

**Geological Survey Branch**  
**Assessment Report Indexing System**



[ARIS11A]

**ARIS Summary Report**

Regional Geologist, Cranbrook

**Date Approved:** 2005.07.27

**Off Confidential:** 2005.11.29

**ASSESSMENT REPORT:** 27686

**Mining Division(s):** Fort Steele

**Property Name:** MW

**Location:**  
**NAD 27**    **Latitude:** 49 39 08    **Longitude:** 115 50 41    **UTM:** 11 5500386 583393  
**NAD 83**    **Latitude:** 49 39 08    **Longitude:** 115 50 45    **UTM:** 11 5500604 583310  
**NTS:**        082G12W  
**BCGS:**        082G061

**Camp:** 001    Purcell Belt (Sullivan)

**Claim(s):**        MW 5, MW 32

**Operator(s):**    Sedex Mining Corp.  
**Author(s):**        Kiewchuk, Peter

**Report Year:**    2005

**No. of Pages:**    35 Pages

**Commodities Searched For:**

**General Work Categories:**    DRIL, GEOC

**Work Done:**  
     Drilling  
         DIAD Diamond surface        (6 hole(s);NQ) (452.3 m)  
     Geochemical  
         SAMP Sampling/assaying        (56 sample(s);)  
         Elements Analyzed For :    Multielement

**Keywords:**        Helikian, Aldridge Formation, Quartzites, Siltstones, Argillites, Breccias

**Statement Nos.:**    3221032

**MINFILE Nos.:**    082GNW075

**Related Reports:**    02555, 05217, 05638, 05967, 06312, 16689, 22732, 24769, 26506, 27345

ASSESSMENT REPORT  
on  
DIAMOND DRILLING

**RECEIVED**  
MAR 22 2005  
Gold Commissioner's Office  
VANCOUVER, B.C.

MW PROPERTY

Fort Steele Mining Division

Wycliffe area, SE B.C.

UTM 584000E 5501000N

TRIM 82G.061, 062, 071 & 072

For

SEDEX MINING CORP  
711 - 675 West Hastings Street  
Vancouver, B.C.  
VGB 1N2

GENERAL SURVEY BRANCH  
ASSESSMENT REPORT

27,686

By

Peter Klewchuk, P. Geo.  
February, 2005

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## 1.00 INTRODUCTION

### 1.10 Location and Access

The MW claims are located in southeastern British Columbia on the western edge of the Rocky Mountain Trench with the property centered approximately 10 km ESE of Kimberley and near UTM coords. 584000E, 5501000N (Fig. 1).

Highway 95A bounds most of the claim block to the north (east of Kimberley) and to the south (SE of Kimberley). Numerous secondary roads cross the property and provide excellent road access.

### 1.20 Property

The MW property includes 206 claim units in 78 2- and 4-post mineral claims; MW 1-47, MW 50-71, MW 80 and MW 85-92 (Fig. 2). The claims are owned by Super Group Holdings Ltd. of Cranbrook, B.C. and Sedex Mining Corp. of Vancouver, B.C.

### 1.30 Physiography

The MW claims are situated along the western margin of the Rocky Mountain Trench, just north of the St. Mary River. Topography on the claim block is subdued and bedrock exposures are sparse (<1 %), although enough bedrock exists to demonstrate that only a thin veneer of glacial debris covers most of the claim area (compared to at least 600 meters of glacial debris cover locally on the east side of the Rocky Mountain Trench). Elevations range from about 870 to 970 meters. Vegetation reflects the low elevation and relatively dry climate and consists of grasslands, shrubs and sparse Yellow Pine, Douglas Fir and aspen. A few bedrock exposures are present above the widespread blanket of glacial overburden and in the post-glacial stream channels.

### 1.40 History

The MW claims cover a large block of ground not far southeast of the former producing world class Sullivan zinc-lead-silver deposit which was located just north of Kimberley. The property is also on the northwest flank of a very large aeromagnetic anomaly associated with a Cretaceous felsic (granodiorite to quartz monzonite) intrusion. Thus the MW property has potential for a Precambrian base metal deposit as well as a Cretaceous gold deposit. Previous exploration on what is now the MW property was for both base metal and gold mineralization.

Cominco has long held ground over what are now the MW claims as the eastern part of their large Sullivan Mine claim block. Their work included geologic mapping and small ground geophysics programs (eg. AR 2555). In the mid 1970's Esso Minerals controlled a large block of claims in the area. They conducted ground geophysical surveys and drilled a number of holes

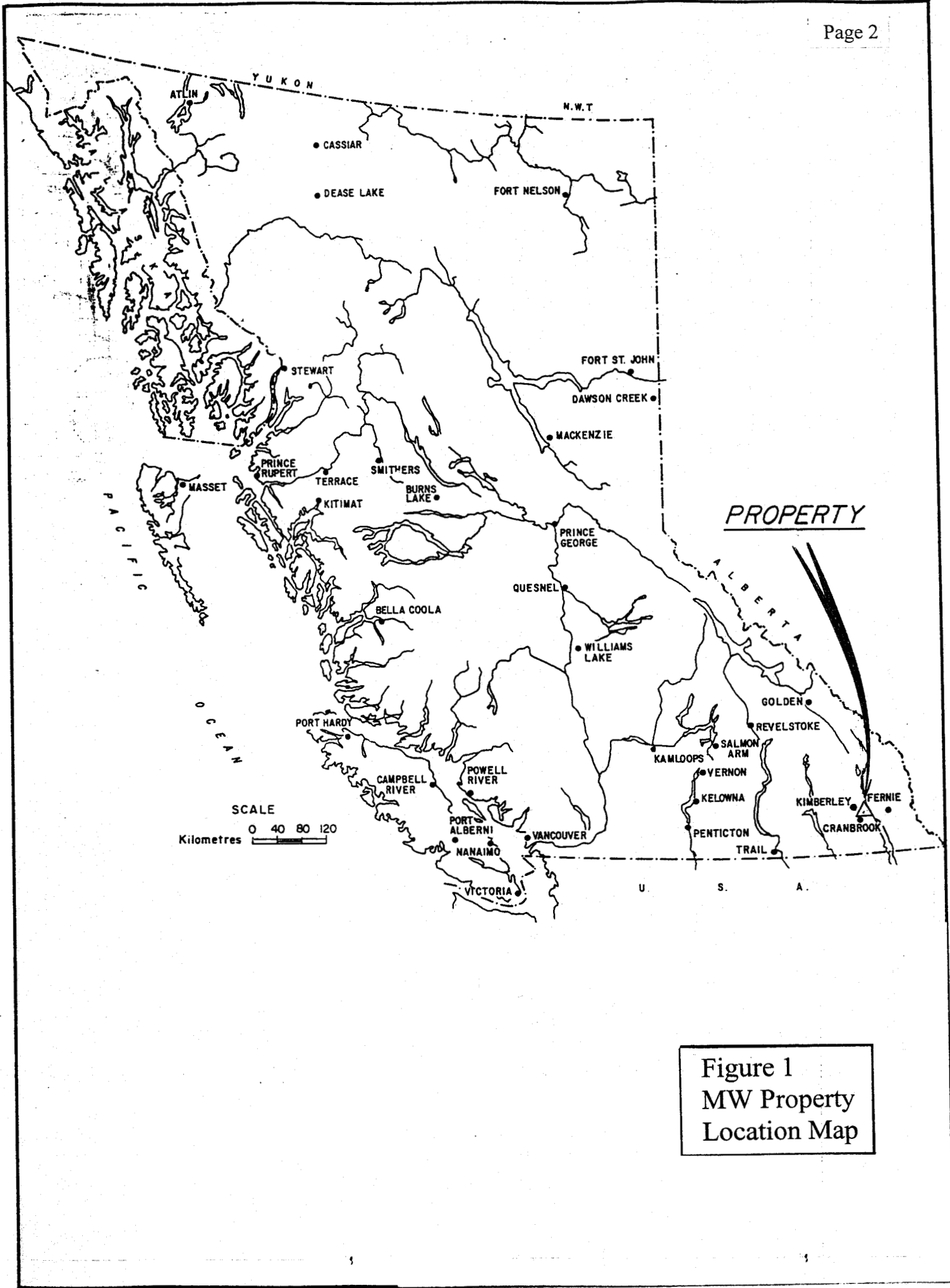


Figure 1  
MW Property  
Location Map

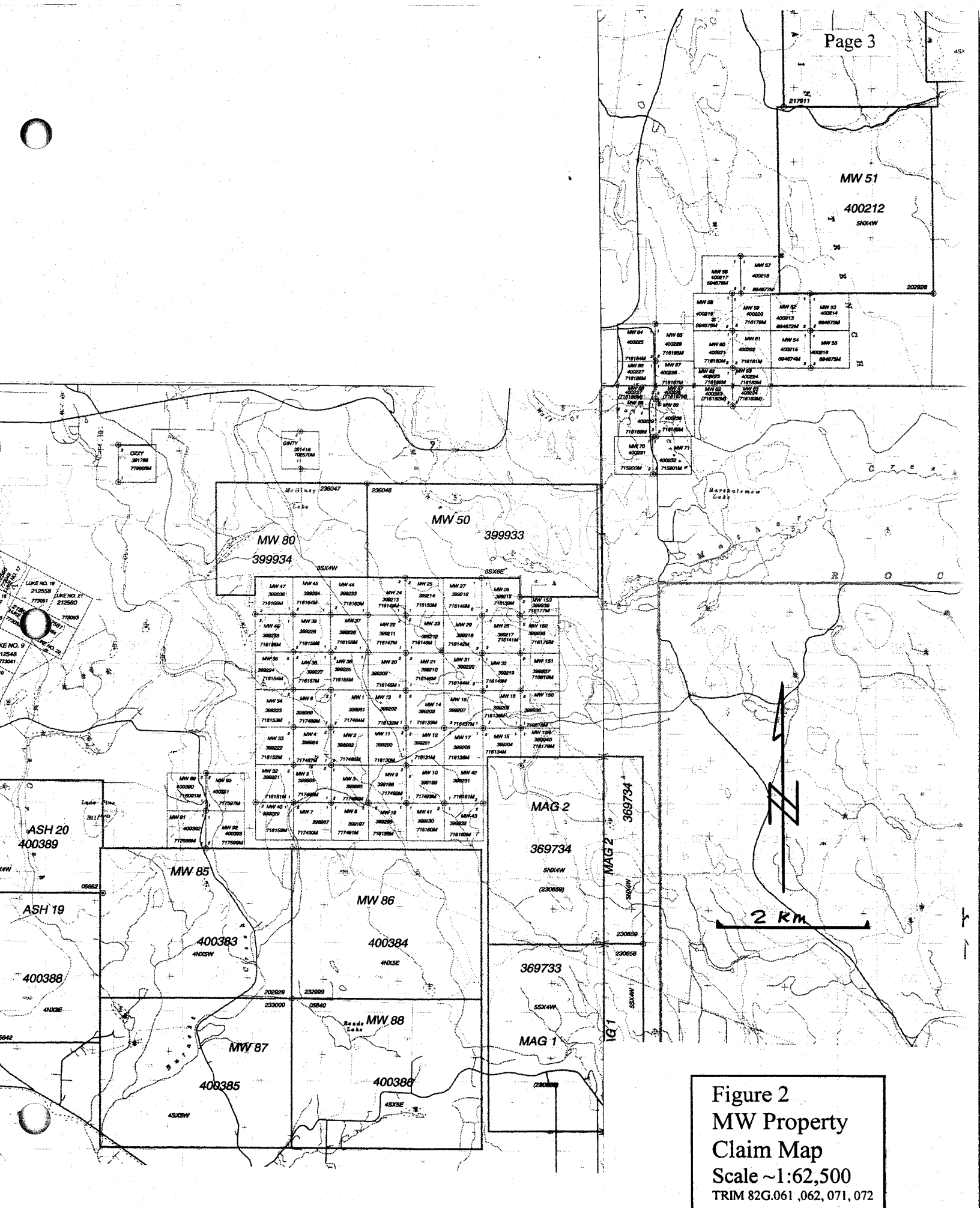


Figure 2  
 MW Property  
 Claim Map  
 Scale ~1:62,500  
 TRIM 82G.061, 062, 071, 072

searching for base metals (eg. AR's 05217, 05638, 05967, 06312 ). In the mid to late 1980's Normine Resources Ltd. controlled ground in the NE portion of the present MW claims. They did ground geophysics and diamond drilling searching for base metals. Some of their drilling intersected anomalous gold mineralization. Also in the mid to late 1980's Victoria Resource Corporation held ground in the present SE MW claim block area; their work included ground geophysics, soil and rock geochemistry and diamond drilling in a search for gold mineralization associated with the Cretaceous felsic intrusions (eg. AR's 16689, 22732).

In 1996 Sedex Mining Corp drilled one hole to follow up on the anomalous gold mineralization first encountered by Normine Resources Ltd. on what is now the NE portion of the MW claims (AR 24769). The most recent exploration work in the area was a diamond drilling program by Pathfinder Resources Ltd. on the MAG claims which are immediately east of the MW claims (Peters, 2001, AR 26506).

Prospecting by C. Kennedy of Super Group Holdings Ltd. during the autumn of 2002 discovered significant gold mineralization in sparse bedrock exposures and led to staking of the MW claims. Subsequent preliminary evaluation of the property has included further rock geochemistry, soil geochemistry, geologic mapping, VLF-EM geophysical surveying and trenching (Klewchuk, 2004)

### **1.50 Scope of Present Program**

In April and May of 2004 a 6 hole NQ diamond drill program totaling 452.3 meters tested an area on the MW claims where previous prospecting and trenching had identified multi-gram gold associated with quartz veining in silicic and argillic -altered Middle Aldridge Formation rocks.

## **2.00 GEOLOGY**

The MW claim area is underlain by mesoproterozoic Purcell Supergroup rocks of the Aldridge, Creston and Kitchener Formations as well as overlying Cambrian Eager Formation. These are all mainly fine-grained clastic and carbonate lithologies and include quartzites, siltstones, argillites and dolomitic and calcareous siltstones. The Aldridge Formation is intruded by gabbroic composition Moyie sills and dikes and all units are intruded by Cretaceous granodiorite to monzonite felsic intrusions.

The MW property is situated within the Rocky Mountain Trench just west of a very large aeromagnetic anomaly and also covers parts of two major east-west faults, the St Mary and Kimberley Faults.

The claims are within an area of structural complexity with numerous fault-bounded blocks and significant rotation of some individual fault blocks. The level of structural deformation is greater on the MW property than in most adjacent areas. This can be attributed to a zone of intersection between strong northeast structure coinciding with the 'Kanasewich rift' (Kanasewich, 1968, Kanasewich et al, 1969) and a northwest-oriented flexure in the Rocky Mountain Trench.

Prospecting and rock geochemistry completed by Craig Kennedy in the fall of 2002 identified a number of previously unknown sites of anomalous gold mineralization. Gold occurs with narrow quartz veins, within northeast fault zones and within one larger zone of strong limonitic/manganese and siliceous alteration. Anomalous gold is hosted by different stratigraphic units on the property including Middle Aldridge Formation, Aldridge - Creston transition and Creston Formation.

Gold values from the original sampling on the property range up to 10,660 ppb and significantly anomalous values obtained to date range over an area of 3 km by 2 km. Stronger gold values commonly are associated with elevated copper, lead, silver and zinc values (see Klewchuk, 2004).

### **3.00 DIAMOND DRILLING**

In April and May of 2004, 6 NQ diamond drill holes totaling 452.3 meters, tested an area on the MW claims where previous prospecting, rock geochemistry and trenching had identified significantly anomalous gold in bedrock, associated with a quartz vein breccia system and within a broader zone of argillic, pyritic and silicic alteration (Fig. 3).

Trenching established rather widespread brecciation within the alteration zone but no distinctive structure was identified in the area of strongest gold mineralization. In other trenching done in 2003 (see Klewchuk, 2004), strong-looking northeast-trending fault structures, with minor pyrite and argillic alteration, carried only weak gold where they were sampled. Thus part of the drilling objective was to locate a distinct structure (or structures) that could be related to the gold mineralization.



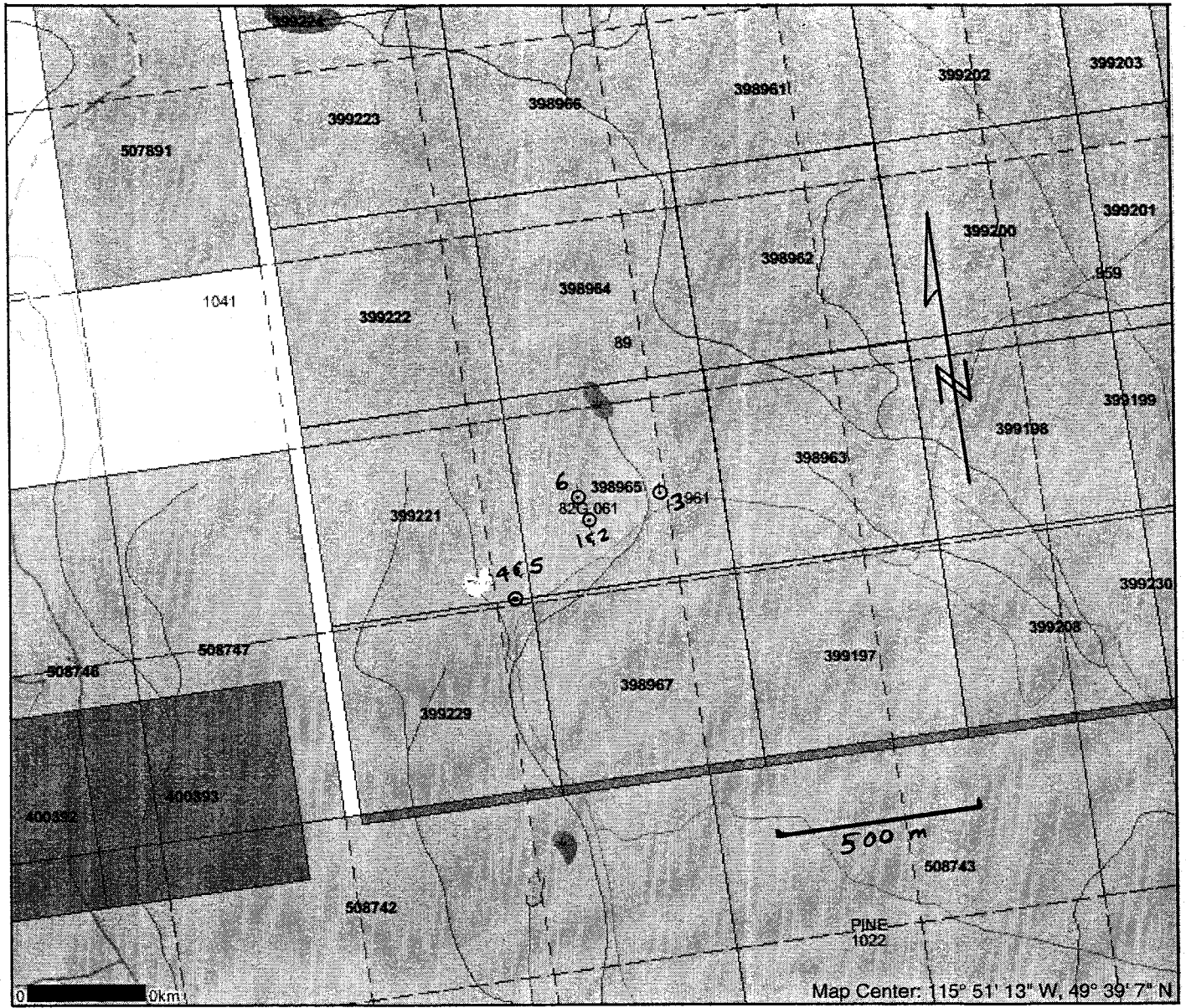


Figure 3  
MW Property  
Detailed Claim Map  
Showing Location of DDH  
Scale: As shown

NW

SE

MW-04-6  
CASING

S, m Q, mA

Bx

MW-04-2  
CASING

Bx A

MW-04-1  
CASING

Bx A

Bx A

135 ppb Av

S, m Q, A

Bx

Bx S, A, Q

437 ppb Av

15% Av 390 ppb Av

ALT, Bx, A, m S

ALT, Bx S, Q, A

GREEN DIKE

S, mA

S, A

63.1m

WIDESPREAD Bx

A, m S

A, S, Bx

S, mA

122 ppb Av

A, m S

S, Q, mA

Bx

Q, S

75.8m

COMPLEX Bx

S, Q, A

143 ppb Av

Q, m S, A

108.8m

- Q = QUARTZITE
- S = SILTSTONE
- A = ARGILLITE
- m = MINOR
- Bx = BRECCIA
- ALT = ALTERED
- QV = QUARTZ VEINS

Figure 4  
DDH Cross Section  
Holes MW-04-1, 2 & 6  
Scale 1:500  
For location see Fig. 3

Details of the drilling are:

DDH	GPS Coords		Azimuth	Dip	Length	Start	End
	N	E					
MW-04-1	5500611	582724	-	-90	63.1m	04-04-26	04-04-27
MW-04-2	5500611	582724	322	-45	108.8m	04-04-27	04-04-28
MW-04-3	5500691	582859	324	-45	124.7m	04-04-28	04-04-29
MW-04-4	5500456	582501	320	-45	50.3m	04-04-29	04-04-30
MW-04-5	5500454	582501	-	-90	29.6m	04-04-30	04-04-30
MW-04-6	5500675	582703	153	-45	<u>75.8m</u> 452.3m	04-04-30	04-05-01

The collar sites of drill holes are shown in Figure 3; Figures 4 to 6 are cross-sections of the drill holes; drill logs are provided as Appendix 1 and gold analyses of selected core are provided in the drill logs and in Appendix 2. Selected drill core for sampling was split or cut with a rock saw, half was retained and half was shipped to Acme Analytical Laboratories Ltd. at 852 East Hastings Street, Vancouver, B.C. The drill core samples were analyzed for a 30 element ICP package and geochemical gold by standard analytical techniques, with gold reported in ppb. Complete geochemical analyses are provided in Appendix 2. Core is stored at Vine properties on Hidden Valley Road north of Moyie Lake.

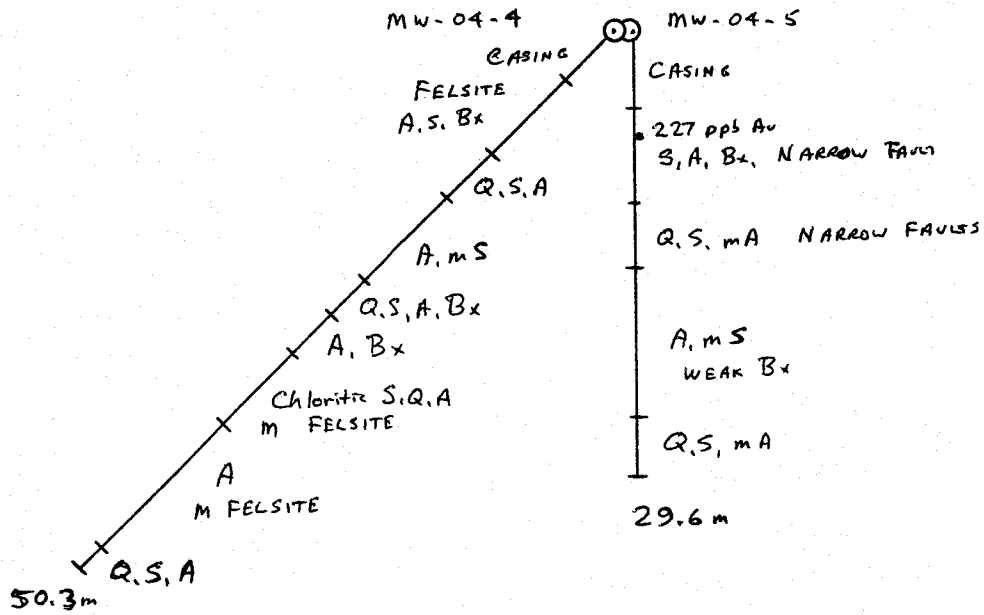
Drilling in the vicinity of higher gold values trenched in 2003 (DDH MW-04-1, 2 & 6; Figs. 3 & 4) encountered widespread brecciation and alteration, minor quartz veining and significantly anomalous gold but did not detect multi-gram gold values comparable to the trenching results. This drilling also did not define any specific structures that might be controlling features of the mineralization. Anomalous gold was detected in each of the drill holes, associated with quartz veining, pyrite and locally vivianite. The presence of vivianite [ $\text{Fe}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$ ] tends to confirm the hydrous, clay-rich environment of deposition.

Bedrock encountered in holes 1, 2 & 6 tends to be of fine-grained and thinner bedded argillites and siltstones, with only minor more brittle quartzites. Quartzites and more massive siltstones are perceived as more favorable host lithologies for structurally-controlled gold mineralization due to their more brittle reaction to tectonic stresses.

Thus drill holes MW-04-4 & 5 were located WSW of holes 1, 2 and 6, on strike of inferred structural control, and tested an area where more quartzitic lithologies are present (Figs. 3 & 5). Extensive brecciation was encountered, in association with argillic-altered, irregularly-developed felsite dike intrusions. The closest known exposed apophysis of the 'Reade Lake Stock' (of granodiorite to quartz monzonite composition) is about 4500 meters to the south. The highest gold values encountered in these two drill holes is 277 ppb in a narrow argillic-altered fault zone with minor quartz veining.

NW

SE

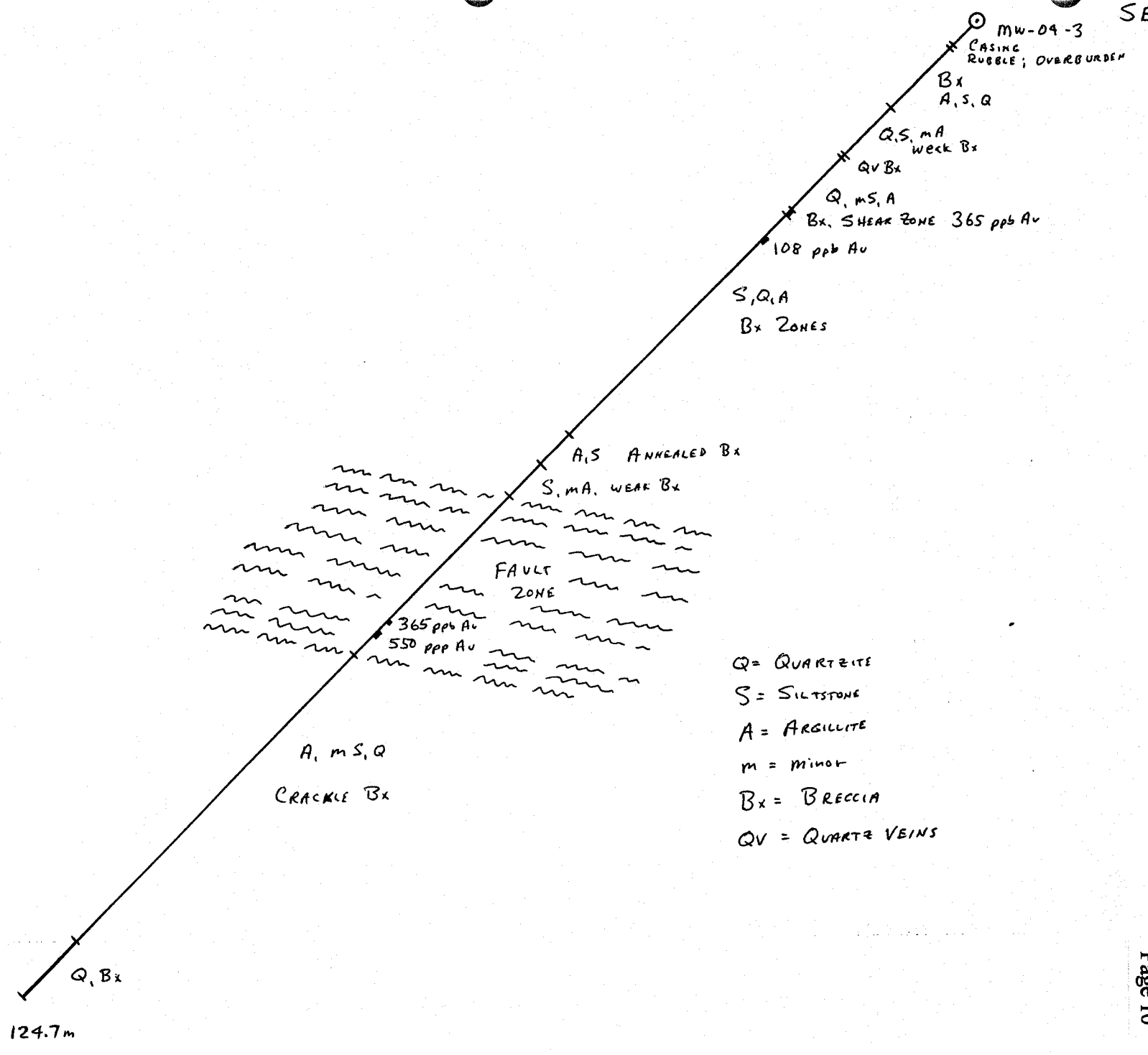


Q = QUARTZITE  
S = SILTSTONE  
A = ARGILLITE  
Bx = BRECCIA  
M = MINOR

Figure 5  
DDH Cross Section  
Holes MW-04-4 & 5  
Scale 1:500  
For location see Fig. 3

NW

SE



- Q = QUARTZITE
- S = SILTSTONE
- A = ARGILLITE
- m = MINOR
- Bx = BRECCIA
- QV = QUARTZ VEINS

Figure 6  
 DDH Cross Section  
 Hole MW-04-3  
 Scale 1:500  
 For location see Fig. 3

DDH MW-04-3 was drilled northeast of holes 1, 2 & 6 (Fig. 3), to test an ENE-striking, moderately SE dipping fault zone that is coincident with one of a number of ENE-trending VLF-EM anomalies detailed in 2003 (Klewchuk, 2004). The drill hole encountered similar widespread brecciation (Fig.6), with evidence of multiple phases of deformation. Higher gold values locally occur with base metals (PbS, ZnS and Cpy) in quartz veining. The highest gold value of the drill program, 550 ppb, was encountered in this hole.

Brecciation in the area of drilling appears complex. No obvious structural patterns were recognized in the earlier trenching programs except where more obvious faults were encountered and results for drilling are similar. Some fractures are bedding-sub-parallel, some are close to flat. Re-orienting core to local bedding attitudes shows some of the fabric to be NNE or NE - striking and steeply west-dipping, which is a common district pattern.

Brecciation in the drill holes commonly includes matrix veins of a very dark green to black clay material that looks much like chlorite on a fresh surface but desiccates on exposure to air. Previous trenching encountered similar (oxidized) veins that were thought to be manganese-rich. Weathering of the clay matrix results in a rusty, brownish-black limonite material and the clay probably carries manganese.

#### **4.00 CONCLUSIONS**

Drilling on the MW claims in 2004 encountered widespread anomalous gold mineralization associated with complex structural deformation. The observed brecciation may be part of a very large system that could extend beyond the limits of the MW claim block. Gold mineralization is present with quartz veining, pyrite and argillic alteration within the breccia system. Gold is locally concentrated in argillic-altered fault zones and can be associated with base metal sulfides including galena, sphalerite and chalcopyrite. The rare hydrous ferrous phosphate vivianite was encountered in some of the drill holes and its known association with some ore deposits is considered a positive factor for continuing exploration of the property.

Future exploration on the MW claims should focus on favorable large structures which may have served as the main conduits for gold transport prior to deposition.

## 5.00 REFERENCES

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- Simpson, J.W., 1976, Diamond drilling report on the Kim 53 claim, Lone Pine Hill area, BCMEMPR AR 05967.
- Simpson, J.W., 1975, Diamond drilling report on the Kim 53 claim, Kimberley area, BCMEMPR AR 06312.

**6.00 STATEMENT OF COSTS**

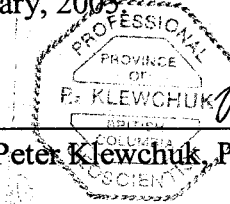
Geologist (PK) field work, drill supervision, core logging	\$5337.74
Report 3 days @ \$350	1050.00
Diamond Drilling (Beaupre Diamond Drilling Ltd.)	34,134.24
Drill core geochemical analyses (Acme Analytical Labs)	4444.90
Core sampling (B. Collison) 3 days @ \$150.00/day	450.00
Vine office (field core facility) 10 days @ \$45/day	450.00
Field and report supplies	131.00
Core storage rack	700.00
<b>Total Expenditure</b>	<b>\$46,697.88</b>

**7.00 AUTHOR'S QUALIFICATIONS**

As author of this report I, Peter Klewchuk, certify that:

1. I am an independent consulting geologist with offices at 246 Moyie Street, Kimberley, B.C.
2. I am a graduate geologist with a B.Sc. degree (1969) from the University of British Columbia and an M.Sc. degree (1972) from the University of Calgary.
3. I am a Fellow of the Geological Association of Canada and a member of the Association of Professional Engineers and Geoscientists of British Columbia.
4. I have been actively involved in mining and exploration geology, primarily in the province of British Columbia, for the past 29 years.
5. I have been employed by major mining companies and provincial government geological departments.

Dated at Kimberley, British Columbia, this 28<sup>th</sup> day of February, 2005.


  
 Peter Klewchuk, P. Geo.



## Drill Hole Record

<b>Hole No.:</b>	MW-04-1	<b>Property:</b>	MW
<b>Commenced:</b>	April 26, 2004	<b>Owner:</b>	Supergroup Holdings Ltd
<b>Completed:</b>	April 27, 2004	<b>Location:</b>	MW <u>5</u> Mineral Claim
<b>Coordinates:</b>	582724E 550611N	<b>Contractor:</b>	Beaupre Diamond Drilling Ltd.
<b>Core Size:</b>	NQ	<b>Total Length:</b>	63.1m
<b>Azimuth:</b>	-	<b>Logged by:</b>	P. Klewchuk
<b>Collar Dip:</b>	-90 <sup>0</sup>	<b>Date:</b>	April 28, 2004
<b>Objective:</b>	Test mineralized breccia zone.		

Meters	Description
--------	-------------

0-5.2	Casing, No core.
-------	------------------

5.2-10.3	<p><b>BRECCIATED ARGILLITE</b>            Light, medium and darker blue-gray. Recognizable bedding is thin bedded and laminated, at ~20<sup>0</sup> to core axis (c/a). Extensively brecciated; most sedimentary fabric destroyed. Individual limonitic shear zones at 25-50<sup>0</sup> to c/a. A few thin, limonitic, irregular QV are present. Numerous red-brown limonitic fractures and matrix to breccia clasts.</p>
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Sampling	8401	8.2-9.4m (1.2m)	10 ppb Au
	8402	9.4-10.0m (0.6m)	117 ppb Au

10.3-17.5	<p><b>SILTSTONE, minor ARGILLITE &amp; QUARTZITE; BRECCIA</b>            Medium gray, slightly greenish siltstones are fairly massive except for brecciation. Narrow thin bedded and laminated argillite bands are blue-gray. Bedding is at ~65<sup>0</sup> to c/a but most bedding is breccia-disrupted. Breccia appears to be of different ages; old brecciation is well healed; argillites are typically broken up, locally along fractures ~45<sup>0</sup> to c/a, with mm to cm scale offset. This may be a large scale breccia, extending down at least to 39m, and could be related to an old fault. A crackle type breccia occurs through much of the siltstone (no consistent fabric) with veinlets of dark green to black mineral (chlorite? Mn?) With small spots of bright yellow-orange "hematite-limonite". A third type of brecciation is with a limonite or pyrite matrix. These zones are sheared or brecciated, at ~80<sup>0</sup> to c/a (i.e. relatively flat)</p>
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Sampling	8403	11.85-12.6 (0.75m)	135 ppb Au.
	8404	14.8-14.93 (0.13m)	9 ppb Au.

- 17.15-22.0 BRECCIATED SILTSTONE, ARGILLITE & QUARTZITE  
Mixture of lithologies, complexly brecciated; evidently more than one phase. Most healed breccia fractures are unaltered; a few are brownish limonitic from weathered fine-grained pyrite or yellow-brown sericite. Small patches of yellow-brown sericite are common near a few 'limonitic' fractures. Some limonitic fractures would dip steeply west with ENE strike/SE dip to bedding. Bedding at  $\sim 60^\circ$  to c/a. At 20.8m a narrow 10mm wide QV at  $\sim 50^\circ$  to c/a is bedding sub-//, carries angular clots of black (dark green) chlorite and small patches of blue vivianite.  
Sample 8405 20.4-21.1 (0.7m) 433 ppb Au
- 22.0-22.7 QUARTZ VEINING, SILTSTONE & ARGILLITE  
Mixed lithologies, thin beds at  $45-60^\circ$  to c/a. About 15% of the interval is QV, up to  $\sim 12$ cm thick, sub-// to bedding at  $45-60^\circ$  to c/a. QV have dark green-black chlorite margins and inclusions. Three narrow chlorite-quartz veins at  $\sim 45^\circ$  to c/a at 22.60m have patches of blue vivianite. Small irregular brownish limonite patches occur throughout.  
Sample 8406 22.0-22.7 (0.7m) 390 ppb Au
- 22.7-37.45 ALTERED, BRECCIATED ARGILLITE, minor SILTSTONE  
Medium gray to lighter shades of blue-gray, mottled throughout from sericite alteration. Bedding is commonly at  $55-70^\circ$  to c/a. Weak to moderate brecciation occurs throughout. Fractures are typically healed, weakly limonitic. At 23.8m 10cm of core is  $\sim 60\%$  bedding-sub-//. QV similar to 22.0-22.7m. At 25m a brownish wavy fracture (weathered chlorite / clay) at  $25^\circ$  to c/a cuts bedding at  $\sim 90^\circ$  and could be a west-dipping fracture. Sericitic (?) alteration produces irregular bleached (pale gray-green) patches throughout but is most strongly developed from 26.85 to 27.6m where fracturing is also more intense and core is locally porous from argillic alteration.  
Sample 8407 26.85-27.6 (0.75m) 13 ppb Au
- 37.45-43.7 ALTERED SILTSTONE, QUARTZITE & ARGILLITE; variably BRECCIATED  
Mostly darker green to gray-green - chloritic-altered by 'underlying' dike. Medium and thin bedded, may be thick beds. Bedding at  $70^\circ$  to c/a. 34.45-37.75m is healed breccia with narrow limonitic (brown-weathering chlorite?), shears ranging from  $20$  to  $85^\circ$  to c/a. One breccia fragment appears to be an older breccia. Irregular quartz veining at 37.45m. Narrow zones of similar brecciation occur through the interval. At 38.95m, 40.7m and 41.05m brownish oxidized 'breccia matrix' appears to be weathered pyrite. At 41.2m breccia veinlets are brownish-oxidized chlorite. Patchy lighter gray argillic alteration near 43.4m has resulted in locally porous core. Narrow section of broken, rubbly core at 41.75m.  
Sample 8408 37.45-37.75 (0.3m) 84 ppb Au

- 43.7-44.3 GREEN DIKE  
Medium-dark green, fine-grained. Few recognizable elongate amphibole (?) crystals, patchy green-black chlorite, brown-weathering. Also soft white material, not calcite. Upper contact wavy, bit fractured, at 30° to c/a, lower contact sharp, planar, at 70° to c/a.
- 44.3-51.9 SILTSTONE, minor ARGILLITE  
Greenish, chloritic-altered to lighter, pale gray-green. Medium and thick bedded, few thin beds. Bedding at 70-85° to c/a. Widespread thin QV at 0-5° to c/a; white, granular quartz with some dark green chlorite, no sulfides noted. Broken core near 50.6m; minor fault.  
Sample 8409 50.5-50.9 (0.4m); fault zone and QV 6 ppb Au
- 51.9-63.1 SILTSTONE & ARGILLITE  
Light gray to medium and dark blue-gray. Thin bedded and laminated, few thick beds. Bedding at 75° to c/a. 55.8-59.85 minor pyrite is common in small irregular, angular fractures and patches and in a few bedding-// laminations. Pyrite is common, with dark chlorite and locally in leached open fractures. 62.35-63.1 broken core, some rubbly; dark green chloritic quartzite, no quartz (fault?).  
8410 56.8-57.0 (0.2m) 5 ppb Au
- 63.1m End of Hole  
Core stored at Vine Properties, Hidden Valley Road.

## Drill Hole Record

<b>Hole No.:</b> MW-04-2	<b>Property:</b> MW
<b>Commenced:</b> April 27, 2004	<b>Owner:</b> Supergroup Holdings Ltd
<b>Completed:</b> April 28, 2004	<b>Location:</b> MW <u>5</u> Mineral Claim
<b>Coordinates:</b> 582724E 550611N	<b>Contractor:</b> Beaupre Diamond Drilling Ltd.
<b>Core Size:</b> NQ	<b>Total Length:</b> 108.8m
<b>Azimuth:</b> 322 <sup>0</sup>	<b>Logged by:</b> P. Klewchuk
<b>Collar Dip:</b> -45 <sup>0</sup>	<b>Date:</b> May 3-4, 2004
<b>Objective:</b> Test mineralized breccia zone.	

Meters	Description
0-3.05	Casing, no core.
3.05-7.8	<p><b>BRECCIATED ARGILLITE</b>            Medium blue-gray to light gray. Thin bedded and laminated, bedding at 60-80<sup>0</sup> to c/a but extensively disrupted by mostly healed brecciation. Limonitic fractures tend to be at ~45-90<sup>0</sup> to c/a. Some limonite may be weathered pyrite, some appears to be weathered dark green chlorite. No distinct QV.</p>
7.8-27.15	<p><b>SILTSTONE, QUARTZITE, minor ARGILLITE, zones of BRECCIA</b>            Surface weathered to ~14.5m; pinkish hematitic quartzites and light gray to blue-gray, limonitic siltstones and argillites. Below 14.5m, more uniformly colored; light gray, brown, slightly pinkish, to medium and dark blue-gray. Medium, thin and possibly thick bedded, at 60<sup>0</sup> to c/a near 9.6m, ~70<sup>0</sup> to c/a near 22m.            7.8-8.8m Altered siltstone, quartzite, minor argillite, strongly limonitic with few oxidized pyritic QV.            8.8-10.0m Argillite, siltstone with weaker limonite.            10.0-11.0m Brecciated siltstone and quartzite. Bleached pinkish, sericitic quartz fragments in matrix of limonite veins and clay. Few thin, vuggy QV in quartzite at 15-30<sup>0</sup> to c/a.            11.0-11.6m Pinkish and limonitic altered thin bedded argillite, siltstone.            11.6-14.15 Pink to light gray quartzite and siltstone. Thin limonitic QV at ~10<sup>0</sup> to c/a near 12.0-12.3m.            14.15-14.95m Brecciated quartzite with narrow stronger limonitic QV breccia zone over ~6cm at 14.15m, at ~60<sup>0</sup> to c/a.            14.95-15.55m Top 35 cm weakly brecciated with hairline to 2mm wide dark green-black chlorite (clay?) matrix. Bottom 25 cm is more strongly brecciated with irregular QV, reddish-brown limonite.            17.3-17.85 Quartz vein / breccia zone. Strong 'black' chlorite-clay matrix to 12 cm wide 'shear' at 17.4-17.5m, at 85<sup>0</sup> to c/a (south dip) with narrow QV. Bottom 20cm is mainly QV; dull gray, pale green, with 'black' chlorite-clay and minor brown limonite. Some brecciated fragments of seds in QV. QV at 50-80<sup>0</sup> to c/a</p>

19.45-19.65m Stronger breccia zone with few thin QV. Fabric at  $\sim 60^\circ$  to c/a but with 'erratic' chlorite/clay-filled fractures. Black chlorite/clay altering / weathering to reddish-brown hematite / limonite.

Near 18.6m mottled texture in more argillaceous zone is due to argillic alteration.

Sampling	8411	7.8-8.8 (1.0m)	24 ppb Au
	8412	10.0-11.0 (1.0m)	25 ppb Au
	8413	12.0-12.3 (0.3m)	26 ppb Au
	8414	14.15-14.50 (0.35m)	314 ppb Au
	8415	15.3-15.55 (0.25m)	38 ppb Au
	8416	17.3-17.85 (0.55m)	597 ppb Au

#### 27.15-42.8 ARGILLITE & SILTSTONE, BRECCIA

Medium gray to light, medium and dark blue-gray. Thin bedded and laminated, few medium beds. Bedding at  $75-85^\circ$  to c/a; some brecciation exists throughout; mostly slight (few mm to cm) displacement on beds along healed fractures at high angles to bedding. Locally healed breccia is more intense with matrix- and clast-supported textures. Clasts from  $<1\text{mm}$  to  $>1\text{cm}$  across (could be much larger).

Clasts and matrix are similar to host lithologies. Most fractures are tight; more open spaces are filled with 'black' chlorite/clay, fine-grained pyrite and blue vivianite. Scattered open, angular pores, to  $\sim 1\text{cm}$  across, indicate some leaching.

'Black' chlorite/clay weathers to a dull earthy brown, sometimes with reddish hematitic color. Pyrite weathers to a medium earthy brown. There is no obvious consistent orientation to fractures; they range from bedding-// to high angles.

Pyrite and chlorite/clay may be associated with a later phase of brecciation.

Re-orienting core to NNE strike/ESE dip to beds, a number of fractures, quartz veins strike NNE, dip steeply west.

Mottled blue-gray argillic alteration is present from  $\sim 27\text{m}$  to  $32\text{m}$ .

Sample	8417	35.85-36.7 (0.85m)	"Fragmental" bx, minor vein pyrite 3 ppb Au
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#### 42.8-45.7 SILTSTONE, minor ARGILLITE

Massive, medium gray siltstones, medium to thin beds, with  $\sim 5\%$  thin blue-gray argillite beds. Bedding at  $75-80^\circ$  to c/a. Thin, ragged, tan-brown streaks or shears, // to bedding may be weathered fine-grained pyrite (?).

44.6-44.8 8mm QV at  $\sim 5^\circ$  to c/a (NE strike/steep NW dip?) Is open, vuggy, limonitic, with minor quartz and abundant pale, dull yellowish-green dolomite crystals. See these also with minor quartz and black chlorite/clay in open, vuggy veins at 45.7m

At 45.1m a lensey 0-14mm wide soft clay band has some micro-brecciation (very small angular fragments) and brown limonitic margins - clay-altered bedding-// shear?

45.7-54.6

## ARGILLITE, minor SILTSTONE

Medium to dark blue-gray, laminated to thin bedded, bedding at  $\sim 75^\circ$  to c/a. Local evidence of minor brecciation; much of the interval appears not brecciated. Patchy pale gray mottling, argillic alteration; narrow zones are porous. Widespread minor limonite, tan-brown to darker reddish-brown - much of it appears to be weathered pyrite. Pyrite is common in ragged patches and thin fracture fillings as a matrix to a broad, weak brecciation. At 48.5m a 3cm wide zone at  $55-60^\circ$  to c/a is breccia with thin vuggy QV, pyrite, angular argillite fragments. Vugs are crusted with equi-dimensional yellowish crystals (dolomite?) and one cluster of white, translucent, slightly radiating fibrous crystals, probably aragonite (fizzes in HCl).  
 Sample 8418 48.45-48.55 (0.10m) 122 ppb Au

54.6-80.05

## SILTSTONE &amp; QUARTZITE, minor ARGILLITE, widespread BRECCIATION

Medium-light gray, slightly greenish. Typically massive siltstone-quartzite, medium and thick bedded with interbeds and thin zones of thin bedded and laminated medium to darker blue-gray argillite. Bedding typically at  $65-75^\circ$  to c/a. This is a relatively unaltered interval with only local brecciation.

At 54.85-55.0 broken, rubbly core of greenish quartzite and broken quartz vein fragments. Some quartz is open space crystalline with angular vugs. Some medium-grained, slightly greenish muscovite concentrated with quartz.

At 58.3-59.0 patches of brecciation with QV. Thin QV at  $\sim 10-15^\circ$  to c/a with pale yellow dolomite at 58.3m. At  $\sim 58.4$ m, 2-3cm wide breccia zone with patchy QV, at  $50-60^\circ$  to c/a. Dark brown-black limonitic chlorite/clay or pyrite and earthy brown limonite. Central section has few thin, chloritic QV. Bottom  $\sim 8$ cm is a crackle breccia, clast-supported, at  $70^\circ$  to c/a with elongate quartzite clasts sub-// to contacts, with medium green matrix of crushed quartzite (?) and chlorite/clay. Could be an old structure.

At 63.8m 2 en echelon black chlorite/clay veins at  $\sim 35^\circ$  to c/a, 1-3mm wide.

At 66.75m a 6cm wide breccia zone at  $70^\circ$  to c/a has a central more crushed zone with chlorite/clay matrix.

At 68.1m a 10cm wide band of sheared and brecciated argillite and siltstone is at  $\sim 55-60^\circ$  to c/a with shear fabric at  $55-60^\circ$  also.

Narrow zones of brecciation occur through much of the interval - breccia is quite varied in character, mostly 'dry' looking, crackle breccia to narrow shear zones with evidence of movement. Quartz veining is usually very weak, with very minor calcite.

At 74.6m a 1.5cm sheared argillite at  $45^\circ$  to c/a has abundant black chlorite/clay and aggregates of fine-grained pyrite.

At 75.35m a 3cm wide band of dark blue argillite at  $45^\circ$  to c/a is strongly brecciated with angular fragments of argillite in a pale greenish, siliceous-looking matrix.

75.7-77.5 is variably brecciated with scattered, irregular QV that are granular, vuggy, chloritic with pale dull yellow-green crystals of dolomite.

## 80.05-104.5 COMPLEX BRECCIA; SILTSTONE, QUARTZITE &amp; ARGILLITE

Light gray to medium and dark blue-gray; siltstones and quartzites are medium and thick bedded; argillites are thin bedded. Brecciation occurs throughout but with different character and intensity. There is no consistent fabric, suggesting the zone is quite complex. Generally, from 80.05 to 88.8m fabric is at low angle to c/a, 0 to 25° and below 88.8m fabric is more at ~60° to c/a. Breccia is mostly healed but there are open fractures and narrow crushed clay zones.

Individual shear zones (2-4cm widths) are lensey with rafted, milled fragments - usually quartzite in argillite matrix, more rarely in a limonitic matrix. Quartzites / siltstones have more crackle type brecciation with chloritic/clay, limonitic matrix. In detail the 'veins' of limonite which appear to be oxidized 'black' chlorite/clay and earthy tan-brown weathered pyrite, can be vuggy with colloidal silica.

Generally, quartz and limonite content is low.

Some quartz veining is present ; 80.7 to 81.5m has two 2-3cm vuggy QV at 30° to c/a, with vuggy, chloritic, limonitic margins and with pale green crystalline dolomite.

98.4-95.55 is a limonitic, chloritic, quartz vein breccia with lensey QV and 'black' chlorite/clay lenses (here it has desiccated and has dehydration cracks). Central 20cm section is mainly brecciated quartzite with chlorite/clay veins.

104.2-104.5 is a chloritic QV breccia with irregular and rounded blebs of granular white to light gray quartz in dull greenish chlorite/clay (soft and easily washed away) matrix. Bottom contact is at ~90° to c/a.

Much of the interval is argillically altered; sections of blue-gray argillite are mottled, light gray, argillically altered; narrow sections of core are soft, porous and argillic.

97.65-98.8m is dull greenish buff brown felsite. Fine-grained, micaceous, with small irregular blebs of quartz and thin light gray quartz veinlets. Small angular lenses / veinlets of white calcite (+ dolomite?) Are also present. Contacts are irregular; intrusion has broken the sed and squeezed into fractures; narrow, irregular veins of brown felsite occur in both HW and FW sed. Adjacent sed in both HW and FW have porous, argillic-altered light gray zones.

Sampling	8419	80.7-81.15 (0.45m)	5 ppb Au
	8420	94.8-95.55 (0.75m)	3 ppb Au
	8421	104.2-104.5 (0.30m)	143 ppb Au

## 104.5-108.8 QUARTZITE, minor SILTSTONE &amp; ARGILLITE

Light to medium gray; few argillites are medium to dark blue-gray. Medium and thin bedded; may be some thick beds; bedding at ~45° to c/a. Small breccia zones and narrow bedding-// crushed minor fault zones are spread through the interval. Some fractures are limonitic. Disseminated pyrite occurs with thin QV just below 104.5m. Minor pyrite occurs also on a few fractures and with one 2-3mm wide QV at 45° to c/a at 107.5m. Minor QV breccia with 1-3mm wide QV over ~5cm of core at 108.6m.

108.8 End of Hole. Core stored at Vine Properties, Hidden Valley Road.

## Drill Hole Record

<b>Hole No.:</b> MW-04-3	<b>Property:</b> MW
<b>Commenced:</b> April 28, 2004	<b>Owner:</b> Supergroup Holdings Ltd
<b>Completed:</b> April 29, 2004	<b>Location:</b> MW <u>5</u> Mineral Claim
<b>Coordinates:</b> 582859E 550691N	<b>Contractor:</b> Beaupre Diamond Drilling Ltd.
<b>Core Size:</b> NQ	<b>Total Length:</b> 124.7m
<b>Azimuth:</b> 324 <sup>0</sup>	<b>Logged by:</b> P. Klewchuk
<b>Collar Dip:</b> -45 <sup>0</sup>	<b>Date:</b> April 28-29, 2004
<b>Objective:</b> Test altered, mineralized breccia zone.	

<b>Meters</b>	<b>Description</b>
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0-3.05	Casing, no core.
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3.05-3.66	Rubble, rounded pebbles, fragments; overburden.
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3.66-11.3	<p><b>BRECCIA</b>  Limonitic oxidized; orange brown, on fractures and irregular patches of more intense breccia. Mixed lithologies; argillite to silty quartzite (wacke); various shades of gray and blue-gray. Argillites are laminated; no obvious bedding in more siliceous rock. Breccia fabric ranges from quite strong to weak. Fracturing is wavy, interconnected. Few bands of more intense limonite, up to 3mm wide, discontinuous. No consistent fabric; stronger fractures range from ~5 to 75<sup>0</sup> to c/a. Minor quartz as local, irregular blebs. Dark green chlorite, black-brown Mn are common. Core is broken, locally rubbly, est. 15% loss.</p> <table border="0"> <tr> <td>Sampling</td> <td>8422</td> <td>5.8-7.3 (1.5m)</td> <td>8 ppb Au</td> </tr> <tr> <td></td> <td>8423</td> <td>7.3-7.9 (0.6m)</td> <td>5 ppb Au</td> </tr> </table>	Sampling	8422	5.8-7.3 (1.5m)	8 ppb Au		8423	7.3-7.9 (0.6m)	5 ppb Au
Sampling	8422	5.8-7.3 (1.5m)	8 ppb Au						
	8423	7.3-7.9 (0.6m)	5 ppb Au						

11.3-17.4	<p><b>QUARTZITE &amp; SILTSTONE, minor ARGILLITE; weak BRECCIA</b>  Mainly lighter gray, very pale greenish; few argillaceous beds are medium blue-gray. Medium and thin bedded; bedding indistinct in quartzites. Widespread, mostly healed fracturing. Open fractures are moderately limonitic. Bedding may be ~60<sup>0</sup> to c/a but most is disturbed by brecciation. Weaker chlorite/clay, hematite and Mn alteration present. At 14.63m 7mm wide QV at 0-5<sup>0</sup> to c/a is ~15cm long. Granular, chloritic quartz.</p>
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17.4-17.6	<p><b>QUARTZ VEIN / BRECCIA ZONE</b>  15cm QV overlies 7cm breccia zone. Top contact of QV is wavy and at ~50<sup>0</sup> to c/a. QV-bx contact is quite sharp, planar, at 83<sup>0</sup> to c/a (irregular QV). Basal contact of breccia is at ~70<sup>0</sup> to c/a and not // to top contact. QV is light gray, massive, with scattered specks of chlorite, brownish Mn near base. Breccia is about 40% dark brown limonite matrix, ~60% angular, disrupted sed fragments. Matrix is mostly brown-weathering, black Mn mineral (pyrolusite? clay?) With</p>
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small blebs of quartz.

Sample 8424 17.4-17.6 (0.2m) 1. ppb Au

17.6-24.3

QUARTZITE, minor SILTSTONE & ARGILLITE; weak BRECCIA

Light to med gray, medium and thick bedded quartzite and siltstone, thin bedded argillites. Bedding at  $\sim 40^\circ$  to c/a. A few bedding-// shear zones, 3-7mm wide, eg at 19.1 and 20.7m have quartz, hematite, chlorite/clay and Mn. Adjacent wallrock is patchy, streaky reddish hematite stained. Numerous small elongate to rounded, irregular vugs are present in quartzite. These tend to be perpendicular to bedding but with lots of variation. Stronger black Mn (chlorite?, clay?) on fractures, in lower 30cm.

At 23.6m about 15cm of core includes  $\sim 8$  narrow bedding-// (at  $45^\circ$  to c/a) bands of quartz-Mn/clay-hematite. One 0.5 to 1.5cm wide band of milled breccia with altered, rounded quartzite / siltstone fragments.

24.3-25.0

BRECCIA, SHEAR ZONE

Mainly argillite and siltstone, mottled and altered. Extensively brecciated with about 6 separate 'shear / breccia' bands which tend to be sub-// to underlying bedding but with bands at other orientations. Most breccia bands have some rounded, 'milled' fragments. Only minor quartz is present; mostly Mn (clay?), some hematite and chlorite.

Sample 8425 24.3-25.0 (0.7m) 365 ppb Au

25.0-53.3

SILTSTONE, QUARTZITE & ARGILLITE; BRECCIA ZONES

Light gray to medium blue-gray, thick and medium bedded to laminated. Bedding at  $45-60^\circ$  to c/a. Lithologies:

25.0-25.6m	mainly laminated argillite
25.6-29.0m	siltstone, minor quartzite & argillite
29.0-30.5m	laminated argillite
30.5-36.0m	siltstone, quartzite
36.0-36.7m	laminated argillite
36.7-45.0m	siltstone, minor quartzite, argillite
45.0-45.6m	laminated argillite
45.6-53.3m	siltstone with $\sim 15\%$ argillite bands

Narrow zones of brecciation are present:

23.6m 10 cm of crackle breccia with chlorite, Mn, clay on fractures.

27.7-28.5m brecciated quartzite with lensey, chloritic QV at  $25-40^\circ$  to c/a.

28.7m 15cm of crackle type breccia with quartz, chlorite, Mn, clay.

30.3-30.9 Crackle breccia, bleached, argillic altered, Mn, chlorite, clay.

32.8-33.1m Some matrix-supported 'crackle breccia'. Mn/clay-rich matrix veins up to 1.5cm wide; most  $< 2$ mm.

36.6m 20 cm of weak bedding-// quartz-chlorite veinlets.

37.3m Minor QV, sub-// to bedding,  $\sim 6$ cm band with irregular clots of fresh pyrite.

41.1-41.5m weak breccia associated with narrow bedding-// shearing and quartz, at  $\sim 45^\circ$  to c/a.

40.7m 10cm band of wavy, limonitic fractures, minor disseminated rusty pyrite.

41.1-41.5m series of lensey, vuggy QV at  $10-15^\circ$  to c/a, Mn-stained, rusty.

41.8m Rusty pyrite band 5cm wide, sub-// to bedding at  $50^\circ$  to c/a.

49.1-49.25 Rusty shear, milled breccia lenses.

50.75-51.05m 30cm of annealed, milled breccia with altered rounded quartzite fragments. Fabric at  $35^\circ$  to c/a, oblique to bedding (?).

52.3m 5cm lensey band of annealed, milled breccia with vein quartz, chlorite, Mn.

52.45m 15cm shear, fault zone at  $\sim 35^\circ$  to c/a.

53.2-53.3 m Weakly brecciated siltstone above a 1-2cm band of quartz with rusty pyrite, Mn.

Sampling 8426 27.7-28.5 (0.8m) 108 ppb Au

8427 47.25-47.55 (0.3m) 12 ppb Au

53.3-57.0 ARGILLITE, minor SILTSTONE, ANNEALED BRECCIA

Medium blue-gray to light gray. Thin bedded, few medium beds, to laminated. Bedding at  $\sim 45^\circ$  to c/a. To 55.8m is weakly brecciated, beds offset few mm on hairline crosscutting fractures.

55.8-171.0m is more brecciated, bedding more messed up but still mostly at  $30-35^\circ$  to c/a. Widespread fine, disseminated pyrite; more abundant near 56.3m with thin, vuggy, finely crystalline quartz veining (at  $\sim 50^\circ$  to c/a).

57.0-61.05 SILTSTONE, minor ARGILLITE

Light to medium gray. Bedding indistinct except in argillites, at  $\sim 40^\circ$  to c/a.

Scattered weak, limonitic brecciation, commonly with broken core.

At 58.1m, argillite-altered narrow zone, with limonite; probably a minor fault.

61.05-61.2 Minor FAULT ZONE

Broken, clay-altered, limonitic zone. Irregular QV, up to  $\sim 5$ cm wide, at HW contact.

61.2-81.5 "FAULT ZONE"

Alternating bands of annealed, brecciated argillite and relatively competent siltstone / quartzite. 61.2-62.95m Brecciated argillite 62.95-67.05 Siltstone

67.05-72.85 Mostly brecciated argillite 72.85-76.05 Mostly siltstone

76.05-81.5 Brecciated argillite

Argillite is medium to dark blue-gray, quite strongly sheared - cataclastic texture; milled fragments, strong fabric at  $30-35^\circ$  to c/a. Patchy and disseminated pyrite common but minor. Bedding in siltstone bands is at  $\sim 50^\circ$  to c/a. Siltstones are light to medium gray. A few small irregular, elongate, lensey quartz (+ very minor carbonate) veinlets occur within both siltstone and argillite lithologies. Veinlets

are more abundant below ~76m. These quartz (-carbonate) veinlets are locally concentrated in small healed breccia zones, commonly with increased pyrite. At ~77m 10cm wide zone of rubbly, gravelly core includes quartz vein fragments with disseminated chalcopyrite, sphalerite, galena and pyrite.

Sampling 8428 67.95-69.05m (1.10m) cataclastic fault, disseminated pyrite 4 ppb Au  
 8429 76.9-77.05m (0.15m) rubbly core; QV, PbS, ZnS, Cpy 305 ppb Au  
 8430 78.0-78.7m (0.7m) stronger QV bx, minor pyrite 550 ppb Au  
 8431 81.1-81.5m (0.4m) rubbly basal zone, argillic, minor pyrite 55 ppb Au

81.5-117.8

## ARGILLITE, minor SILTSTONE, QUARTZITE; CRACKLE BRECCIA

Dark and medium blue-gray, mostly thin bedded. Few quartzites below 115.65m are medium gray. Bedding typically at 70-80° to c/a, rarely at 45° to c/a. Breccia texture ranges from extensive hairline fracturing at high angle to bedding, offsetting beds a few cm, to mashed up fragmental texture developed adjacent to (healed) fractures at 0-5° to c/a. Extensive 'crackle' brecciation with thin, discontinuous quartz (+ rare calcite) veinlets & angular patches, commonly with pyrite. Pyrite also forms discrete small patches and veinlets. Locally QV and pyrite veins are concentrated as a breccia matrix, commonly along a narrow zone at 0-5° to c/a. Between 115.3 and 117.7m most of the argillite is a healed, milled breccia / fragmental but with more swirly fabric (115.65-116.4m in this zone is quartzite).

Sampling	8432	84.9-86.3 (1.4m)	5 ppb Au
	8433	89.9-90.5 (0.6m)	4 ppb Au
	8434	93.5-94.0 (0.5m)	4 ppb Au
	8435	99.5-100.6 (1.1m)	2 ppb Au
	8436	112.4-113.4 (1.0m)	1 ppb Au
	8437	113.4-114.05 (0.65m)	3 ppb Au

117.8-124.7 QUARTZITE; BRECCIA

Light to medium gray. Few thin argillites are medium blue-gray. Bedding at 60-70° to c/a. Quartzites appear silicified; hard and competent. Different kinds of healed breccia / fragmental are present. Near 118.1m mottled lensey texture may be silicified sedimentary texture. Near 118.5m healed breccia with matrix-supported texture, elongate, medium gray quartzite fragments in a lighter gray siliceous 'lacy' matrix. Some fragments rotated. Some fragments are of a dense, very fine-grained, light gray rock - silicified argillite?? - mixed with the quartzite fragments. Irregular hairline quartz veinlets occur through the quartzite here. Below 119m there is patchy 'fragmental' with different lithology fragments, angular and rounded, in darker (biotitic?) matrix.

124.7

End of Hole.

Core stored at Vine Properties, Hidden Valley Road.

## Drill Hole Record

<b>Hole No.:</b>	MW-04-4	<b>Property:</b>	MW
<b>Commenced:</b>	April 29, 2004	<b>Owner:</b>	Supergroup Holdings Ltd
<b>Completed:</b>	April 30, 2004	<b>Location:</b>	MW <u>32</u> Mineral Claim
<b>Coordinates:</b>	582501E 5500454N	<b>Contractor:</b>	Beaupre Diamond Drilling Ltd.
<b>Core Size:</b>	NQ	<b>Total Length:</b>	50.3m
<b>Azimuth:</b>	320 <sup>0</sup>	<b>Logged by:</b>	P. Klewchuk
<b>Collar Dip:</b>	-45 <sup>0</sup>	<b>Date:</b>	May 1, 2004
<b>Objective:</b>	Test for western extension of zone in quartzite host.		

Meters	Description										
0-4.88	Casing, no core										
4.88-11.6	<p>FELSITE, ARGILLITE, SILTSTONE; BRECCIA</p> <p>Series of irregular 'bands' of felsite mixed in with brecciated host sediments. Pale yellow to orange-gray. More argillaceous beds are blue-gray. Texture is quite mixed; mottled to brecciated. Small patches of argillite are sheared / brecciated but annealed - possibly an older fault fabric. Much of this "argillite fault breccia" fabric is at ~45<sup>0</sup> to c/a but is further deformed and cut by fracturing at 5-10<sup>0</sup> to c/a. There are a number of usually narrow zones, 3 to 15cm wide, of clay-matrix breccia, usually at high angle to c/a, ~45-60<sup>0</sup>. This zone was orange-yellow-brown clay-coated when drilled - strongly argillic altered.</p> <p>Felsite is quite massive, sericitic with irregular or broken, clay fault contacts. Numerous granular quartz veins and patches are present; bulbous, discontinuous patches are common but from 8.25-9.2m 3 en echelon veins up to ~1cm wide, are at 5-10<sup>0</sup> to c/a. Thin limonitic fractures with some QV are at 0-5<sup>0</sup> to c/a. Felsite has a mottled, limonitic weathering.</p> <table border="0" style="margin-left: 20px;"> <tr> <td>Sampling</td> <td>8438</td> <td>6.23-6.35m (0.12m)</td> <td>quartz veins</td> <td>1 ppb Au</td> </tr> <tr> <td></td> <td>8439</td> <td>8.25-9.25m (1.0m)</td> <td>felsite, QV</td> <td>0 ppb Au</td> </tr> </table>	Sampling	8438	6.23-6.35m (0.12m)	quartz veins	1 ppb Au		8439	8.25-9.25m (1.0m)	felsite, QV	0 ppb Au
Sampling	8438	6.23-6.35m (0.12m)	quartz veins	1 ppb Au							
	8439	8.25-9.25m (1.0m)	felsite, QV	0 ppb Au							
11.6-15.65	<p>QUARTZITE &amp; SILTSTONE, minor ARGILLITE</p> <p>Pale pink-gray and green-gray; laminated argillites are darker gray and blue-gray. Medium bedded, may be a few thick beds; argillite is thin bedded and laminated. Bedding at 45-60<sup>0</sup> to c/a. Pink quartzites (hematite-altered) have thin lensey 'tension gash' vugs and pyrite veinlets at ~10-20<sup>0</sup> to c/a. Local small scale brecciation may be an old fabric.</p> <table border="0" style="margin-left: 20px;"> <tr> <td>Sample</td> <td>8440</td> <td>12.25-12.60m (0.35m)</td> <td>4 ppb Au</td> </tr> </table>	Sample	8440	12.25-12.60m (0.35m)	4 ppb Au						
Sample	8440	12.25-12.60m (0.35m)	4 ppb Au								
15.65-23.5	<p>ARGILLITE, minor SILTSTONE</p> <p>Medium to light blue-gray, thin bedded and laminated, bedding at 73<sup>0</sup> to c/a at 16.8m, 80<sup>0</sup> to c/a at 22.0m. Healed brecciation is common; associated small angular fracture cavities &amp; very thin veinlets have fine-grained pyrite (weathering</p>										

to an earthy brown-red color) and quartz. Discontinuous pyritic fractures are preferentially developed in thin bedded and laminated argillites. Narrow clay gouge breccia zones are  $\sim 90^\circ$  to c/a (bedding-//).

20.0-20.5m is lighter gray, argillic-altered zone, porous. Upper zone has unoxidized, wavy, bedding-transgressive 'solution front' liesegang banding. One thin 0.25 to 0.5mm brown band may be oxidized pyrite.

23.5-26.5

## QUARTZITE, SILTSTONE &amp; ARGILLITE; BRECCIA

Light gray to medium blue-gray, mottled. Locally healed breccia. Most bx is within thin bedded argillites; clast boundaries / contacts are tight, commonly irregular, may be rusty. Narrow zone of brecciated light gray quartzite at 23.8m has brown and darker brown limonitic matrix. Few QV are present; one irregular patch of quartz 2cm across, just above a narrow rusty shear at  $85^\circ$  to c/a, at 24.2m; 2 coalescing narrow veins 0.5 to 1cm thick, at 40 and  $80^\circ$  to c/a. QV are vuggy with some open space crystals.

26.5-30.2

## ARGILLITE; BRECCIA

Mainly dark blue-gray with few medium and lighter blue-gray beds. Thin bedded and laminated, bedding at  $65^\circ$  to c/a near 27.5m,  $75^\circ$  to c/a at 29m. Bedding disrupted by healed fracturing. Minor pyrite is common, more abundant in the lower half, as small elongate patches and veinlets. Most pyrite is crosscutting bedding; some follows bedding.

Sample 8442 29.4-30.2 (0.8m) 2 ppb Au

30.2-36.8

## Chloritic SILTSTONE, QUARTZITE &amp; ARGILLITE; minor INTRUSIVE

30.2-31.2 Pale green 'bleached' quartzite. Fairly massive, broken core. Bedding at 30.2 at  $60^\circ$  to c/a.

31.2-35.4 Dark green chloritic quartzite, minor argillite. Quartzites broken, quite massive. Argillite beds at  $\sim 65^\circ$  to c/a. Few thin vuggy QV  $0-5^\circ$  to c/a, near 31.7m.

35.42-35.2 is a thin vuggy brown intrusive vein 3-6mm thick,  $0-10^\circ$  to c/a, may be feldspar. Chloritic alteration here is probably due to a green dike like the one seen in earlier hole (no dike seen here in core but probably close by).

35.4-36.8 Chloritic argillite. Dark blue-gray-black-green. Chloritic alteration diminishes down hole. Dissem pyrite common below 36.3m. At 36.25m part of the core is a brown 'feldspar' dike with small angular fragments of ripped up wallrock.

36.8-48.4

## ARGILLITE, minor INTRUSIVE

Lighter gray and argillic-altered to  $\sim 41$ m, darker blue-gray below. Thin bedded with bedding at  $\sim 70^\circ$  to c/a ( $60-80^\circ$  range) with considerable healed breccia disruption.

38.3-38.5 is dull greenish-brown intrusive (feldspar?) With veinlets of black 'clay' weathering to limonite. Black material is fine-grained, crystalline but crushes to clay-like material. Small veinlets of pale yellow-brown dolomite are common and fine-grained pyrite is also common through most of the argillite, dissem and in

irregular patches and veinlets. Parts of the lighter gray, upper core is argillic-altered.

Sample 8443 38.3-38.5 (0.2m) 3 ppb Au

48.4-50.3

QUARTZITE, SILTSTONE & ARGILLITE

Mostly pale greenish, chloritic quartzite and siltstone, as broken core. Blue-gray argillite is thin bedded, laminated at 55-60° to c/a, beds offset by healed breccia fractures. Fine disseminated pyrite occurs locally in quartzite, disseminated and as patches and veinlets in argillite.

50.3

End of Hole

Core stored at Vine Properties, Hidden Valley Road.

## Drill Hole Record

<b>Hole No.:</b>	MW-04-5	<b>Property:</b>	MW
<b>Commenced:</b>	April 30, 2004	<b>Owner:</b>	Supergroup Holdings Ltd
<b>Completed:</b>	April 30, 2004	<b>Location:</b>	MW <del>32</del> Mineral Claim
<b>Coordinates:</b>	582501E 5500454N	<b>Contractor:</b>	Beaupre Diamond Drilling Ltd.
<b>Core Size:</b>	NQ	<b>Total Length:</b>	29.6m
<b>Azimuth:</b>	-	<b>Logged by:</b>	P. Klewchuk
<b>Collar Dip:</b>	-90°	<b>Date:</b>	May 6, 2004
<b>Objective:</b>	Test for western extension of zone in quartzite host.		

Meters	Description										
0-4.6	Casing, no core										
4.6-5.2	Various boulders; overburden										
5.2-11.55	<p>SILTSTONE &amp; ARGILLITE; BRECCIATED, narrow FAULT ZONE</p> <p>Surface weathered zone. Broken core, rusty fractures and internal veinlets. Mainly siltstone and argillite, bleached, yellowish limonitic gray to blue-gray. Bedding at ~60° to c/a, extensively broken by healed brecciation.</p> <p>At 6.9m a 4cm band of core is of cataclastic fault breccia; whiter quartz vein fragments to ~5mm long in a dark blue-gray argillite matrix. Fabric at 75° to c/a.</p> <p>At 8.6m ~10cm of broken core includes fine vuggy limonitic veinlets and broken fragments of vein quartz in bleached siltstone.</p> <table border="0" style="margin-left: 20px;"> <tr> <td>Sampling</td> <td>8444</td> <td>6.85-6.95 (0.10m)</td> <td>fault zone</td> <td>277 ppb Au</td> </tr> <tr> <td></td> <td>8445</td> <td>8.55-8.70 (0.15m)</td> <td>broken QV</td> <td>7 ppb Au</td> </tr> </table>	Sampling	8444	6.85-6.95 (0.10m)	fault zone	277 ppb Au		8445	8.55-8.70 (0.15m)	broken QV	7 ppb Au
Sampling	8444	6.85-6.95 (0.10m)	fault zone	277 ppb Au							
	8445	8.55-8.70 (0.15m)	broken QV	7 ppb Au							
11.55-15.8	<p>QUARTZITE &amp; SILTSTONE, minor ARGILLITE, narrow FAULT ZONES</p> <p>(Pinkish) light gray quartzite and siltstone, medium and darker blue-gray argillite. Medium to thin bedded, may be a few thick beds. Bedding at 45-60° to c/a.</p> <p>Quartzites are fairly massive, pinkish from surface weathering with rare thin lensey, vuggy QV. Weak brecciation evident; argillite bedding offset few mm to ~1cm on hairline, healed fractures.</p> <p>At 11.65m, 15.2m and 15.8m, narrow ~2cm wide healed cataclastic fault zones are at 40-50° to c/a. Bottom one is wavy, lensey. Thin QV occur with fault at 11.65m.</p> <p>At 15.1m 1.5cm wide vuggy QV zone is bedding-// at 45° to c/a.</p>										
15.8-25.7	<p>ARGILLITE, minor SILTSTONE, weak BRECCIA</p> <p>Dark and medium blue-gray, thin and medium bedded. Bedding at ~50° to c/a.</p> <p>Beds are disrupted along healed fractures, usually by a few mm. Locally disruption produces angular fragmentals. This looks like syndepositional deformation. Minor pyrite and quartz (-CO<sub>3</sub>?) veinlets are common. Thin lensey veins usually crosscut bedding. Pyrite is also dissem. Locally, angular vugs are present and can be coated</p>										

with dark reddish-brown 'clay'.

25.7-29.6

**QUARTZITE & SILTSTONE, minor ARGILLITE**

Light to med gray, argillites are darker blue-gray. Thin, medium and thick bedded. Beds at 45° to c/a. Argillites locally have 'healed bx texture' with mm-cm scale offset of beds on healed hairline fractures. Weak breccia with thin quartz veinlets. Dissem and vein pyrite is mostly in argillites. At 28.0m local small more intense zone of breccia; bedding-// quartz-pyrite veining has included small angular fragments of argillite. At 28.3m healed cataclastic texture at 30-35° to c/a at argillite - quartzite contact.

29.6

End of Hole.

Core stored at Vine Properties, Hidden Valley Road.



## Drill Hole Record

<b>Hole No.:</b>	MW-04-6	<b>Property:</b>	MW
<b>Commenced:</b>	April 30, 2004	<b>Owner:</b>	Supergroup Holdings Ltd
<b>Completed:</b>	May 1, 2004	<b>Location:</b>	MW <u>5</u> Mineral Claim
<b>Coordinates:</b>	582703E 5500675N	<b>Contractor:</b>	Beaupre Diamond Drilling Ltd.
<b>Core Size:</b>	NQ	<b>Total Length:</b>	75.8m
<b>Azimuth:</b>	153 <sup>0</sup>	<b>Logged by:</b>	P. Klewchuk
<b>Collar Dip:</b>	-45 <sup>0</sup>	<b>Date:</b>	May 5, 2004
<b>Objective:</b>	Test for subsurface gold-mineralized zone.		

<b>Meters</b>	<b>Description</b>
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0-1.8	Casing, no core.
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1.8-23.9	<p>SILTSTONE, minor QUARTZITE &amp; ARGILLITE, BRECCIA</p> <p>Weathered and variably rusty to 17.3m. Bleached yellow gray to blue-gray. More medium gray colored below 17.3m. Medium and thin bedded, few thick beds. Bedding mostly at very low angle to c/a, 0 to 10<sup>0</sup>, from 1.8 to 13.5m. ~25<sup>0</sup> to c/a at 15.2m, ~40<sup>0</sup> to c/a below 20m. Weak to moderate brecciation occurs throughout. Breccia texture varies from thin healed fractures with minor offset of beds, to narrow zones of crackle type breccia with veinlets of green-black 'clay'. Few bedding-parallel vein zones include rusty green-black 'clay' and quartz. Small vugs in clay indicate deposition from solutions. A few thin, granular, rusty QV are present locally in siltstone; some are ~10<sup>0</sup> to c/a (could be NE-striking, steep NW-dipping), some at 80<sup>0</sup> to c/a. At 13.7 to 14.0 and 16.2 to 16.6m, 1 to 1.5cm wide QV cross core at 5-10<sup>0</sup> to c/a. These are rusty, granular QV that may have pyrite.</p> <table border="0"> <tr> <td>Sampling</td> <td>8446</td> <td>6.85-7.6 (0.75m)</td> <td>7 ppb Au</td> </tr> <tr> <td></td> <td>8447</td> <td>13.7-14.0 (0.3m)</td> <td>4 ppb Au</td> </tr> <tr> <td></td> <td>8448</td> <td>16.2-16.6 (0.4m)</td> <td>5 ppb Au</td> </tr> <tr> <td></td> <td>8449</td> <td>19.65-20.05 (0.4m)</td> <td>6 ppb Au</td> </tr> </table>	Sampling	8446	6.85-7.6 (0.75m)	7 ppb Au		8447	13.7-14.0 (0.3m)	4 ppb Au		8448	16.2-16.6 (0.4m)	5 ppb Au		8449	19.65-20.05 (0.4m)	6 ppb Au
Sampling	8446	6.85-7.6 (0.75m)	7 ppb Au														
	8447	13.7-14.0 (0.3m)	4 ppb Au														
	8448	16.2-16.6 (0.4m)	5 ppb Au														
	8449	19.65-20.05 (0.4m)	6 ppb Au														

23.9-71.3	<p>Widespread BRECCIA, mainly ARGILLITE, minor SILTSTONE</p> <p>Light gray to medium and dark blue-gray. Mainly thin and medium bedded. Bedding 60<sup>0</sup> to c/a at 24.5m; 45<sup>0</sup> at 29m; 20<sup>0</sup> at 31.5m; 5<sup>0</sup> at 35m; 10<sup>0</sup> at 39m; 0-10<sup>0</sup> at 41m; 5-30<sup>0</sup> at 47m; 20<sup>0</sup> at 50m; 5-20<sup>0</sup> near 53m; 25-35<sup>0</sup> at 58m; 35<sup>0</sup> at 62m; 25<sup>0</sup> at 67m; 30<sup>0</sup> at 71.3m.</p> <p>Impression is that brecciation is stronger in this interval but the difference is subtle. Breccia texture varies from tight hairline fractures offsetting thin beds by few mm-cm, to concentrated fracturing, healed with a matrix of green-black 'clay', minor quartz and some blue vivianite. Argillic alteration is common with patchy, mottled light gray discoloration of blue-gray argillites; locally narrow zones are porous. Details: Blue vivianite noted from 27.5 to 32.7m. Brecciation here is similar to rest of interval. Numerous narrower breccia zones are parallel to bedding, some are</p>
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distinctly crosscutting at high angle to bedding, while the more 'crackle' type breccias with lensey veinlets of green-black 'clay' matrix don't appear to have any fabric.

60.5-66.6m is greenish discolored, presumably from a proximal dike (which is not in the core). 40cm zone near 62.8m has a more 'baked' appearance with a pinkish hematite and brown discoloration.

Sampling	8450	23.9-24.7 (0.8m) healed breccia with wavy green-brown and black veinlets, patchy reddish-brown limonite.	7 ppb Au
	8451	26.5-26.8 (0.3m) crackle breccia with green-black 'clay' matrix veinlets	1 ppb Au
	8452	38.1-38.7 (0.6m) 2-4cm wide limonite vein matrix to argillite clasts at HW + yellow-brown clay-altered (porous) breccia with minor dark brown limonite matrix	2 ppb Au
	8453	41.1-41.7 (0.6m) Breccia with series of brownish limonitic veins (oxidizing) 'green-black 'clay' at 50-80° to c/a.	4 ppb Au
	8454	53.2-54.15 (0.95m) Breccia with lensey limonite-quartz veins at 70-90° to bedding, 35-50° to c/a	3 ppb Au
	8455	62.2-62.5 (0.3m) Dark green altered argillite, flecked with small irregular veinlets of brighter reddish-brown limonite & thin veins of dark green-black 'clay'	2 ppb Au
	8456	67.3-68.0 (0.7m) Mixed breccia. Thin green-gray veinlets, 'milled' fragmental 'vein' at 25° to c/a 2+cm wide, vein pyrite in broken core, 10 cm of argillic altered 'clay' zone. (Sample may include 30-40cm of core loss; could represent up to 1.1m)	3 ppb Au

#### 71.3-75.8 QUARTZITE / SILTSTONE

Dark green to 74.7m, light to medium gray thereafter. Fairly massive, local weak fabric at ~55° to c/a - may not be bedding. Few QV 3mm to 1.5cm wide, at 15 to 90° to c/a, over ~25cm of core (71.5-71.75m). Granular light gray quartz, no limonite. At 74.7m rubbly core, some core loss. Few thin (0.5mm) lensey yellowish (dolomitic?) QV near 75.4m in gray quartzite.

75.8

End of Hole.

Core stored at Vine Properties, Hidden Valley Road.



GEOCHEMICAL ANALYSIS CERTIFICATE



Sedex Mining Corp. File # A402001 Page 1

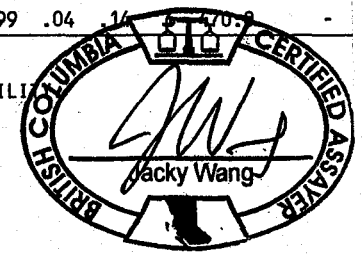
711 - 675 W. Hastings St., Vancouver BC V6B 1N2 Submitted by: Peter Klewchuk

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*	Sample
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb	gm	
SI	1	2	<3	3	<.3	<1	<1	3	.06	<2	<8	<2	<2	3	<.5	<3	<3	<1	.11	<.001	<1	<1	.01	3	<.01	<3	.01	.47	<.01	<2	1.0	-
08401	1	57	19	48	<.3	28	23	545	3.13	15	<8	<2	11	8	<.5	<3	<3	6	.07	.020	39	4	.06	93	<.01	3	.46	.02	.30	<2	10.3	3530
08402	1	50	22	31	.5	29	30	713	2.75	18	<8	<2	12	7	.6	3	<3	5	.06	.016	41	7	.04	64	<.01	5	.42	.02	.26	<2	116.7	1710
08403	1	27	5	19	.5	14	12	244	1.48	10	<8	<2	9	7	<.5	<3	<3	3	.03	.009	38	6	.03	68	<.01	4	.45	.03	.25	<2	134.6	2230
08404	3	20	5	44	<.3	31	11	586	5.11	23	<8	<2	9	10	<.5	<3	<3	3	.08	.049	42	5	.04	79	<.01	3	.42	.02	.25	<2	9.1	400
08405	2	40	8	42	.7	16	13	325	3.36	13	<8	<2	11	9	<.5	<3	<3	6	.04	.026	45	9	.05	62	<.01	6	.50	.02	.28	<2	433.0	1800
08406	3	40	96	72	1.7	15	10	192	2.60	13	<8	<2	9	7	<.5	6	<3	8	.03	.023	31	9	.04	49	<.01	4	.41	.01	.22	2	389.7	2340
08407	1	37	8	48	.3	43	19	704	3.30	15	<8	<2	10	7	<.5	3	<3	5	.04	.017	36	2	.06	63	<.01	<3	.48	.02	.28	<2	13.2	2200
08408	2	29	4	39	.4	28	10	3973	4.43	17	<8	<2	9	12	.5	<3	<3	2	.24	.070	25	4	.06	62	<.01	4	.37	.02	.20	2	84.2	920
08409	1	16	23	40	<.3	8	9	638	2.42	3	<8	<2	12	7	<.5	<3	<3	5	.41	.036	47	9	.16	60	<.01	<3	1.03	.01	.23	<2	5.6	1000
08410	2	39	23	49	<.3	35	21	66	3.87	8	<8	<2	11	6	<.5	<3	<3	7	.11	.035	12	11	.64	59	<.01	3	1.26	.01	.24	<2	5.0	680
08411	1	19	9	51	.4	24	22	342	2.20	16	<8	<2	10	6	<.5	<3	<3	4	.03	.013	41	6	.03	67	<.01	4	.42	.02	.26	<2	24.2	2610
08412	1	16	4	56	.6	20	13	265	1.90	5	<8	<2	8	6	<.5	<3	<3	3	.04	.006	36	8	.04	356	<.01	3	.45	.02	.19	<2	24.6	2450
08413	1	24	9	32	.9	16	14	131	1.59	8	<8	<2	10	6	<.5	<3	<3	3	.02	.009	40	10	.03	65	<.01	<3	.41	.02	.24	<2	25.6	1050
08414	1	34	28	43	.4	25	18	220	2.59	11	<8	<2	10	7	<.5	<3	<3	9	.05	.011	48	6	.04	120	<.01	<3	.50	.01	.25	<2	313.9	730
08415	1	28	45	57	.5	16	8	663	2.89	10	<8	<2	4	5	<.5	3	<3	3	.09	.009	10	8	.04	40	<.01	4	.26	.01	.13	2	37.7	670
08416	2	67	158	91	3.3	16	9	353	2.24	13	<8	<2	6	8	<.5	11	<3	9	.06	.016	28	12	.04	69	<.01	<3	.39	.01	.17	3	597.3	1480
08417	1	39	18	37	<.3	28	13	187	3.83	11	<8	<2	9	8	<.5	3	<3	6	.02	.016	20	6	.18	53	<.01	3	.73	.03	.25	<2	2.9	2460
08418	2	46	45	47	<.3	24	12	124	3.18	12	<8	<2	10	11	<.5	<3	<3	16	.10	.012	33	7	.06	185	<.01	<3	.51	.02	.27	<2	121.2	330
RE 08418	2	45	44	47	<.3	23	12	122	3.10	11	<8	<2	10	11	<.5	<3	<3	16	.10	.011	32	7	.06	176	<.01	5	.49	.02	.27	2	122.1	-
RRE 08418	1	48	48	49	<.3	24	12	122	3.24	12	<8	<2	11	10	<.5	3	<3	19	.09	.012	35	4	.06	75	<.01	4	.57	.02	.30	<2	126.8	-
08419	2	23	16	27	<.3	25	12	833	4.81	9	<8	<2	5	7	<.5	<3	<3	3	.32	.032	20	8	.15	35	<.01	3	.35	.02	.12	3	5.4	1140
08420	<1	11	<3	68	<.3	40	14	8810	5.54	15	<8	<2	<2	8	.6	<3	4	3	.64	.031	12	6	.12	78	<.01	<3	.20	.01	.12	6	2.6	1830
08421	1	76	135	83	6.6	12	4	90	1.69	<2	<8	<2	6	10	<.5	<3	<3	11	.17	.032	20	10	.09	35	<.01	3	.36	.01	.14	3	143.3	640
08422	1	20	<3	41	.3	36	16	200	4.52	7	<8	<2	11	9	<.5	<3	<3	3	.07	.046	37	4	.05	58	<.01	4	.46	.03	.23	<2	7.7	2270
08423	2	44	<3	103	<.3	55	16	154	6.82	12	<8	<2	10	14	<.5	3	5	2	.18	.126	24	5	.06	68	<.01	4	.45	.03	.17	2	4.7	1150
08424	2	33	6	57	.4	32	7	140	7.13	19	<8	<2	3	14	<.5	9	3	3	.23	.106	18	8	.04	46	<.01	<3	.27	.02	.11	3	1.3	630
08425	2	43	100	58	.9	23	15	95	3.04	22	<8	<2	13	10	<.5	8	3	10	.11	.030	43	6	.05	92	<.01	5	.48	.01	.24	<2	364.6	2200
08426	1	22	80	38	1.0	9	9	183	1.97	5	<8	<2	10	7	<.5	<3	<3	7	.06	.010	37	9	.05	48	<.01	8	.49	.01	.22	<2	108.4	1830
08427	1	47	3	50	<.3	28	12	926	4.66	13	<8	<2	9	6	<.5	3	3	4	.11	.026	37	7	.15	51	<.01	<3	.49	.02	.21	3	12.2	1050
08428	4	36	79	20	.3	34	19	560	3.94	22	<8	<2	7	17	<.5	4	3	7	.64	.049	12	6	1.12	40	<.01	6	.46	.01	.27	<2	4.3	3650
08429	7	615	1734	523	58.8	17	9	386	2.09	30	<8	<2	4	59	7.0	267	<3	16	1.57	.020	11	12	.90	39	<.01	4	.34	.01	.16	2	304.7	330
08430	4	21	8	26	2.1	21	11	538	2.60	14	<8	<2	6	63	<.5	4	<3	12	1.57	.048	10	8	.95	42	<.01	5	.40	.01	.30	<2	550.4	1790
08431	1	13	9	10	.6	13	10	533	2.84	11	<8	<2	9	39	<.5	4	<3	6	1.16	.031	14	9	1.14	35	<.01	6	.32	.01	.24	<2	54.9	970
08432	4	30	12	136	<.3	23	13	1118	3.55	10	<8	<2	8	40	.7	5	4	10	1.80	.047	13	12	1.91	53	<.01	7	1.08	.02	.27	2	4.9	4180
STANDARD DS5/AU-R	13	144	26	134	<.3	25	13	759	3.01	19	<8	<2	3	48	5.6	5	6	62	.74	.094	12	189	.69	138	.10	16	1.99	.04	.16	.14	10.9	-

Appendix 2. Geochemical Analyses of Diamond Drill Core

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.  
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.  
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
- SAMPLE TYPE: CORE R150 60C AU\* IGNITED, ACID LEACHED, ANALYZED BY ICP-MS. (15 gm)  
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA DATE RECEIVED: MAY 11 2004 DATE REPORT MAILED: May 20/2004



All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*	Sample
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	gm
08433	10	42	107	48	<.3	34	22	1780	6.05	12	<8	<2	6	103	.6	8	3	9	3.22	.044	4	14	2.41	39	<.01	4	1.20	.01	.19	<2	3.7	1720
08434	5	41	33	36	.3	31	20	1551	4.32	9	<8	<2	8	111	<.5	5	<3	12	2.77	.045	6	14	2.37	52	<.01	7	1.44	.01	.27	<2	3.5	1330
08435	6	53	12	55	<.3	26	13	706	2.98	11	<8	<2	9	21	<.5	3	<3	15	.98	.049	12	20	1.38	64	.01	5	1.22	.01	.37	<2	2.2	3420
08436	2	34	21	60	<.3	26	13	1039	3.22	4	<8	<2	9	40	<.5	3	<3	15	1.93	.047	10	19	2.16	56	.02	6	1.50	.01	.40	<2	1.3	2800
08437	3	34	18	54	<.3	29	16	983	3.33	6	<8	<2	8	42	<.5	<3	<3	15	1.79	.049	15	21	2.16	63	.03	7	1.60	.01	.59	<2	2.5	1780
08438	1	24	12	27	<.3	9	5	141	1.40	<2	<8	<2	11	4	<.5	<3	3	3	.08	.013	33	9	.06	48	<.01	3	.54	.01	.12	<2	.9	380
08439	1	8	11	22	<.3	6	4	56	.87	<2	<8	<2	11	4	<.5	<3	<3	2	.07	.013	39	8	.05	42	<.01	<3	.54	.01	.09	2	<.5	2090
08440	2	18	20	362	<.3	20	9	388	1.62	3	<8	<2	11	4	.6	<3	<3	2	.05	.017	26	6	.05	60	<.01	5	.46	.02	.20	<2	3.5	1000
08441	1	9	7	11	<.3	10	8	115	1.93	<2	<8	<2	14	7	<.5	<3	<3	3	.15	.017	38	14	.13	56	<.01	5	.47	.03	.16	2	2.3	2050
08442	16	40	23	32	<.3	31	15	117	3.06	6	<8	<2	11	8	<.5	<3	<3	6	.17	.054	25	10	.48	55	<.01	5	1.11	.01	.25	<2	1.7	550
08443	1	291	<3	67	.3	111	40	379	6.91	<2	13	<2	2	22	<.5	<3	<3	81	1.32	.333	17	259	.88	41	<.01	8	1.24	.01	.24	<2	3.2	270
08444	1	25	244	31	.4	4	2	14	1.75	26	<8	<2	18	37	<.5	3	<3	4	.08	.043	68	7	.08	94	<.01	5	.67	.02	.34	<2	261.8	280
RE 08444	1	25	241	31	.6	4	2	14	1.74	28	<8	<2	18	37	<.5	<3	3	4	.08	.043	68	6	.08	94	<.01	4	.66	.02	.34	<2	276.7	-
RRE 08444	2	27	248	27	.5	4	2	15	1.76	28	<8	<2	17	38	<.5	<3	<3	4	.09	.045	69	9	.08	97	<.01	<3	.70	.02	.36	<2	268.8	-
08445	1	13	13	27	<.3	9	4	25	1.28	<2	<8	<2	13	5	<.5	<3	<3	3	.07	.009	39	7	.07	53	<.01	4	.65	.01	.20	<2	7.1	2300
08446	1	15	13	176	.7	14	7	64	2.45	2	<8	<2	10	6	<.5	<3	<3	3	.08	.018	34	8	.06	88	<.01	6	.84	.02	.17	2	6.6	800
08447	<1	15	41	168	<.3	32	13	1445	6.59	7	<8	<2	9	8	<.5	<3	<3	3	.07	.010	30	6	.06	97	<.01	7	.73	.02	.11	<2	3.9	1020
08448	1	11	35	112	<.3	28	11	3660	4.47	3	<8	<2	8	7	1.6	<3	<3	1	.06	.015	27	6	.05	101	<.01	4	.48	.01	.09	2	5.1	1160
08449	<1	16	7	124	2.2	27	23	11177	2.03	4	<8	<2	13	22	4.2	<3	4	2	.16	.053	34	5	.07	142	<.01	6	.46	.03	.22	2	5.9	2280
08450	1	70	8	45	<.3	22	18	419	2.68	21	<8	<2	11	8	<.5	<3	<3	5	.04	.033	30	8	.04	70	<.01	6	.44	.03	.20	<2	6.7	1080
08451	<1	10	6	34	<.3	10	8	156	1.76	3	<8	<2	12	8	<.5	<3	<3	2	.03	.032	40	8	.03	47	<.01	6	.35	.04	.12	<2	1.0	1610
08452	8	75	21	79	.4	73	21	338	6.51	36	<8	<2	9	7	<.5	4	<3	7	.05	.063	26	4	.06	47	<.01	7	.41	.02	.20	<2	2.1	1730
08453	2	54	12	90	<.3	40	12	135	5.08	22	<8	<2	8	8	<.5	<3	<3	6	.04	.026	26	7	.04	51	<.01	7	.42	.03	.22	<2	3.6	1310
08454	3	25	16	57	<.3	44	44	4174	7.45	29	<8	<2	10	8	<.5	<3	<3	3	.09	.097	33	6	.07	64	<.01	7	.40	.02	.23	<2	2.8	3010
08455	<1	42	10	71	.3	66	15	2045	3.92	8	<8	<2	10	6	<.5	<3	3	7	.09	.016	32	10	.19	65	<.01	6	1.09	.01	.21	<2	2.4	770
08456	1	30	5	31	<.3	23	7	275	5.33	15	<8	<2	8	6	<.5	<3	<3	3	.16	.044	25	5	.06	45	<.01	6	.35	.02	.18	2	2.7	1940
STANDARD DS5/AU-R	13	145	24	131	.3	25	12	744	2.94	18	<8	<2	2	45	5.5	3	7	62	.72	.091	11	181	.68	137	.10	17	1.99	.03	.13	4	469.1	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.