SUMMARY REPORT

ON THE

BULLDOZER PROPERTY

(BULLDOZER AND JEMBI OPTIONS)

SHABOTIC RIVER AREA

ONTARIO, CANADA

NTS: 42C/13NE and 42C/14NW

Latitude: 48° 58' 30"N Longitude: 85° 29' 00"W

Prepared for 2.21081

Freewest Resources Canada Inc.
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Thunder Bay, Ontario.
Canada. P7B 6B6

Prepared by

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February 15, 2001

42C14NW2005 2.21081 SHABOTIK RIVER 010

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2.2108

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Summary

The Bulldozer-Jembi Option (Bulldozer Property) of Freewest Resources Canada Inc. (FWR) comprises the central and northern portions of the large, contiguous Tyko-Bulldozer-Jembi Property. The property consists of 3 separate options: the Tyko (17 claims, 252 units), Bulldozer (19 claims, 220 units), the Jembi (14 claims,181 units), totalling 653 units (10570 hectares). The property is located in northern Ontario approximately 280 km east-northeast of Thunder Bay, 75 km northeast of Marathon, 45 km north of White River, and 30 km east-southeast of Manitouwadge. It occurs within the Olga Lake (G-604) and Shabotic River (G-3781) areas of the Thunder Bay Mining Division, within NTS blocks 42C/13NE and 42C/14NW, and is centred on Latitude 48°58'30"N, Longitude 85°29'00"W. Access to the Bulldozer Option is by a sequence of logging roads from White River, helicopter from Marathon, or float/ski-equipped aircraft from White River.

This report will only deal with the Bulldozer and Jembi options (referred to as the Bulldozer Option). Prospecting was also completed on the Gum Property upon which FWR had the first right of refusal. The Tyko Option will be described in a separate report by Ian Spence. The Bulldozer Option is mainly underlain by the partially disaggregated Bulldozer Mafic/Ultramafic Complex located near the northern margins of the composite, tonalitic to granodioritic Black-Pic Batholith within an area that has never been mapped by provincial or federal geological surveys. The remnants of the Bulldozer Complex are readily visible on airborne magnetic maps as a large, strong, 10 by 7 km, northwest-southeast-oriented, elliptical anomaly with a north-trending western apophysis. The Tyko Intrusion, a much smaller body located approximately 5 km to the southwest, is barely visible as a weak to moderate strength anomaly flanking a strong, northeast-trending, linear high.

There has been little historic exploration activity within Bulldozer area, mainly due to the absence of government mapping and the assumption that the area was completely underlain by intermediate to felsic granitoid rocks. The small amount of exploration work completed previous to the FWR program focussed on Cu, Ni, and the platinum-group elements (PGE's) and led to the discovery of 5 Cu-Ni+/-PGE occurrences. The recently discovered Tyko Occurrence (1999) is located within the Tyko Option and the Bulldozer, L1, and Magna occurrences (1999) are located within the Bulldozer Option. The historic Shabotik Occurrence is located outside the property, approximately 5.5 km southeast of the Bulldozer Occurrence. Numerous sulphide showings, 7 low-grade Cu+/-PGE occurrences, and 1 Cu-mineralized boulder were discovered during the 2000 mapping and prospecting program.

None of the 10 occurrences contained within the Bulldozer Property exhibit any lateral extent or size-potential. The Bulldozer Occurrence is the most significant and consists of up to 30%, apparently remobilised, disseminated to stringered, locally net-textured veins of chalcopyrite and pyrite occurring within a variably sheared, west-northwest-striking mineralized zone. The mineralization has been traced for 16 m and apparently pinches out to the north and south. It is hosted within a large fractured, locally brecciated block of hornblende-phyric gabbro

and hornblendite within the southeastern margins of the Bulldozer Complex. Numerous, irregular pods and patches of disseminated sulphides occur as a widespread, diffuse halo surrounding the occurrence. No mafic-ultramafic intrusive rocks nor Cu-Ni-PGE mineralization was observed within the Jembi Option or the Gum Property.

Recommendations

It is recommended that no further work be done on either the Bulldozer or Jembi options and the property returned to their respective vendors.

Introduction

Freewest Resources Canada Inc. (FWR) acquired an option on the 19 claim (220 unit) Bulldozer Property and the 14 claim Jembi Property located in the Shabotic River Area of northern Ontario in late 1999. This options occupy the eastern, central, and northern portions of the large, 653 unit (10570 hectare), Tyko-Bulldozer-Jembi Property which also includes the 17 claim Tyko (252 units). Mr. Don Hoy of Freewest contracted Appinite Geological Consulting to supervise prospecting on the Bulldozer Option and to produce geological map of the 200 m-spaced grid cut over the southeastern portion of the option.

Location and Access

The Bulldozer and Jembi options (*see* Figure 1) are located in northern Ontario approximately 280 km east-northeast of Thunder Bay, 75 km northeast of Marathon, 45 km north-northwest of White River, and 38 km east-southeast of Manitouwadge. The 2 options are referred to as the Bulldozer Property and occur within the Shabotic River (G-3781) area of the Thunder Bay Mining Division, within NTS block 42 C/13NE, and are roughly centred on Latitude 48°58'00"N, Longitude 85°26'00"W.

Access to the southeastern and southern portions of the property is via a network of Domtar logging roads beginning approximately 70 km south near the town of White River. The road network begins with Domtar Road 100 at the Domtar Mill on Highway 17 and leads north to Domtar Roads 135, 400, 403, 403-130, and 403-134, resepectively. The eastern and northern portions of the property are accessed by a series of ATV trails beginning near where Domtar Road 403-130 crosses the Gum River. The remainder of the property can only be accessed by helicopter from Marathon or float/ski-equipped aircraft from White River.

Topography and Vegetation

The topography of the property is moderate with several ridges and numerous small to medium-sized lakes and streams. Local relief is in the order of 125 m (300 ft), from <335 m (1100 ft) to >460 m (1500 ft) above sea level, and locally exhibits up to 100 m elevation changes over distances of approximately 1000 m. The most rugged terrain occurs between Road 403-130 and Bulldozer Lake.

There is little exposed outcrop (<<5%) and much of the property is covered by thick glacial and glaciofluvial debris. The outcrops generally occur in isolated clusters near the tops of ridges and hills. Tree cover consists of thick, mature stands of trembling aspen, white birch, jack pine, black spruce, and balsam fir. Undergrowth consists of mountain maple and/or tag alder, immature black spruce, and balsam fir. There is considerable localized deadfall. Cedar and/or black spruce swamps are common and some of the swamps are quite large. The southern portions of the grid have recently been clearcut by Domtar and exhibit no trees or undergrowth. Logging was completed in 1999 and there is no secondary growth.

The climate is cold temperate with moderate to occasionally hot summers with average temperatures in the 18 to 25°C range. Winters are long and characterized by 1.5 to 2 m, occasionally up to 3 m of snow cover and average temperatures of -15 to -25°C. First snowfall is usually in mid-October with permanent snow accumulating in early November. Snow cover persists well into April and lake ice to early- or mid-May.

Property

Freewest's Bulldozer Property (*see* Figure 2) comprises the eastern, central, and northern portions of the large Tyko-Bulldozer-Jembi Property. The property consists of 3 separate options: the Tyko (17 claims, 252 units), Bulldozer (19 claims, 220 units), the Jembi (14 claims,181 units), totalling 653 units (10570 hectares). The Bulldozer and Jembi portions of the claim group are under option from Gryphon Metals Corporation and Cassidy Gold Corp. All claims are in good standing and are listed in Tables 1 and 2 (*see* below).

Table 1: Bulldozer Option - Claims List

Claim Numbers	Claim Units	Area (ha)	Anniversary Date	Claim Ownership	Work Required
TB 1164177	9	145.7	April 14, 2001	Cox, Halverson, Ternowesky	3600
TB 1164178	12	194.3	April 14, 2001	Cox, Halverson, Ternowesky	4800
TB 1216323	9	145.7	May 15, 2001	Cox, Halverson, Ternowesky	3600
TB 1216324	9	145.7	May 15, 2001	Cox, Halverson, Ternowesky	3600
TB 1216325	9	145.7	May 15, 2001	Cox, Halverson, Ternowesky	3600
TB 1216329	12	194.3	April 14, 2001	Cox, Halverson, Ternowesky	4800
TB 1231857	6	97.1	July 13, 2001	Cox, Halverson, Ternowesky	2400
TB 1237669	6	97.1	May 7, 2001	Gryphon Metals Corporation	2400
TB 1237670	12	194.3	May 7, 2001	Gryphon Metals Corporation	4800
TB 1237671	16	258.9	May 7, 2001	Gryphon Metals Corporation	6400
TB 1237672	16	258.9	May 7, 2001	Gryphon Metals Corporation	6400
TB 1237673	16	258.9	May 7, 2001	Gryphon Metals Corporation	6400
TB 1237674	16	258.9	May 7, 2001	Gryphon Metals Corporation	6400
TB 1237675	16	258.9	May 7, 2001	Gryphon Metals Corporation	6400
TB 1237676	12	194.3	May 7, 2001	Gryphon Metals Corporation	4800
TB 1237677	8	129.4	May 7, 2001	Gryphon Metals Corporation	3200
TB 1237678	16	258.9	May 7, 2001	Gryphon Metals Corporation	6400
TB 1237679	16	258.9	May 7, 2001	Gryphon Metals Corporation	6400
TB 1237680	4	64.7	May 7, 2001	Gryphon Metals Corporation	1600
19	**220**	**3560.6**		**TOTALS**	**88,000**

Table 2: Jembi Option - Claims List

Claim Numbers	Claim Units	Area (ha)	Anniversary Date	Claim Ownership	Work Required
TB 1153952	16	259.0	December 16, 2001	Gryphon Metals Corporation	6400
TB 1153953	16	259.0	December 16, 2001	Gryphon Metals Corporation	6400
TB 1153954	16	259.0	December 16, 2001	Gryphon Metals Corporation	6400
TB 1153955	16	259.0	December 16, 2001	Gryphon Metals Corporation	6400
TB 1153956	16	259.0	December 16, 2001	Gryphon Metals Corporation	6400
TB 1153957	16	259.0	December 16, 2001	Gryphon Metals Corporation	6400
TB 1153958	12	194.3	December 16, 2001	Gryphon Metals Corporation	4800
TB 1153959	16	259.0	December 16, 2001	Gryphon Metals Corporation	6400
TB 1153960	6	97.1	December 16, 2001	Gryphon Metals Corporation	2400
TB 1153961	15	242.8	December 16, 2001	Gryphon Metals Corporation	6000
TB 1153962	12	194.3	December 16, 2001	Gryphon Metals Corporation	4800
TB 1153963	12	194.3	December 16, 2001	Gryphon Metals Corporation	4800
TB 1217368	6	97.1	December 16, 2001	Gryphon Metals Corporation	2400
TB 1217369	8	129.5	December 16, 2001	Gryphon Metals Corporation	3200
14	**183**	**2962.4**		**TOTALS**	**73,200**

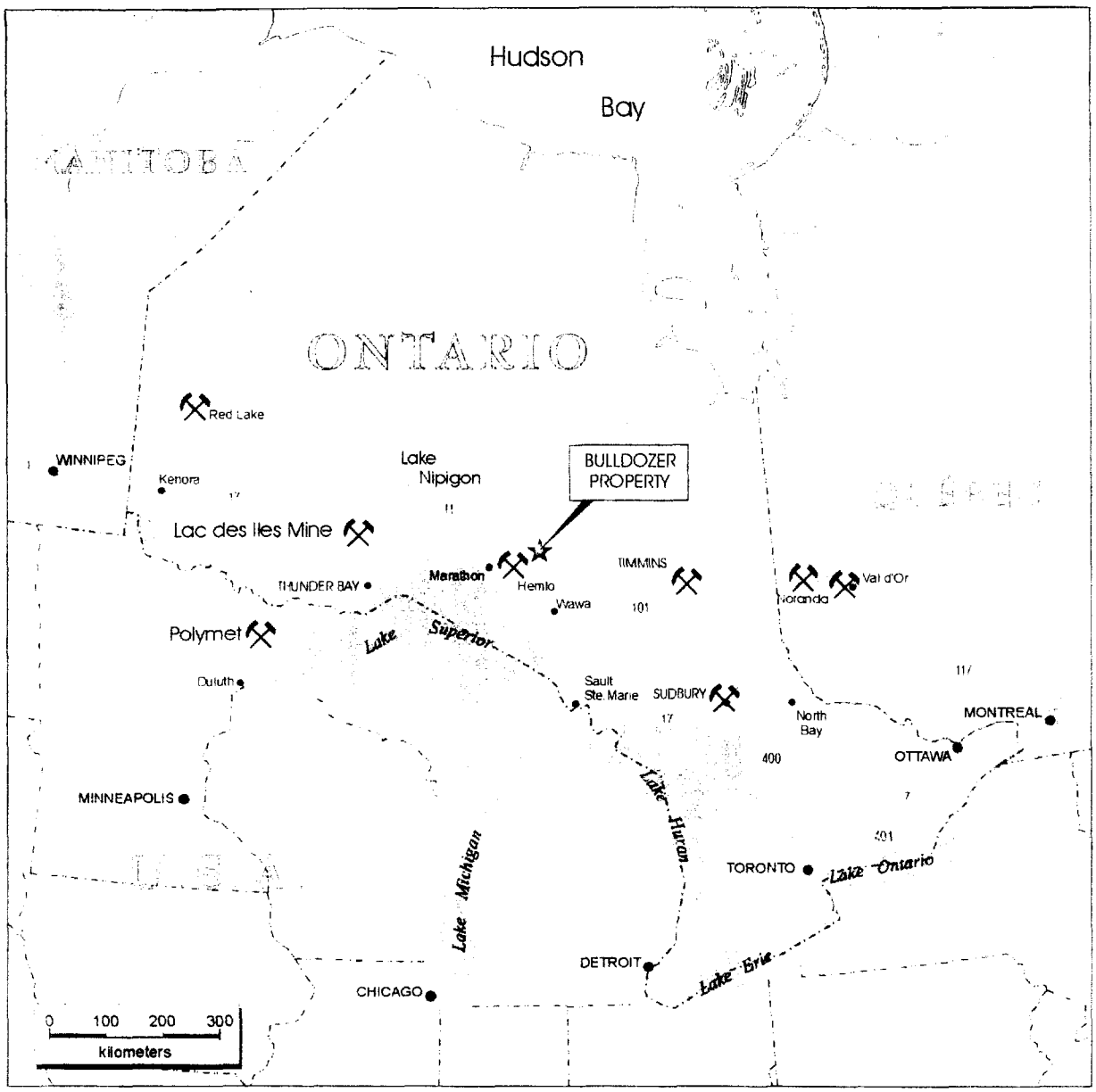


FIGURE 1

FREEWEST EXPLORATION CANADA INC.
BULLDOZER PROPERTY
ONTARIO LOCATION MAP

Base Map Source: National Atlas of Canada, 1:10,000,000 digital map, http://geogratis.cgdi.gc.ca

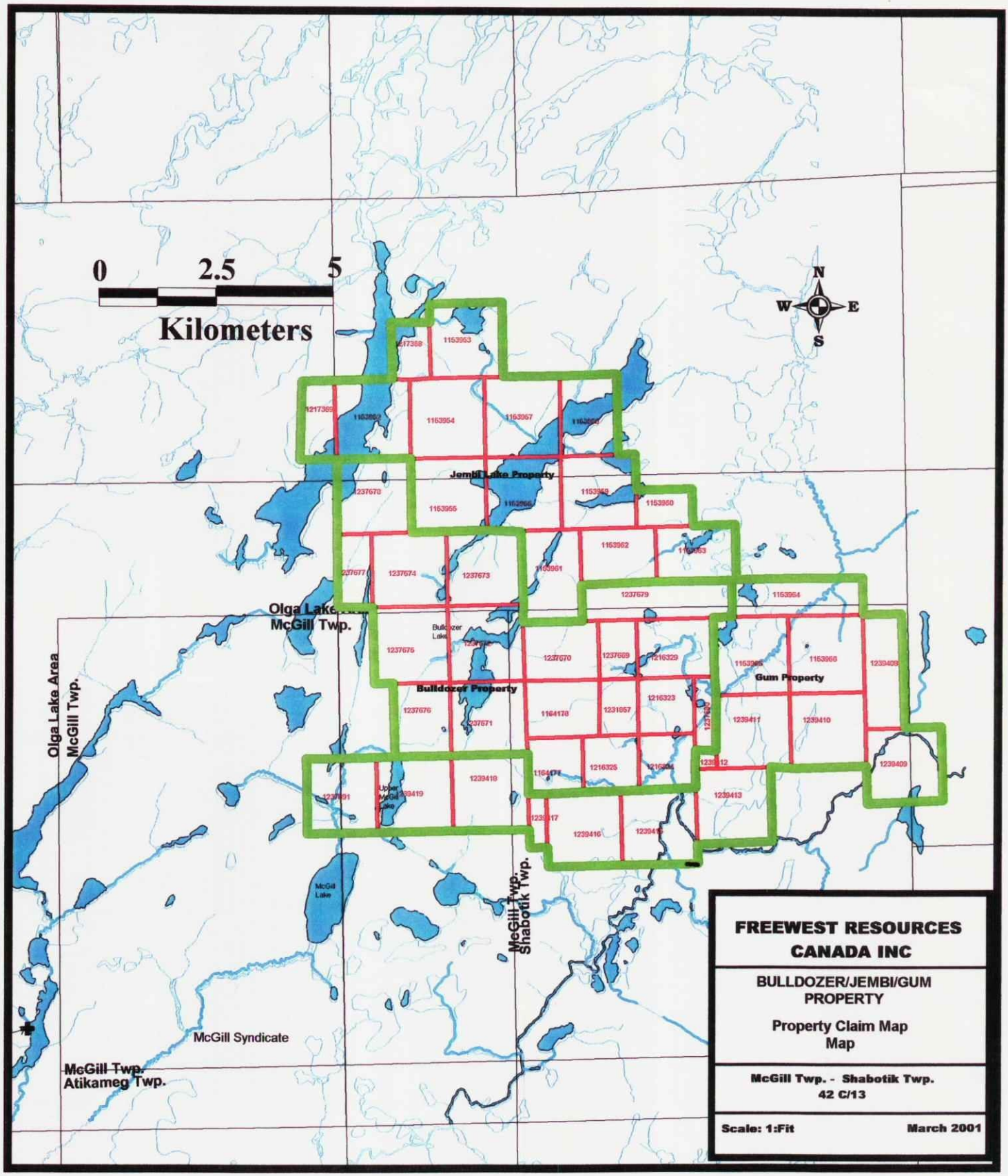


Figure 2: Bulldozer Property Claim Map

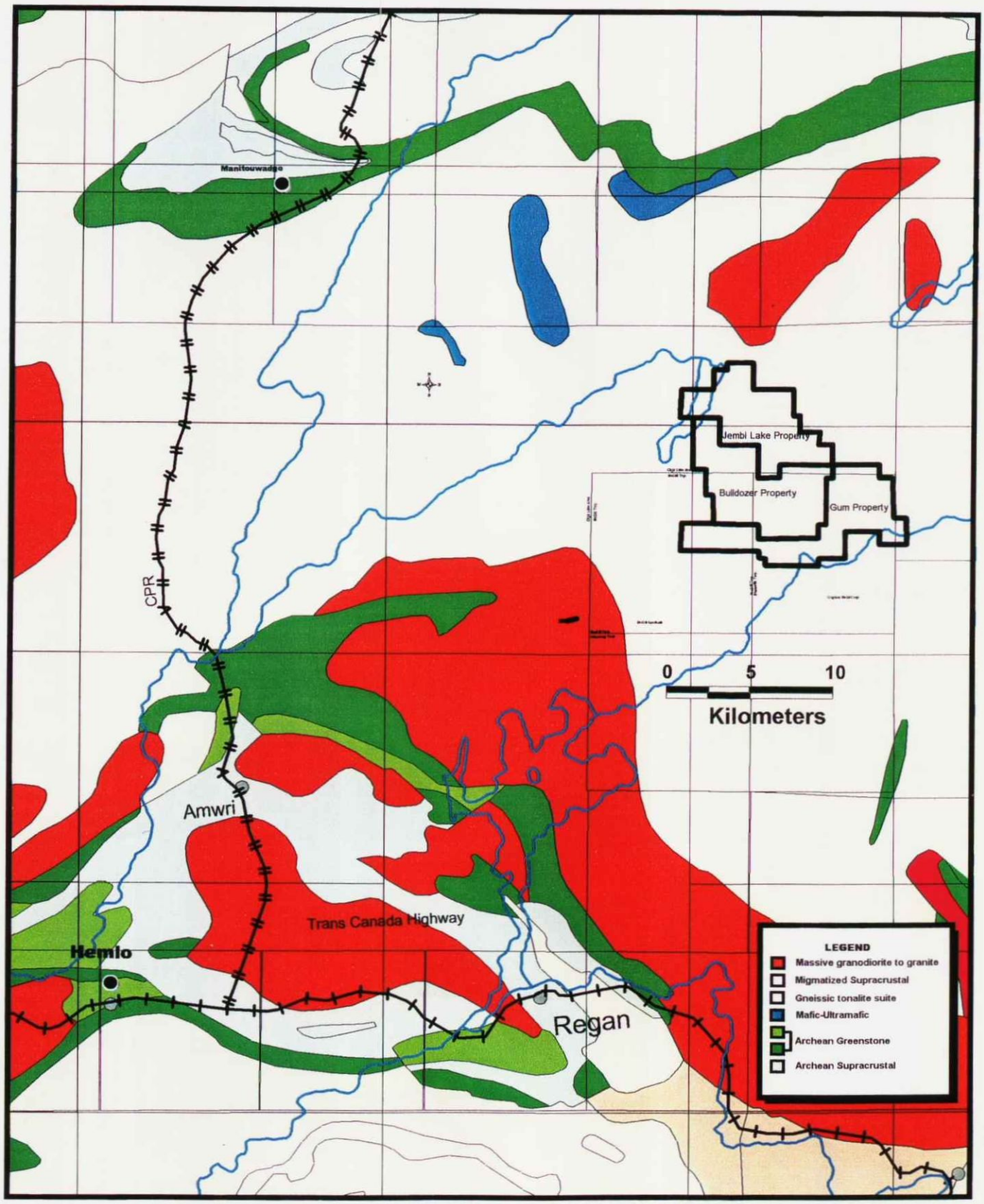


Figure 3: Regional Geology Map

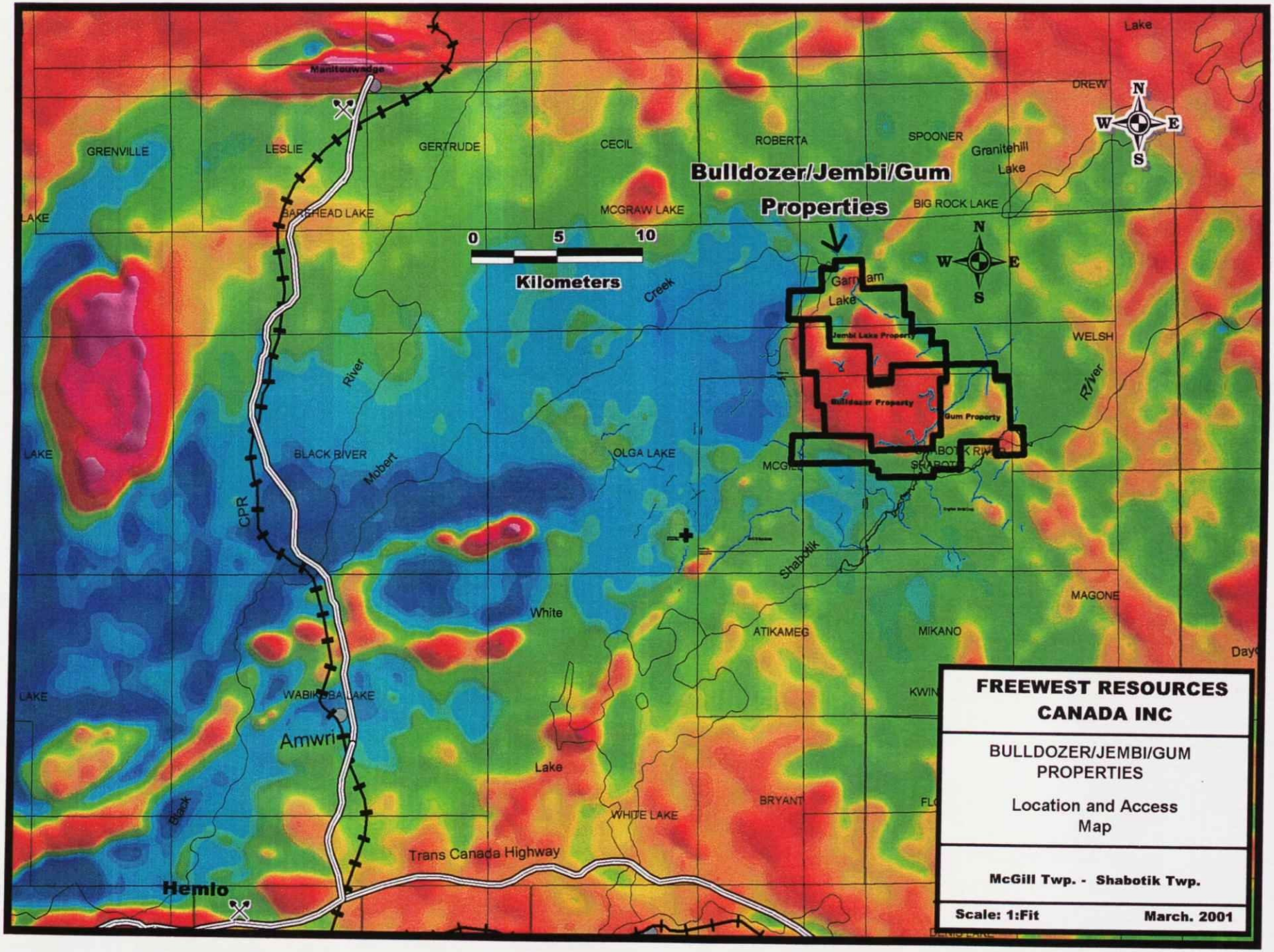


Figure 4: Regional Total Field Magnetic with Property Boundary Map

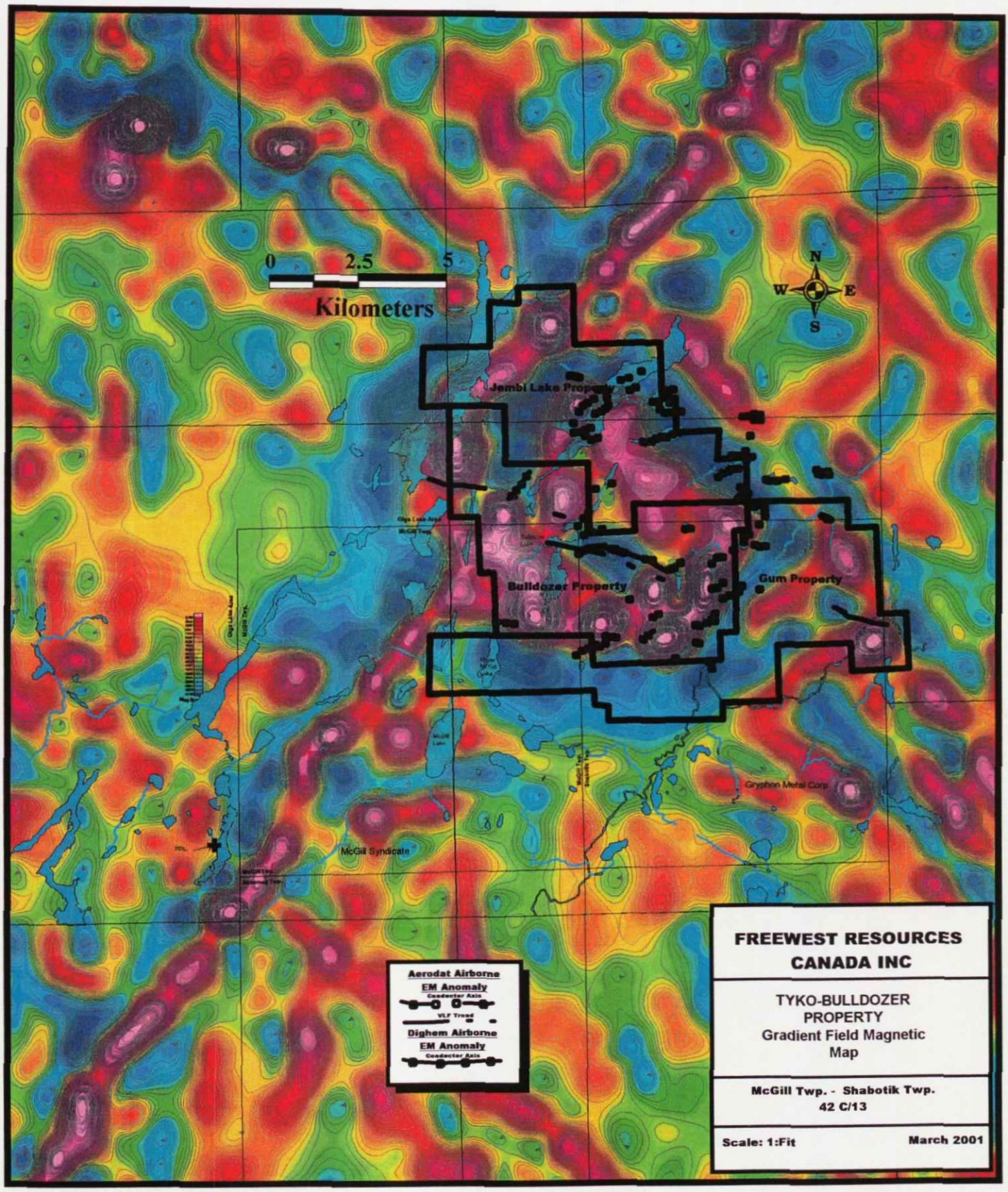


Figure 5: Airborne Gradient Field Magnetic and Electro-Magnetic Data

greenstone belt to the east (Williams et al. 1991). Like most maps of the region a compilation map by Milne (1968) shows no data for the area; however, the blank spot is flanked to the east by a southwest-trending, metasedimentary schist and gneiss unit and to the north and west by granodiorite, granodiorite gneiss, and migmatite.

The Bulldozer Mafic-Ultramafic Complex is readily visible on airborne magnetic maps as a large (10 by 7 km), strong, elliptical anomaly with a north-trending, western apophysis (*see* Figures 4 and 5). A strong northeast-trending, linear anomaly cross-cuts and apparently offsets the western portions of the Bulldozer anomaly and probably represents a thick diabase dyke or cluster of several narrower dykes occupying a pre-existing structure.

All rock-types in the region are cross-cut by numerous, moderate to strong, linear, magnetic anomalies (Figures 4 and 5) generally representing Paleo-Proterozoic, quartz and locally olivine diabase dykes of the northwest-trending Matachewan (2454 Ma, Heaman 1988) and northeast-trending Marathon (2170 Ma, Fahrig and West 1986) swarms (Osmani 1991). Many of these dykes occupy pre-existing faults.

Previous Exploration and Government Surveys

There has been little historic exploration activity within Bulldozer area, mainly due to the absence of government mapping and the assumption that the area was underlain by intermediate to felsic granitoid rocks. The small amount of work completed previous to the present Freewest program focussed on Cu, Ni, and the platinum-group elements (PGE's) and led to the discovery of 3 Cu-Ni-PGE occurrences. The recently discovered Bulldozer and re-discovered Tyko occurrences (1999) are located within the Bulldozer and Tyko options, respectively, and the historic Shabotik Occurrence (1968) is located outside the property, approximately 5.5 km southeast of the Bulldozer Occurrence.

Previous exploration in the vicinity of the Bulldozer Option, as researched from the Resident Geologist's Assessment Files (Thunder Bay South, Ontario Geological Survey), Thunder Bay, Ontario, and McKay (1994), is summarized below:

Circa 1950: Sulphides were discovered in the vicinity of the Tyko Occurrence by Tyko (unknown last name) while walking on an old Abitibi winter road leading from Pickle Lake to Bulldozer Lake.

1968 and 1969: ***George Longtin*** staked a 16 claim property in 1968 to cover a sulphide showing located near the Shabotik River. The ***Two L's Mining Co. Ltd.*** acquired the property early in 1969 and subsequently completed stripping, trenching, sampling, and 4 diamond drill holes, totalling 234 ft (71.32 m). Trench samples were reported to contain up to 25% disseminated '*pyrrhotite, pentlandite, chalcopyrite, sphalerite (?), silver, platinum, and cobalt*'. One of the drill holes was reported to intersect up to 64 ft (19.5 m) of mineralized gabbro. No assays are available.

1978 and 1979, 1990: A regional lake sediment and water geochemical survey was completed by the ***Geological Survey of Canada*** and the ***Ontario Ministry of Natural Resources***. All of the samples were re-analysed for Au and 25 other elements in 1990.

1983: ***William Blakey*** staked a large, U-shaped group of claims, covering most of the present property, and contracted Aerodat Ltd. to fly a combined helicopter-borne magnetic, electromagnetic, and VLF-EM survey. Several weak- to moderate-strength, short strike-length EM conductors were detected. No follow-up work is recorded.

1983 and 1984: During 1983 ***Golden Rule Resources Ltd.*** staked a 179 claim group located between the eastern and western arms of the William Blakey property. A Dighem airborne magnetometer, electromagnetic, resistivity, and VLF-EM survey was completed in 1984. The survey detected numerous weak, locally indeterminate airborne EM anomalies and a series of resistivity lows. There is no record of any follow-up work.

1985 and 1986: A small, 4 claim property was staked over the Shabotik Occurrence by ***G.F. Carroll*** in 1985. He excavated and sampled one trench and obtained analyses of up to 0.45% Cu, 0.66% Ni, 0.016% Co, 0.006 opt Pt, and 0.013 opt Pd. The claims were allowed to lapse in 1987.

1988 to Present: The Shabotik Occurrence was staked in 1988 by ***R. and G. Gionet*** who completed prospecting, trenching, and sampling in the vicinity of the existing occurrence. Samples taken by the Schreiber-Hemlo District Resident Geologist (Ontario Geological Survey) contained up to 2.66% Cu, 1.00% Ni, 3050 ppb Pt, and 1125 ppb Pd over widths of up to 1.1 m. The 16 claim property was optioned to ***Noramco Mining Corporation*** in 1989 who staked an additional 34 claims and completed linecutting, detailed grid and trench mapping, ground magnetometer, VLF-EM, and IP-EM surveys, B-horizon soils, 9500 m^2 of stripping and trenching, channel sampling, and grab and chip sampling. The company outlined 2 exposed mineralized zones and a possible third buried zone. The *East Zone* consisted of disseminated to net-textured pyrite, chalcopyrite, and pentlandite within a xenolithic quartz-hornblende gabbro near the western margins of a hornblendite body. The zone exhibited elevated chargeability and depressed resistivity and was traced for 35 m with an average width of 3 m. Sampling obtained up to 0.82% Cu, 0.82% Ni, 350 ppb Pt, and 572 ppb Pd. The *West Zone* consisted of disseminated pyrite and trace chalcopyrite within a dyke-like body of quartz-hornblende gabbro. No significant analyses were obtained from this zone. Noramco completed 5 diamond drill holes, totalling 613 m, early in 1990. Four of the holes tested IP-EM anomalies and the remaining hole tested the East Zone. No significant base or precious metals were intersected during the drilling and Noramco dropped their option later that year. The Gionet brothers contracted a Pulse-EM (PEM) survey centred on the occurrence in 1991. No significant PEM response was detected, effectively ruling out the presence of any conductive body down to a depth of 300 m.

1989: ***Noranda Exploration Co. Ltd.*** contracted an Aerodat helicopter-borne magnetometer and EM survey over a large area including the Manitouwadge, eastern Schreiber-Hemlo, and Dayohessarah greenstone belts.

1998 to Present: ***J. Ternowesky, W.L Cox, and L. Halverson*** staked 7 claims (66 units) along the southeastern margin of the Bulldozer Mafic-Ultramafic Complex early in 1998. The Bulldozer Occurrence and several other sulphide occurrences were discovered early in 1999 during an exploration program that included linecutting (400 m-spaced lines), ground magnetometer and VLF-EM surveys, and limited prospecting. ***Gryphon Metals Corporation*** optioned the property a short time later and staked another 12 claims (154 units) to the west of the existing claims. Gryphon cut 200 m-spaced infill lines on the grid and completed a magnetometer survey during late 1999 and early 2000. Gryphon subsequently optioned the property to ***Freewest Resources Canada Inc.*** who then completed prospecting and geological mapping during the early summer of 2000. Samples taken by a variety of parties (OGS, Gryphon, Inco, Halverson and Cox) contain up to 3.90% Cu, 0.12% Ni, 0.24% Co, 7 ppm Ag, 497 ppb Pd, and 76 ppb Pt.

1999 to Present: Prospecting by ***Brian Mealey and Ian Spence*** re-discovered the Tyko PGE-Cu-Ni Occurrence in October 1999. The core of the adjacent Tyko Option (4 claims, 56 units) was staked soon after. The discovery samples contained up to 1085 ppb Pd, 840 ppb Pt, 4528 ppm Cu, and 6896 ppm Ni. A subsequent test pit at the discovery site uncovered a Ni-Cu sulphide-bearing ultramafic intrusive rock containing up to 1.00% Cu, 2.17% Ni, 1591 ppb Pd, 840 ppb Pt, and 105 ppb Au. Samples taken by the OGS Resident Geologist contained up to 3.82% Ni, 0.86% Cu, 624 ppb Pd, and 444 ppb Pt. The property was optioned to ***Freewest Resources Canada Inc.*** late in 1999. Freewest completed ground magnetometer, VLF-EM, and IP/resistivity surveys, reconnaissance and detailed prospecting, geological mapping, stripping, trenching, and channel sampling during spring and summer 2000.

Property Geology

Previous to the present geological mapping and prospecting program there was little known about the geology of the Bulldozer Option and even less about the underlying Bulldozer Mafic-Ultramafic Complex. No federal, provincial, or company geological mapping, at any scale, had been completed. The complete geological knowledge of the area was confined to descriptions of the Bulldozer and Tyko occurrences by Schnieders et al. (2000) for the Thunder Bay Resident Geologist's Office, Ontario Geological Survey and Spence (1999a) for Gryphon Metals Corporation, respectively.

Geological mapping of the Bulldozer Grid (*see* Map 3, Back Pocket) and the various mineral occurrences was completed by Allan MacTavish of Appinite Geological Consulting between May 19 and June 28, 2000.

Grid mapping and regional prospecting clearly show that the eastern two-thirds of the Bulldozer Mafic-Ultramafic Complex has been coarsely brecciated and invaded by emplacement of a late phase of the composite Black-Pic Batholith. The mafic-ultramafic intrusive rocks observed consist of massive to variably well-layered, medium- to coarse-grained gabbro, hornblendite, hornblende pyroxenite, and rarely peridotite that locally exhibit magma mixing textures. All comprise generally small to locally large, remnant, variably fractured, brecciated, metasomatized, and assimilated blocks surrounded and invaded by a variety of variably hybridized, hornblendite and gabbro xenolith-rich tonalite, leucotonalite, quartz diorite, and occasionally metasomatic quartz monzogabbro. The large numbers of mafic and ultramafic intrusive xenoliths are variably metasomatized, assimilated, and disaggregated and their abundance quickly decreases away from the granitoid contact. The remnant blocks can be up to 500 m in diameter and are often strongly faulted. All outcrops observed are fractured with the fractures infilled by a variety of felsic to intermediate intrusive veins and dykes. The granitoid rocks occupying the space between individual blocks is generally coarse-grained , massive to weakly foliated, and locally well-foliated. The mafic-ultramafic rocks present within the remnant blocks appear to have been metamorphosed to amphibolite-grade. All Archean rocks are cross-cut by Paleo-Proterozoic, quartz and locally olivine diabase dykes. Many of the dykes occupy pre-existing faults.

Prospecting

Prospecting of the Bulldozer and Jembi options, the northern portions of the Gum Property, and the eastern two-thirds of the Bulldozer Complex was completed between May 18 and July 8, 2000 by Kevin Keats, Jim Martin, and Dave Maclean of Freewest Resources Canada Inc. All prospecting sample locations and traverse lines are presented on Map 2 (Back Pocket), UTM locations, sample descriptions, and analytical results are presented in Appendix I, and Certificates of Analysis in Appendix II. Anomalous analyses and occurrences are presented on Map 1 (Back Pocket). Most significant analytical results were followed up with detailed prospecting.

Cu-Ni-PGE Mineralization

There are 10 known mineral occurrences and 1 mineralized boulder within the Bulldozer Property (Map 1). Three were previously known (Bulldozer, L1, and Magna occurrences, *see* Figure 6), whereas the other 7 were discovered by FWR prospecting and mapping in June and July 2000. Base and precious metals-rich mineralization was designated an occurrence if it contained greater than 1000 ppm Cu and/or 100 ppb Pd, Pt, or Au. None of these occurrences exhibited any lateral or down-dip continuity and each is briefly described below.

Bulldozer Cu-Ni-Pd Occurrence:

The Bulldozer Occurrence (Map 1, Figures 6, 7, and 8) consists of up to 30% disseminated to stringered, locally net-textured chalcopyrite and pyrite occurring within

northwest-striking gabbro and hornblendite dykes or layers. It is located at L7+45N, 3+12E and occurs within a sheared, 1 to 3 m thick gabbro dyke, with an exposed length of approximately 16 m. The mineralization occurs within, or possibly slightly crosscuts, locally feldspathic, hornblende-oikocrystic, hornblende clinopyroxenite to hornblendite containing pale-green saussuritized plagioclase feldspars. Disseminated sulphides were observed within other outcrops over several hundred metres of strike-length. The sulphides within the main showing may be remobilised; however, the wider-spread, disseminated nature of the sulphides observed along strike is suggestive of a primary magmatic source for the bulk of the mineralization. A short time after the occurrence was discovered (May 1999) Gryphon Metals Corp. took 8 samples (Figure 6) which graded up to 3.43% Cu, 1162 ppm Ni, 2400 ppm Co, 384 ppb Pd, 76 ppb Pt, and 52 ppb Au. A short time later the Thunder Bay South Resident Geologist's Office (Ontario Geological Survey) took 6 samples that contained up to 2.11% Cu, 971 ppm Ni, 170 ppb Pd, and 71 ppb Pt. FWR took a 3 sequences of chip samples (*see* Table 3) across the mineralized zone and obtained from 1726 to 6548 ppm Cu, 112 to 1219 ppm Ni, 28 to 221 ppb Pd, 18 to 16 ppb Pt, and <5 to 28 ppb Au. The FWR work was unable to duplicate the high Cu analyses obtained by the previous samplers. The detailed occurrence geology and sample locations are presented in Figure 8, sample descriptions in Appendix I, and Certificates of Analysis in Appendix II.

Table 3: Bulldozer Cu-Ni-Pd Occurrence Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Cu (ppm)	Ni (ppm)
BD58551	<5	<15	<10	49	46
BD58552	<5	<15	<10	83	44
BD58553	<5	33	26	4650	357
BD58554	<5	27	25	6548	193
BD58555	<5	<15	10	46	80
BD58556	<5	<15	<10	23	30
BD58557	<5	<15	<10	19	35
BD58558	<5	43	49	3747	133
BD58559	7	35	27	1726	112
BD58560	<5	<15	<10	38	38
BD58561	<5	<15	<10	24	17
BD58562	<5	<15	<10	24	52
BD58563	<5	43	44	5380	771
BD58565	28	62	221	4394	1219
BD58957	<5	<15	<10	242	58
BD58958	<5	<15	11	78	59
BD58959	<5	18	29	182	86
BD58960	<5	20	28	92	106

Bulldozer East Cu Occurrence:

The Bulldozer East Occurrence (L7+61N, 3+89E) (Map 1, Figures 6 and 9) was discovered by FWR in June 2000 and is located approximately 70 m southeast of the Bulldozer Occurrence. It has an exposed strike-length of 3 m and detailed prospecting and stripping were unable to extend it any further. Mineralization consists of trace to 2%, locally up to 10%, disseminated chalcopyrite and pyrite within a fine- to medium-grained gabbro, locally grading into hornblendite. The unit is disrupted, boudinaged, and similar in appearance to the Bulldozer Occurrence. Only Cu exhibits any significant values, and these are still quite low, with Pd and Pt only attaining high background to slightly anomalous values.

Table 4: Bulldozer East Occurrence Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Cu (ppm)	Ni (ppm)
BD58600	<5	<15	10	73	44
BD58701	<5	19	34	1045	192
BD58702	<5	29	43	1233	293
BD58704	<5	<15	12	181	94

L1 Cu Occurrence:

The L1 Occurrence (L7+90N, 2+60E) is located 50 m northwest of the Bulldozer Occurrence (Map 1, Figure 6). Mineralization consists of trace to 8% finely disseminated chalcopyrite, pyrrhotite, and pyrite within medium- to coarse-grained gabbro to leucogabbro exhibiting wispy, often disrupted, fine- to medium-grained melagabbro to feldspathic clinopyroxenite layers. One sample of the 5 taken from the outcrop contains low-grade Cu (1047 ppm) and the precious metals are usually below detection limits (*see* Table 5).

Table 5: L1 Occurrence Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Cu (ppm)	Ni (ppm)
BD58566	<5	<15	<10	108	35
BD58567	<5	24	<10	1047	58
BD58568	<5	<15	<10	86	42
BD58569	<5	<15	<10	511	65
BD58570	<5	<15	<10	242	29

Magna Cu-Pt-Pd Occurrence:

The Magna Occurrence (L7+87N, 1+58E) is located 145 m northwest of the Bulldozer Occurrence (Map 1, Figure 6) and consists of small, isolated, rusty pods of trace to 8% disseminated pyrite and chalcopyrite. This very patchy mineralization occurs within moderately well-layered, coarse-grained gabbro and hornblendite. Two of the three samples contain significant Cu and one strongly anomalous Pd (*see* Table 6).

Table 6: Magna Cu-Pt-Pd Occurrence Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Cu (ppm)	Ni (ppm)
BD58571	75	172	60	5813	249
BD58572	<5	22	25	385	95
BD58955	7	<15	19	1223	147

Silver Fox Cu Occurrence:

The Silver Fox Occurrence (L4+50N), 12+10W) is located 1540 m west-northwest of the Bulldozer Occurrence (Map 1). The mineralization is patchy and occurs within locally rusty, biotitic hornblendite to hornblende melagabbro and consists of trace to 5% finely disseminated pyrite and chalcopyrite. The host-rocks are locally brecciated and intruded by leucotonalite veins and dykes. Eight grab samples were taken and their results are presented in Table 7 (below). Only Cu occurs in any significant amounts with the precious metals are generally below detection limit. A few samples contain high background to slightly anomalous amounts pf Pd.

Table 7: Silver Fox Cu Occurrence Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Cu (ppm)	Ni (ppm)
BD58576	8	24	29	1719	193
BD58711	<5	<15	<10	131	53
BD58712	<5	<15	18	2276	144
BD58713	<5	<15	<10	123	41
BD58714	<5	<15	<10	140	42
BD58715	<5	<15	<10	266	66
BD58716	<5	<15	<10	185	38
BD58717	<5	16	40	1375	77

Chisel Cu Occurrence:

The Chisel Occurrence (L28+12N, 4+15W) is located 2225 m north-northeast of the Bulldozer Occurrence on the southeastern edge of a small lake (Map 1). The occurrence consists of several small, diffuse, irregular pods of 1 to 4% disseminated pyrrhotite and chalcopyrite within a rusty hornblende gabbro containing numerous small, angular blocks of hornblendite. The mineralization is cross-cut by numerous leucotonalite and pegmatite veins. A 30 m thick, north-northwest-striking diabase dyke is located less than 10 m west of the occurrence.

Table 8: Chisel Cu Occurrence Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Cu (ppb)	Ni (ppb)
BD58511	13	<15	<10	4228	67
BD58512	<5	<15	<10	30	45
BD58653	<5	<15	<10	3367	48

South Bulldozer Lake Cu Occurrence:

The South Bulldozer Lake Occurrence (Map 1) is located adjacent to a small bay in the southernmost part of Bulldozer Lake. It consists of coarse-grained feldspathic hornblendite and fine- to medium-grained hornblende melagabbro containing 5 to 7% disseminated to localized semi-massive pyrite with minor chalcopyrite and possibly some molybdenite. The 2 samples (BD58746 and BD58748) contained between 1170 and 2179 ppm Cu, respectively, and no Ni or precious metals.

West Bulldozer Lake Cu Occurrence:

The West Bulldozer Lake Occurrence (Map 1) is located on the western shoreline of Bulldozer Lake about 1125 m north of the South Bulldozer Lake Occurrence. It consists of a single sample (BD58662) of fine- to medium-grained gabbro hosting 1 to 2% finely disseminated pyrite, pyrrhotite and chalcopyrite and grading 2077 ppm Cu and no anomalous Ni or precious metals.

Talc Cu Occurrence:

The Talc Occurrence (Map 1) is located 485 m west of Bulldozer Lake and 720 m southwest of the West Bulldozer Lake Occurrence. It consists of a single sample (BD58667) of strongly talcose hornblende pyroxenite (possibly peridotite?) hosting a small, diffuse zone of 1-2% finely disseminated chalcopyrite, pyrite, and pyrrhotite. The sample graded 1689 ppm Cu, 144 ppm Ni, and weakly anomalous Pd (39 ppb). Sample BD58684, located approximately 75 m south-southeast is strongly anomalous in Pd and Cu containing 114 ppb Pd, 51 ppb Pt, and 832 ppm Cu.

Talc South Cu Occurrence:

The Talc South Cu Occurrence (Map 1) is located 45 m southwest of the Talc Occurrence. It consists of another single sample (BD58670) composed of altered melagabbro and containing a localized, diffuse zone of 1 to 2% finely disseminated chalcopyrite, pyrite, and pyrrhotite. The sample graded 2305 ppm Cu and no anomalous Ni or precious metals.

Dave's Boulder:

A large, isolated, mineralized boulder was discovered 570 m south-southwest of the Bulldozer Occurrence (L2+10N, 5+30E) in a region of deep overburden (Map1). The boulder is composed of altered gabbro and hornblendite and contains trace to 5% disseminated pyrite, pyrrhotite, and chalcopyrite. Three samples were taken and contained up to 4209 ppm Cu and no anomalous Ni or precious metals. The style of mineralization was different than that observed at the occurrences described above. No source for the boulder was found.

Geophysical Surveys

Airborne Surveys:

Combined Aerodat helicopter-borne magnetic, electromagnetic, and VLF-EM surveys were flown over the central and northern portions of the present Tyko-Bulldozer Property in 1983. The limits of the survey did not include either of the two known occurrences present on the property. It detected several weak- to moderate-strength, short strike-length, EM conductors and defined a few linear structures.

A Dighem airborne magnetometer, electromagnetic, resistivity, and VLF-EM survey was completed in 1984 over the eastern portion of the present property, including the Bulldozer Occurrence area. The survey detected numerous weak, locally indeterminate airborne EM anomalies and a series of resistivity lows throughout the property. A pair of weak, isolated, indeterminate anomalies are roughly coincident with the Bulldozer Occurrence.

A regional-scale Dighem helicopter-borne magnetometer and EM survey was flown by Noranda Exploration Co. Ltd. in 1989. This survey defined the limits of the Bulldozer Complex and eventually lead to the discovery of the 2 Cu-Ni-PGE occurrences present on the property. Of all the surveys flown to date this one provides the most detail and an intensive examination of the data could provide a wealth of geological and structural information.

Ground Surveys:

No ground geophysical surveys were ever completed within the limits of the present Bulldozer Property until May 1999. Since then two magnetometer surveys have been completed in the vicinity of the Bulldozer Occurrence. The May 1999 reconnaissance survey was

completed on 400 m-spaced lines and was too coarse to be of use. The more recent survey completed by Gryphon Metals Corporation during the early winter of 2000 was completed on 200 m-spaced lines and defined a complex, irregular group of magnetic highs and lows. This is the type of magnetic signature that would be expected from a group of irregular mafic-ultramafic blocks surrounded by tonalite and granodiorite.

Deposit Models

Naldrett (1999) states that: '*Magmatic sulphide deposits form as the result of segregation and concentration of droplets of liquid sulphide from mafic or ultramafic magma, and the partitioning of chalcophile elements into these from the silicate melt. Sulphide saturation of a magma is not enough in itself to produce an ore deposit. The appropriate physical environment is required so that the liquid sulphide mixes with enough magma to become adequately enriched in chalcophile metals, and then is concentrated in a restricted locality so that the resulting concentration is of ore grade.*' Naldrett et al. (1990) subdivided magmatic sulphide deposits into Ni-Cu dominant (sulphide-rich) and the PGE-dominant (sulphide-poor) groups that can occur within a variety of tectonic settings as defined by Naldrett (1989) below:

1. ***Synvolcanic*** (largely Archean): Mafic ultramafic bodies within this class consist of distinct komatiitic and tholeiitic (picritic and anorthositic) classes. The komatiitic class is almost always volcanic and need not be considered with respect to the Bulldozer Complex. The tholeiitic class is comprised of the *picritic* and *anorthositic subclasses* which include the Pechenga (Russia) deposits and the Montcalm (Ontario) deposit, respectively;
2. ***Rifted Plate Margins:*** which include the Thompson and Raglan Ni camps of the Circum-Ungava Belt and the Penikat Intrusion of the Kemi-Koilismaa Belt;
3. ***Cratonic Areas:*** Cratons can host *flood-basalt*-related intrusions which include Noril'sk-Talnakh (Siberia), the Duluth Complex (Minnesota), and the Crystal Lake Gabbro (Ontario) or *large stratiform complexes* such as the Sudbury Igneous Complex (Ontario), the Bushveld Complex (South Africa), the Stillwater Complex (Montana), the Lac des Iles Complex (Ontario), and the Great Dyke (Zimbabwe); and
4. ***Orogenic:*** which includes the Moxie and Katahdin Intrusions (Maine).

The Bulldozer Complex and the Tyko Intrusion could conceivably belong to either one of the 4 tectonic settings and have the potential to host deposits associated with both of the main magmatic sulphide groups described below:

Ni-Cu-dominant magmatic sulphide deposits comprise large, rich concentrations of coarsely disseminated (blebby), net-textured, semi-massive to massive Ni-Cu sulphides that generally occur near or below the base of their host intrusions. Good examples of this group are the Noril'sk-Talnakh, Voiseys Bay, Sudbury, Thompson, and Duluth Complex deposits. The various Noril'sk-Talnakh and Voiseys Bay deposits are also examples of conduit-related deposits, which tend to be richer in metals than many other

examples of this group.

PGE-dominant magmatic sulphide deposits comprise low concentrations of disseminated, PGE-rich, Cu-Ni sulphides (generally <3% total sulphides) and primarily occur as stratabound and non-stratabound types. The stratabound-, or 'reef'-type is always associated with layered intrusions and is usually, but not always, associated with a mineralized rock layer exhibiting distinctive mineralogy or texture. The Merensky Reef of the Bushveld Complex and the J-M Reef of the Stillwater Complex are prime examples of reefs associated with distinctive rock units. The Main and Lower Sulphide zones of the Great Dyke, Zimbabwe, are reefs not associated with a specific mineralized rock layer and occur as discreet zones within a much more extensive bronzitite unit. Some deposits, such as the Lac des Iles and Marathon deposits, are discordant in nature and do not appear to be associated with any specific horizon, rock-type, or layering.

Deposits of both groups are associated with mafic magmas and require (Naldrett 1992, 1999):

1. Saturation and segregation of an immiscible sulphide liquid from the silicate melt;

2. Reaction of the sulphide liquid with a large volume of magma in order to concentrate the Cu, Ni, and PGE's; and

3. Settling and concentration of the Cu-Ni-PGE-enriched, immiscible sulphide liquid into a restricted volume, in large enough concentrations to form an economic deposit. Ni-Cu-dominant deposits generally form nearly massive deposits that concentrate within or near the basal regions of an intrusion (Duluth Complex) or magma conduit (Noril'sk-Talnakh, Voiseys Bay). PGE dominant deposits generally form relatively low-sulphide, disseminated deposits that often concentrate near or within a particular stratigraphic horizon of an intrusion (Merensky Reef, Bushveld Complex; J-M Reef, Stillwater Complex; Main Sulphide Zone, Great Dyke).

The formation of a PGE-dominant deposit does not generally require the addition of external sulphur to the magma; however, the addition of considerable amounts of crustal sulphur is essential to the formation of Ni-Cu-dominant deposits.

The sequence described above is not part of the normal fractionation history of mafic magmas and the formation of a deposit requires some sort of trigger to initiate sulphide saturation after ascent of a magma through the crust. This trigger could constitute assimilation of crustal sulphur or silicates within the feeder system or the magma chamber; depressurization of the magma chamber, which lowers the solubility of sulphur within the magma; turbulent addition of primitive magma into a fractionating, more siliceous magma chamber which leads to turbulent convection, magma mixing, and sulphur saturation; or any combination of the three.

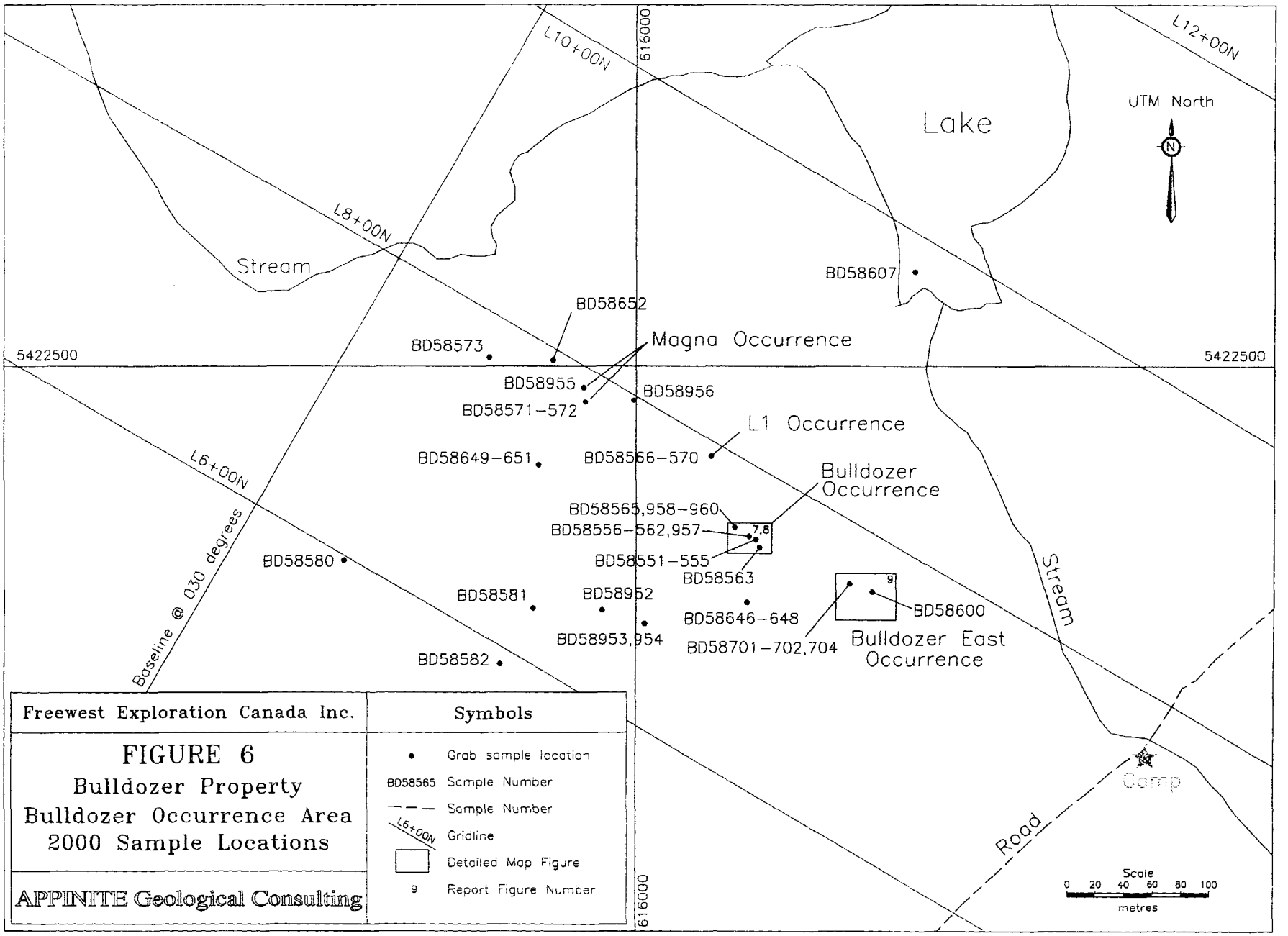
Conclusions and Recommendations

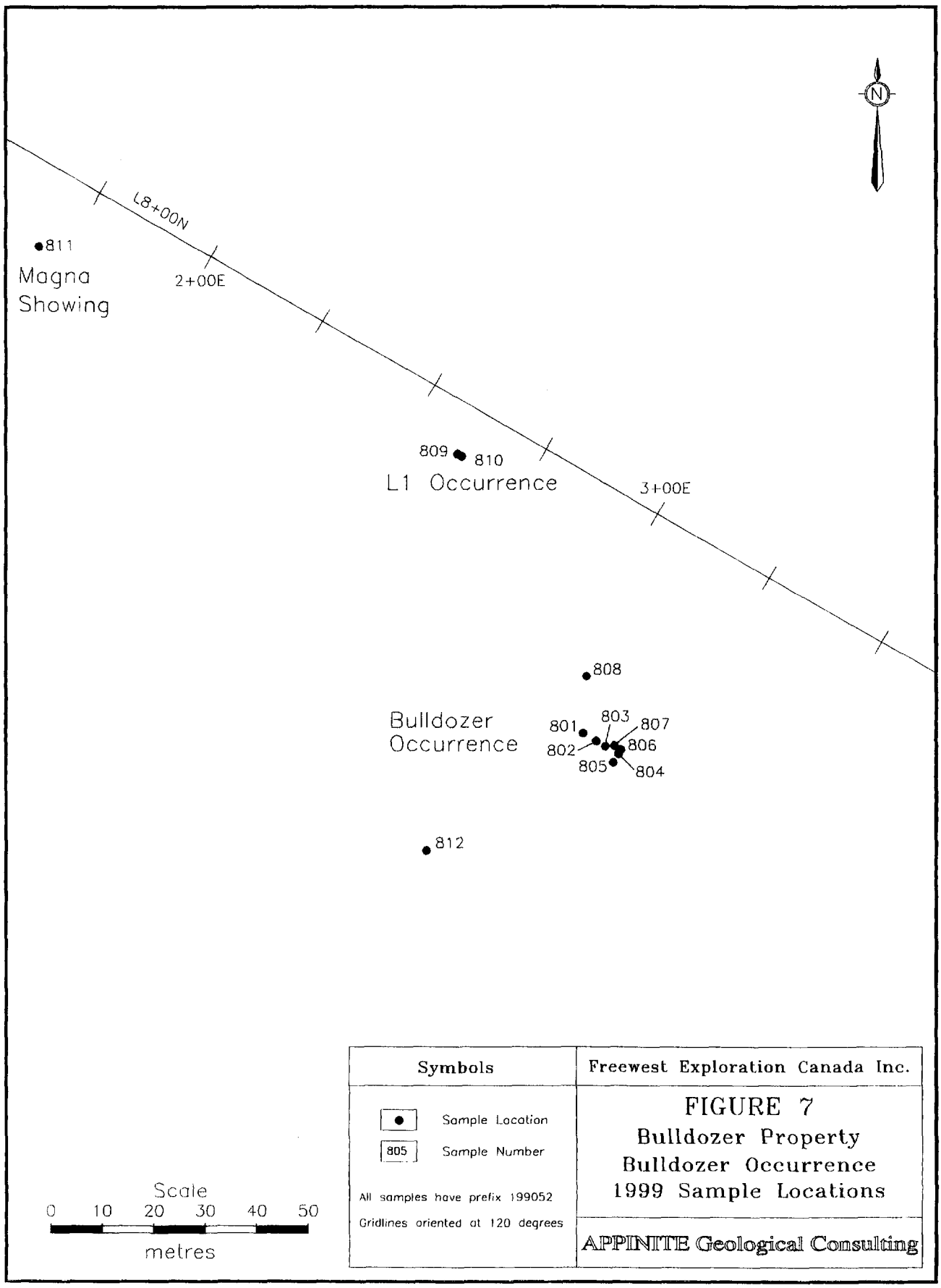
The Bulldozer Mafic-Ultramafic Complex has been coarsely brecciated and engulfed by the emplacement of a late phase of the composite Black-Pic Batholith. The mafic-ultramafic intrusive rocks observed all comprise remnant, variably fractured, brecciated, metasomatized, and assimilated blocks, of highly variable size, that have been surrounded and invaded by variably hybridized, hornblendite and gabbro xenolith-rich tonalites, quartz diorites, and occasionally metasomatized quartz monzogabbros. The large numbers of mafic and ultramafic intrusive xenoliths are variably metasomatized, assimilated, and disaggregated and their abundance quickly decreases away from the granitoid contact. The remnant blocks can be up to 500 m in diameter and are often strongly faulted.

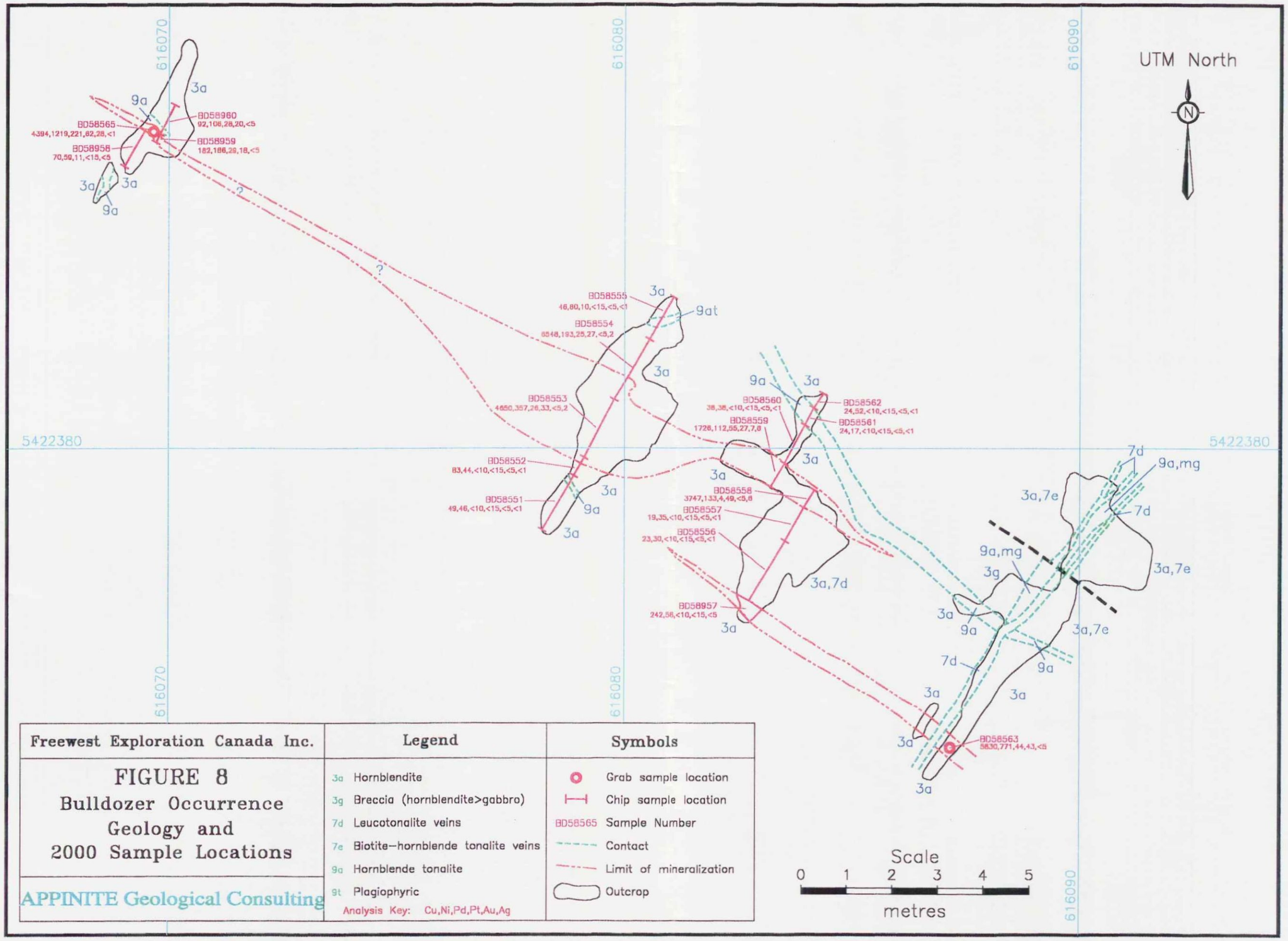
Prospecting and mapping by FWR examined and sampled the existing three Cu +/- PGE occurrences and discovered 7 new low-grade Cu occurrences and 1 Cu-mineralized erratic boulder. None of these occurrences exhibit any lateral extent or size-potential.

The work completed by FWR indicates that the Bulldozer Complex is a mere remnant of an originally layered mafic-ultramafic intrusion with little potential to host either an economic disseminated Cu-Ni-PGE or massive Cu-Ni deposit. Most of the property is now underlain by granitoid rocks with the remnant ultramafic rocks comprising <5% of the property.

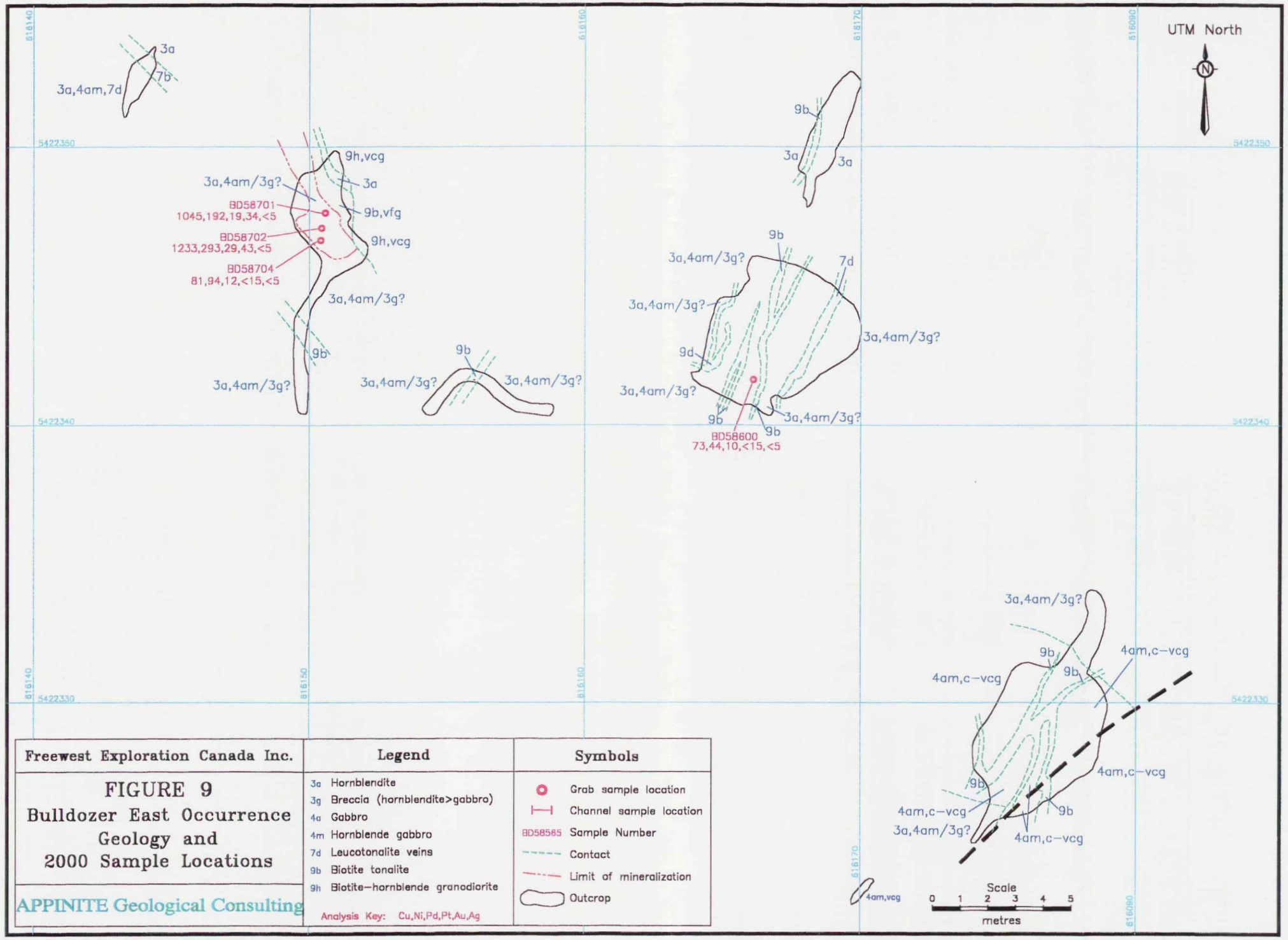
It is recommended that no further work be completed and both the Bulldozer and Jembi options be returned to their respective vendors.


L10+00N
L12+00N
L8+00N
L6+00N
616000
5422500
Lake
UTM North
N
Stream
BD58607
BD58652
BD58573
Magna Occurrence
BD58955
BD58956
BD58571-572
L1 Occurrence
BD58649-651
BD58566-570
Bulldozer Occurrence
BD58565,958-960
BD58556-562,957
7,8
BD58551-555
BD58563
BD58580
BD58581
BD58952
BD58646-648
BD58600
9
BD58953,954
BD58701-702,704
Bulldozer East Occurrence
BD58582
Baseline @ 030 degrees
Stream
Camp
Road
Scale
0 20 40 60 80 100
metres
Freewest Exploration Canada Inc.
FIGURE 6
Bulldozer Property
Bulldozer Occurrence Area
2000 Sample Locations
APPINITE Geological Consulting
Symbols
Grab sample location
BD58565 Sample Number
Sample Number
L6+00N Gridline
Detailed Map Figure
9 Report Figure Number


N
L8+00N
811
Magna
Showing
2+00E
809
810
L1 Occurrence
3+00E
808
Bulldozer
Occurrence
801
803
807
802
806
805
804
812
Scale
0 10 20 30 40 50
metres
Symbols
Sample Location
805
Sample Number
All samples have prefix 199052
Gridlines oriented at 120 degrees
Freewest Exploration Canada Inc.
FIGURE 7
Bulldozer Property
Bulldozer Occurrence
1999 Sample Locations
APPINITE Geological Consulting



Freewest Exploration Canada Inc.	Legend	Symbols
FIGURE 8 Bulldozer Occurrence Geology and 2000 Sample Locations	3a Hornblendite 3g Breccia (hornblendite>gabbro) 7d Leucotonalite veins 7e Biotite–hornblende tonalite veins 9a Hornblende tonalite 9t Plagiophyric Analysis Key: Cu,Ni,Pd,Pt,Au,Ag	Grab sample location Chip sample location BD58565 Sample Number Contact Limit of mineralization Outcrop
APPINITE Geological Consulting		



Freewest Exploration Canada Inc.	Legend	Symbols
FIGURE 9 Bulldozer East Occurrence Geology and 2000 Sample Locations	3a Hornblendite 3g Breccia (hornblendite>gabbro) 4a Gabbro 4m Hornblende gabbro 7d Leucotonalite veins 9b Biotite tonalite 9h Biotite–hornblende granodiorite	Grab sample location Channel sample location BD58565 Sample Number Contact Limit of mineralization Outcrop
APPINITE Geological Consulting	Analysis Key: Cu,Ni,Pd,Pt,Au,Ag	

Certificate of Qualification

I, Allan D. MacTavish of 548 McMaster St., Thunder Bay, Ontario, do hereby certify that:

1. I hold a Bachelor of Science (Honours) Degree in Geology (1977) from Laurentian University, Sudbury, Ontario.

2. I hold a Master of Science Degree in Geology (1992) from Lakehead University, Thunder Bay, Ontario.

3. I am a Fellow, in good standing, of the Geological Association of Canada, a member of the Society of Economic Geologists, the Mineralogical Association of Canada, the Society for Geology Applied to Mineral Deposits, the Canadian Institute of Mining and Metallurgy, and the Prospectors and Developers Association.

4. I have been practising my profession in Ontario, the Northwest Territories, and Manitoba since 1975.

5. I have been employed directly by Noranda Exploration Company Limited, Canadian Superior Exploration Co. Ltd., Amax Minerals Inc., Kerr Addison Mines Ltd., St. Joe Canada Inc./Bond Gold Canada Inc./LAC Minerals Ltd., the Ontario Geological Survey, Falconbridge Limited, and Homestake Canada Inc.

6. I am presently a Consulting Geologist and the owner of Appinite Geological Consulting of Thunder Bay, Ontario.

7. Permission is granted to Freewest Resources Canada Inc. to use this report in a prospectus or other financial offering.

8. I have not received, directly or indirectly, nor do I expect to receive any interest, direct or indirect, in the properties of Freewest Resources Canada Inc. or any affiliate thereof, nor do I beneficially own, directly or indirectly, any securities in Freewest Resources Canada Inc. or any affiliate thereof.

Dated this 15th day of February, 2001 at Thunder Bay, Ontario.

Allan D. MacTavish, M.Sc., FGAC
Consulting Geologist

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APPENDIX I

2000 Sample Descriptions and Locations

Freewest Resources Canada Inc.

Bulldozer and Jembi Options, Gum Property

Appendix I

Freewest Resources Canada Inc. 2000: Bulldozer Option Sample Locations, Descriptions and Analyses

No.	Sample Number	Location (UTM) Easting	Location (UTM) Northing	Location (Grid) Northing	Location (Grid) Easting	Sample Description	Sulph. Est. %	Sulph. Min.	Au ppb	Pt ppb	Pd ppb	Cu ppm	Ni ppm
1	**BD58501**	615004	5423002	---	---	Hornblende pyroxenite (gabbro) medium-grained, magnetic, epidote, blebby pyrite along fracture	1	py	<5	<15	<10	26	26
2	**BD58502**	615001	5422986	---	---	Hornblende gabbro, medium- to fine-grained, magnetic	Nil	---	<5	<15	<10	28	30
3	**BD58503**	---	---	L7+90N	L9+50W	Hornblende gabbro, medium-grained, magnetic	Nil	---	<5	<15	<10	23	46
4	**BD58504**	---	---	L8+00N	L8+73W	Hornblende gabbro, biotite, slightly magnetic	Nil	---	<5	<15	<10	65	103
5	**BD58505**	---	---	L8+10N	L8+73W	Hornblende gabbro, medium- to fine-grained, fine-grained magnetite	Nil	---	<5	<15	<10	69	52
6	**BD58506**	615100	5423081	---	---	Hornblende pyroxenite, medium-grained, some olivine, magnetic	Nil	---	<5	<15	<10	15	42
7	**BD58507**	615072	5423106	---	---	Hornblende pyroxenite, medium- to fine-grained, olivine, magnetic	1	Sulph.	<5	<15	<10	132	59
8	**BD58508**	---	---	L14+00N	0+25W	Hornblende gabbro, <5% feldspar, dark green, slightly magnetic	Nil	---	<5	<15	<10	30	36
9	**BD58509**	---	---	L14+00N	0+73E	Hornblende gabbro, dark green, magnetic	Nil	---	<5	<15	<10	10	62
10	**BD58510**	---	---	L28+15N	3+40W	Hornblende gabbro, medium-grained, trace pyrite	Tr.	py	<5	<15	<10	131	45
11	**BD58511**	---	---	L28+10N	4+15W	**Chisel Occurrence**: altered melagabbro, 3% disseminated pyrite, trace chalcopyrite, malachite, slightly magnetic	3	py,cp	13	<15	<10	4228	67
12	**BD58512**	---	---	L28+10N	4+15W	**Chisel Occurrence**: hornblende pyroxenite to gabbro, slightly magnetic, hematite?, trace pyrite, chalcopyrite	Tr.	py,cp	<5	<15	<10	30	45
13	**BD58513**	617592	5425531	---	---	Hornblende pyroxenite, hematite stain, mica, trace pyrite	Tr.	py	<5	<15	<10	8	108
14	**BD58514**	617593	5425534	---	---	Hornblende pyroxenite, <5% feldspar, mica, <5% feldspar	Nil	---	<5	<15	<10	4	34
15	**BD58515**	617590	5425533	---	---	Hornblende pyroxenite, actinolite, <5% feldspar	Nil	---	<5	<15	<10	15	53
16	**BD58516**	617593	5425537	---	---	Hornblende pyroxenite actinolite	Nil	---	<5	<15	<10	26	102
17	**BD58517**	617605	5425547	---	---	Gabbro, bluish tint, magnetic, trace pyrite	Tr.	py	<5	<15	<10	84	168
18	**BD58518**	617636	5425557	---	---	Gabbro, chalcopyrite, slightly magnetic, trace pyrite	Tr.	py	<5	<15	<10	250	82
19	**BD58519**	617625	5425571	---	---	Hornblende pyroxenite, not magnetic	Tr.		6	<15	<10	261	83
20	**BD58520**	---	---	L39+97N	1+00E	Hornblendite, trace pyrite, slightly magnetic	Tr.	py	<5	<15	<10	63	59
21	**BD58521**	---	---	L38+25N	6+00W	Gabbro, epidote, trace pyrite	Tr.	py	<5	<15	<10	41	26
22	**BD58522**	---	---	L38+00N	5+95W	Gabbro, pinkish in places (K-feldspar?), 1% pyrite, chalcopyrite, malachite	Tr.	py,cp, mal	<5	<15	<10	174	20
23	**BD58523**	---	---	L38+00N	5+95W	Gabbro, not magnetic, trace pyrite, malachite	Tr.	py,mal	<5	<15	<10	140	26
24	**BD58524**	---	---	L38+20N	BLO	Hornblendite, dark, fine-grained, biotite, slightly magnetic; trace pyrite	Tr.	py	<5	<15	<10	42	73
25	**BD58525**	617628	5425294	---	---	Hornblende pyroxenite, medium-grained, trace pyrite, magnetic	Tr.	py	<5	<15	<10	58	75
26	**BD58526**	617621	5425293	---	---	Hornblende pyroxenite, medium-grained, magnetic; trace pyrite	Tr.	py	10	<15	10	39	72
27	**BD58527**	617651	5425331	---	---	Hornblende pyroxenite, medium-grained, magnetic; trace pyrite	Tr.	py	<5	<15	<10	42	71
28	**BD58528**	617586	5425750	---	---	Hornblende pyroxenite, slightly magnetic; trace pyrite	Tr.	py	<5	<15	<10	24	81
29	**BD58529**	617533	5425780	---	---	Hornblende pyroxenite, very magnetic, medium-grained, trace pyrite, chalcopyrite, malachite	Tr.	py,cp, mal	<5	<15	<10	477	134
30	**G58530**	619514	5422285	---	---	Diabase, py trace, magnetic; Gum Property	Tr.	py	<5	<15	<10	189	63
31	**G58531**	619434	5423931	---	---	Diabase, py trace, magnetic; Gum Property	Tr.	py	<5	<15	<10	120	30
32	**BD58532**	612964	5423445	---	---	Coarse-grained hornblendite, magnetic, trace pyrite, chalcopyrite	Tr.	py,cp	<5	<15	10	108	91
33	**BD58533**	612961	5423445	---	---	Coarse-grained hornblendite, magnetic, 2% pyrite, chalcopyrite	2	py,cp	<5	<15	<10	442	75
34	**BD58534**	612961	5423445	---	---	Contact between a coarse grain hornblendite and gabbro	2	Sulph.	<5	<15	<10	786	38
35	**BD58535**	612961	5423445	---	---	Contact between a coarse grain hornblendite and gabbro	Tr.	Sulph.	<5	<15	<10	352	49
36	**BD58536**	613364	5423545	---	---	Gabbro, gabbro-hornblendite, slightly magnetic, rust spots	Tr.	Sulph.	<5	<15	17	241	62
37	**BD58537**	613364	5423545	---	---	Gabbro, gabbro-hornblendite, slightly magnetic, rust spots	Tr.	Sulph.	<5	19	16	72	51
38	**BD58538**	613363	5423532	---	---	Hornblendite, magnetite, trace pyrite	Tr.	py	<5	15	<10	105	83
39	**BD58551**	616082	5422380	---	---	**Bulldozer Occurrence**; feldspathic hornblendite/clinopyroxenite, 40-60% fine-grained magnetite (1.5 m chip)	Nil	---	<5	<15	<10	49	46
40	**BD58552**	616082	5422380	---	---	**Bulldozer Occurrence**, similar to sample BD58551, 10-40% magnetite (0.42 m chip)	Nil	---	<5	<15	<10	83	44

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No.	Sample Number	Location (UTM) Easting	Location (UTM) Northing	Location (Grid) Northing	Location (Grid) Easting	Sample Description	Sulph. Est. %	Sulph. Min.	Au ppb	Pt ppb	Pd ppb	Cu ppm	Ni ppm
41	BD58553	616082	5422380	---	---	**Bulldozer Occurrence**; mineralized zone, fine- to medium-grained, hornblendite gabbro, 1-5% disseminated to patchy pyrite, pyrrhotite, chalcopyrite, locally up to 50% magentite (1.5 m chip)	1-5	py,po, cp	<5	33	26	4650	357
42	BD58554	616082	5422380	---	---	**Bulldozer Occurrence**; medium-coarse-grained, feldspatic hornblendite +/- clinopyroxene, <1 to 8% disseminated to blebby chalcopyrite, pyrite (1.5 m chip)	<1-8	cp,py	<5	27	25	6548	193
43	BD58555	616082	5422380	---	---	**Bulldozer Occurrence**; fine-grained, magnetite, melagabbro, 30-40% very fine-grained magnetite, altered amphibole	Nil	---	<5	<15	10	46	80
44	BD58556	616082	5422380	---	---	**Bulldozer Occurrence**; medium-grained, strongly uralitized hornblende clinopyroxenite or clinopyroxene hornblendite (1.5 m chip)	Nil	---	<5	<15	<10	23	30
45	BD58557	616082	5422380	---	---	**Bulldozer Occurrence**; similar to BD58556, 4-6% magnetite (0.86 m chip)	Nil	---	<5	<15	<10	19	35
46	BD58558	616082	5422380	---	---	**Bulldozer Occurrence**; fine-medium-grained, leucogabbro with coarse-grained gabbro patches, saussuritized plagioclase, 4-6% disseminated chalcopyrite, pyrite, pyrrhotite (0.45 m chip)	4-6	cp,py, po	<5	43	49	3747	133
47	BD58559	616082	5422380	---	---	**Bulldozer Occurrence**; similar to BD58558, 4-6% disseminated pyrite, chalcopyrite, pyrrhotite (0.6 m chip)	4-6	py,cp, po	7	55	27	1726	112
48	BD58560	616082	5422380	---	---	**Bulldozer Occurrence**; fine-medium-grained, hornblende clinopyroxenite (?), strongly uralitized, disseminated pyrite (0.95 m chip)	Tr	py	<5	<15	<10	38	38
49	BD58561	616082	5422380	---	---	**Bulldozer Occurrence**; cross-cutting intermediate dyke, very fine-grained, hornblende quartz diorite and tonalite, moderate foliation (0.45 m chip)	Nil	---	<5	<15	<10	24	17
50	BD58562	616082	5422380	---	---	**Bulldozer Occurrence**; medium-coarse-grained, moderately uralitized hornblende clinopyroxenite, disseminated pyrite+/-chalcopyrite (0.40 m chip)	<1-2	py,cp	<5	<15	<10	24	52
51	BD58563	616082	5422380	---	---	**Bulldozer Occurrence**; leucogabbro, saussauritized plagioclase, 25-30% fine disseminated pyrite+/-chalcopyrite, very rusty (grab sample) (5 m south of BD58556)	25-30	py,cp	<5	43	44	5830	771
52	BD58564	616082	5422380	---	---	**Bulldozer Occurrence**; very fine-grained, semi-massive magnetite (40-60%) with associated saussuritized plagioclase and amphibole (11.7 m west of BD58553)	Nil	---	<5	<15	<10	67	77
53	BD58565	616082	5422380	---	---	**Bulldozer Occurrence**; narrow rusty zone (10-15 cm) cross-cut by coarse-grained trondjhemite dyke, zone is hornblende-clinopyroxenite, 10-15% disseminated pyrite+/-chalcopyrite+/-pyrrhotite (0.15 m chip)	10-15	py,cp, po	28	62	221	4394	1219
54	BD58566	---	---	L7+86N	2+66E	**L1 Occurrence**: medium-grained, gabbro (locally leucogabbro) moderately saussauritized plagioclase (grab sample)	<-1	Sulph.	<5	<15	<10	108	35
55	BD58567	---	---	L7+86N	2+66E	**L1 Occurrence**: similar to BD58566, 3 different bands coarse-grained gabbro; fine- to medium-grained gabbro with 4-8% disseminated chalcopyrite, pyrite; and fine-grained melagabbro to clinopyroxenite bands with 1-4% disseminated chalcopyrite, pyrite (grab sample)	Tr-8	cp,py	<5	24	<10	1047	58
56	BD58568	---	---	L7+86N	2+66E	**L1 Occurrence**: 30% *medium-coarse-grained gabbro and 70% medium-coarse-grained* with 1-2% disseminated pyrrhotite+/-chalcopyrite	Tr-2	po,cp	<5	<15	<10	86	42
57	BD58569	---	---	L7+86N	2+66E	**L1 Occurrence**: 30% medium-coarse-grained gabbro and 70% medium-coarse-grained with 1-2% disseminated pyrrhotite+/-chalcopyrite	Tr-2	po,cp	<5	<15	<10	511	65
58	BD58570	---	---	L7+86N	2+66E	**L1 Occurrence**: 30% medium-coarse-grained gabbro and 70% medium-coarse-grained with 1-2% disseminated pyrrhotite+/-chalcopyrite	Tr-2	po,cp	<5	<15	<10	242	29
59	BD58571	---	---	L7+35N	1+60E	**Magna Occurrence:** pyroxenitic hornblende gabbro, trace 5% pyrite, trace chalcopyrite, hematite	Tr.-5	py,cp	75	172	60	5813	249
60	BD58572	---	---	L7+75N	1+60E	**Magna Occurrence**: hornblende gabbro, malachite stain, trace chalcopyrite	Tr.	cp	<5	22	25	385	95
61	BD58573	---	---	L7+72N	0+90E	Feldspathic hornblende gabbro, minor pyrite, Fe staining	Tr.	py	<5	<15	<10	91	32
62	BD58574	614686	5422795	---	---	Pyroxenitic hornblende gabbro, strongly magnetic, indigo blue mineral	Tr.	cp	<5	<15	<10	34	58
63	BD58575	614669	5422792	---	---	medium-coarse-grained, hornblende gabbro, minor epidote	Nil	---	<5	<15	<10	33	39
64	BD58576	614603	5422890	---	---	**Silver Fox Occurrence**: hornblende gabbro, trace pyrite, 2-3% bio, red hematite	Tr.	py	8	34	29	1719	193

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No.	Sample Number	Location (UTM) Easting	Location (UTM) Northing	Location (Grid) Northing	Location (Grid) Easting	Sample Description	Sulph. Est. %	Sulph. Min.	Au ppb	Pt ppb	Pd ppb	Cu ppm	Ni ppm
65	BD58577	614873	5422920	---	---	Medium- to coarse-grained, hornblende gabbro, minor epidote, trace-2% pyrite cubes	Tr.-2	py	<5	<15	<10	288	32
66	BD58578	615010	5422948	---	---	Fine- to medium-grained, hornblende gabbro, strongly magnetic, 10% magnetite, trace 1% pyrite cubes, several specks of indigo blue mineral	Tr.-1	py	11	24	24	140	78
67	BD58579	615038	5422931	---	---	Fine- to coarse-grained hornblende gabbro; strongly magnetic; buff to light pink plagioclase-rich inclusions	Nil	---	<5	<15	<10	64	52
68	BD58580	615794	5422364	---	---	Fine- to medium-grained, pyroxenitic hornblende gabbro, strongly magnetic	Nil	---	<5	<15	<10	234	43
69	BD58581	615927	5422330	---	---	Fine- to medium-grained, pyroxenitic hornblende gabbro, mod.-strongly magnetic, trace-1% pyrite specks, muscovite flakes	Tr.-1	py	<5	<15	<10	71	33
70	BD58582	615904	5422291	---	---	Medium- to coarse-grained, feldspar-hornblende gabbro, trace 1% pyrite (retake of sample #L-99-001)	Tr.-1	py	<5	<15	<10	53	26
71	BD58583	614022	5424153	---	---	Coarse-grained, pyroxenitic hornblende gabbro, non magnetic, trace pyrrhotite	Tr.	po	<5	<15	<10	44	50
72	BD58584	614020	5424174	---	---	Medium-grained, melanocratic gabbro, white fibrous serpentine in vugs, emerald green chrome diopside crystals(?); trace pyrite	Tr.	py	<5	<15	<10	50	30
73	BD58585	614044	5424103	---	---	Coarse-grained, hornblende gabbro, non magnetic, trace pyrite, pyrrhotite, speck of chalcopyrite	Tr.	py,po, cp	<5	<15	<10	83	66
74	BD58586	614050	542106	---	---	Fine- to coarse-grained, hornblende gabbro, trace pyrite, red hematite staining	Tr.	py	<5	<15	<10	155	162
75	BD58587	614005	542064	---	---	Coarse-grained, pyroxenitic hornblende gabbro, <5% plagioclase, trace pyrite, minor malachite, local black biotite	Tr.	py	<5	<15	<10	56	45
76	BD58588	613971	5424041	---	---	Coarse-grained, hornblende gabbro, <5% quartz/feldspar, discoloured dark brown, trace pyrite/pyrrhotite	Tr.	py,po	<5	<15	<10	25	71
77	BD58589	613962	5424073	---	---	Coarse-grained, hornblende gabbro, Fe stain, trace pyrrhotite	Tr.	po	<5	<15	<10	24	80
78	BD58590	613988	5424080	---	---	Coarse-grained, hornblende gabbro, trace pyrrhotite, some chalcopyrite	Tr.	po,cp	<5	<15	<10	97	95
79	BD58591	616520	5424503	---	---	Medium- to coarse-grained, dark green-black, hornblende gabbro, abundant epidote on fractures, weakly magnetic, trace pyrite, rare chalcopyrite, feldspathic inclusions	Tr.	py,cp	<5	<15	<10	52	48
80	BD58592	616535	5424472	---	---	Fine- to coarse-grained, dark green-black, pyroxenitic hornblende gabbro, 5% magnetite, trace-1% biotite	Tr.	Sulph.	8	<15	<10	464	62
81	BD58593	616010	5424838	---	---	Fine- to medium-grained, diabase, Fe stained fractures, trace pyrite	Tr.	py	<5	<15	<10	115	36
82	BD58594	617458	5425484	---	---	Fine- to medium-grained, dark green, pyroxenite, trace pyrite, minor actinolite, Fe stained fractures	Tr.	py	<5	<15	<10	330	38
83	BD58595	617487	5425515	---	---	Medium- to coarse-grained, dark green, pyroxenite with 1-3% reddish purple serpentine, Fe stained fractures	Nil	---	<5	<15	<10	25	49
84	BD58596	617660	5425610	---	---	Medium-grained, dark greenish, black and white mottled, feldspathic hornblendite, red hematite coated vugs, 1 cm bleb of chalcopyrite	Tr.	cp	<5	<15	<10	34	23
85	BD58597	617576	5425772	---	---	Medium- to coarse-grained, dark green, hornblendite, up to 5% pyrite/pyrrhotite, trace chalcopyrite, well Fe stained fractures	Tr.-5	py,po, cp	<5	<15	<10	139	34
86	BD58598	617581	5425790	---	---	Medium- to coarse-grained, dark green to black, pyroxene hornblendite, <1% pyrrhotite	<1	po	<5	<15	<10	26	44
87	BD58599	617219	542940	---	---	Hornblende clots in a hornblende melanogabbro, vuggy with possible olivine grains, some Fe staining	Nil	---	10	35	31	92	41
88	BD58600	616162	5422353	---	---	South of Bulldozer East Occurrence; fine- to medium-grained, dark green-black, pyroxenitic hornblendite, Fe stained fractures, 5% magnetite	Nil	---	<5	<15	10	73	44
89	BD58601	614544	5422609	---	---	Altered magnetite-hornblende pyroxenite; medium- to coarse-grained pyrite	1	py	6	16	13	223	46
90	BD58602	614589	5422542	---	---	Altered feldspathic hornblende pyroxenite; medium- to coarse-grained pyrite	1	py	<5	<15	<10	143	55
91	BD58603	614613	5422557	---	---	Feldspathic hornblendite in leucogabbro, medium- to coarse-grained pyrite	1	py	9	<15	11	932	76
92	BD58604	613981	5423908	---	---	Mafic dyke striking 056 degrees	Tr.	Sulph.	<5	10	<10	70	68
93	BD58605	613813	5423870	---	---	Hornblende-phyric melagabbro; trace-1% disseminated chalcopyrite	Tr.-1	cp	<5	<15	<10	53	34
94	BD58606	---	---	L 0N	0+90E	Gabbro, fine-grained pyrite (no gps, on line location)	Tr.	py	<5	<15	<10	170	25

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No.	Sample Number	Location (UTM) Easting	Location (UTM) Northing	Location (Grid) Northing	Location (Grid) Easting	Sample Description	Sulph. Est. %	Sulph. Min.	Au ppb	Pt ppb	Pd ppb	Cu ppm	Ni ppm
95	BD58607	616196	5422566	---	---	Feldspathic hornblende pyroxenite; <1% pyrite	<1	py	<5	<15	<10	199	19
96	BD58608	613981	5423908	---	---	Melagabbro; <1% pyrite (30 m north of L0+00, 2+26W)	<1	py	<5	<15	<10	8	46
97	BD58609	616070	5423401	---	---	Diabase (25 m northeast at 020 degrees from L16+00N, 2+00W)	Tr.	py	<5	<15	<10	149	30
98	BD58610	615634	5423940	---	---	Diabase; trace pyrite	Tr.	py	<5	<15	<10	128	30
99	BD58611	615641	5423929	---	---	Diabase; slightly magnetic, trace pyrite	Tr.	py	<5	<15	<10	144	28
100	BD58612	615622	5423934	---	---	Leucogabbro; 1% pyrite	1	py	<5	<15	<10	495	27
101	BD58613	615622	5423934	---	---	Feldspathic hornblende pyroxenite; trace-1% pyrite, chalcopyrite	Tr.-1	py	<5	<15	<10	10	49
102	BD58614	615618	5423913	---	---	Feldspathic hornblnde melagabbro, pyrite (22 m east of L18+00N, 8+75W)	1	py	<5	<15	<10	13	57
103	BD58615	615638	5423882	---	---	Diabase; trace pyrite	Tr.	py	<5	<15	<10	101	30
104	BD58616	615606	5423952	---	---	Hornblende diorite-epidote rich; trace-1% pyrite, chalcopyrite	Tr.-1	py,cp	<5	<15	<10	108	13
105	BD58617	615606	5423952	---	---	Hornblende diorite; <1% pyrite	<1	py	<5	<15	<10	51	14
106	BD58618	615706	5423810	---	---	Diabase; trace pyrite (10 m north of L18+00N, 7+25W)	Tr.	py	<5	<15	<10	142	30
107	BD58619	615734	5423789	---	---	Diabase; trace pyrite (L18+00N, 6+95W on line)	Tr.	py	<5	<15	<10	117	30
108	BD58620	616218	5423236	---	---	Diabase; trace pyrite (25 m south of BL0 at L18+00N)	Tr.	py	<5	<15	<10	132	29
109	BD58621	615530	5423986	---	---	Hornblendite; medium-grained, brittle; <1% pyrite	<1	py	<5	<15	<10	93	44
110	BD58622	615558	5423980	---	---	Hornblende pyroxenite, medium-grained, malachite vug, <1% pyrite	<1	py	<5	<15	<10	134	28
111	BD58623	615558	5423980	---	---	Medium- to coarse-grained, feldspathic hornblendite and some pegmatitic gabbro, trace to 1% pyrite	<1	py	<5	<15	<10	65	39
112	BD58624	617519	5425297	---	---	Gabbro, fine- to medium-grained feldspar (40-50%); trace-1% pyrite, chalcopyrite	Tr.-1	py,cp	<5	<15	<10	127	15
113	BD58625	617580	5425491	---	---	Ultramafic, magnetic, epidote; <1% pyrite	<1	py	<5	<15	<10	26	104
114	BD58626	617576	5425486	---	---	Gabbro/pyroxenite, medium-grained, trace pyrite	Tr.	py	<5	<15	<10	29	104
115	BD58627	617618	5425464	---	---	Feldspathic hornblende pyroxenite to melagabbro (L42+00N, 0+57E); trace pyrite	Tr.	py	<5	<15	<10	6	25
116	BD58628	617612	5425474	---	---	Gabbro/pyroxenite; trace pyrite	Tr.	py	<5	<15	<10	7	78
117	BD58629	617559	5425576	---	---	Ultramafic (hornblende pyroxenite?), altered olivine; stained, trace pyrite	Tr.	py	6	84	58	170	57
118	BD58630	617497	5425257	---	---	Hornblende gabbro; slightly magnetic; trace pyrite	Tr.	py	<5	<15	<10	21	68
119	BD58631	617520	5425517	---	---	Hornblende gabbro; highly magnetic; trace pyrite	Tr.	py	<5	<15	<10	17	88
120	BD58632	616998	5425925	---	---	Feldspathic hornblende pyroxenite, slight Fe-staining, slightly mag; trace pyrite	Tr.	py	<5	<15	<10	61	53
121	BD58633	616986	5425877	---	---	Leucogabbro/hornblendite, slight Fe-staining, epidote; <1% pyrite	<1	py	<5	<15	<10	365	27
122	BD58634	616995	542886	---	---	Leucogabbro/hornblende, minor slight Fe-staining, trace pyrite	Tr.	py	<5	<15	<10	69	31
123	BD58635	616996	5425876	---	---	Feldspathic hornblende pyroxenite; altered olivine, trace pyrite	Tr.	py	<5	<15	<10	92	22
124	BD58636	614080	5426076	---	---	Hornblende gabbro, fine- to medium-grained (L18+00N, 8+40W), chalcopyrite	Tr.		<5	<15	<10	15	81
125	BD58637	615592	5423952	---	---	Feldspathic hornblende pyroxenite; moderate Fe-staining, medium-grained, olivine, chalcopyrite	Tr.	cp	<5	<15	<10	126	16
126	BD58638	615592	5423952	---	---	Leucogabbro, altered olivine (epidote?); slight Fe-staining, slightly magnetic	<1	?	<5	<15	<10	106	16
127	BD58639	613786	5424265	---	---	Ultramafic, hornblende pyroxenite olivine, slight Fe-staining, magnetite-rich, trace-1% pyrite, chalcopyrite	Tr.-1	py,cp	<5	13	<10	300	42
128	BD58640	613786	5424265	---	---	Ultramafic, hornblende pyroxenite olivine, slight Fe-staining, magnetite-rich, malachite, trace-1% pyrite	Tr.-1	py	<5	<15	15	292	50
129	BD58641	613777	5424265	---	---	Leucogabbro, slight Fe-staining, slightly magnetic (10 m W of BD58639), trace-1% pyrrhotite, pyrite	Tr.-1	po,py	<5	<15	<10	109	20
130	BD58642	615020	5422983	---	---	Ultramafic hornblende pyroxenite, medium-grained, trace pyrite	Tr.	py	<5	<15	<10	20	12
131	BD58643	613794	5423837	---	---	Ultramafic hornblende pyroxenite, coarse-grained, slight Fe-staining, trace pyrite	Tr.	py	<5	<15	<10	26	91
132	BD58644	613794	5423837	---	---	Ultramafic hornblende pyroxenite, medium- to coarse-grained, trace pyrrhotite	Tr.	po	<5	<15	<10	95	73
133	BD58645	613817	5423868	---	---	Melagabbro, hornblende pyrrhotiterphyritic, phenocrysts, very coarse, trace pyrrhotite	Tr.	po	<5	<15	<10	78	44
134	BD58646	6160778	5422334	---	---	Hornblende pyroxenite, medium-grained, slight Fe-staining, epidote, 1% disseminated sulphides	1	Sulph.	<5	<15	<10	670	57
135	BD58647	616078	5422334	---	---	Gabbro, fine-grained, minor Fe stain, epidote, hornblende	1	Sulph.	<5	<15	<10	921	26
136	BD58648	616078	5422334	---	---	Hornblende, pyroxenite, minor Fe stain on fractures, slightly magnetic	<1	Sulph.	<5	87	29	117	62

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No.	Sample Number	Location (UTM) Easting	Location (UTM) Northing	Location (Grid) Northing	Location (Grid) Easting	Sample Description	Sulph. Est. %	Sulph. Min.	Au ppb	Pt ppb	Pd ppb	Cu ppm	Ni ppm
137	BD58649	615931	5422431	---	---	*Hornblende, pyroxenite, diorite and tonalite vein, moderate Fe-staining, medium-grained* pyroxenes	1-2	py	<5	<15	12	660	74
138	BD58650	615931	5422431	---	---	Feldspathic hornblende pyroxenite, fine-grained; Fe stain, sugary texture	<1	Sulph.	<5	25	<10	460	166
139	BD58651	615931	5422431	---	---	Feldspathic hornblendite pyroxenite, fine- to medium-grained; slight Fe-staining	<1	Sulph.	7	24	30	145	146
140	BD58652	615941	5422504	---	---	Feldspathic hornblendite pyroxenite, fine- to medium-grained; slight Fe-staining	Tr.	Sulph.	<5	<15	<10	383	72
141	BD58653	616497	5424498	---	---	**Chisel Occurrence**: Highly altered gabbro to hornblendite, rusty, coarse-grained; 2-4% pyrrhotite, pyrite	2-4	po,py	<5	<15	<10	3367	48
142	BD58654	612467	5422995	---	---	Breccia fragments in medium-grained gabbro, slight Fe-staining, non-magnetic	1	Sulph.	<5	<15	<10	118	29
143	BD58655	612502	5423001	---	---	Fragmented fine-grained gabbro; non-magnetic	<1	Sulph.	14	<15	13	<1	64
144	BD58656	612463	5423027	---	---	Brecciated hornblende gabbro, medium-grained, moderate Fe-staining, non-magnetic	<1	Sulph.	<5	<15	<10	72	30
145	BD58657	612425	5423013	---	---	Feldspathic hornblende gabbro, medium-grained weakly magnetic	Tr.-1	Sulph.	<5	<15	<10	16	19
146	BD58658	612549	5422969	---	---	coarse-grained hornblende gabbro, epidote, trace magnetite, slight Fe-staining, trace-1% pyrrhotite	Tr.-1	po	<5	<15	<10	48	17
147	BD58659	612525	5422901	---	---	Hornblende gabbro, feldspar phenocrysts slight Fe-staining, coarse-grained	<1	Sulph.	<5	<15	<10	189	43
148	BD58660	612517	5422837	---	---	Hornblende/pyroxenite, coarse-grained, non-magnetic, diopside	Tr.	Sulph.	<5	<15	<10	61	55
149	BD58661	612572	5423510	---	---	Hornblende gabbro, medium- coarse-grained, trace pyrrhotite	Tr.	Sulph.	<5	<15	11	79	19
150	BD58662	612586	5423995	---	---	**West Bulldozer Lake Occurrence**: fine- to medium-grained gabbro; slight Fe-staining; 1 to 2% disseminated pyrite, some chalcopyrite	1-2	py	9	<15	<10	2077	191
151	BD58663	612581	5423048	---	---	Coarse-grained hornblende gabbro, slightly magnetic: 1% disseminated sulphides	1	Sulph.	<5	20	31	591	72
152	BD58664	611761	5423360	---	---	Diabase, slightly magnetic, minor moderate Fe-staining, <1% pyrrhotite	<1	py	<5	<15	<10	46	46
153	BD58665	611947	5423552	---	---	Feldspathic hornblende gabbro, fine- medium-grained, non-magnetic	Tr.	Sulph.	<5	<15	<10	53	18
154	BD58666	611947	5423552	---	---	Feldspathic hornblende pyroxenite, medium-grained, non-magnetic, minor Fe-staining	Tr.	Sulph.	<5	<15	<10	53	57
155	BD58667	611931	542376	---	---	**Talc Occurrence**: talcose, hornblende pyroxenite, medium-grained, slightly magnetic, 1-2% chalcopyrite, pyrite, pyrrhotite	1-2	cp,py, po	15	17	39	1689	144
156	BD58668	611931	5423576	---	---	Highly altered talcose, tremolite, ultramafic	1	cp,py, po	<5	<15	14	204	397
157	BD58669	611934	5423576	---	---	Hornblende pyroxenite, medium-grained, highly magnetic, moderate Fe-staining; trace to 1% tarnished bornite	Tr.-1	Sulph.	12	<15	<10	358	51
158	BD58670	611891	5423542	---	---	**Talc South Occurrence:** feldspathic hornblende gabbro (altered) slightly magnetic, 2-3% chalcopyrite, pyrite, pyrrhotite	2-3	cp,py, po	5	<15	<10	2305	99
159	BD58671	612258	5425843	---	---	Highly altered feldspathic hornblende gabbro (dioritic); slightly magnetic	Tr.	Sulph.	<5	<15	<10	89	22
160	BD58672	612258	5425843	---	---	Hornblende gabbro, slight Fe-staining stain, trace chalcopyrite, pyrrhotite	Tr.-1	cp,po	<5	<15	<10	212	25
161	BD58673	611511	5425658	---	---	Feldspathic hornblende gabbro (mica); slightly magnetic, <1% pyrrhotite, pyrite	<1	po,py	<5	<15	<10	144	27
162	BD58674	611511	5425669	---	---	Fine-grained altered gabbro (anorthosite?) moderate Fe-staining staining, 2-3% pyrrhotite, chalcopyrite	2-3	po,cp	<5	<15	<10	95	11
163	BD58675	611510	5425669	---	---	Feldspathic hornblende pyroxenite, highly magnetic, minor slight Fe-staining stain	Tr.-1	Sulph.	<5	<15	<10	142	56
164	BD58676	611637	5425656	---	---	Altered, fine-grained leucogabbro (anorthosite?), moderate Fe-staining; non-magnetic	1	Sulph.	<5	<15	<10	65	17
165	BD58677	611496	5425597	---	---	Altered feldspathic hornblende gabbro, medium-grained, moderate Fe-staining; slightly magnetic	1	Sulph.	<5	<15	<10	114	47
166	BD58678	611491	5425609	---	---	Fine-grained altered gabbro, moderate Fe-staining; non-magnetic, 2-3% pyrrhotite, trace chalcopyrite	2-3	po,cp	<5	<15	<10	80	34
167	BD58679	611511	5425669	---	---	Hornblendeite, highly magnetic, medium-grained <1% pyrrhotite, chalcopyrite	<1	po,cp	12	<15	<10	186	68
168	BD58680	611953	5424972	---	---	Hornblende gabbro, some epidote, non-magnetic, 1-2% chalcopyrite, pyrite, pyrrhotite	1-2	cp,py, po	<5	<15	<10	118	32

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No.	Sample Number	Location (UTM) Easting	Location (UTM) Northing	Location (Grid) Northing	Location (Grid) Easting	Sample Description	Sulph. Est. %	Sulph. Min.	Au ppb	Pt ppb	Pd ppb	Cu ppm	Ni ppm
169	BD58681	611932	5423560	---	---	Altered hornblende gabbro, medium- to coarse-grained; non-magnetic, moderate Fe-staining	1	Sulph.	<5	<15	19	200	159
170	BD58682	611955	5423507	---	---	Hornblende gabbro, moderate Fe-staining; highly magnetic, bitotite alteration, trace-1% chalcopyrite,malachite	Tr.-1	cp,mal	9	<15	16	836	126
171	BD58683	611955	5423507	---	---	Hornblende gabbro, moderate Fe-staining; highly magnetic, biotite alteration	<1	Sulph.	13	<15	<10	222	78
172	BD58684	611955	5423507	---	---	Hornblende gabbro, biotite alteration; moderate Fe-staining, highly magnetic, malachite, <1% chalcopyrite; 75 m south-southeast of Talc Occurrence	<1	mal	28	51	114	832	277
173	BD58685	612558	5425653	---	---	Hornblende gabbro, fine-grained, moderate Fe-staining, non-magnetic	Tr.	Sulph.	<5	<15	<10	96	18
174	BD58686	612461	5422867	---	---	Fine-grained gabbro-diorite, slight Fe-staining; slightly magnetic	1	Sulph.	<5	<15	<10	57	18
175	BD58701	616150	5422340	---	---	**Bulldozer East Occurrence**: fine-grained, dioritic-textured zone, trace to 1% chalcopyrite, 1% py	Tr.-2	cp,py	<5	19	34	1045	192
176	BD58702	616150	5422340	---	---	**Bulldozer East Occurrence**, fine- to medium-grained, black, pyroxenite, abundant white muscovite mica, heavily limonite stained, localized trace-10% pyrite, trace chalcopyrite	Tr.-10	py,cp	<5	29	43	1233	293
177	BD58703	615322	5425896	---	---	Fine- to medium-grained, dark grey to black, feldspathic hornblende gabbro	Nil	---	<5	<15	<10	32	30
178	BD58704	616150	5422340	---	---	Fine- to medium-grained, black hornblendite, 1-2% fine disseminated pyrite, trace chalcopyrite	1-2	py,cp	<5	<15	12	181	94
179	BD58705	615551	5423947	---	---	Medium-grained, black hornblendite with +2% black biotite flakes, <5% feldspar, 1-2% pyrite/pyrrhotite, trace chalcopyrite, trace pentlandite	1-2	cp,pent	<5	<15	<10	118	80
180	BD58706	615572	5423977	---	---	Medium-grained, black hornblendite, 3% black biotite flakes, 1-3% disseminated pyrite	1-3	py	<5	<15	<10	105	97
181	BD58707	613770	5423848	---	---	*Medium- to coarse-grained, black and white mottled, hornblende melanogabbro, trace-1% pyrite, minor yellow-green epidote*	Tr.-1	py	<5	<15	<10	41	15
182	BD58708	613770	5423848	---	---	Coarse-grained, black melanogabbro no sulfides, minor Fe-staining	Nil	---	<5	<15	<10	17	53
183	BD58709	613752	5423844	---	---	Coarse-grained, black feldspathic proxenite, <1% brown feldspar	Nil	---	<5	<15	<10	32	62
184	BD58710	614864	5422940	---	---	Fine- to medium-grained, dark green-black, hornblendite, 5% magnetite, trace-1% pyrrhotite/pyrite, trace chalcopyrite and malachite	Tr.-1	cp,mal	<5	<15	<10	285	73
185	BD58711	614607	5422870	---	---	**Silver Fox Cu Occurrence**; fine- to medium-grained, dark green-black, hornblendite, trace-1% pyrite (0.3 m)	Tr.-1	py	<5	<15	<10	131	53
186	BD58712	614607	5422870	---	---	**Silver Fox Cu Occurrence**; fine- to medium-grained, hornblende gabbro? 2-4% pyrite, chalcopyrite (0.3 m)	2-4	py,cp	<5	<15	18	2276	144
187	BD58713	614607	5422870	---	---	**Silver Fox Cu Occurrence**; medium-grained, black hornblendite, 1-3% pyrite, trace chalcopyrite (0.5 m)	1-3	py,cp	<5	<15	<10	123	41
188	BD58714	614607	5422870	---	---	**Silver Fox Cu Occurrence**; fine- to medium-grained, black hornblendite, 1-2% pyrite, 1-2% black biotite (0.5 m)	1-2	py	<5	<15	<10	140	42
189	BD58715	614607	5422870	---	---	**Silver Fox Cu Occurrence**; fine- to medium-grained, black hornblendite, 2-3% black biotite, 1% pyrite, intruded by tonalite dyke, partly crumbly (grab)	1	py	<5	<15	<10	266	66
190	BD58716	614607	54228870	---	---	**Silver Fox Cu Occurrence**; fine- to medium-grained, black hornblendite, well Fe stained, 5% black biotite, 1-5% pyrite (grab)	1-5	py	<5	<15	<10	185	38
191	BD58717	614607	5422870	---	---	**Silver Fox Cu Occurrence**; fine-grained, 10% white feldspar in black hornblendite; 1-3% pyrite	1-3	py	<5	16	40	1375	77
192	BD58718	615912	5421809	---	---	**Dave's Boulder**; medium-grained hornblendite, 1-5% pyrrhotite, chalcopyrite	1-5	po,cp	<5	<15	13	734	35
193	BD58719	615912	5421809	---	---	**Dave's Boulder**; fine-grained, light grey, biotitic, grainy tonalite or altered gabbro, 1-3% pyrite, pyrrhotite, trace chalcopyrite	1-3	py,po, cp	<5	<15	14	2816	58
194	BD58720	615912	5421809	---	---	**Dave's Boulder**; fine-grained, light-medium grey, biotitic, grainy tonalite or altered gabbro, 2-5% pyrite, pyrrhotite, trace-1% chalcopyrite, trace bornite	2-5	py,po, cp,bo	<5	<15	14	4209	96
195	BD58721	612442	5422833	---	---	Medium- to coarse-grained, black to black and white mottled hornblendite to feldspathic hornblendite; trace pyrite, pyrrhotite, chalcopyrite	Tr..	py,po, cp	<5	<15	<10	63	31

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No.	Sample Number	Location (UTM) Easting	Location (UTM) Northing	Location (Grid) Northing	Location (Grid) Easting	Sample Description	Sulph. Est. %	Sulph. Min.	Au ppb	Pt ppb	Pd ppb	Cu ppm	Ni ppm
196	BD58722	612468	5422810	---	---	Medium- to coarse-grained, black and white mottled, hornblende gabbro, trace pyrite	Tr.	py	<5	<15	<10	47	20
197	BD58723	612485	5422879	---	---	Coarse-grained, black, hornblendite, Fe-stained fracturing, minor biotite mica and medium green clinopyroxene	Tr.	Sulph.	<5	16	12	63	41
198	BD58724	6124889	5422875	---	---	Fine- to medium-grained, light yellowish-green and black mottled, altered diorite (?); Fe stained fracturing throughout, trace-<1% pyrite, cp; fine biotite mica related to fracturing	Tr.-1	py,cp	<5	<15	<10	68	33
199	BD58725	612545	5423658	---	---	Coarse-grained, black and white mottled, hornblende gabbro, trace-<1% pyrrhotite, 1-2% black biotite flakes	Tr.-1	po	<5	<15	<10	93	26
200	BD58726	612542	5424028	---	---	Coarse-grained, black and white mottled hornblende gabbro, trace-3% magnetite, trace-2% pyrite, pyrrhotite, trace chalcopyrite, localized hornblendite inclusions	Tr.-2	py,po, cp	<5	<15	<10	97	23
201	BD58727	612210	5422980	---	---	Fine-grained, black hornblendite inclusions in a hornblende gabbro, trace pyrite	Tr.	py	<5	<15	<10	21	40
202	BD58728	611629	5422936	---	---	Medium-grained, black hornblendite, <10% white feldspar	Nil	---	<5	<15	<10	10	28
203	BD58729	611633	5422814	---	---	Fine- to medium-grained, black and white mottled, hornblende gabbro, trace-1% black biotite flakes, Fe stained fracture planes	Nil	---	<5	<15	<10	30	10
204	BD58730	611631	5422944	---	---	Brecciated medium- to coarse-grained black hornblenditeand feldspathic hornblendite; trace pyrite, chalcopyrite; minor epidote/olivine, reddish-brown mineral (garnet?)	Tr.	py,cp	<5	<15	<10	54	33
205	BD58731	611640	5422938	---	---	Similar to sample BD58730 except for trace-2% vitreous light green epidote/olivine, no sulphides	Nil	---	<5	<15	<10	22	37
206	BD58732	612792	5425812	---	---	Medium- to coarse-grained, black and white mottled, hornblende gabbbro, trace-1% pyrite, trace chalcopyrite	Tr.-1	py,cp	<5	<15	<10	21	15
207	BD58733	612246	5425843	---	---	coarse-grained, black and white mottled feldspar hornblende gabbro, 1% black biotite trace pyrite, chalcopyrite	Tr.	py,cp	<5	<15	<10	22	16
208	BD58734	612270	5425834	---	---	Fine-grained, altered hornblende gabbro, strongly Fe stained weathering	Tr.-3	Sulph.	<5	<15	<10	112	17
209	BD58735	611511	5425669	---	---	Altered, fine- to medium-grained, light green and black, hornblende leucogabbro, light yellow-green epidote, 1-3% pyrrhotite, trace chalcopyrite	1-3	po,cp	<5	<15	<10	25	28
210	BD58736	611511	5425669	---	---	Fine- to medium-grained, black and white mottled, hornblende gabbro with minor light green anorthosite; trace-1% pyrrhotite	Tr.-1	po	<5	<15	<10	29	19
211	BD58737	611511	5425669	---	---	Fine-grained with coarse-grained altered elongated white feldspar phenocrysts in altered hornblende gabbro, 2-4% disseminated pyrrhotite, trace chalcopyrite; weathered surface is quite Fe stained	2-4	po,cp	<5	<15	<10	117	23
212	BD58738	611511	5425669	---	---	Fine-grained, grey quartz diorite, 3-5% pyrite, pyrrhotite, trace chalcopyrite, weathered surface is quite Fe stained	3-5	py,po, cp	<5	<15	<10	59	15
213	BD58739	611482	5425601	---	---	Coarse-grained, black and white mottled, hornblende gabbro, Fe stained fracturing, 1-5% localized pyrite, pyrrhotite, some epidote	1-5	py,po	<5	<15	<10	119	40
214	BD58740	611511	5425669	---	---	Fine-grained, grey quartz diorite, 5% pyrite, pyrrhotite, trace chalcopyrite	5	py,po, cp	<5	<15	<10	79	35
215	BD58741	611982	5425099	---	---	Coarse-grained, black and light green hornblende leucogabbro trace-<1% pyrrhotite, trace chalcopyrite	Tr.	po,cp	6	<15	<10	243	32
216	BD58742	611894	5423524	---	---	Fine- to medium-grained, dark greenish black hornblendite 5% magnetite, trace pyrite, Fe stained fractures	Tr.	py	<5	<15	<10	149	25
217	BD58743	611896	5423554	---	---	Medium- to coarse-grained, black hornblendite with average 3% pyrrhotite and as high as 5% trace chalcopyrite, minor malachite, minor biotite flakes	3-5	po,cp, mal	<5	<15	<10	106	56
218	BD58744	611896	5423554	---	---	Coarse-grained hornblendite, some malachite stained fractures, trace-5% pyrrhotite	Tr.-5	po	13	<15	<10	245	54
219	BD58745	611931	5423576	---	---	Medium- to coarse-grained, dark greenish-black, hornblendite, Fe stained fractures; 3% pyrite, pyrrhotite located on side of talcose tremolite zone	3	py,po	<5	<15	<10	456	93

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No.	Sample Number	Location (UTM) Easting	Location (UTM) Northing	Location (Grid) Northing	Location (Grid) Easting	Sample Description	Sulph. Est. %	Sulph. Min.	Au ppb	Pt ppb	Pd ppb	Cu ppm	Ni ppm
220	**BD58746**	612485	5422879	---	---	**South Bulldozer Lake Occurrence**: blasted sample; fine- to medium-grained, dark greenish-black, hornblende gabbro, minor epidote; 5% to locally semi-massive pyrite (cubes evident), trace chalcopyrite	5	py,cp	<5	<15	<10	1170	47
221	**BD58747**	612544	5424174	---	---	*Coarse-grained, black hornblendite; trace chalcopyrite*	Tr.	cp	10	17	16	597	104
222	**BD58748**	612485	5422879	---	---	**South Bulldozer Lake Occurrence**: coarse-grained, black hornblendite (up to 10% white to orange feldspar), 5-7% crystalline pyrite, trace chalcopyrite, trace molybdenite (?), minor green epidote	5-7	cp,mo	<5	<15	<10	2179	93
223	**BD58951**	---	---	L6+00N	10+05W	Fine- to medium-grained, massive hornblendite (hornblende clinopyroxenite?), trace disseminated pyrite (?)	Tr.	py	<5	<15	<10	37	51
224	**BD58952**	---	---	L6+58N	2+48E	*Coarse-grained, moderately foliated hornblende gabbro; </-1% very fine disseminated pyrite+/-chalcopyrite*	</-1	cp,cp	<5	<15	<10	49	23
225	**BD58953**	---	---	L6+65N	2+79E	Medium- to coarse-grained hornblendite (hornblende clinopyroxenite?), no sulphides; same location as1999 sample L99-002	Nil	---	<5	<15	<10	132	98
226	**BD58954**	---	---	L6+64N	2+77E	Medium- to coarse-grained hornblendite (hornblende clinopyroxenite?), no sulpides-1999 sample L99-003	Nil	---	<5	<15	<10	200	66
227	**BD58955**	---	---	L7+87N	1+58E	**Magna Occurrence**: layered coarse-grained gabbro and hornblendite; small rusty patches, trace 5% disseminated pyrite, pyrrhotite, chalcopyrite	Tr.-5	py,po, cp	7	<15	19	1223	147
228	**BD58956**	---	---	L7+97N	1+93E	Coarse- to very coarse-grainedr hornblende gabbro, 1-2% disseminated magnetite, trace-1% very finely disseminated pyrrhotite; moderately epidotized	Tr.-1	po	<5	<15	<10	62	24
229	**BD58957**	616083	5422376	---	---	**Bulldozer Occurrence**; Panel Sample - 40 cm x 80 cm; directly adjacent to the south of sample BD58556; slightly wispy, variably mineralized hornblendite to hornblende clinopyroxenite, fine- to medium-grained, trace-4% finely disseminated pyrrhotite, pyrite, minor chalcopyrite	Tr.-4	po,py, cp	<5	<15	<10	242	58
230	**BD58958**	616069	5422387	---	---	**Bulldozer Occurrence**; 50 cm chip adjacent to and south of BD58565; fine-grained recrystallized hornblendite with <1-3% disseminated pyrrhotite, pyrite, chalcopyrite scattered unevenly throughout sample	<1-3	po,py, cp	<5	<15	11	78	59
231	**BD58959**	616082	5422380	---	---	**Bulldozer Occurrence**; 25 cm chip at same location as BD58565; rusty, medium-grained, recrystallized hornblendite to feldspathic hornblendite with a fine-grained, sugary tonalite vein cross-cutting; 1-4% disseminated pyrrhotite, pyrite, chalcopyrite	1-4	po,py, cp	<5	18	29	182	86
232	**BD58960**	616070	5422387	---	---	**Bulldozer Occurrence**; 60 cm chip - adjacent to the north of BD58565; fine-grained, recrystallized hornblendite with 1-4% disseminated pyrrhotite, pyrite, chalcopyrite; possibly biotitic; rusty	1-4	po,py, cp	<5	20	28	92	106
233	**BD58961**	---	---	L11+08N	24+30W	Fine- to medium-grained groundmass of plagioclase, hornblende, green epidote (diopside?) and 10-20% quartz hosting 35-40% 3-5 mm hornblende phenocrysts (subhedral to euhedral); slightly pinkish cast possibly due to K-feldspar?; rock is a metasomatic hybrid and maybe a quartz monzogabbro or quartz-monzodiorite; no observed sulphides	Nil	---	<5	<15	<10	62	46

APPENDIX II

2000 Certificates of Analysis

Freewest Resources Canada Inc.

Bulldozer and Jembi Options, Gum Property

Bulldozer.

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Friday, June 02, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 29-May-00
Date Completed : 31-May-00
Job # 200040306
Reference : A. Mactavish
Sample #: 69 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
9947		BD58501	< 5	< 15	< 10		1		26		26		
9948		BD58502	< 5	< 15	< 10		1		28		30		
9949		BD58503	< 5	< 15	< 10		1		23		46		
9950		BD58504	< 5	< 15	< 10		< 1		65		103		
9951		BD58505	< 5	16	< 10		1		69		52		
9952		BD58506	< 5	< 15	< 10		< 1		15		42		
9953		BD58507	< 5	< 15	< 10		1		132		59		
9954		BD58508	< 5	< 15	< 10		< 1		30		36		
9955		BD58509	< 5	< 15	< 10		< 1		10		62		
9956		BD58551	< 5	< 15	< 10		< 1		49		46		
9957	Check	BD58551	< 5	< 15	< 10		< 1		50		46		
9958		BD58552	< 5	< 15	< 10		< 1		83		44		
9959		BD58553	< 5	33	26		2		4650		357		
9960		BD58554	< 5	27	25		2		6548		193		
9961		BD58555	< 5	< 15	10		< 1		46		80		
9962		BD58556	< 5	< 15	< 10		< 1		23		30		
9963		BD58557	< 5	< 15	< 10		< 1		19		35		
9964		BD58558	< 5	43	49		6		3747		133		
9965		BD58559	7	55	27		6		1726		112		
9966		BD58560	< 5	< 15	< 10		< 1		38		38		
9967	Check	BD58560	< 5	< 15	< 10		< 1		35		40		
9968		BD58561	< 5	< 15	< 10		< 1		24		17		
9969		BD58562	< 5	< 15	< 10		< 1		24		52		
9970		BD58563	< 5	43	44		2		5830		771		

PROCEDURE CODES: AL4APP, AL4Ag, AL4Cu, AL4Ni

Certified By:

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
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PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Friday, June 02, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 29-May-00
Date Completed : 31-May-00
Job # 200040306
Reference : A. Mactavish
Sample #: 69 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
9971		BD58564	< 5	< 15	< 10		< 1		67		77		
9972		BD58565	28	62	221		< 1		4394		1219		
9973		BD58566	< 5	< 15	< 10		< 1		108		35		
9974		BD58567	< 5	24	< 10		< 1		1047		58		
9975		BD58568	< 5	< 15	< 10		< 1		86		42		
9976		BD58569	< 5	< 15	< 10		< 1		511		65		
9977	Check	BD58569	< 5	< 15	< 10		< 1		484		63		
9978		BD58570	< 5	< 15	< 10		< 1		242		29		
9979		BD58571	75	172	60		< 1		5813		249		
9980		BD58572	< 5	22	25		< 1		385		95		
9981		BD58573	< 5	< 15	< 10		1		91		32		
9982		BD58574	< 5	< 15	< 10		1		34		58		
9983		BD58575	< 5	< 15	< 10		1		33		39		
9984		BD58576	8	34	29		2		1719		193		
9985		BD58577	6	< 15	< 10		1		288		32		
9986		BD58578	11	24	24		2		140		78		
9987	Check	BD58578	13	21	22		2		144		80		
9988		BD58579	< 5	< 15	< 10		2		64		52		
9989		BD58580	< 5	< 15	< 10		2		234		43		
9990		BD58581	< 5	< 15	< 10		1		71		33		
9991		BD58582	< 5	< 15	< 10		< 1		53		26		
9992		BD58583	< 5	< 15	< 10		< 1		44		50		
9993		BD58584	< 5	< 15	13		< 1		50		30		
9994		BD58585	< 5	< 15	< 10		< 1		83		66		

PROCEDURE CODES: AL4APP, AL4Ag, AL4Cu, AL4Ni

Certified By:

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
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PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Friday, June 02, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 29-May-00
Date Completed : 31-May-00
Job # 200040306
Reference : A. Mactavish
Sample #: 69 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
9995		BD58586	< 5	< 15	< 10		< 1		155		162		
9996		BD58587	< 5	< 15	< 10		< 1		56		45		
9997	Check	BD58587	< 5	< 15	< 10		< 1		56		41		
9998		BD58588	< 5	< 15	< 10		1		25		71		
9999		BD58589	< 5	< 15	< 10		< 1		24		80		
10000		BD58590	< 5	< 15	< 10		< 1		97		95		
10001		BD58601	6	16	13		1		223		46		
10002		BD58602	< 5	< 15	< 10		1		143		55		
10003		BD58603	9	< 15	11		1		932		76		
10004		BD58604	< 5	< 15	< 10		< 1		70		68		
10005		BD58605	< 5	< 15	< 10		< 1		53		34		
10006		BD58606	< 5	< 15	< 10		< 1		170		25		
10007	Check	BD58606	< 5	< 15	< 10		< 1		167		26		
10008		BD58607	< 5	< 15	< 10		1		199		19		
10009		BD58608	< 5	< 15	< 10		< 1		8		46		
10010		BD58609	< 5	< 15	< 10		< 1		149		30		
10011		BD58610	< 5	< 15	< 10		< 1		128		30		
10012		BD58611	< 5	< 15	< 10		< 1		144		28		
10013		BD58612	7	< 15	< 10		< 1		495		27		
10014		BD58613	< 5	< 15	< 10		< 1		10		49		
10015		BD58614	< 5	< 15	< 10		< 1		13		57		
10016		BD58615	< 5	< 15	< 10		< 1		98		30		
10017	Check	BD58615	< 5	< 15	< 10		< 1		101		30		
10018		BD58616	< 5	< 15	< 10		< 1		108		13		

PROCEDURE CODES: AL4APP, AL4Ag, AL4Cu, AL4Ni

Certified By:

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
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Certificate of Analysis

Friday, June 02, 2000

Freewest Resources Canada Ltd
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Fax#: (807) 346-0778

Date Received : 29-May-00
Date Completed : 31-May-00
Job # 200040306
Reference : A. Mactavish
Sample #: 69 Rock

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
10019	BD58617	< 5	< 15	< 10		< 1		51		14		
10020	BD58618	< 5	< 15	< 10		< 1		142		30		
10021	BD58619	< 5	< 15	< 10		< 1		117		30		
10022	BD58620	< 5	< 15	< 10		< 1		132		29		

PROCEDURE CODES: AL4APP, AL4Ag, AL4Cu, AL4Ni

Certified By:

Bulldozer Prospecting

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

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Friday, June 02, 2000

Freewest Resources Canada Ltd
855 Field Street
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Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 30-May-00
Date Completed : 02-Jun-00
Job # 200040317
Reference : A. Mactavish
Sample #: 41 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
10456		BD58510	< 5	< 15	< 10				131		45		
10457		BD58511	13	< 15	< 10				4228		67		
10458		BD58512	< 5	< 15	< 10				30		45		
10459		BD58513	< 5	< 15	< 10				8		108		
10460		BD58514	< 5	< 15	< 10				4		34		
10461		BD58515	< 5	< 15	< 10				15		53		
10462		BD58516	< 5	< 15	< 10				26		102		
10463		BD58517	< 5	< 15	< 10				84		168		
10464		BD58518	< 5	< 15	< 10				250		82		
10465		BD58519	6	< 15	< 10				261		83		
10466	Check	BD58519	7	< 15	< 10				243		78		
10467		BD58520	< 5	< 15	< 10				63		59		
10468		BD58521	< 5	< 15	< 10				41		26		
10469		BD58522	< 5	< 15	< 10				174		20		
10470		BD58523	< 5	< 15	< 10				140		26		
10471		BD58524	< 5	< 15	< 10				42		73		
10472		BD58525	< 5	< 15	< 10				58		75		
10473		BD58526	10	< 15	10				39		72		
10474		BD58527	< 5	< 15	< 10				42		71		
10475		BD58528	< 5	< 15	< 10				24		81		
10476	Check	BD58528	< 5	< 15	< 10				24		81		
10477		BD58529	< 5	< 15	< 10				477		134		
10478		BD58591	< 5	< 15	< 10				52		48		
10479		BD58592	8	< 15	< 10				464		62		

PROCEDURE CODES: AL4PP, AL4Cu, AL4Ni

Certified By:

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A DIVISION OF ASSAY LABORATORY SERVICES INC.

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Certificate of Analysis

Friday, June 02, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 30-May-00
Date Completed : 02-Jun-00
Job # 200040317
Reference : A. Mactavish
Sample #: 41 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
10480		BD58593	< 5	< 15	< 10				115		36		
10481		BD58594	< 5	< 15	< 10				330		38		
10482		BD58595	< 5	< 15	< 10				25		49		
10483		BD58596						No Sample					
10484		BD58621	< 5	< 15	< 10				93		44		
10485		BD58622	< 5	< 15	< 10				134		28		
10486	Check	BD58622	< 5	< 15	< 10				138		27		
10487		BD58623	< 5	< 15	< 10				65		39		
10488		BD58624	< 5	< 15	< 10				127		15		
10489		BD58625	< 5	< 15	< 10				26		104		
10490		BD58626	< 5	< 15	< 10				29		104		
10491		BD58627	< 5	< 15	< 10				6		25		
10492		BD58628	< 5	< 15	< 10				7		78		
10493		BD58629	6	84	58				170		57		
10494		BD58951	< 5	< 15	< 10				37		51		
10495		BD58952	< 5	< 15	< 10				49		23		
10496	Check	BD58952	< 5	< 15	< 10				46		27		
10497		BD58953	< 5	< 15	< 10				132		98		
10498		BD58954	< 5	< 15	< 10				200		66		
10499		BD58955	7	< 15	19				1223		147		
10500		BD58956	< 5	< 15	< 10				62		24		

PROCEDURE CODES: AL4PP, AL4Cu, AL4Ni

Certified By

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
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Certificate of Analysis

Friday, June 16, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 09-Jun-00
Date Completed : 16-Jun-00
Job # 200040367
Reference : Al MacTavish
Sample #: 52 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
12685		East Edge	< 5	< 15	< 10				34		23		
12686		BD58597	< 5	< 15	< 10				139		34		
12687		BD58598	< 5	< 15	< 10				26		44		
12688		BD58599	10	35	31				92		41		
12689		BD58600	< 5	< 15	10				73		44		
12690		BD58630	< 5	< 15	< 10				21		68		
12691		BD58631	< 5	< 15	< 10				17		88		
12692		BD58632	< 5	< 15	< 10				61		53		
12693		BD58633	< 5	< 15	< 10				365		27		
12694		BD58634	< 5	< 15	< 10				69		31		
12695	Check	BD58634	< 5	< 15	< 10				69		25		
12696		BD58635	< 5	< 15	< 10				92		22		
12697		BD58636	< 5	< 15	< 10				15		81		
12698		BD58637	< 5	< 15	< 10				126		16		
12699		BD58638	< 5	< 15	< 10				106		16		
12700		BD58639	< 5	< 15	13				300		42		
12701		BD58640	< 5	< 15	15				292		50		
12702		BD58641	< 5	< 15	< 10				109		20		
12703		BD58642	< 5	< 15	< 10				20		12		
12704		BD58643	< 5	< 15	< 10				26		91		
12705	Check	BD58643	7	< 15	< 10				24		82		
12706		BD58644	< 5	< 15	< 10				95		73		
12707		BD58645	< 5	< 15	< 10				78		44		
12708		BD58646	< 5	< 15	< 10				670		57		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

ACCURASSAY LABORATORIES

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Certificate of Analysis

Friday, June 16, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 09-Jun-00
Date Completed : 16-Jun-00
Job # 200040367
Reference : Al MacTavish
Sample #: 52 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
12709		BD58647	< 5	< 15	< 10				921		26		
12710		BD58648	< 5	29	87				117		62		
12711		BD58649	< 5	< 15	12				660		74		
12712		BD58650	< 5	< 15	25				460		166		
12713		BD58651	7	24	30				145		146		
12714		BD58652	< 5	< 15	< 10				383		72		
12715	Check	BD58652	< 5	< 15	< 10				354		67		
12716		BD58701	< 5	19	34				1045		192		
12717		BD58702	< 5	29	43				1233		293		
12718		BD58703	< 5	< 15	< 10				32		30		
12719		BD58704	< 5	< 15	12				181		94		
12720		BD58705	< 5	< 15	< 10				118		80		
12721		BD58706	< 5	< 15	< 10				105		97		
12722		BD58707	< 5	< 15	< 10				41		15		
12723		BD58708	< 5	< 15	< 10				17		53		
12724		BD58709	< 5	< 15	< 10				32		62		
12725	Check	BD58709	< 5	< 15	< 10				30		58		
12726		BD58710	< 5	< 15	< 10				285		73		
12727		BD58711	< 5	< 15	< 10				131		53		
12728		BD58712	< 5	< 15	18				2276		144		
12729		BD58713	< 5	< 15	< 10				123		41		
12730		BD58714	< 5	< 15	< 10				140		42		
12731		BD58715	< 5	< 15	< 10				266		66		
12732		BD58716	< 5	< 15	< 10				185		38		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
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Friday, June 16, 2000

Freewest Resources Canada Ltd
855 Field Street
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P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 09-Jun-00
Date Completed : 16-Jun-00
Job # 200040367
Reference : Al MacTavish
Sample #: 52 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
12733		BD58717	< 5	16	40				1375		77		
12734		BD58718	< 5	< 15	13				734		35		
12735	Check	BD58718	< 5	< 15	13				775		36		
12736		BD58719	< 5	< 15	14				2816		58		
12737		BD58720	< 5	< 15	14				4209		96		
12738		BD58957	< 5	< 15	< 10				242		58		
12739		BD58958	< 5	< 15	11				78		59		
12740		BD58959	< 5	18	29				182		86		
12741		BD58960	< 5	20	28				92		106		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

Bulldozer - Property

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
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Certificate of Analysis

Thursday, July 06, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
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Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 29-Jun-00
Date Completed : 06-Jul-00
Job # 200040491 180333
Reference : 180333-5157
Sample #: 9 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
17948		BD58532	< 5	< 15	10				108		91		
17949		BD58533	< 5	< 15	< 10				442		75		
17950		BD58534	< 5	< 15	< 10				786		38		
17951		BD58535	< 5	< 15	< 10				352		49		
17952		BD58536	< 5	< 15	17				241		61		
17953		BD58537	< 5	19	16				72		51		
17954		BD58538	< 5	15	< 10				105		83		
17955		BD58653	< 5	< 15	< 10				3367		48		
17956		BD58961	< 5	< 15	< 10				74		47		
17957	Check	BD58961	< 5	< 15	< 10				62		46		

PROCEDURE CODES: AL4PP, AL4Cu, AL4Ni

Certified By:

(Bulldozer - Prospecting)

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Friday, July 14, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 11-Jul-00
Date Completed : 14-Jul-00
Job # 200040546
Reference : Bulldozer 180333
Sample #: 61 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
20547		BD58721	< 5	< 15	< 10				63		31		
20548		BD58722	< 5	< 15	< 10				47		20		
20549		BD58723	< 5	16	12				63		41		
20550		BD58724	< 5	< 15	< 10				68		33		
20551		BD58725	< 5	< 15	< 10				93		26		
20552		BD58726	< 5	< 15	< 10				97		23		
20553		BD58727	< 5	< 15	< 10				21		40		
20554		BD58728	< 5	< 15	< 10				10		28		
20555		BD58729	< 5	< 15	< 10				30		10		
20556		BD58730	< 5	< 15	< 10				54		33		
20557	Check	BD58730	< 5	< 15	< 10				30		45		
20558		BD58731	< 5	< 15	< 10				22		37		
20559		BD58732	< 5	< 15	< 10				21		15		
20560		BD58733	< 5	< 15	< 10				22		16		
20561		BD58734	< 5	< 15	< 10				112		17		
20562		BD58735	< 5	< 15	< 10				25		28		
20563		BD58736	< 5	< 15	< 10				29		19		
20564		BD58737	< 5	< 15	< 10				117		23		
20565		BD58738	< 5	< 15	< 10				59		15		
20566		BD58739	< 5	< 15	< 10				119		40		
20567	Check	BD58739	< 5	< 15	< 10				112		16		
20568		BD58740	< 5	< 15	< 10				79		35		
20569		BD58741	6	< 15	< 10				243		32		
20570		BD58742	< 5	< 15	< 10				149		25		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By: Greg Kaminsky

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
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Certificate of Analysis

Friday, July 14, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 11-Jul-00
Date Completed : 14-Jul-00
Job # 200040546
Reference : Bulldozer
Sample #: 61 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
20571		BD58743	< 5	< 15	< 10				106		56		
20572		BD58744	13	< 15	< 10				245		54		
20573		BD58745	< 5	< 15	< 10				456		93		
20574		BD58746	< 5	< 15	< 10				1170		47		
20575		BD58747	10	17	16				597		104		
20576		BD58748	< 5	< 15	< 10				2179		93		
20577	Check	BD58748	< 5	< 15	< 10				2229		85		
20578		BD58654	< 5	< 15	< 10				118		29		
20579		BD58655	14	< 15	13				< 1		64		
20580		BD58656	< 5	< 15	< 10				72		30		
20581		BD58657	< 5	< 15	< 10				16		19		
20582		BD58658	< 5	< 15	< 10				48		17		
20583		BD58659	< 5	< 15	< 10				189		43		
20584		BD58660	< 5	< 15	< 10				61		55		
20585		BD58661	< 5	< 15	11				79		19		
20586		BD58662	9	< 15	< 10				2077		191		
20587	Check	BD58662	8	< 15	< 10				1993		175		
20588		BD58663	< 5	20	31				591		72		
20589		BD58664	< 5	< 15	< 10				46		46		
20590		BD58665	< 5	< 15	< 10				53		18		
20591		BD58666	< 5	< 15	< 10				53		57		
20592		BD58667	15	17	39				1689		144		
20593		BD58668	< 5	< 15	14				204		397		
20594		BD58669	12	< 15	< 10				358		51		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By: Greg Kaymowicz

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
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Certificate of Analysis

Friday, July 14, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 11-Jul-00
Date Completed : 14-Jul-00
Job # 200040546
Reference : Bulldozer
Sample #: 61 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
20595		BD58670	5	< 15	< 10				2305		99		
20596		BD58671	< 5	< 15	< 10				89		22		
20597	Check	BD58671	< 5	< 15	< 10				86		19		
20598		BD58672	< 5	< 15	< 10				212		25		
20599		BD58673	< 5	< 15	< 10				144		27		
20600		BD58674	< 5	< 15	< 10				95		11		
20601		BD58675	< 5	< 15	< 10				142		56		
20602		BD58676	< 5	< 15	< 10				65		17		
20603		BD58677	< 5	< 15	< 10				114		47		
20604		BD58678	< 5	< 15	< 10				80		34		
20605		BD58679	12	< 15	10				186		68		
20606		BD58680	< 5	< 15	< 10				118		32		
20607	Check	BD58680	< 5	< 15	< 10				117		28		
20608		BD58681	< 5	< 15	19				200		159		
20609		BD58682	9	< 15	16				836		126		
20610		BD58683	13	< 15	< 10				222		78		
20611		BD58684	28	51	114				832		277		
20612		BD58685	< 5	< 15	< 10				96		18		
20613		BD58686	< 5	< 15	< 10				57		18		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By: Greg Kaymowitz

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

Gum - Prospecting

1070 LITHIUM DRIVE, UNIT 2
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PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Thursday, July 06, 2000

Freewest Resources Canada Ltd
855 Field Street
Thunder Bay, ON, CAN
P7B6B6
Ph#: (807) 346-0777
Fax#: (807) 346-0778

Date Received : 29-Jun-00
Date Completed : 06-Jul-00
Job # 200040490
Reference : 180347-5157
Sample #: 2 Rock

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
17945		G58530	< 5	< 15	< 10				189		63		
17946		G58531	< 5	< 15	< 10				120		30		
17947	Check	G58531	< 5	< 15	< 10				110		28		

PROCEDURE CODES: AL4PP, AL4Cu, AL4Ni

Certified By:

APPENDIX III

Bulldozer Option Geological Legend

Freewest Resources Canada Inc.

2000

FIELD LEGEND 2000 - BULLDOZER PROJECT

PHANEROZOIC

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Sand, silt, clay, varved clay, bog, swamp, lake and stream deposits

---------- ***Great Unconformity*** ----------

PRECAMBRIAN

PROTEROZOIC

Mafic Intrusive Rocks (Dykes)

10	10a.	Quartz diabase
	10b.	Olivine diabase

ARCHAEAN

Late Archaean Felsic to Intermediate Plutonic Rocks

9	9a.	Hornblende tonalite
	9b.	Biotite tonalite
	9c.	Hornblende-biotite tonalite
	9d.	Biotite-hornblende tonalite
	9e.	Leucotonalite (<5% mafic phases)
	9f.	Hornblende granodiorite
	9g.	Biotite granodiorite
	9h.	Biotite-hornblende granodiorite
	9j.	Granite
	9k.	Syenite
	9l.	Gneissic
	9m.	Gneiss
	9n.	Pegmatite (>3cm grain size)
	9p.	Xenoliths [xenolith phase rock-code]
	9r.	Migmatite
	9s.	Hybrid
	9t.	Plagiophyric
	9u.	Contact breccia
8	8a.	Hornblende diorite
	8b.	Hornblende-quartz diorite (<20% quartz)
	8c.	Monzonite (35-65% plag, 35-65% k-spar, <5% quartz)
	8d	Quartz monzonite (5-20% quartz)
	8e.	Monzodiorite (65-90% plag, 10-35% k-spar, <5% quartz)
	8f.	Quartz Monzodiorite (5-20% quartz)
	8g.	Gneissic
	8h.	Gneiss
	8j.	Pegmatite (>3cm grain size)
	8k.	Xenoliths [xenolith phase rock-code]
	8l.	Hybrid
	8m.	Plagiophyric
7	7a.	Felsic dyke (fine-grained to aphanitic; felsite, aplite)
	7b.	Intermediate dyke (fine-grained to aphanitic)
	7c.	Pegmatite
	7d.	Leucotonalite veins
	7e.	Biotite-hornblende tonalite veins (medium- to coarse-grained)
	7f.	Plagiophyric

BULLDOZER COMPLEX

Intermediate to Mafic Dykes and Breccias

6	6a.	Mafic dykes (very fine-grained/aphanitic, narrow, mineral phases indeterminate)
	6b.	Microgabbro dykes (fine-grained, narrow)
	6c.	Intermediate dykes (minor, narrow)
	6d.	Appinite (pods, patches, and veins of plagioclase and skeletal bladed to prismatic amphiboles; evidence of magma mixing)
5	5a.	Breccia dykes
	5b.	Intrusion breccia

Mafic Intrusive Rocks

4	4a.	Gabbro (35-65% cpx, 35-65 % plag)
	4b.	Melagabbro (10-35% plag, 65-90% cpx)
	4c.	Leucogabbro (10-35% plag, 65-90% cpx)
	4d.	Gabbronorite (35-65% cpx and opx, 35-65 % plag)
	4e.	Melagabbronorite (10-35% plag, 65-90% cpx and opx)
	4f.	Leucogabbronorite (10-35% cpx and opx, 65-90% plag)
	4g.	Norite (35-65% opx, 35-65 % plag)
	4h.	Melanorite (10-35% plag, 65-90% opx)
	4j.	Leuconorite (10-35% opx, 65-90% plag)
	4k.	Anorthosite (>90% plag, <10% mafic phases)
	4l.	Magnetite- (igneous phase; rock name prefix)
	4m.	Hornblende- (igneous phase; rock name prefix)
	4n.	Olivine- (igneous phase; rock name prefix)
	4p.	Quartz- (igneous phase; rock name prefix)
	4r.	Breccia (gabbro > hornblendite)
	4s.	Metasomatized (granitized)
	4t.	Hornblende-phyric
	4u.	Metasomatic quartz monzogabbro

Ultramafic to Mafic Intrusive Rocks

3	3a.	Hornblendite
	3b.	Clinopyroxene hornblendite
	3c.	Olivine hornblendite
	3d.	Feldspathic (1-10% plag, rock-code modifier)
	3e.	Magnetite- (igneous phase; rock name prefix)
	3f.	Biotitic to biotite-bearing
	3g.	Breccia (hornblendite > gabbro)
	3h.	Contact breccia
	3j.	Metasomatized (granitized)
	3k.	Hornblende-phyric
2	2a.	Orthopyroxenite (>90% opx, <10% combined plag, cpx, or olivine)
	2b.	Clinopyroxenite (>90% cpx, <10% combined plag, opx, or olivine)
	2c.	Websterite (10-90% cpx, 10-90% opx, <10% plag and/or olivine)
	2d.	Olivine orthopyroxenite (10-40% olivine, 60-90% orthopyroxene)
	2e.	Olivine clinopyroxenite (10-40% olivine, 60-90% cpx)
	2f.	Olivine websterite (5-40% olivine, 60-95% cpx and opx)
	2g.	Olivine pyroxenite (pyroxene phases indeterminate)
	2h.	Altered pyroxenite (pyroxene phases indeterminate due to alteration)
	2j.	Feldspathic (1-10% plag, rock-code modifier)
	2k.	Magnetite- (igneous phase; rock name prefix)
	2l.	Hornblende- (igneous phase; rock name prefix)

1	1a.	Wehrlite (>40% olivine, 10-60% cpx)
	1b.	Lherzolite (>40% olivine, 10-50% cpx, 10-50% opx)
	1c.	Peridotite (>40% olivine, 10-60% indeterminate pyroxene due to alteration)
	1d.	Altered peridotite
	1e.	Serpentinite (>90% serpentine after olivine)
	1f.	Dunite (>90% olivine)
	1g.	Feldspathic (1-10% plag, rock-code modifier)
	1h.	Hornblende- (igneous phase; rock name prefix)

Note: Numerical succession does not necessarily imply order of deposition.

Textural Modifiers

aph	aphanitic	ht	heterolithic	IF	igneous foliation
vfg	very fine-grained	ml	monolithic	IL	igneous layering
fg	fine-grained	pr	porphyritic	CS	clast supported
mg	medium-grained	oc	ocellar	MS	groundmass supported
cg	coarse-grained	v	varitextured	gl	glomeroporphyritic
pg	pegmatitic	bx	breccia	oik	oikocrystic

Metamorphic Modifiers

AM	amphibolite	MG	migmatite
GN	gneissic	PB	porphyroblastic
H	hornfels	SS	schist/schistose
LP	lit-par-lit migmatite		

Alteration Modifiers

Abz	albitized	Fp	feldspathized	Tc	talcose
Ax	unspecified alteration	Hm	hematized	Ur	uralitized
Bi	Biotite	Id	Iddingsite alteration		
Bl	bleached	K	potassic alteration		
Cb	carbonitized	Sz	saussuritized		
Ch	chloritized	Ser	sericitized		
Epz	epidotized	Sil	silicified		
Fec	iron-carbonitized	Sr	serpentinized		

Characterization of Alteration

	Form		Strength
S	Spots/Patches	W	weak
F	Fracture/Vein-controlled	M	moderate
FC	Foliation controlled	S	strong
P	Pervasive	I	intense
W	Wispy		

Example: SilPM-S = silicification, pervasive, moderate to strong

Structural Modifiers

BD	banded	LN	lineated
CN	contact	MV	massive
FL	foliated	MY	mylonite
FR	fractured	SH	sheared
FZ	fault zone/gouge	SL	slickenside
JT	jointed	SX	breccia (structural)

Mineralization Codes

Form		Percentage
T	Trace	Numeric percentage or range (i.e. 1-3%), is always specified.
D	Disseminated/Blebs	Example: PyD2-3% = Pyrite, disseminated, 2-3%.
W	Wisps	
F	Fracture/Stringer/Vein Controlled	
M	Massive	

Mineral Abbreviations

Ac	actinolite	Dp	diopside	Pl	phlogopite
Ab	albite	DS	disseminated sulphides	Plag	plagioclase
Ak	ankerite	Ep	epidote	Pn	pentlandite
Am	amphibole	Fel	feldspar	Po	pyrrhotite
Ap	apatite	Hem	hematite	Px	pyroxene
Asb	asbestos	Hb	hornblende	Py	pyrite
Aug	augite	Hy	hypersthene	Qtz	quartz
Bt	biotite	Kf	k-feldspar	QV	quartz vein
Bo	bornite	Lm	limonite	S	sulphides
Cc	calcite	Mag	magnetite	Serp	serpentine
Car	carbonates	Mal	malachite	Sp	Spinel
Chl	chlorite	Mu	muscovite	Sts	stringer sulphides
Chr	chromite	Ni	nickel	Tlc	talc
Cpx	clinopyroxene	Ol	olivine	Trl	tremolite
Cu	copper	Opx	orthopyroxene		

Other Abbreviations

D	diamond drill data	C	compilation data	no o/c	area of no outcrop

Recommended Coding Procedures when Using Above Lithological Codes in Combination with Various Modifiers/Abbreviations (eg. structural, textural, alteration etc.):

Examples:

2e,f-mg	Websterite, fine- to medium-grained.
2e,1b	Websterite (2e) with lesser amount of serpentinite (1b) occurring within a single outcrop.
2e-b,1b,8b	Websterite (2e) to clinopyroxenite (2b), serpentinite (1b), and biotite tonalite (13a); occurs in decreasing order of abundance within a single outcrop.
2e,UrPM-S	Websterite; moderate, pervasive uralitization.
4a,ml,MS,PyD2%	Indicates that the heterolithic gabbro breccia (4a), consists of monolithic (ml) clasts; clasts are groundmass supported (MS); contains 2% disseminated pyrite.
C2	The letter "C" preceding the rock code 2 denotes that outcrop position and identification are compiled from published and unpublished data or assessment files; the outcrops/drill core were not examined.
G2	The letter "G" preceding the rock code 2 denotes interpretation based on geophysical data only.
( )	Rock codes within round brackets denote minor amounts only.
[ ]	Rock codes within square brackets denote xenolith and autolith lithology.

ONTARIO

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

Work Report Summary

Transaction No: W0140.00113 **Status:** APPROVED

Recording Date: 2001-APR-05 **Work Done from:** 2000-MAY-18

Approval Date: 2001-JUN-21 **to:** 2000-JUL-08

Client(s):

121969	COX, WILLIAM LAWRENCE
140913	HALVERSON, LLOYD JOSEPH
200691	TERNOWESKY, JOHN EDWARD
304308	GRYPHON METALS CORPORATION
392603	CASSIDY GOLD CORP.

42C14NW2005 2.21081 SHABOTIK RIVER 900

Survey Type(s):

ASSAY GEOL LC

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
TB 1153965	$1,100	$1,100	$350	$350	$750	750	$0	$0	2001-DEC-16
TB 1153966	$800	$200	$275	$275	$525	0	$0	$0	2001-DEC-16
TB 1164177	$5,050	$5,050	$3,600	$3,600	$1,450	1,450	$0	$0	2002-APR-14
TB 1164178	$8,870	$10,870	$4,800	$4,800	$4,070	6,070	$0	$0	2002-APR-14
TB 1216323	$6,540	$6,540	$3,600	$3,600	$2,940	2,940	$0	$0	2002-MAY-15
TB 1216324	$4,300	$4,300	$3,600	$3,600	$700	700	$0	$0	2002-MAY-15
TB 1216325	$6,500	$9,075	$3,600	$3,600	$2,900	5,475	$0	$0	2002-MAY-15
TB 1216329	$8,870	$8,870	$4,800	$4,800	$4,070	4,070	$0	$0	2002-APR-14
TB 1231857	$4,190	$4,190	$2,400	$2,400	$1,790	1,790	$0	$0	2002-JUL-13
TB 1237669	$4,190	$4,190	$2,400	$2,400	$1,790	1,790	$0	$0	2002-MAY-07
TB 1237670	$4,390	$4,390	$4,800	$4,800	$0	0	$0	$0	2002-MAY-07
TB 1237671	$3,900	$3,900	$6,400	$6,400	$0	0	$0	$0	2002-MAY-07
TB 1237672	$3,900	$3,900	$6,400	$6,400	$0	0	$0	$0	2002-MAY-07
TB 1237673	$200	$200	$6,400	$6,400	$0	0	$0	$0	2002-MAY-07
TB 1237674	$200	$200	$6,400	$6,400	$0	0	$0	$0	2002-MAY-07
TB 1237675	$3,900	$3,900	$6,400	$6,400	$0	0	$0	$0	2002-MAY-07
TB 1237676	$2,400	$2,400	$4,800	$4,800	$0	0	$0	$0	2002-MAY-07
TB 1237677	$0	$0	$1,065	$1,065	$0	0	$0	$0	2001-MAY-07
TB 1237678	$0	$0	$1,000	$1,000	$0	0	$0	$0	2001-MAY-07
TB 1237679	$7,890	$7,890	$6,400	$6,400	$1,490	1,490	$0	$0	2002-MAY-07
TB 1237680	$1,000	$1,000	$1,600	$1,600	$0	0	$0	$0	2002-MAY-07
TB 1239410	$550	$200	$75	$75	$475	125	$0	$0	2001-DEC-16
TB 1239411	$800	$0	$275	$275	$525	0	$0	$0	2001-DEC-16
TB 1239412	$225	$0	$0	$0	$225	0	$0	$0	2001-DEC-16
TB 1239413	$800	$0	$300	$300	$500	0	$0	$0	2001-DEC-16
TB 1239415	$1,000	$0	$350	$350	$650	0	$0	$0	2001-DEC-16
TB 1239416	$800	$0	$275	$275	$525	0	$0	$0	2001-DEC-16
	$82,365	$82,365	$82,365	$82,365	$25,375	$26,650	$0	$0	

Work Report Summary

Transaction No:	W0140.00113	**Status:**	APPROVED
Recording Date:	2001-APR-05	**Work Done from:**	2000-MAY-18
Approval Date:	2001-JUN-21	**to:**	2000-JUL-08

External Credits: $0

Reserve:

$0 Reserve of Work Report#: W0140.00113

$0 Total Remaining

Status of claim is based on information currently on record.

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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Date: 2001-JUN-22

WILLIAM LAWRENCE COX
13 QUEEN ST., APT. 3
CHAPLEAU, ONTARIO
P0M 1K0 CANADA

Submission Number: 2.21081
Transaction Number(s): W0140.00113

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

Assessment work credit has been redistributed, as outlined on the attached Work Report Summary to better reflect the location of work. Note that the work types approved are Geology and Assays (sampling).

If you have any question regarding this correspondence, please contact LUCILLE JEROME by email at lucille.jerome@ndm.gov.on.ca or by phone at (705) 670-5858.

Yours Sincerely,

Ron Gashinski
Supervisor, Geoscience Assessment Office

Cc: Resident Geologist

William Lawrence Cox
(Claim Holder)

Lloyd Joseph Halverson
(Claim Holder)

John Edward Ternowesky
(Claim Holder)

Cassidy Gold Corp.
(Claim Holder)

Assessment File Library

William Lawrence Cox
(Assessment Office)

Allan Douglas Mactavish
(Agent)

Gryphon Metals Corporation
(Claim Holder)

MINISTRY OF NORTHERN DEVELOPMENT AND MINES
PROVINCIAL MINING RECORDER'S OFFICE

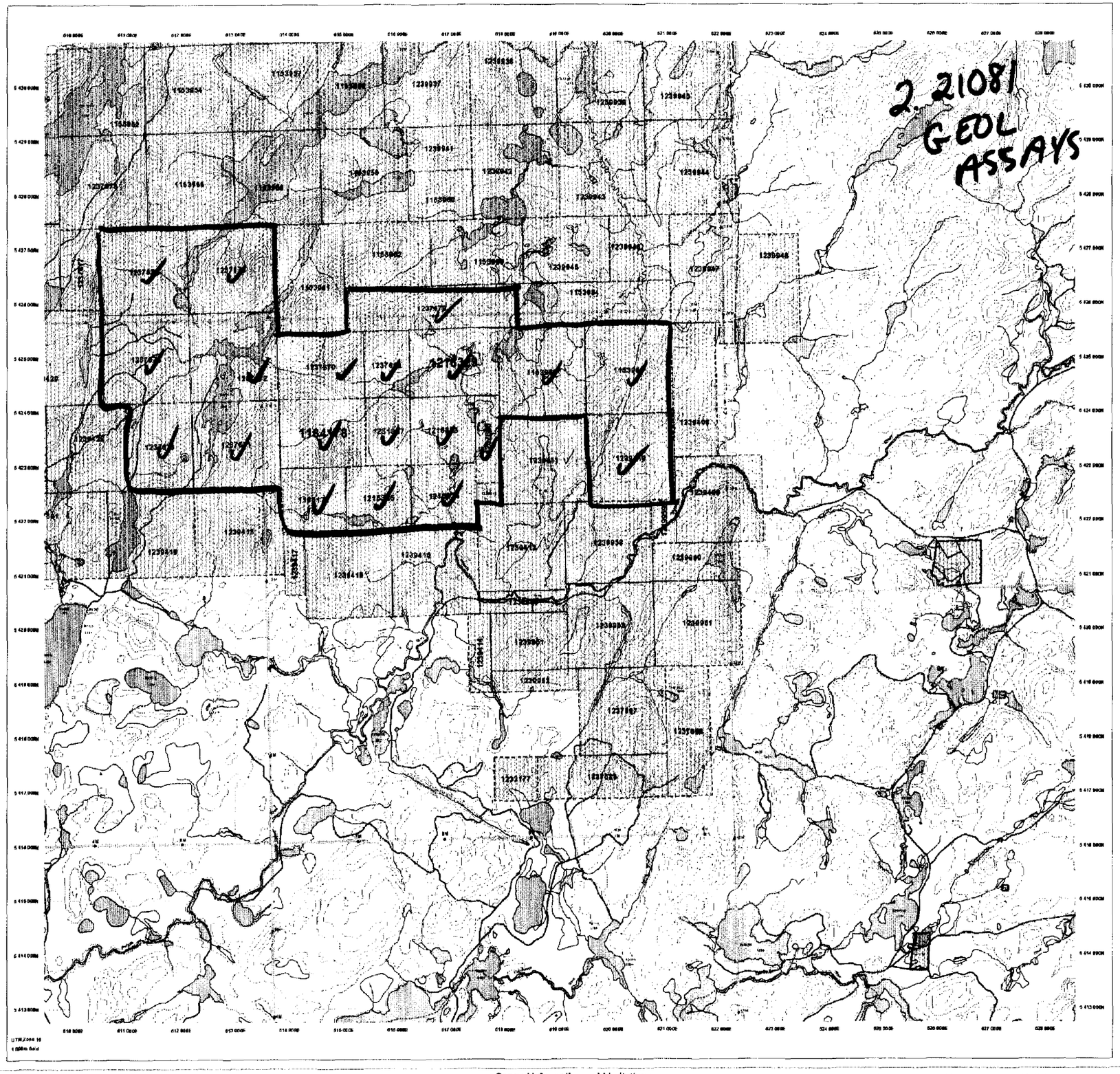
MINING LAND TENURE MAP

Date / Time of Issue Jun 21 2001 13:31h Eastern

TOWNSHIP / AREA	PLAN
SHABOTIK	Unavailable

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Thunder Bay
Land Titles/Registry Division	Unavailable
Ministry of Natural Resources District	Unavailable



TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- City, Place and Pile
- Contour
- Contour - Depth Auxiliary Depression
- Spot
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Hydro Line
- Communication Line
- Wooded Area
- Monument - Cadastral Reference Point Control

LAND TENURE

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Use For Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

- Land Use Permit
- Order In Council
- Water Power Lease Agreement
- 123607 Mining Claim

LAND TENURE WITHDRAWALS

- 1234 Areas Withdrawn from Disposition
  - Mining Act Withdrawal Types
    - Wsm Surface and Mining Rights Withdrawn
    - Ws Surface Rights Only Withdrawn
    - Wm Mining Rights Only Withdrawn
  - Order In Council Withdrawal Types
    - Wsm Surface and Mining Rights Withdrawn
    - Ws Surface Rights Only Withdrawn
    - Wm Mining Rights Only Withdrawn
- Ne IMPORTANT NOTICES

0 Km 10 Km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
2630	Wsm	Jun 1 2001	40 BLKS SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS
2704	Wsm	Jun 1 2001	40 BLKS SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
W-3587	Wsm	Apr 8 1987	SEC 36 W 15407 S/M/87 M&S 188664
W-3587	Wsm	Apr 8 1987	SEC 36 W 15407 S/M/87 S&M 188664
W-3781	Wsm	Nov 18 1981	SEC 36 W 17401 W/1/81 S.R.

IMPORTANT NOTICES

Areas under which special regulations, limitations or conditions exist that affect normal prospecting, staking and mineral development activities.

UTM Zone 16
1:50000 Grid

There nothing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown thereon. This map is not intended for navigational, survey, or land title representation purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Mining Claims or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at a date of downloading from the Ministry of Northern Development and Mines web site.

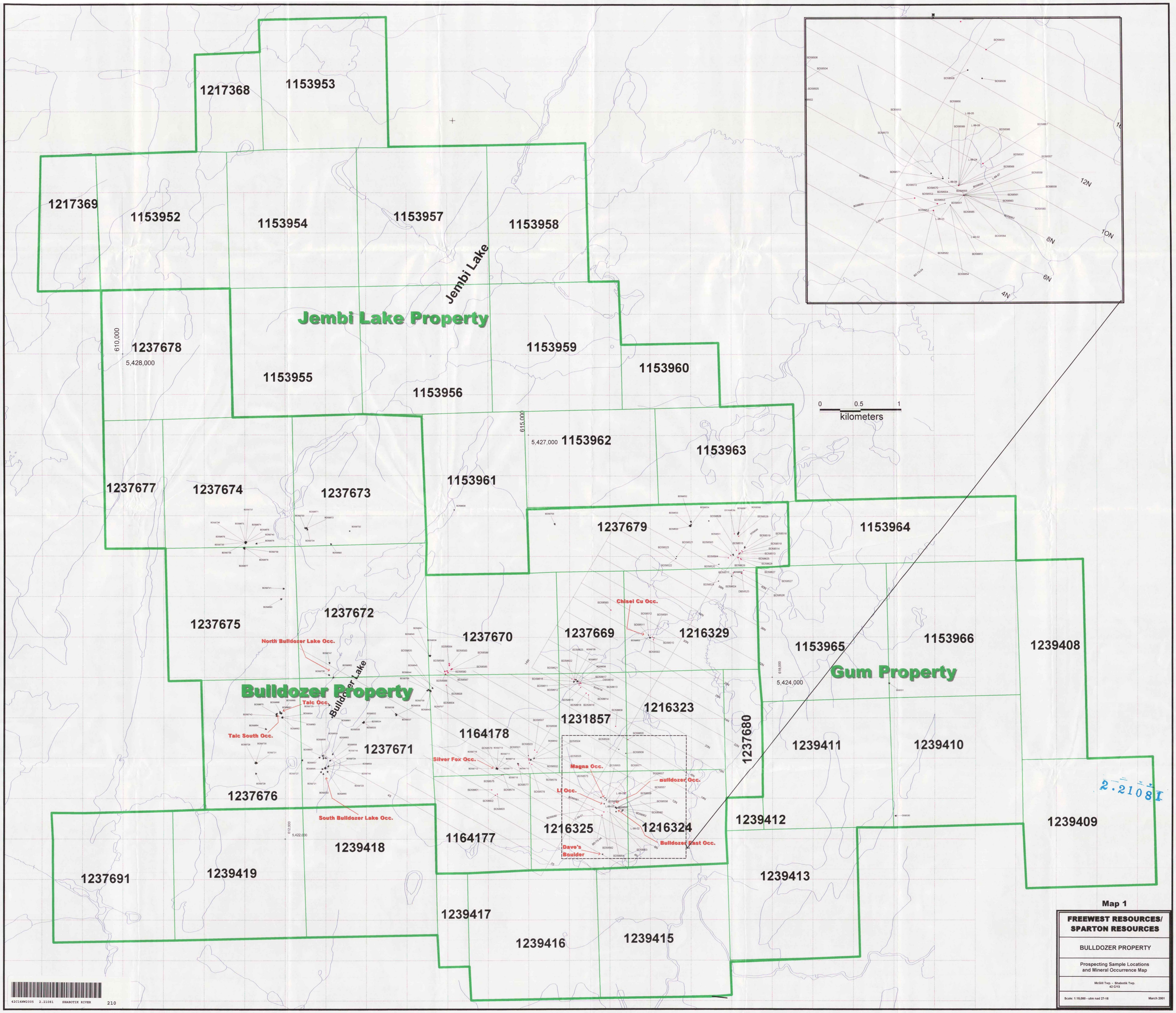
General Information and Limitations

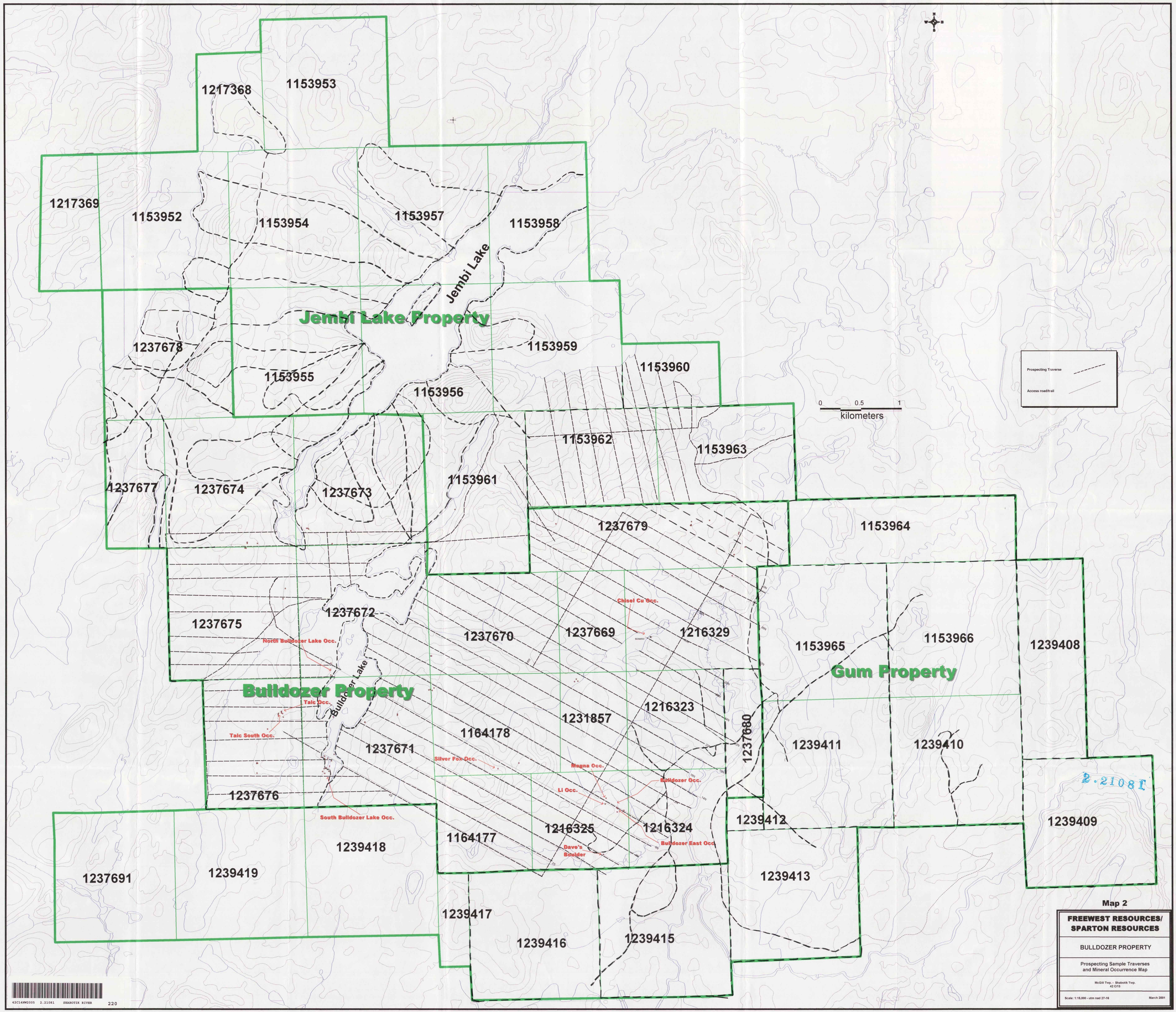
Contact Information:
Provincial Mining Recorders' Office Toll Free:
Willet Green Miller Centre Tel: 1 (888) 415 8845
933 Ramsey Lake Road Fax: 1 (877) 670 1444
Sudbury, ON P3E 6B5
Home Page: www.gov.on.ca/MNDM/MINES/MRO/mroindex.htm

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show all registered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, Reserves, or other forms of dispositions of rights and interest over the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

200
SHABOTIK RIVER
2.21081
42C14NW2005


1217368
1153953
1217369
1153952
1153954
1153957
1153958
Jembi Lake
Jembi Lake Property
610,000
1237678
5,428,000
1153955
1153956
1153959
1153960
615,000
5,427,000
1153962
1153963
1237677
1237674
1237673
1153961
1237679
1153964
1237675
1237672
Chisel Cu Occ.
1237670
1237669
1216329
1153965
1153966
1239408
North Bulldozer Lake Occ.
Bulldozer Lake
Bulldozer Property
Talc Occ.
Talc South Occ.
618,000
5,424,000
Gum Property
1216323
1231857
1237680
1164178
1237671
1239411
1239410
Silver Fox Occ.
Magna Occ.
Bulldozer Occ.
Lt Occ.
1237676
South Bulldozer Lake Occ.
612,000
5,422,000
1239412
1239409
1216325
1216324
Bulldozer East Occ.
Dave's Boulder
1164177
1239418
1237691
1239419
1239413
1239417
1239416
1239415
0 0.5 1
kilometers
2.21081
Map 1
FREEWEST RESOURCES/
SPARTON RESOURCES
BULLDOZER PROPERTY
Prospecting Sample Locations
and Mineral Occurrence Map
McGill Twp. - Shabotik Twp.
42 C/13
Scale: 1:15,000 - utm nad 27-18
March 2001
42C14NW2005 2.21081 SHABOTIK RIVER 210



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FIELD LEGEND 2000 - BULLDOZER PROJECT

PHANEROZOIC
CENOZOIC
QUATERNARY
PLEISTOCENE AND RECENT
Sand, silt, clay, varved clay, bog, swamp, lake and stream deposits

Great Unconformity

PRECAMBRIAN
PROTEROZOIC
Mafic Intrusive Rocks (Dykes)

10 — 10a Quartz diabase; 10b. Olivine diabase

ARCHAEAN
Late Archaean Felsic to Intermediate Plutonic Rocks

9 — 9a. Hornblende tonalite; 9b. Biotite tonalite; 9c. Hornblende-biotite tonalite; 9d. Biotite-hornblende tonalite; 9e. Leucotonalite (<5% mafic phases); 9f. Hornblende granodiorite; 9g. Biotite granodiorite; 9h. Biotite-hornblende granodiorite; 9j. Granite; 9k. Syenite; 9l. Gneissic; 9m. Gneiss; 9n. Pegmatite (>3cm grain size); 9p. Xenolith [xenolith phase rock-code]; 9r. Migmatite; 9s. Hybrid; 9t. Plagiophyric; 9u. Contact breccia

8 — 8a. Hornblende diorite; 8b. Hornblende-quartz diorite (<20% quartz); 8c. Monzonite (35-65% plag, 35-65% k-spar, <5% quartz); 8d. Quartz monzonite (5-20% quartz); 8e. Monzodiorite (65-90% plag, 10-35% k-spar, <5% quartz); 8f. Quartz Monzodiorite (5-20% quartz); 8g. Gneissic; 8h. Gneiss; 8j. Pegmatite (>3cm grain size); 8k. Xenolith [xenolith phase rock-code]; 8l. Hybrid; 8m. Plagiophyric

7 — 7a. Felsic dyke (fine-grained to aphanitic; felsite, aplite); 7b. Intermediate dyke (fine-grained to aphanitic); 7c. Pegmatite; 7d. Leucotonalite veins; 7e. Biotite-hornblende tonalite veins (medium- to coarse-grained); 7f. Plagiophyric

BULLDOZER COMPLEX

Intermediate to Mafic Dykes and Breccias

6 — 6a. Mafic dykes (very fine-grained/aphanitic, narrow, mineral phases indeterminate); 6b. Microgabbro dykes (fine-grained, narrow); 6c. Intermediate dykes (minor, narrow); 6d. Aplitic (pods, patches, and veins of plagioclase and skeletal bladed to prismatic amphibole; evidence of magma mixing)

5 — 5a. Breccia dykes; 5b. Intrusion breccia

Mafic Intrusive Rocks

4 — 4a. Gabbro (35-65% cpx, 35-65 % plag); 4b. Melagabbro (10-35% plag, 65-90% cpx); 4c. Leucogabbro (10-35% plag, 65-90% cpx); 4d. Gabbronorite (35-65% cpx and opx, 35-65 % plag); 4e. Melagabbronorite (10-35% plag, 65-90% cpx and opx); 4f. Leucogabbronorite (10-35% cpx and opx, 65-90% plag); 4g. Norite (35-65% opx, 35-65 % plag); 4h. Melanorite (10-35% plag, 65-90% opx); 4j. Leuconorite (10-35% cpx, 65-90% plag); 4k. Anorthosite (>90% plag, <10% mafic phases); 4l. Magnetite- (igneous phase; rock name prefix); 4m. Hornblende- (igneous phase; rock name prefix); 4n. Olivine- (igneous phase; rock name prefix); 4p. Quartz- (igneous phase; rock name prefix); 4r. Breccia (gabbro > hornblendite); 4s. Metasomatized (granitized); 4t. Hornblende-phyric; 4u. Metasomatic quartz monzogabbro

Ultramafic to Mafic Intrusive Rocks

3 — 3a. Hornblendite; 3b. Clinopyroxene hornblendite; 3c. Olivine hornblendite; 3d. Feldspathic (1-10% plag, rock-code modifier); 3e. Magnetite- (igneous phase; rock name prefix); 3f. Biotite to biotite-bearing; 3g. Breccia (hornblendite > gabbro); 3h. Contact breccia; 3j. Metasomatized (granitized); 3k. Hornblende-phyric

2 — 2a. Orthopyroxenite (>90% opx, <10% combined plag, cpx, or olivine); 2b. Clinopyroxenite (>90% cpx, <10% combined plag, opx, or olivine); 2c. Websterite (10-90% opx, 10-90% cpx, <10% plag and/or olivine); 2d. Olivine orthopyroxenite (10-40% olivine, 60-90% orthopyroxene); 2e. Olivine clinopyroxenite (10-40% olivine, 60-90% cpx); 2f. Olivine websterite (5-40% olivine, 60-95% opx and cpx); 2g. Olivine pyroxenite (pyroxene phases indeterminate); 2h. Altered pyroxenite (pyroxene phases indeterminate due to alteration); 2j. Feldspathic (1-10% plag, rock-code modifier); 2k. Magnetite- (igneous phase; rock name prefix); 2l. Hornblende- (igneous phase; rock name prefix)

1 — 1a. Wehrlite (>40% olivine, 10-60% cpx); 1b. Lherzolite (>40% olivine, 10-50% cpx, 10-50% opx); 1c. Peridotite (>40% olivine, 10-60% indeterminate pyroxene due to alteration); 1d. Altered peridotite; 1e. Serpentinite (>90% serpentine after olivine); 1f. Dunite (>90% olivine); 1g. Feldspathic (1-10% plag, rock-code modifier); 1h. Hornblende- (igneous phase; rock name prefix)

Note: Numerical succession does not necessarily imply order of deposition.

Textural Modifiers

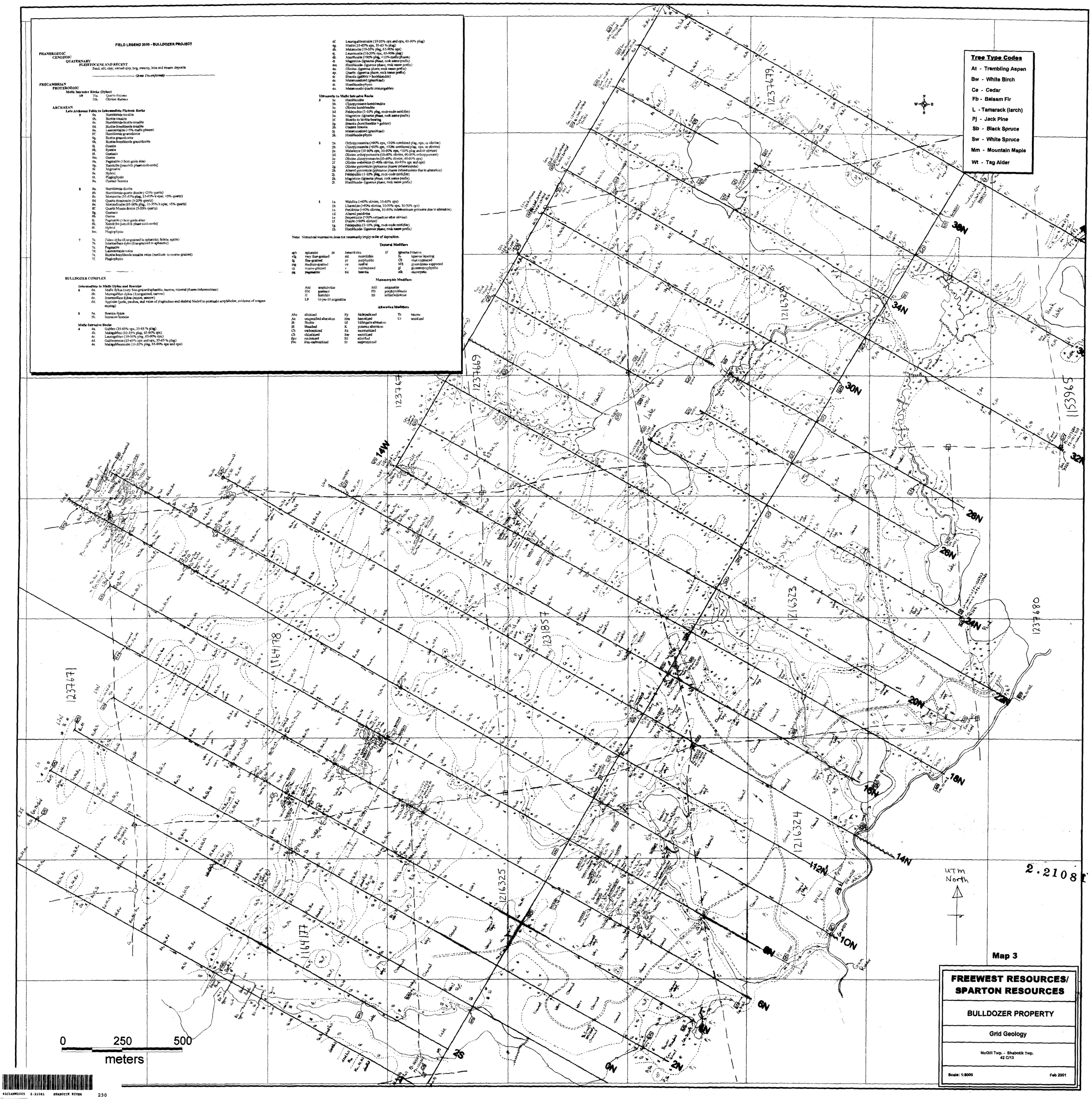
aph	aphanitic	ht	heterolithic	IF	ignacta foliation
vfg	very fine-grained	ml	monolithic	IL	ignacta layering
fg	fine-grained	pr	porphyritic	Cb	clast supported
mg	medium-grained	co	coarse	MS	groundmass supported
cg	coarse-grained	v	vesiculated	gl	glomeroporphyritic
pg	pegmatitic	bx	breccia	ok	oikocrystic

Metamorphic Modifiers

AM	amphibolite	MG	migmatite
GN	gneiss	PO	porphyroblastic
H	hornfels	SS	schist/schistose
LP	lit-par-lit migmatite		

Alteration Modifiers

Abz	albitized	Fp	feldspathized	To	talcose
Ax	unspecified alteration	Hm	hematized	Ur	uralized
Bi	Biotite	Id	Iddingsite alteration		
Bl	bleached	K	potassic alteration		
Cb	carbonatized	Sz	saussuritized		
Ch	chloritized	Ser	sericitized		
Epz	epidotized	Sil	silicified		
Fec	iron-carbonatized	Sr	serpentinized		



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