

GM 45064

DRILL HOLE LOG, DISCOVERY WEST CORP PROPERTY

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Énergie et Ressources
naturelles

Québec 

DRILL HOLE LOG

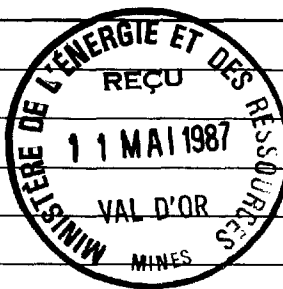
DIP TESTS

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

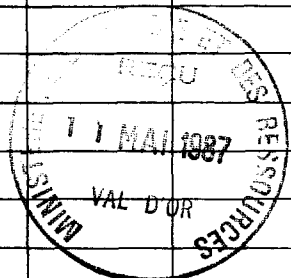
Property Discovery West Corp.
 At Grasset Twp., P.Q.
 Claim No. 427729-3
 Working Place
 Baseline Footage L1+50E
 Baseline Offset 3+25N
 Date Started Mar. 26, 1987
 Date Completed Mar. 28, 1987

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 |

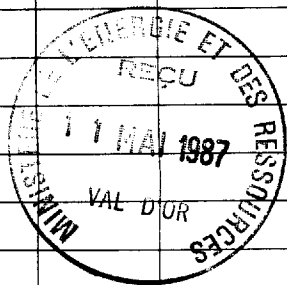


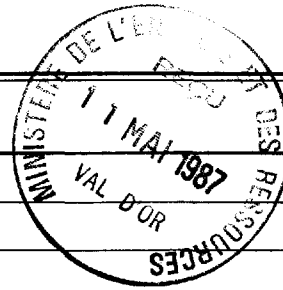
Ministère de l'Énergie et des Ressources
 Service de l'Information
 14 SEP. 1987
 Date: _____
 No. G.M.: **45064**



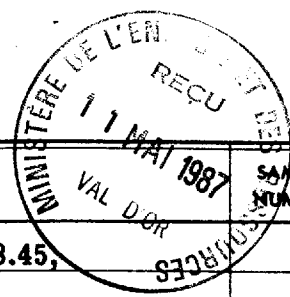
Logged by R. van Ingen

| 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 | | | |





| 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 vestigial 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

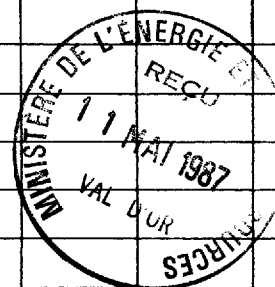
DIP TESTS

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

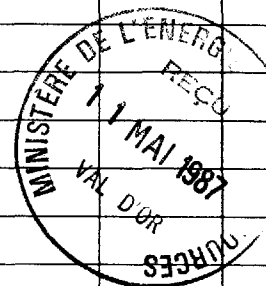
Hole Number D87-2
 Dip..... -47°
 Length..... 178.61m
 Bearing..... 20° AZ
 Elev. Collar.....
 Horiz. Trace.....
 Vert. Trace.....
 Date Logged April 1, 1987

| 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 disintegration 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 | Ag PPF |
| 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 - contacts at 45° to core axis | 7719 | Nil | |
| 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 (1/2%) bordered by conformable siliceous, paragneiss foliated at 60° to core axis 57.60 - 58.22 - 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 chalcopyrite 58.22 - 59.28 - siliceous "felsite", minor paragneiss and amphibolite bands; good trace of disseminated pyrite 59.28 - 60.40 - 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 - 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 epidote and chlorite 61.32 - 62.25 - 30cm of thin, indistinctly banded, tightly folded (at 50° to core axis), magnetite (60%) changing sharply below to | 7720 7721 7721 7721 7722 7723 7724 7724 7724 | Nil 486 PPM Nil 49 PPM Nil Nil 578 PPM Nil 63 PPM | Cu 0.5 Zn Cu 0.4 Zn |



| FROM | TO | DESCRIPTION | SAMPLE NUMBER | ASSAY | | |
|-------|-------|---|---------------|--------|---------|-----|
| | | | | Au PPB | 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 | 71.01 - 72.00 | 7727 | 350 PPM | Cu |
| | | mainly | 71.01 - 72.00 | 7727 | Nil | 0.5 |
| | | - weakly foliated pink -to- grey biotite (15%) granite with trace disseminated pyrite; includes 10cm band of paragneiss at | 72.00 - 73.21 | 7728 | Nil | |
| | | 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 | | | |

DRILL HOLE LOG

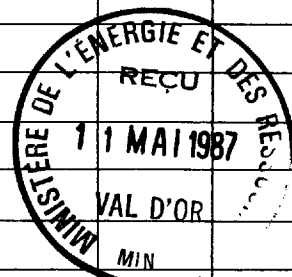
DIP TESTS

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

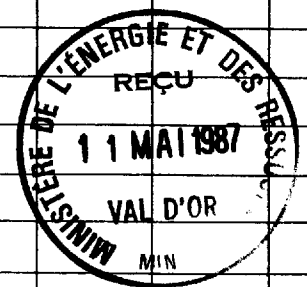
| FROM | TO | DESCRIPTION | SAMPLE NUMBER | ASSAY | | |
|--------|--------|--|-----------------|-------|-----|--|
| | | | | Au | PPB | |
| | | - as before but trace pyrite + chlorite + calcite in fractures at 5° to core axis | 57.46 - 58.06 | 7743 | Nil | |
| | | - grey -to- pink, medium -to- coarse 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. | | | |
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DRILL HOLE LOG

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|---------------------------------|--------------------------------------|---|
| DIP TESTS | Property <u>Discovery West Corp.</u> | Hole Number D87-4 |
| At <u>47.7m</u> Ft. <u>-50°</u> | At <u>Grasset Twp., P.Q.</u> | Dip <u>-48°</u> |
| At Ft. | Claim No. <u>427736-3</u> | Length <u>75.29</u> |
| At Ft. | Working Place | Bearing <u>20° AZ</u> |
| At Ft. | Baseline Footage <u>L19+50E</u> | Elev. Collar |
| At Ft. | Baseline Offset <u>1+85N</u> | Horiz. Trace |
| At Ft. | Date Started <u>Apr. 3, 1987</u> | Vert. Trace |
| | Date Completed <u>Apr. 4, 1987</u> | Date Logged <u>April 5, 1987</u> |

| 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 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 [±] pyrite, trace magnetite and trace chalcopyrite including a 4cm band of massive pyrrhotite with porphyroblasts of pyrite at 80° to core axis; the calcopyrite is mainly associated with pyrrhotite | 17.37 - 17.97 | 7756 | 236 PPM Cu | 0.3 |
| | | - similar to previous sample; about 2-3% pyrrhotite, pyrite and chalcopyrite (trace); foliation 30-70° to core axis | 17.97 - 18.70 | 7756 | 57PPM | Zn |
| | | - 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 porphyritic, 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 | | | | | |

| 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. | | | |
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DRILL HOLE LOG

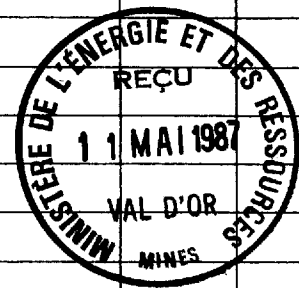
DIP TESTS

At 45.7m Ft. -49°
 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.....20°AZ.....
 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 | |
|-------|--------|--|---------------|-------|--|
| | | | | AsPPR | |
| 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 \pm 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 propylitic 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 | | | |

| 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). | | | |
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DRILL HOLE LOG

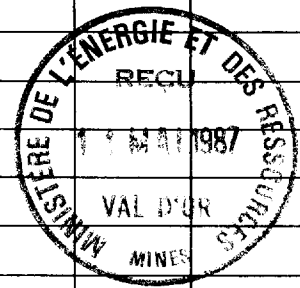
DIP TESTS

At 45.7m Ft. -48°
 At 91.4m Ft. -48°
 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. | | | |
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DRILL HOLE LOG

| | | |
|---------------------------------|--------------------------------------|---|
| DIP TESTS | Property <u>Discovery West Corp.</u> | Hole Number D87-7 |
| At <u>45.7m</u> Ft. <u>-47°</u> | At <u>Grasset Twp., P.Q.</u> | Dip <u>-48°</u> |
| At <u>91.4m</u> Ft. <u>-45°</u> | Claim No. <u>427739-1</u> | Length <u>117.96m</u> |
| At Ft. | Working Place | Bearing <u>20° AZ</u> |
| At Ft. | Baseline Footage <u>L28+50E</u> | Elev. Collar |
| At Ft. | Baseline Offset <u>10+45S</u> | Horiz. Trace |
| At Ft. | Date Started <u>Apr. 8, 1987</u> | Vert. Trace |
| | Date Completed <u>Apr. 10, 1987</u> | Date Logged <u>April 11, 1987</u> |

| 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 calcite + 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- $\frac{1}{2}$ %) 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. | | | | | |



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Certificate of Analysis

Certificate No. 66242

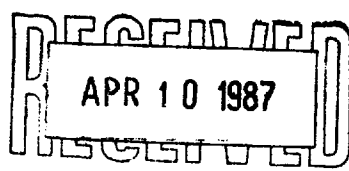
Date: April 8, 1987

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
G. Lebel - Manager



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Certificate of Analysis

Certificate No. 66253

Date: April 9, 1987

Received April 3, 1987 23 Samples of Drill Core

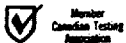
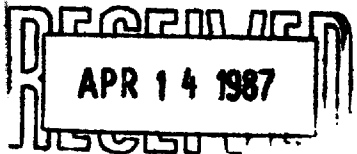
Submitted by Discovery West Corp., Toronto, Ontario.

Samples per Robert Van Ingen

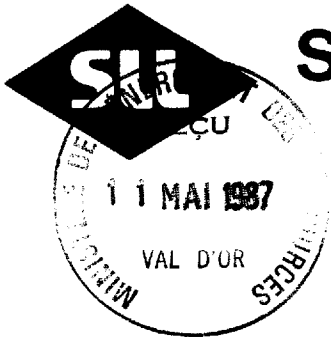
| SAMPLE NO. | GOLD PPB | SILVER PPM | COPPER PPM | ZINC PPM |
|------------|-------------|---------------|---------------|-------------|
| 7719 | Nil | --- | --- | --- |
| 7720 | Nil/Nil | --- | --- | --- |
| 7721 | Nil | 0.5 | 486 | 49 |
| 7722 | Nil | --- | --- | --- |
| 7723 | Nil | --- | --- | --- |
| 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
G. Lebel - Manager



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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

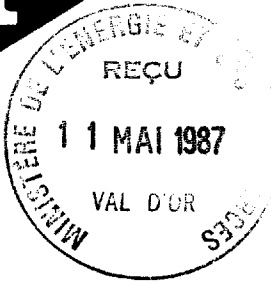


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Certificate of Analysis

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



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Certificate of Analysis

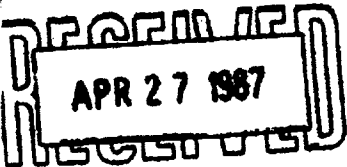
Certificate No. 66351

Date: April 22, 1987

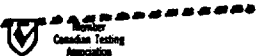
Received April 13, 1987 20 Samples of Split Core

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
G. Lebel - Manager



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