at 80° to core axis 49.8 - 50.1			
		- there was then another episode of propyllitic alteration			
		and veining related to tensional deformation.			
		- very fractured hornfels and red K-spar dikes 52.10 - 53.50	7760	Nil	
60.00	61.70	**Feldspar Porphyritic Granodiorite**			
		- very contaminated; pinkish feldspar			
		- weakly schistose at 60° to core axis			
61.70	66.23	**Magnetic Greenstone**			
		- hornfelsic			
66.23	67.55	**Feldspar Porphyritic Granodiorite**			
		- as before; irregular contacts			
67.55	73.00	**Hornfelsic, Magnetic Greenstone**			
		- grades into			
73.00	74.50	**Magnetic Meta-Diorite Hornfels**			
74.50	76.90	**Pink Pegmatitic Granite**			
		- contacts at 20° to core axis			
76.90	112.10	**Magnetic, Meta-Diorite Hornfels**			
		- note: 79-84 core is jumbled up out of order (it was dropped			
		by accident in the core shack)			
		- occasional pink granitic dikes			

Logged by RVI Hole Number D87-5 Sheet Number 2

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB
		- 22cm light grey quartz vein, fractured in the endomargins		
		and mineralized lightly with green chlorite, calcite and		
		trace disseminated pyrite; contacts at 70° to core axis		
		(compared with local chloritic schistosity at 45° to		
		core axis of the hornfels) 79.80 - 80.40	7761	Nil
		- well-fractured and weak pervasive chloritic alteration		
		97-106		
		- weakly schistose at 70° to core axis, cut by occasional		
		granitic veinlet and amphibolite band at 45° to core axis;		
		which in turn is fractured and mineralized with chlorite,		
		quartz, calcite, epidote, earthy hematite; trace		
		disseminated pyrite 97.33 - 98.03	7762	Nil
		- trace pyrite 110.55 - 110.85, not sampled		
		- sharp contact below with		
112.10	116.23	**Xenolithic, Feldspar Porphyritic, Quartz Diorite**		
		- occasional red, leucogranite dike		
116.23	128.32	**Foliated Contaminated Red Granite**		
		- similar to that of holes 1, 2 and 3		
		- weakly schistose at 50° to core axis		
		- occasional red, leucogranite dike at 20° to core axis		
		(i.e., very gently dipping)		
End of Hole				
		SUMMARY		
		The hole was put down into a local magnetic depression or		
		"saddle" in a magnetic high formational trend. The interpretation		
		for this picture was magnetic greenstones cut by a north/south		
		fault zone.		
		The hole did intersect magnetic greenstones which seemed to		
		grade into magnetic, hornfelsic, meta-diorite with depth. The		
		latter terminates in contaminated, red granite like that of		
		holes 1, 2 and 3.		

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
		The explanation for the magnetic "saddle" may be that more non-magnetic granite occurs on the drill section than on adjacent lines.			
		The only mineralization seen of possible economic interest, is a 22cm wide grey quartz vein with a trace of pyrite (at 80.1m).			

Logged by RVI Hole Number D87-5 Sheet Number 4

DRILL HOLE LOG

DIP TESTS

At 45.7m Ft. -48°
At 91.4m Ft. -48°
At ____ Ft. ____
At ____ Ft. ____
At ____ Ft. ____
At ____ Ft. ____

Property: Discovery West Corp.
At: Grasset Twp., P.Q.
Claim No.: 427738-5
Working Place: ____
Baseline Footage: L25+50E
Baseline Offset: 7+20S
Date Started: Apr. 7, 1987
Date Completed: Apr. 8, 1987

Hole Number: D87-6
Dip: -48°
Length: 106.38m
Bearing: 20° AZ
Elev. Collar: ____
Horiz. Trace: ____
Vert. Trace: ____
Date Logged: April 9, 1987

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB
0	16.57m	**Overburden**		
16.57	106.38	**Contaminated, Magnetic, Red Granite**		
		- weakly schistose and similar to that of holes 1, 2, 3 and 5 except that in this hole the mafic mineral content is slightly less (5-15%) and is distinctly magnetic throughout		
		- trace -to- 1% magnetite is associated with epidote in the chloritic and biotitic amphibole grains and xenolithic clots		
		- relatively little or no magnetite was observed in the patches of reddened, somewhat leucocratic, granite scattered below a depth of 47 meters in the hole.		
		- occasional dikes of red pegmatitic granite occur 43.5 - 49.8 cutting perpendicularly across the foliation and are thus inferred to be flat lying		
		- the foliation is rather variable from 35° to 55° to the core axis as follows: 35°-55° averaging 40° from 17-67, 55° 67-73, 50° 79-85, 45° 85-91, 50° 91-97 and 55° at 105		
		- the main sheared and/or fractured zones are 47-48, 54-63, 71-72 and 102-104 and were sampled as follows:		
		- crushed (faulted?) with chlorite in shears, at about 35° to core axis in non-magnetic granite; bleached with chlorite, calcite, epidote and earthy hematite; later fractures have limonite and calcite in them 47.34 - 47.84	7763	Nil

Logged by R. van Ingen

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
		- slightly sheared, bleached and relatively well-fractured granite (weakly magnetic) with minor chlorite, epidote, quartz, calcite, hematite and limonite in the fractures 70.80 - 71.40	7764	Nil	
		- well fractured with chlorite and epidote at about 45° to core axis and perpendicular to the foliation, in reddened granite; still later fractures (irregular) with calcite, earthy hematite and limonite 103.58 - 104.18	7765	Nil	
End of Hole					
		SUMMARY			
		The hole was directed towards magnetic and IP anomalies inferred to be in volcanics at the contact of the Kitchigama granite pluton.			
		It only encountered magnetic, red granite which was lacking in mineralization indicative of gold deposition.			
		The hole was stopped short of the targets with the intention of moving the drill to a northerly site to better test them. Unfortunately the spring thaw set in suddenly and it was deemed too dangerous to make this move (by DC-6 tractor on the peat bog). Thus the anomalies remain untested.			

Logged by RVI Hole Number D87-6 Sheet Number 2

DRILL HOLE LOG

DIP TESTS

At 45.7m Ft. -47°
At 91.4m Ft. -45°
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Discovery West Corp.
At Grasset Twp., P.Q.
Claim No. 427739-1
Working Place .....
Baseline Footage L28+50E
Baseline Offset 10+45S
Date Started Apr. 8, 1987
Date Completed Apr. 10, 1987

Hole Number D87-7
Dip -48°
Length 117.96m
Bearing 20° AZ
Elev. Collar .....
Horiz. Trace .....
Vert. Trace .....
Date Logged April 11, 1987

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
0	22.55m	**Overburden (includes gravel and boulders)**			
22.55	28.75	**"Syenodiorite"**			
		- medium grained, massive -to- weakly schistose at 55° to core axis except in contact zone described below			
		- 55% euhedral, grey -to- pinkish feldspars; 45% propylitized, interstitial mafic minerals; biotite + amphibole in contact zone			
		- occasional patch of m.g., K-spar-rich "syenite"			
		- numerous calcite + hematite (earthy) + chlorite-filled fractures			
		- hornfelsed contact zone is weakly magnetic, chloritic banded at 15° to core axis; at 28.65 this banding is cut obliquely at 20° to core axis by a K-spar + epidote band, 10cm wide, which further down the hole is cut off acutely by the chilled monzonite (grey, aphanitic, magnetic and with a trace of pyrite);			
		28.25 - 28.95	7766	Nil	
28.75	65.20	**"Monzonite"**			
		- fine -to- medium grained with extensive chilled zones 28.75 - 31.39 and 56.90 - 65.20			
		- massive, reddish green, consisting 65% of euhedral feldspar and 30% interstitial chlorite, several percent magnetite and a good trace disseminated pyrite			
		- the feldspar appears to be entirely K-spar but could include plagioclase dusted with hematite			

Logged by R. van Ingen

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
		- calcite and hematite lined fractures throughout			
		- numerous chlorite-calcite-hematite veinlets often			
		parallel to core axis 35.10 - 35.96	7767	Nil	
		- chlorite-fractured (not hematitic) with a faint trace			
		chalcopyrite 42.65 - 43.25	7768	Nil	
		- with 8cm zone of numerous cacite + hematite veinlets			
		49.70 - 50.30	7769	Nil	
		- well-fractured with calcite, chlorite and hematite			
		51.55 - 55.35	7770	Nil	
		- 60cm chilled monzonite in contact (not actually visible)			
		with meta-diorite hornfels; magnetic; cut by numerous			
		K-spar + amphibole bands at 15°-50° to core axis; both			
		rock types well-fractured with chlorite, calcite and			
		hematite; trace pyrite in monzonite only, however;			
		64.42 - 65.84	7771	Nil	
65.20	111.86	**Magnetic, Blotchy Meta-Diorite**			
		- fine-grained to medium-grained			
		- about 1-2% magnetite decreasing somewhat at depth			
		- massive to blotchy, becoming foliated with depth			
		- appears to be hornfelsed mafic intrusive(s) rather than			
		volcanics because primary textures not visible			
		- the blotchy texture is a pervasive chloritization (not			
		schistose) as mottling and banding; it locally supersedes			
		an early, indistinct schistose foliation			
		- a distinct, schistose foliation starts near a red			
		dike 102.57 - 103.48 and continues with depth at 40°-50°			
		to core axis			
		- note: the 217 ft.marker chip (66.14m) was incorrectly			
		marked "227" and all subsequent markers are also incorrect			
		(10 feet too high); the corrected distances are given here			
		but the markers themselves are unchanged			
		- 7cm white quartz vein (fractured with chlorite and calcite)			
		at 65° to core axis which is perpendicular to a 2cm granitic			
		vein; trace pyrite adjacent to the veins 68.58 - 69.19	7772	Nil	

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
		- bands of epidote - calcite and K-spar-quartz up to 15cm			
		wide at 35°-45° to core axis 75.59 - 76.35	7773	10	
		- fault(?) contact zone of reddish leucogranitoid dike (non-			
		magnetic) with sheared (at 50% to core axis) epidote +			
		garnet + biotite hornfels (above dike) 97.38 - 98.60	7774	Nil	
		- biotitic, weakly magnetic hornfels with a faint trace			
		of chalcopyrite cut by fractures with calcite, often			
		parallel to core axis 98.60 - 99.21	7775	Nil	
		- 15cm fault breccia (at 99.36) made up 95% of angular			
		clasts, - 1cm in width, of greenstones and red alteration,			
		in a calcite + hematite matrix; contacts at 50 ° to core			
		axis; wallrock not magnetic and not sheared; at upper			
		contact wallrock is silicified for 1cm 99.21 - 99.82	7776	Nil	
		- biotitic, non-magnetic, meta-diorite hornfels foliated			
		at 45° to core axis. It is in oblique contact, at 25° to core			
		axis, with medium-grained, pink leucogranite band, 15cm			
		thick. The latter is in sharp contact, at 25° to core axis,			
		with fine grained, flow banded(?) reddish, leucogranite dike			
		containing a small xenolith of the former granite; the rocks			
		are rather well-fractured with calcite and hematite			
		mineralization 102.41 - 103.17	7777	Nil	
111.86	117.96	**Contaminated, Sheared, Reddish Granite**			
		- fault contact at 111.86; core very broken up			
		- siliceous reddish, felsitic "mylonite" well fractured			
		with hematite for 30cm below contact			
		- intense mylonitic crushing and shearing at 65° to 80°			
		to core axis down to 113.1			
		- below this the granite is cut by bands of irregular chloritic			
		schist bands often parallel to core axis; this structure is a			
		stockwork alteration presumed to be pre-faulting in time			
		- the granite consists of anhedral K-spar (65%) and			
		quartz (20%), often blueish, and 5-to-25% chloritic			
		mafic minerals lacking pyrite or magnetite			

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au PPB	
		- mylonitic granitoid in fault contact with non-magnetic,			
		meta-diorite hornfels; much hematite filling late stage			
		fractures 111.56 - 112.47	7778	Nil	
		- chlorite schist stockwork alteration with a trace of			
		pyrite adjacent to a quartz veinlet 3mm thick			
		114.91 - 115.52	7779	Nil	
End of Hole					
		SUMMARY			
		IP and magnetometer anomalies were tested in this hole.			
		The IP anomaly appears to be explained by magnetite (3%)			
		and pyrite (trace-to-½%) uniformly disseminated throughout			
		a "monzonite" intrusive 36 meters wide. Somewhat less			
		magnetite occurs in the hornfelsed, mafic intrusive			
		adjacent to, and north of it, down to a depth of 112 meters			
		in the hole. At this depth the meta-diorite is in fault			
		contact with sheared red granite. There is much fracturing of			
		the rocks and chlorite, calcite and earthy hematite mineralization.			
		The chronological order of events from oldest to youngest is			
		tentatively thought to be: mafic intrusive - volcanics, granite,			
		shearing, syenodiorite, monzonite, normal faulting.			

Logged by RVI Hole Number D87-7 Sheet Number 4

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 66242 **Date:** April 8, 1987

Received April 1, 1987 18 **Samples of** Drill Core

Submitted by Discovery West Corp., Toronto, Ontario. Proj #Grasset

Samples per R. Van Ingen

SAMPLE NO.	GOLD PPB
7701	Nil
7702	Nil
7703	Nil/Nil
7704	Nil
7705	Nil
7706	Nil
7707	Nil
7708	Nil
7709	Nil
7710	30
7711	210/200
7712	Nil
7713	Nil
7714	Nil
7715	Nil
7716	Nil
7717	Nil
7718	Nil

Per G. Lebel - Manager

Member Canadian Testing Association

ESTABLISHED 1928

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 66253 Date: April 9, 1987

Received April 3, 1987 23 Samples of Drill Core

Submitted by Discovery West Corp., Toronto, Ontario.

Samples per Robert Van Ingen

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM
7719	Nil	---	---	---
7720	Nil/Nil	---	---	---
7721	Nil	0.5	486	49
7722	Nil	---	---	---
7723	Nil	---	---	---
7724	Nil	0.4	578	63
7725	Nil	---	---	---
7726	Nil	---	---	---
7727	Nil	0.5	350	57
7728	Nil	---	---	---
7729	Nil	---	---	---
7730	Nil/Nil	---	---	---
7731	Nil	---	---	---
7732	Nil	---	---	---
7733	Nil	---	---	---
7734	Nil	---	---	---
7735	Nil	---	---	---
7736	Nil	---	---	---
7737	Nil	---	---	---
7738	Nil	---	---	---
7739	Nil	---	---	---
7740	Nil/Nil	---	---	---
7741	Nil	---	---	---

NOTE: Arsenic results to follow.

Per G. Lebel - Manager

ESTABLISHED 1928

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 66275 **Date:** April 9, 1987

Received April 6, 1987 9 **Samples of** Split Core

Submitted by Discovery West Corp.,Toronto, Ontario.

Samples per Robert Van Ingen

SAMPLE NO.	GOLD PPB
7742	Nil
7743	Nil
7744	Nil
7745	Nil
7746	Nil
7747	Nil
7748	10/10
7749	10
7750	Nil

Per G. Libal

ESTABLISHED 1928

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 66260 **Date:** April 9, 1987

Received April 6, 1987 9 **Samples of** Drill Core

Submitted by Discovery West Corp., Toronto, Ontario.

samples per: Robert Van Ingen

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM
7751	Nil	---	---	---
7752	Nil	---	---	---
7753	10	---	---	---
7754	Nil	---	---	---
7755	10/Nil	---	---	---
7756	Nil	0.3	236	57
7757	Nil	---	---	---
7758	Nil	---	---	---
7759	Nil	---	---	---

Per G. Lebel - Manager

ESTABLISHED 1928

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 66351 Date: April 22, 1987

Received April 13, 1987 20 Samples of Split Core

Submitted by Discovery West Corp., Toronto, Ontario. Proj. #Grasset

SAMPLE NO.	GOLD PPB
7760	Nil
7761	Nil
7762	Nil
7763	Nil
7764	Nil
7765	Nil/Nil
7766	Nil
7767	Nil
7768	Nil
7769	Nil
7770	Nil
7771	Nil
7772	Nil
7773	10/Nil
7774	Nil
7775	Nil
7776	Nil
7777	Nil
7778	Nil
7779	Nil

Per G. Lebel - Manager

ESTABLISHED 1928