RECONNAISANCE ROCK SAMPLING AND PRELIMINARY STRATIGRAPHIC-STRUCTURAL EVALUATION OF THE PETE-ME PROPERTY, NORTHWESTERN BRITISH COLUMBIA

Claims involved: 505940, 507649, 538397, 538398 and 543702

ATLIN MINING DIVISION

BCGS 104K.082 and 104K.083

Approximate coordinates of the centre of the property:

Latitude: 58°51'22"N; Longitude:133°34'00"W
UTM (NAD83): 6524900N, 582700E (Zone 8)

Owner: D. Connolly of Atlin, Saturn Minerals Inc., Vancouver

Operator: Saturn Minerals Inc., Vancouver

[SOW 4161669 and 4177808]

By

Krzysztof Mastalerz, Ph.D., P.Geo.

Submitted: December 31st, 2007

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1.0. INTRODUCTION

1.1 Location and Access

The Pete-ME property is located approximately 80 kilometres south of the town of Atlin in northwestern British Columbia (Figs. 1 and 2). The group of eight mineral claims covers the upper, western part of the Shazah Creek drainage. This creek drains southward to Tulsequah River, the latter being the right-bank tributary of the lowermost Taku River. The property is centered approximately at latitude 58° 51'22" North and 133° 34' West, on BCGS map sheets 104K.082 and 104K.083. The property totals almost 2730 hectares in area.

Access to the property is by helicopter from Atlin (80 km in straight line), or from the air strip near Taku-Polaris Camp (approximately 15 km).

1.2 Physiography, Vegetation and Climate

The Pete-ME property is located in the Coast Mountains region of northwestern British Columbia, some 80 km south of the town of Atlin. Topography of the area is rugged with elevations ranging from approximately 800 metres along the southern boundary of the property to slightly over 2000 metres a.s.l., in its NW corner. The slopes are steep to precipitous. Northern and northwestern parts of the property are covered by Alpine-type glaciers, elements of the Juneau Icefield.

The tree line in the vicinity of the property lies at approximately 700-800 metres a.s.l. The property is generally barren, free of vegetation. At the lowest elevations the ground is sparsely vegetated with scrub hemlock and balsam. Higher parts of the slopes are partly covered with moss and lichens.

The snow-free season is extremely short on the property, and lasts from approximately mid-July to mid-September. Daily summer temperatures are highly variable and range from 10 to 25°C. The area is exposed to strong adiabatic winds.

1.3 Property Definition and Claim Information

The Pete-ME property is located in the Atlin Mining Division (Fig. 2) and comprises eight mineral claims totaling 2729.25 hectares. The property is owned by Mr. D. Connolly of Atlin in British Columbia. Claim information is listed in Table 1.

Table 1. Claim status of the Pete-ME property, Atlin Mining Division

Claim Name	Tenure Number	Area	Good To Date
pete3	505940	418.48	2008/oct/31
PETE # 5	507649	418.67	2009/oct/31
PETE # 6	507653	334.866	2008/oct/31
PETE # 7	507657	401.932	2008/oct/31
ME1	538397	385.117	2008/jul/31
ME2	538398	117.206	2008/jul/31
PETE#8	543702	418.685	2008/oct/20
PETE#9	543703	234.279	2008/oct/20

In late 2006 Saturn Minerals Inc. of Vancouver, BC, optioned the property and became the operator. Work done by Saturn in summer 2007 was conducted on the following claims: 505940, 507649, 538397, 538398 and 543702. Expiry dates listed above are contingent upon acceptance of this assessment report, according to events 4161669 filed on July 21st and 4177808 on October 31st, 2007.

1.4 History

Due to difficult access and extreme topography, the area on which the Pete-ME property is located and has received only limited exploration activity. There are two BC MINFILE showings on the property: Stocker and Chef (Icefall). Both showing were discovered in 1993 by B.C. Geological Survey personnel during a regional mapping program in the Tulsequah River area (Mihalynuk et al., 1994). In 1994 Ecstall Mining Corporation staked CST 1, 2 and 3 claims which covered the area of the showings, and conducted a small-scale soil, silt and rock sampling program (Graf, 1995). Despite encouraging results (highly elevated concentrations of silver, copper, lead, zinc, arsenic, antimony and bismuth), the claims were allowed to lapse because of the small-size of the Stocker showing and inaccessibility of the Icefall showing.

Some time earlier (summer 1990), the same company (Ecstall), conducted a more aggressive exploration program on the Nick 1 through Nick 9 claims located between the Tulsequah River valley and the present-day Pete-ME property (Church, 1990). The volcanic-sedimentary complex of the central part of the Nick property was considered a potential host for a massive sulphide and/or mesothermal vein systems, similar to those encountered immediately south, in the Tulsequah River valley. A two-week program conducted from a fly camp resulted in a number of rock, soil and silt samples collected predominantly from gossanous areas located along Shazah Creek. The laboratory results indicated several significant base and precious metals, arsenic and antimony anomalies, and a continuation of exploration work was recommended.

A few kilometers further southward, in the valley of the lower Tulsequah River, are several mineral occurrences, some of them of economic significance. In 1923 mineralization on the Tulsequah Chief property was discovered (Sherlock et al., 1994). Further exploration in the vicinity located additional discoveries, including the Polaris-Taku and Big Bull, in 1929. The Polaris-Taku was the first property to be developed. It produced over 231 thousand ounces of gold and some silver between 1938 and 1951 (Beacon Hill Consultants, 1988; fide Church 1990). In 1951 Cominco Ltd. brought into production the nearby Tulsequah Chief and Big Bull mines. Both mines were shut down in 1957 due to low metal prices but produced significant amounts of gold, base metals, and silver.

In 1981 Anglo Canadian Mining Corporation held properties covering the ONO and OYA showings, located on the southern part of the future Nick property, held by Ecstall, and reported gold and silver bearing massive sulphide mineralization hosted by felsic volcanics and associated chert (Nelson, 1981). Renewed interest in this area resulted in aggressive drilling programs on Tulsequah Chief and Polaris-Taku properties, mounted by Cominco/Redfern and Suntac, respectively (see also: McGuigan et al., 1993). A massive sulphide lens, with high-grade Cu-Pb-Zn-Ag mineralization, of considerable thickness was intersected in 1990 by underground drilling at Tulsequah Chief. The Tulsequah Chief and Big Bull deposits, held by Redcorp Resources, have received all necessary permits for production, and the mine is now being constructed.

Drilling by Suntac at the Polaris-Taku resulted in considerable extension of some component veins of the mesothermal gold-bearing vein system. Recently, further exploration in the Tulsequah Chief valley is very active. In 2006, Canarc Resource Corporation completed 65 infill holes on this property (P. Wojdak, 2007).

1.5 Summary of Work Done in 2007

During the 2007 summer season, Saturn Mineral's personnel conducted reconnaissance prospecting and rock sampling programs accompanied by lithological and structural observations, and limited collection of structural measurements, on the Pete-ME property. Weather permitted two helicopter trips to the property on Jyly 26th and August 31st, respectively. Saturn's program resulted in 86 samples which have been ICP assayed for 30 elements at Pioneer Laboratory (Richmond, B.C). A sample of silicified breccia of felsic volcanic material containing abundant sphalerite-pyrite cement samples was fire assayed for base metals. The program was designed to test for mineralization in two deep valleys located in the central portion of the property and to collect general information on stratigraphy and structural geology of the area. Sample locations were fixed by hand-held Garmin GPS receivers.

Lithological, stratigraphic and structural observations were conducted to establish the stratigraphic and structural position of the property in relation to the main structural belts of northwestern British Columbia, and eventually, to discover its possible relationships to known mineral occurrences nearby and establish affinities to the known metallogenic provinces nearby. One polished thin section was made from the strongly silicified breccia of felsic-to intermediate volcanic rock with semimassive pyrite-sphalerite mineralization occurring as cement, for further mineralogical study.

2.0. TECHNICAL DATA AND INTERPRETATION

2.1 Regional Geology

The Pete-ME property is situated in the northwestern part of British Columbia, close to the Alaska border. This area is part of the Coastal Mountain region and includes a few distinctive structural belts striking NW-SE. Early mapping work was completed by Kerr (1948) and Souther (1971) in this area. Stratigraphic and lithological compositions of these belts vary since they represent distinct terrenes accreted to the western margin of the North American continent in the course of the ocean crust subduction during Mesozoic times (cf. Monger et al., 1982, Nelson and Payne, 1983). Some structural-stratigraphic elements (e.g. volcaniclastics of the Stuhini Group) are postulated to correlate further down southeast, where their stratotype sections were defined in the classic area for the Stewart Complex.

The Pete-Me property is located within the northwestern portion of the NW-SE elongated Stikine Terrane which includes rocks of Mississippian to Triassic stratigraphy (see alsoMihalynuk et al, 1994, Sherlock et al., 1994). This terrane consists of numerous structural and stratigraphic units. The Stikine Assemblage encompasses two large-scale end-members. The Deformed Stikine Complex (Fig. 3) consists of strongly tectonically deformed sedimentary (predominantly fine grained) and volcanogenic rocks which occupy the southwestern margin of this structural belt. It is bounded to the west by the Whitewater Metamorphic Complex of the Nisling Terrane along the NNW-SSE striking, prominent tectonic suture – Llewellyn Fault (Mihalynuk et al., 1994). This metamorphic complex consists predominantly of greenstones, and minor amphibolites and paragneisses of Devonian to Mississippian age.

The main elements of the "Undeformed" Stikine Assemblage include thick sequences of volcanic and volcaniclastic rocks, predominantly coarse-clastic sedimentary rocks, and minor Permian limestone, marble and calcareous rocks. The Upper Triassic Stuhini Group forms the third, most important element of the Stikine Terrane. The rocks of this group represent an island arc assemblage accreted to the continent during the subduction of the ocean crust. The Stuhini Group includes three distinct lithostratigraphic-lithotectonic complexes: 1) a mixed sedimentary-volcanogenic complex with common marine sedimentary rocks, 2) an undivided volcanic-volcaniclastic complex and 3) a complex of calcareous rocks, with especially characteristic limestones (some of them biohermal and reef structures) and marls. The Lower Jurassic Laberge Group includes thick sequences of siliciclastic rocks, commonly of turbidite character, and andesitic volcanic and volcaniclastic rocks. These rocks correspond to the Hazelton Group defined further southwest as an important component of the Stewart Structural Complex.

Paleozoic and Mesozoic elements of the Stikine Terrane are overlain uncoformably by the Eocene-Late Cretaceous (?) coarse-grained volcaniclastic and pyroclastic rocks of the

Sloko Group. There are numerous occurrences of the Cretaceous-Eocene intrusive rocks, mainly of a granite composition, being elements of the Coast Plutonic Complex in the area.

Rocks of the Stikine Terrane display strong NNW-SSE tectonic fabric. Some major faults showing similar orientations separate massifs of crystalline, intrusive rocks from their Paleozoic-Mesozoic roof pendant elements. NW-SE striking, moderately dipping faults most probably resulted from the accretion-thrusting processes. Mineralization of the Tulsequah Chief, Big Bull and Polaris-Taku properties seems to show complex, lithological-stratigraphic and structural control.

2.2 Property Geology

Since the reconnaissance fieldwork in 2007 was focused predominantly on a geochemical rock sampling program, the property geology is largely derived from a BCGS Geological Map available on the Internet web posted "MapPlace". Information on geology of the property is also based on the other referred sources (see References), as well as limited observations collected in 2007 by the author of this report on two widely spaced traverses.

The southwestern and extreme southern parts of the Pete-ME property are postulated to be underlain by a strongly deformed package of diversified lithology (B.C. Geological Survey, MapPlace Geological Map). It includes volcanogenic rocks of basaltic-to-andesitic composition of the Deformed Stikine Assemblage and, minor, coarse grained sedimentary rocks of the Stikine Assemblage (Fig. 3). The predominant part of the property, including its central area, is underlain by a complex of rocks of the Late Triassic Stuhini Group and probably Laberge Group. It includes predominantly fine-grained to sandy turbidites and hemipelagites, subordinate argillites, frequently tuffaceous, and rarely conglomerates and some lenses of limestone and marly limestone. Some volcaniclastic rocks of intermediate composition also belong to this package. These Upper Triassic and Jurassic strata also show a considerable degree of tectonic deformation in the form of steeply inclined and commonly folded bedding, and steeply dipping faults. Contacts between rocks of the Stikine Assemblage and the Stuhini Group are of fault/thrust character.

Extremely western and eastern parts of the property are interpreted to be underlain by the Early Jurassic sedimentary rocks of the Laberge Group (Fig 3). They include thick sequences of argillites and sandy-silty turbidites, and coarse grained siliciclastics. Contacts of this group are also of tectonic character. The youngest stratigraphic unit encountered on the property belongs to the Early Eocene Sloko Group. This unit includes relatively thin package of rhyolites and felsic volcaniclastics at the base and diversified andesitic volcanic and volcaniclastic rocks. The Sloko Group overlaps the older stratigraphic units and frequently forms angular unconformity at its base (Fig 4c). Geology of the northern and northwestern parts of the property is almost completely concealed under ice fields.

2.3 Mineralization

Two mineral showings, namely Stoker and Chef (Icefall) have been recognized on the property in1993 by BC Geological Survey geologists (Mihalynuk et al. 1994). The Stoker showing is located west of the head of an unnamed, south-flowing creek (right bank tributary to Shazah Creek). The showing comprises two types of mineralization. Massive chalcopyrite with minor sphalerite and galena was described as bands up to 40 cm thick along the edge of a deformed limestone. A several metres thick zone situated topographically below the first showing was reported to host disseminated sphalerite, galena and pyrite (Mihalynuk et al., 1994).

The Chef (Icefall) showing consists of two mineralized zones situated on both sides of a precipitous cliff topped by an icefall. There are several zones of quartz veining with associated pyrite hosted by argillites and tuffaceous siltstones on the west site of the icefall. On the east side, disseminated (locally abundant) pyrite + pyrrhotite + sphalerite, with trace of chalcopyrite and galena mineralization is hosted by predominantly volcaniclastic rocks. Float found down the Icefall valley floor includes some semimassive pyrite-sphalerite mineralization hosted by silicified felsic breccia and pyrrhotite-rich fragmental volcanics. A float of flow banded rhyolite has been found locally in this valley. Inaccessible icefall is believed to form the connection between both mineralized areas of this showing.

A regional stream sediment sampling program resulted in the discovery of anomalous lead and zinc values from the creeks draining both Stoker and Icefall valleys (cf. Matysek et al., 1988). M. Myhalynuk postulated that "the lithologies and styles of mineralization in the area are suggestive of a high-level porphyry system involving rocks of Sloko age, or possible remobilization of a deeper volcanogenic massive sulphide accumulation" (Mihalynuk et al., 1994)

2.4 Results of Saturn's 2007 Rock Sampling Program

During the summer season in 2007 Saturn personnel collected 86 rock samples from the Pete-ME property. Several grab samples represent a wide range of lithologies, alteration products, and/or tectonic deformation styles present on the property. Special attention was paid to the rocks showing advanced alteration, development of quartz veins and visible mineralization. A complementary set of float samples represents specific lithologies that were not encountered in outcrops or they have displayed unique, usually strongly advanced development of alteration, silicification and/or mineralization.

The complete set of sample descriptions and corresponding analytical geochemical results from the sampling program are presented in Appendices 1 and 2, respectively. Appendix 1 provides UTM coordinates of the sample locations. Sample locations are also plotted on maps (Figs. 4a through 4c).

Analytical results of the sampling program (Appendix 2) display a wide variety of geochemical features. Concentrations of gold vary considerably ranging from negligible values to maximum of 3.23 gpt (3230 ppb). Similarly, silver contents vary from below ICP detection limit to maximum of 73.9 gpt. Zinc is the most common element showing frequently high concentrations, including several samples which returned more than 10000 ppm Zn (> 1% Zn). Lead and copper are less frequently elevated to comparable range. Cadmium, antimony, bismuth and arsenic show quite wide dispersal in the sample population (see Appendix 2).

Two distinct clusters of samples, which show distinct geochemical characteristics, were recognized on the surveyed part of the property. The first cluster is formed by several float samples (sample series ME07-DC) collected along the eastern slope of the Icefall valley. These samples are characterized by high pyrrhotite, and minor pyrite and sphalerite hosted by strongly deformed, fractured and moderately silicified fine-grained volcaniclastics and volcanic rocks (most probably of intermediate (?) composition). Several samples from that area show very high zinc values, which is usually accompanied by moderately elevated copper (887-3585 ppm Cu). Several samples also returned anomalous silver values, up to a maximum of 20.8 ppm. There frequently occur strongly abnormal concentrations of cadmium (up to 1781 ppm Cd) and bismuth (maximum of 270 ppm Bi) in this group. On the contrary, arsenic and antimony are always low in this group. The samples in this cluster apparently come from the eastern side of the Chef (Icefall showing).

The second consistent group of anomalous samples (series PR07; Appendix 2) comes from the very poorly sorted volcaniclastic breccias and lapilli tuffs in the hangingwall of the Stoker showing. Relatively coarse-crystalline galena disseminated in the rock matrix is frequently seen in this group. Galena is accompanied by less abundant sphalerite and pyrite. Numerous samples from this group returned highly elevated values of lead and zinc (up to > 10000 ppm), which are accompanied by moderately elevated copper (maximum of 7421 ppm Cu) and silver (maximum of 73.9 ppm Ag). A typical feature of this group is highly anomalous cadmium, however, arsenic, bismuth and antimony are very low (see Appendix 2). Gold concentrations are extremely low in this area.

A third, much less clearly defined group of samples was collected along the mid portion of the Icefall valley (predominantly float; Fig. 4b). Lithologically, they represent variable end-members of the intermediate to felsic volcanics and volcaniclastics, many of them showing some evidence of chlorite-clay alteration and advanced silicification. Several samples returned moderately elevated values of zinc, and less frequently lead, silver and copper. Some of them show considerable concentration of gold (ranging from 100 to 3230 ppb Au). In a few cases arsenic, antimony, and cadmium are also considerably elevated in this group. An assayed float sample of a strongly silicified breccia of felsic volcanic material with abundant sphalerite-pyrite cement returned 3.98% Zn. Macroscopic characteristic of the sample resembles in some aspects heavily mineralized felsic-dacitic breccias related to submarine volcanism and hydrothermal activity known from the roughly correlative succession in Eskay Creek, Stewart Complex.

Several samples were collected from numerous gossans encountered along both valleys, which are usually associated with strong tectonic deformation zones (steep inverse faults), cleavage development and silicification of variable host rocks. The gossanous rocks contain approximately 1-2% of disseminated pyrite, and minor pyrrhotite. Analytical results usually show slightly elevated gold values (in a range from a few tens to few hundreds of ppb Au) accompanied locally by moderately elevated base metals and silver.

Various end-members of the thick sedimentary package (turbidites, argillites and locally limestones) in the lower portion of the surveyed succession do not show significantly elevated values of precious and base metals. Apparently, mineralization on the property is concentrated in the volcanogenic package, in the upper part of the surveyed succession, but especially in association with their felsic end-members. The overlying younger package of coarse-grained sediments and volcaniclastics of the Sloko Group shows unconformable basal contact and, apparently, does not host any significant mineralization.

2.5 Stratigraphic and Structural Observations

Limited stratigraphic and structural observations collected in 2007 by the author on two widely spaced traverses point to a complex geological structure of the property area. Satisfactory understanding of the stratigraphy and structural features of the property and of their relationships to mineralization, requires additional careful fieldwork, but especially rigorous structural mapping on the property scale.

Sedimentary rocks (black argillites, siltstones and slightly recrystallized limestones) observed on the southwestern part of the ME claims (Icefall Valley) constitute apparently the oldest stratigraphic package from the succession surveyed during the 2007 reconnaissance work. They show very steep bedding, with WSW dip, and strong development of several shear zones subparallel to bedding. There occur numerous small-scale steep faults showing similar orientations.

Further northeastward these rocks are gradually replaced by a thick succession of sandy and associated fine- and coarse-grained turbidites. This package show similar NNW-SSE strike of bedding, but its steep dip changes from SW to NE. The strata show additional gentle folding. The contact (or transition?) to the overlying volcanics and volcaniclastics is almost completely concealed under the thick layer of glacial moraine and/or ice pack higher in the Icefall Valley. The volcanogenic package displays numerous effects of strong tectonic deformation including several steeply dipping fault zones of inverse character. Localized strong development of fracture cleavage usually accompanies these zones. Additionally they show some evidence of acid leaching, silicification, and disseminated pyrite mineralization (numerous steep gossan zones).

The succession surveyed along the middle-to-upper portion of the Stoker Valley consists predominantly of volcaniclastic rocks. They show very steep dips toward the SSW along the southern part of the traverse. Further north the dip changes to NNE and this part of the succession is dominated by very thickly bedded coarse-grained volcaniclastcs, pyroclastics and ignimbrites (?). The lithostratigraphic position of this succession is not known. Some mineralized zones of similar character to Icefall drainage occur (see chapter on mineralization). Towards the head of the Stoker Valley and eastwards this succession is unconformably overlain by volcanislastics and redeposited conglomerates of the Sloko Group (Fig. 4c). The strata of this group dip gently toward NE.

3.0. CONCLUSIONS and RECOMMENDATIONS

Results of the 2007 rock sampling program and some lithstratigraphic-structural observations indicate a good potential for existence of significant mineralization on the Pete-ME property. Strong affinity of the mineralization styles encountered on the property to known deposits in the Stewart Complex (Eskay Creek, Cu-Au porphyry-type deposits), warrants further exploration.

The showings documented in 2007 and discovered on the property before do not form any consistent zone of any considerable width, length and grade. Several gossans encountered along the surveyed valleys of the Icefall and Stoker drainages, do display signs of strong alteration, but they are accompanied by only very low-grade mineralization. Most of these sites accompany distinct zones of fracturing and faulting and have been apparently used by mineralized solutions. Evidence of acid leaching (vuggy, siliceous textures) occurs locally along these zones. Higher-grade mineralization occurs, apparently, only in the upper parts of the volcanic succession of the Stuhini (less probably Laberge) Group. However, the lithostratigraphic position of this part of the succession was satisfactorily established on the property.

The style of alteration and mineralization on the property, as well as its stratigraphic and tectonic position, resembles in some aspects the metallogenetic province of the Stewart Complex, located further southeastwards (e.g. Alldrick, 1993, Alldrick et al., 2004). This makes the Pete-ME property an attractive potential host for massive-sulphide, vein and/or porphyry type deposit. A volcanic arc paleotectonic setting postulated for the Stuhini Group makes it a good potential recipient of the products of hydrothermal solutions. Numerous low-grade, porphyry-type deposits, as well as higher-grade mesothermal veins and volcanogenic massive sulphide deposits are known from similar settings elsewhere. Several mineral showings (OLA, OYE) and deposits (Polaris-Taku, Big Bull, Tulsequah Chief) found in close proximity and similar geological settings supports this conclusion.

Strong tectonic deformation of the Stikine Assemblage, and Stuhini (and/or Laberge) rocks on the Pete-ME property makes exploration for mineral deposits more challenging. Future exploration should include a careful geological mapping of the area. A two-week fly camp exploration should result in six to eight complete traverses across the property. One of the most important goals is to establish precise lithostratigraphic relationships between individual end-members of the volcanic-arc succession underlying the property. Mapping should be accompanied by rigorous analysis of structural features. The mapping process should be accompanied by a limited program of geochemical rock sampling. Some whole-rock analysis should be performed to discover primary compositional features of the deformed package. The sources of the mineralized float found in 2007 have to be established.

Analytical laboratory and mapping program results should provide a satisfactory data base for making additional decisions concerning further development of the property.

4.0. REFERENCES

Alldrick, D.J. 1993. Geology and metallogeny of the Stewart mining camp, northwestern British Columbia. B.C. Ministry of Energy and Mines. Bull. 85, 105 pages.

Alldrick, D.J., Nelson, J.L. and Barresi T., 2005. Geology and Mineral Occurrences of the Upper Iskut River Area: Tracking the Eskay Rift through Northern British Columbia. Geological Fieldwork 2004, Paper 2005-1; 1-28.

Beacon Hill Consultants Ltd., 1988. Polaris-Taku Mine Geology Review and Exploration Program. Prepared for Suntac Minerals Corp., Sept 1988.

Church, C.L., 1990. Tulsequah Project – Summary of the 1990 Geochemical Programme – Nick 1-9 Claims, Atlin Mining Division. Geological Survey Branch A. R. 20657.

Graf, C., 1995. 1994 Soil Sampling and Prospecting Program on the CST 1, 2, 3 Claims, Atlin Mining Division, NTS 104K-3W. Geological Survey Branch A. R. 24616

Kerr. F.A., 1948. Taku River Map Area, British Columbia Geological Survey, Memoir 248.

Matysek, P.F., Day, S.J., Gravel, J.L. and Jackaman, W., 1988. Tulsequah Area, NTS 104K; .C. Ministry of Energy, Mines and Petroleum Resources, BC RGS 20/GSC OF 1647 Regional Geochemical Survey release.

McGuigan, P.J., Dawson, G.L. and Melnyk, W.D., 1993. Tulsequah Chief Mine, northwestern B.C.. 1992 Exploration Program: Diamond Drilling, Geology and Reserve Estimation; B.C. Ministry of Energy, Mines and Petroleum Resources, Assessment Report 22939.

Mihalynuk, M.G., Smith, M.T., Hancock, K.D. and Dudka, S., 1994. Regional and economic geology of the Tulsequah River and Glacier areas (104K/12 & 13). Geological Fieldwork 1993, Paper 1994-1: 171-197.

Monger, J.W.H., Price, R.A. and Tempelman-Kluit, D.J., 1982. Tectonic Accretion and Origin of the Two Major Plutonic Welts in the Canadian Cordillera. Geology, 10: 70-75.

Nelson, J., 1981. Geology and Geochemical Results on the ONO and OYA Claims (for Anglo Canadian mining Corporation). BCDM Assessment Report # 9007.

Nelson, J. and Payne, J.G., 1983. Paleozoic Assemblages and Volcanogenic Massive Sulphide Deposits near Tulsequah, British Columbia. Ca. J. Earth Sci., 21: 379-381.

Sherlock, R.L., Childe, F., Barrett, T.J., Mortensen, J.K. and Lewis, P.D., 1994. Geological investigations of the Tulsequah Chief massive sulphide deposit, northwestern British Columbia (104K/12). Geological Fieldwork 1993, Paper 1994-1: 373-379.

Souther, J.G., 1971. Geology and Mineral Deposits of Tulsequah Map Area. Geological Survey of Canada, Memoir 362.

Wojdak, P., 2007. Northwestern Region. In: Exploration and Mining in British Columbia 2006. B.C. Ministry of Energy, Mines and Petroleum Resources, Mining and Mineral Division. Victoria, BC.

Respectfully submitted,

K. Mastalerz

Dr. K. MASTALERZ #31243 BRITISH COLUMBIA SCIENTIST

Krzysztof Mastalerz

5.0.WORK COST STATEMENT

Field Personnel –July 26/27 to Aug 30/31, 2007:	
Geologist (K. Mastalerz) 4 days @ $500.00 per day	2,000.00
Field assistant (R. Radomski) 4 days @ $200.00 per day	800.00
Prospector (D. Connolly) 1 day @ $250.00 per day	250.00
Supervision (M. Elson) 1 days @ $500.00 per day	500.00
Expediting (J. Gautier) 1 day @ $160.00 per day	160.00
Helicopter	2,800.00
Sample shipments	120.00
Assays and analyses (Pioneer: 86 ICP x $22.25)	1,913.50
Polished thin section	40.00
Accommodation 5 room-days @ $80.00 per room	400.00
Transportation (pickup rental 4 days @ $45.00 per day)	180.00
Food: 11 days @ $70.00 per day per person	770.00
Equipment:	
Satelline phone Iridium and phone service (partial cost)	200.00
Small equipment and supplies	300.00
Report and map preparation, data compilation:	
K. Mastalerz (3.5 days @ $500/day)	1,750.00
Drafting for report	625.00
Total	**12,808.50**

Note 1: This report spans a period prior to and post the date of filing of the Statement of Work, namely, SOW 4161669 on July 21st and 4177808 on October 31st, 2007.

6.0. CERTIFICATE OF PROFFESSIONAL QUALIFICATIONS

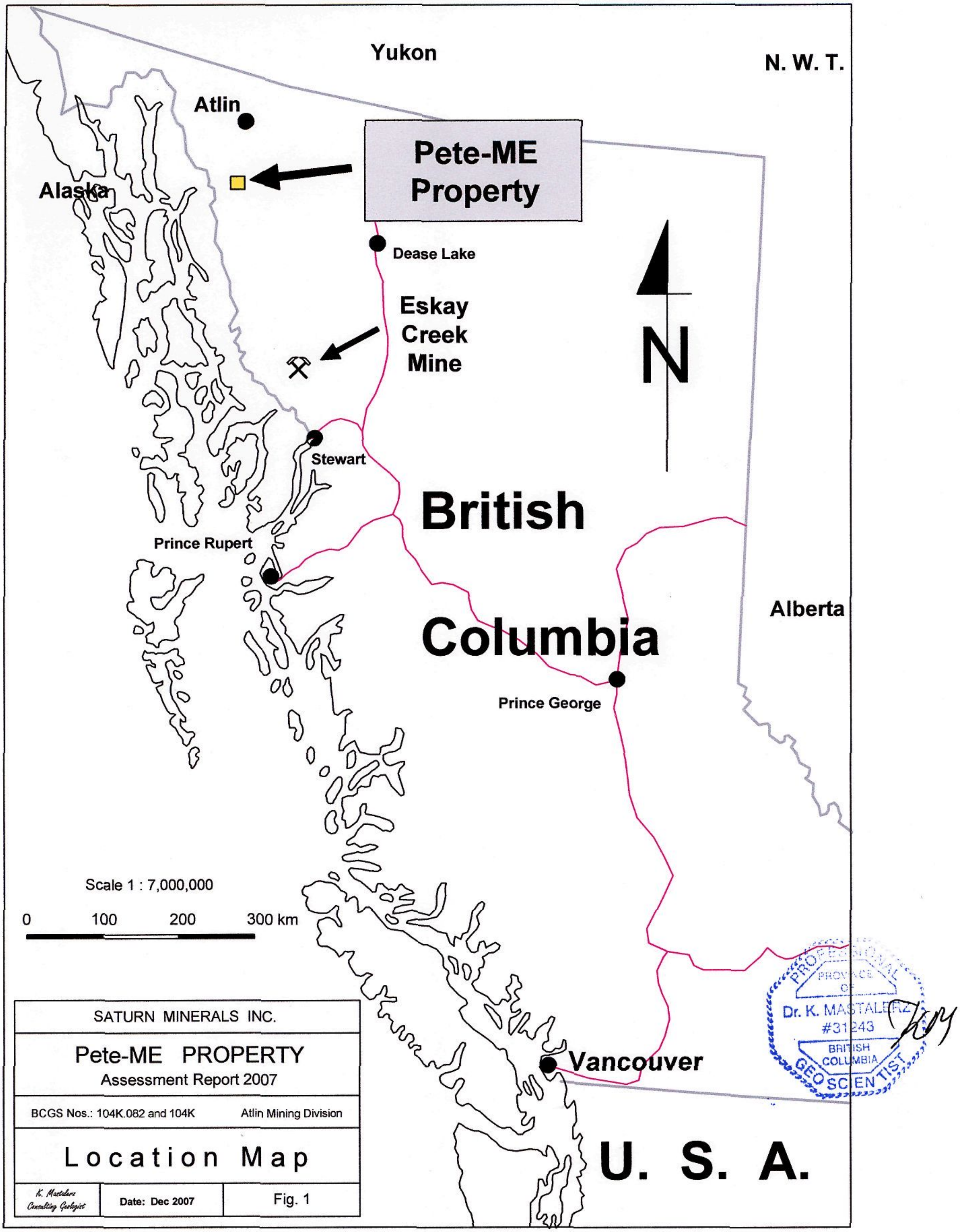
I, Krzysztof Mastalerz, do hereby certify that:

1. I am a geologist with an office at 2005 Bow Drive, Coquitlam, B.C.
2. I am a graduate of the University of Wrocław, Poland, (M.Sc. in Geology in 1981, Ph.D. in 1990).
3. I am a Professional Geoscientist registered with the APEG of the province of British Columbia as a member, # 31243.
4. I have continually practiced my profession since graduation in 1981 as an academic teacher (University of Wrocław, A. Mickiewicz University of Poznań) through 1997, a research associate for the State Geological Survey of Poland (1993-1995), and independent consulting geologist in Canada and Peru since 1994.
5. This report is based upon field work carried on the Pete-ME property, south of Atlin, B.C., on July 26th and August 31st, 2007.
6. I have, personally, conducted and/or supervised field work done on the property in 2007.
7. Interpretations and conclusions presented in this report are based on my field observations, analytical results and on previously published and archive literature available for the area.

Dated at Coquitlam, BC, this 31st day of December, 2007.

PROFESSIONAL PROVINCE OF Dr. K. MASTALERZ #31243 BRITISH COLUMBIA GEOSCIENTIST

Krzysztof Mastalerz


Yukon
N. W. T.
Atlin
Pete-ME Property
Alaska
Dease Lake
Eskay Creek Mine
N
Stewart
British Columbia
Prince Rupert
Alberta
Prince George
Scale 1 : 7,000,000
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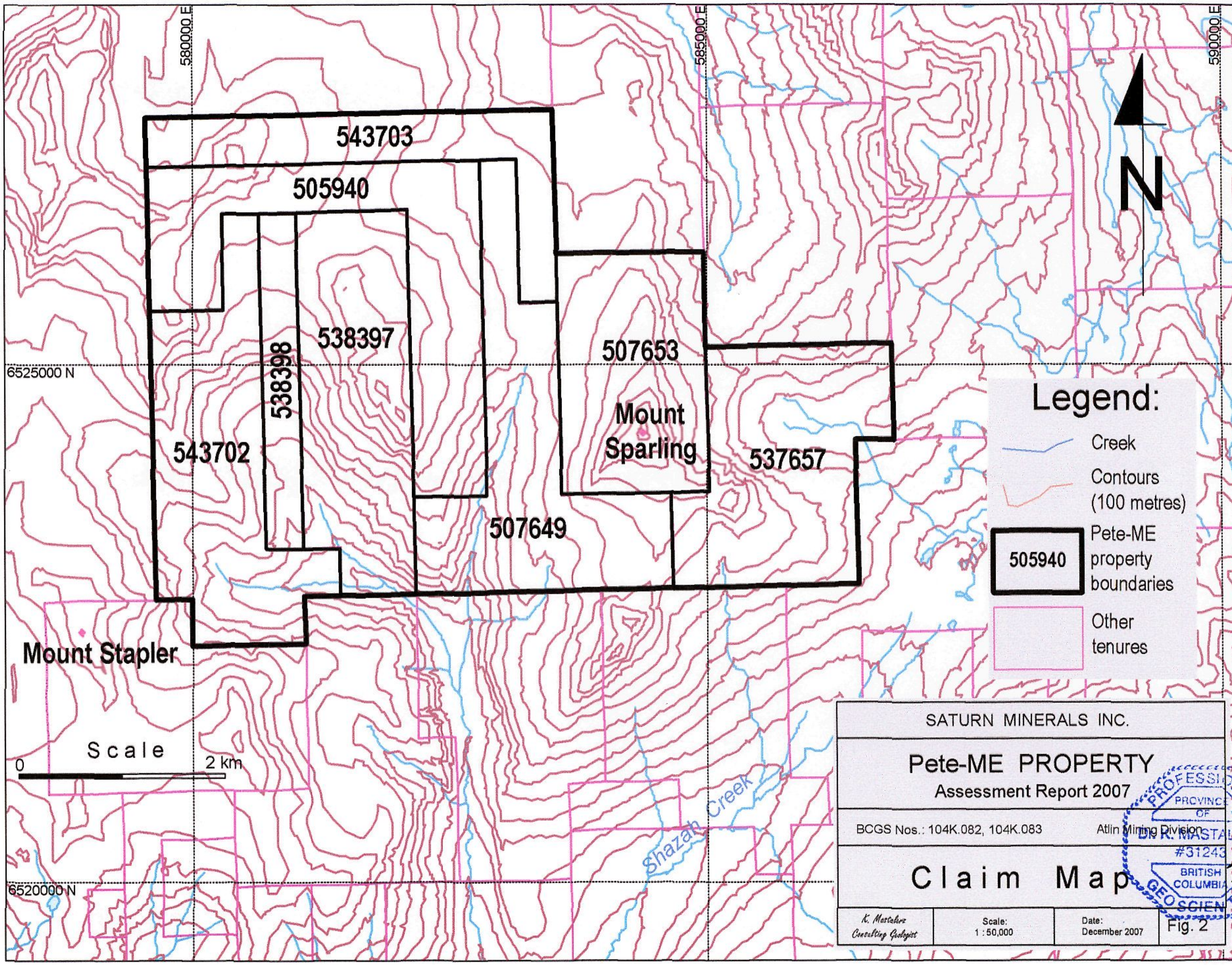
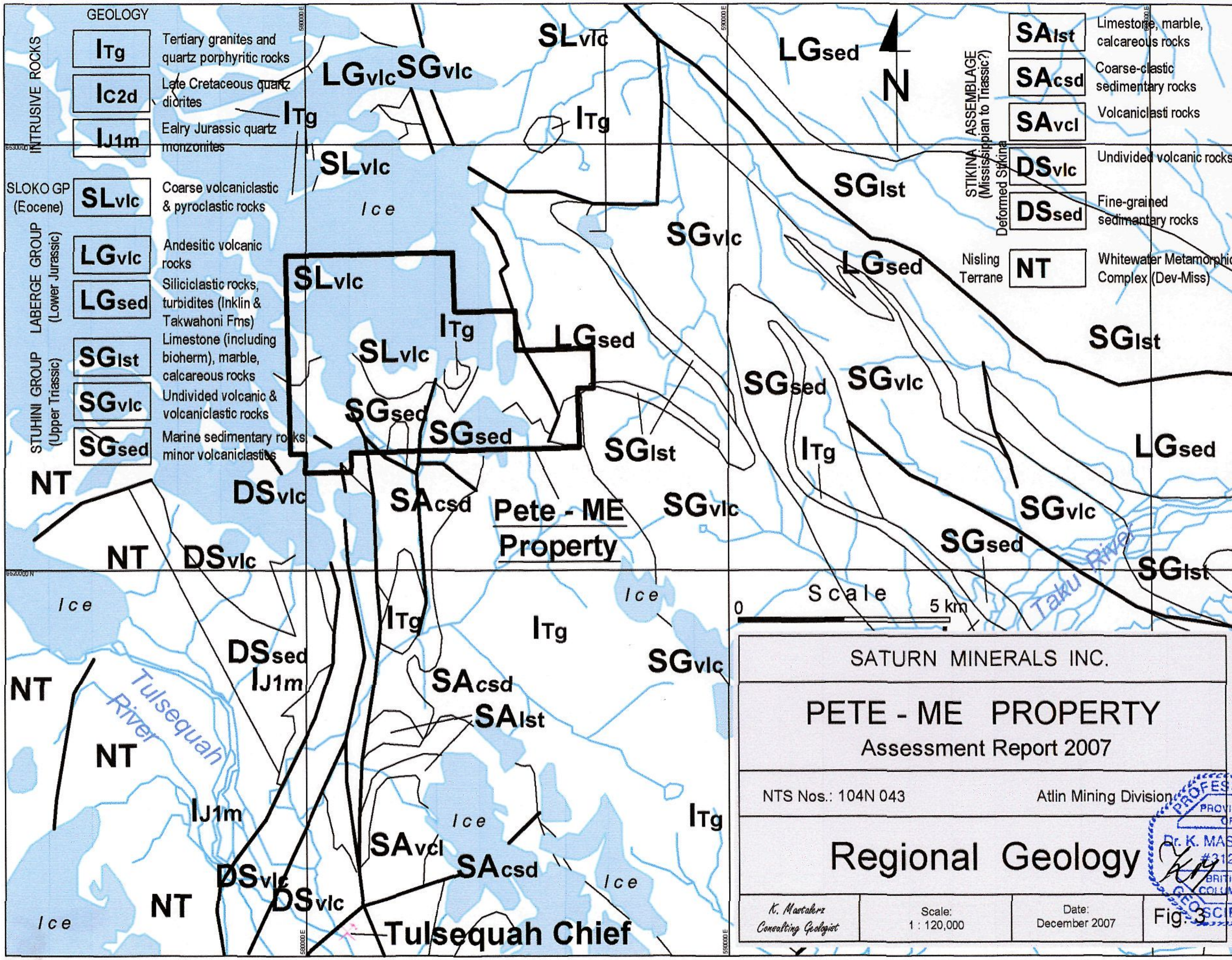
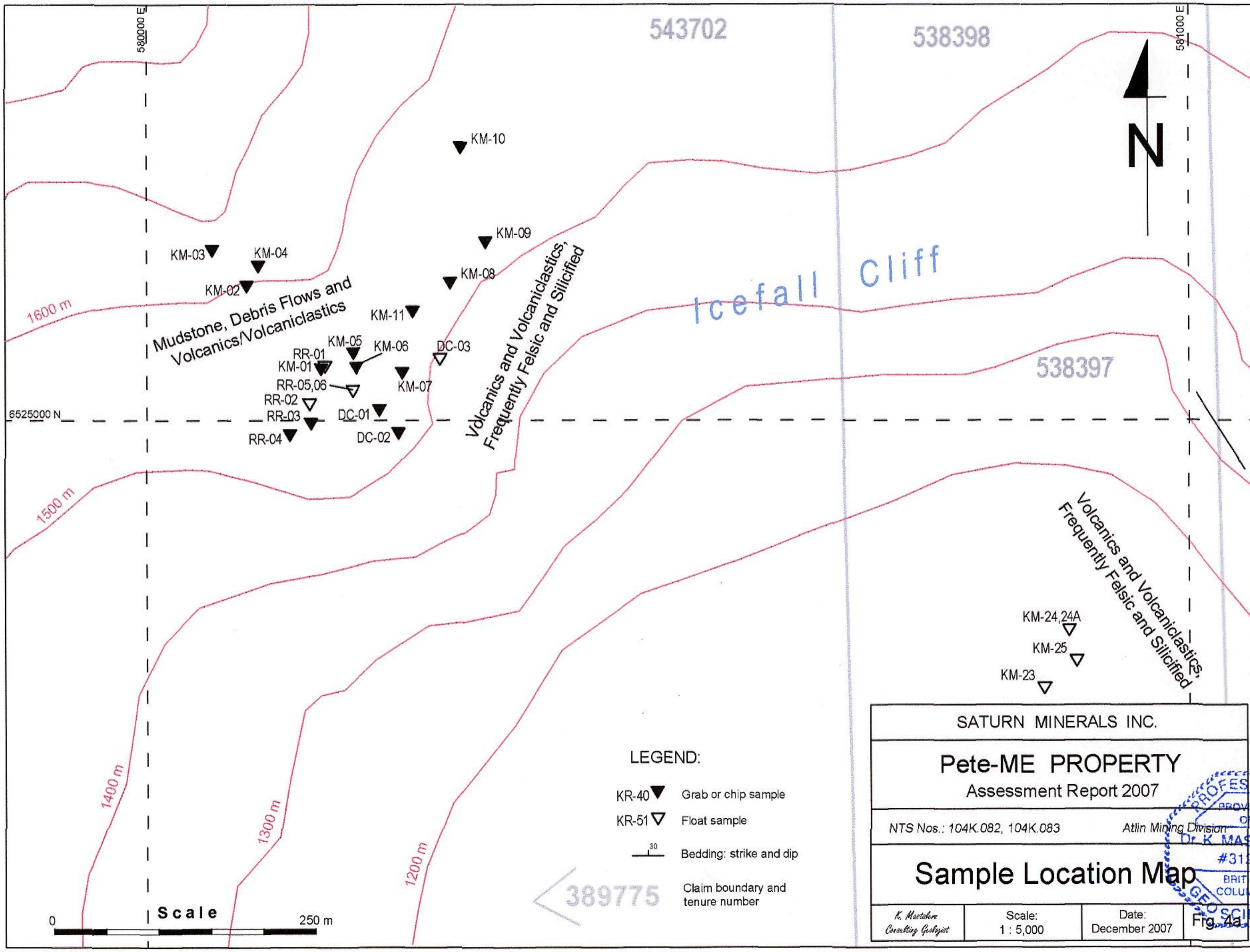
Vancouver
U. S. A.
SATURN MINERALS INC.
Pete-ME PROPERTY
Assessment Report 2007
BCGS Nos.: 104K.082 and 104K
Atlin Mining Division
Location Map
K. Mastalerz Consulting Geologist
Date: Dec 2007
Fig. 1
PROVINCE OF
Dr. K. MASTALERZ
#31243
BRITISH COLUMBIA
GEOSCIENTIST

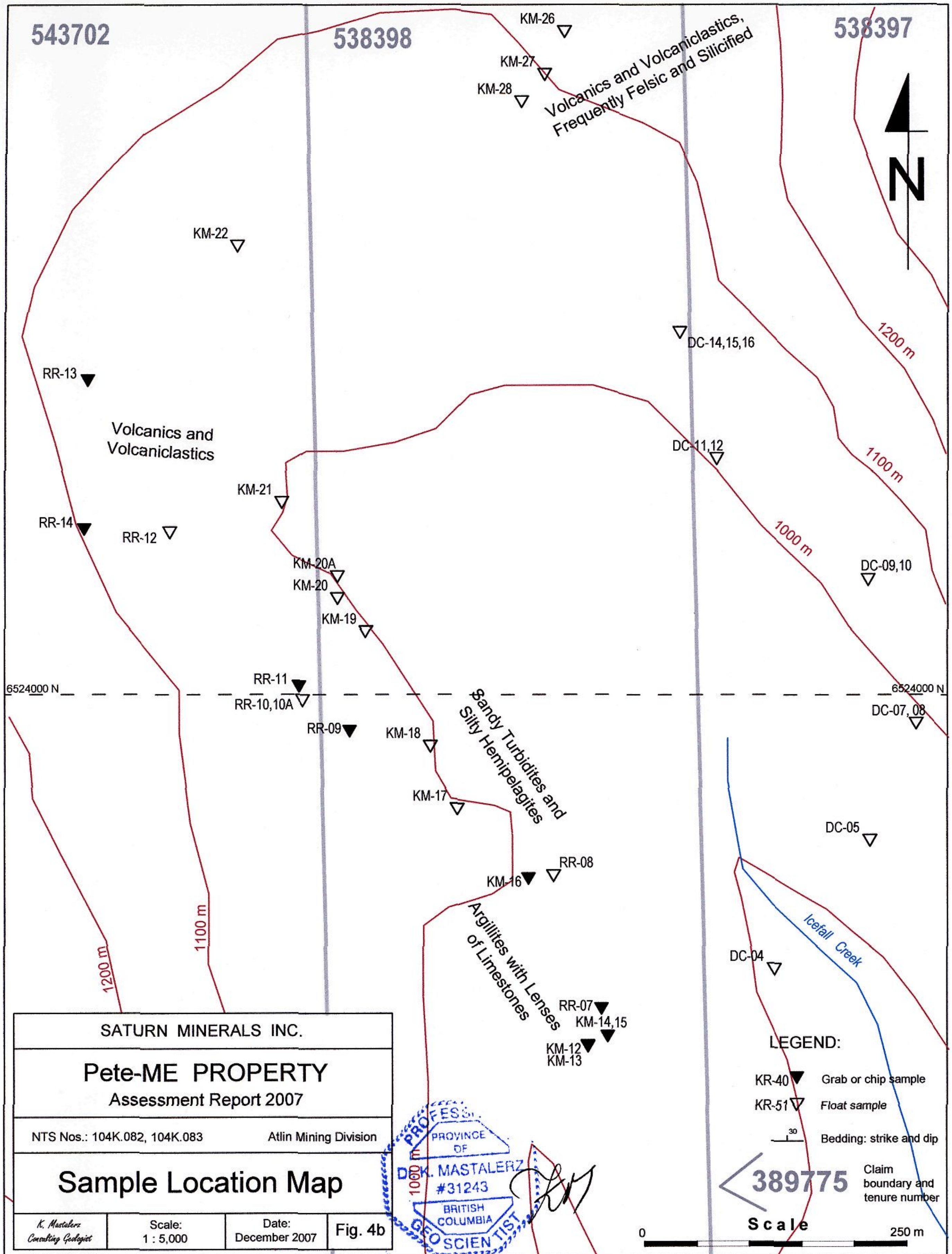


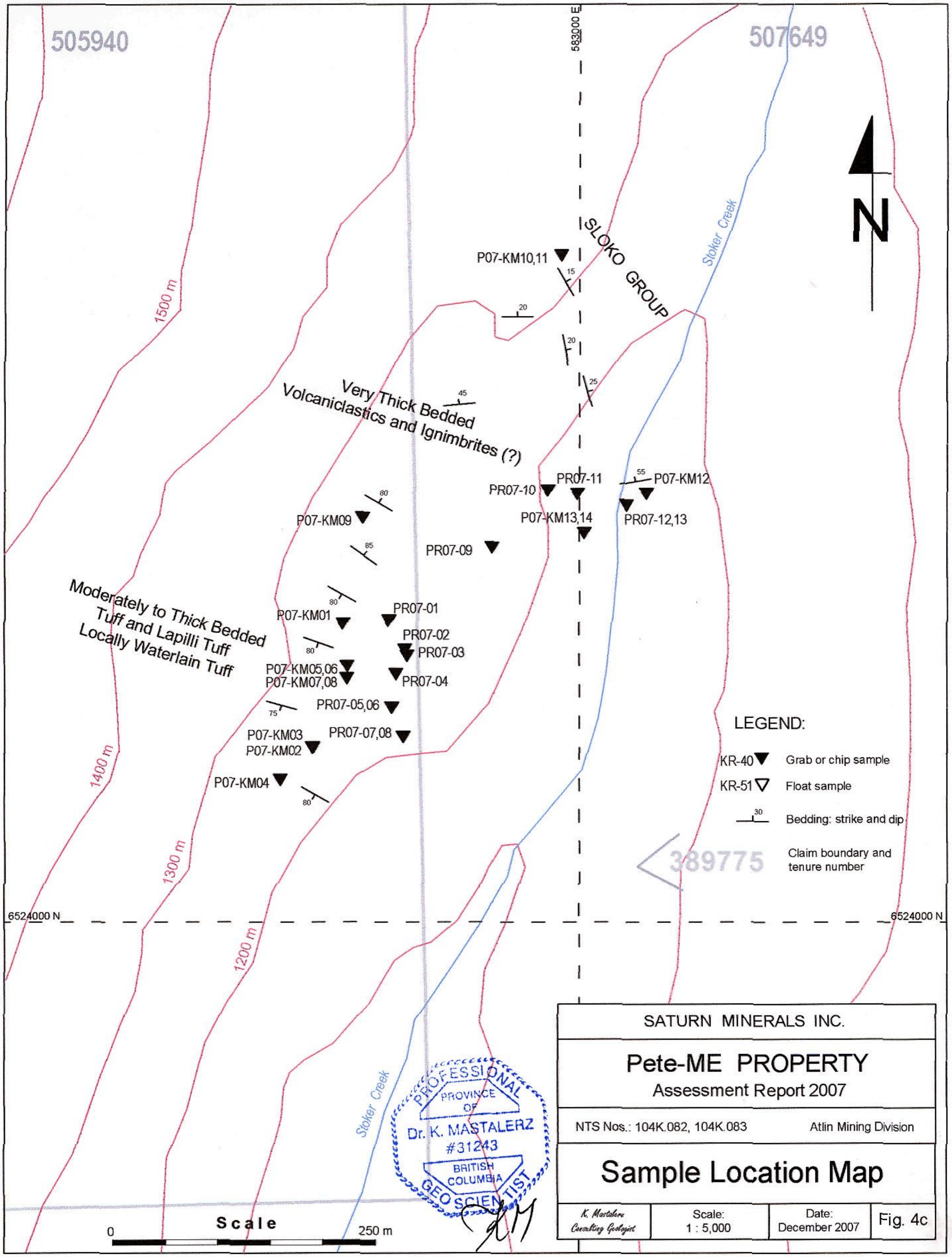
580000 E
585000 E
590000 E
6525000 N
6520000 N
543703
505940
538397
538398
543702
507653
Mount Sparling
537657
507649
Mount Stapler
Shazah Creek
N
Legend:
Creek
Contours (100 metres)
505940
Pete-ME property boundaries
Other tenures
Scale
0
2 km
SATURN MINERALS INC.
Pete-ME PROPERTY
Assessment Report 2007
BCGS Nos.: 104K.082, 104K.083
Atlin Mining Division
Claim Map
K. Mastalerz Consulting Geologist
Scale: 1 : 50,000
Date: December 2007
Fig. 2


GEOLOGY
INTRUSIVE ROCKS
lTg Tertiary granites and quartz porphyritic rocks
lC2d Late Cretaceous quartz diorites
lJ1m Ealry Jurassic quartz monzonites
SLOKO GP (Eocene)
SLvlc Coarse volcaniclastic & pyroclastic rocks
LABERGE GROUP (Lower Jurassic)
LGvlc Andesitic volcanic rocks
LGsed Siliciclastic rocks, turbidites (Inklin & Takwahoni Fms)
STUHINI GROUP (Upper Triassic)
SGlst Limestone (including bioherm), marble, calcareous rocks
SGvlc Undivided volcanic & volcaniclastic rocks
SGsed Marine sedimentary rocks minor volcaniclastics
STIKINA ASSEMBLAGE (Mississippian to Triassic?)
SAlst Limestone, marble, calcareous rocks
SAcsd Coarse-clastic sedimentary rocks
SAvcl Volcaniclasti rocks
Deformed Stikina
DSvlc Undivided volcanic rocks
DSsed Fine-grained sedimantary rocks
Nisling Terrane
NT Whitewater Metamorphic Complex (Dev-Miss)
N
Ice
Pete - ME Property
Tulsequah River
Taku River
Tulsequah Chief
Scale
0
5 km
SATURN MINERALS INC.
PETE - ME PROPERTY
Assessment Report 2007
NTS Nos.: 104N 043
Atlin Mining Division
Regional Geology
K. Mastalerz Consulting Geologist
Scale: 1 : 120,000
Date: December 2007
Fig. 3
PROFESSIONAL PROVINCE OF Dr. K. MASTALERZ #31243 BRITISH COLUMBIA GEOSCIENTIST



580000 E
581000 E
6525000 N
543702
538398
538397
389775
N
Icefall Cliff
1600 m
1500 m
1400 m
1300 m
1200 m
Mudstone, Debris Flows and Volcanics/Volcaniclastics
Volcanics and Volcaniclastics, Frequently Felsic and Silicified
Volcanics and Volcaniclastics, Frequently Felsic and Silicified
KM-10
KM-09
KM-08
KM-03
KM-04
KM-02
KM-11
KM-05
KM-06
DC-03
RR-01
KM-01
KM-07
RR-05,06
RR-02
DC-01
RR-03
RR-04
DC-02
KM-24,24A
KM-25
KM-23
Scale
0
250 m
LEGEND:
KR-40 Grab or chip sample
KR-51 Float sample
30
Bedding: strike and dip
Claim boundary and tenure number
SATURN MINERALS INC.
Pete-ME PROPERTY
Assessment Report 2007
NTS Nos.: 104K.082, 104K.083
Atlin Mining Division
Sample Location Map
K. Mastalerz Consulting Geologist
Scale: 1 : 5,000
Date: December 2007
Fig. 4a
PROFESSIONAL
PROVINCE OF BRITISH COLUMBIA
Dr. K. MASTALERZ
#31243
GEOSCIENTIST


543702
538398
538397
KM-26
KM-27
KM-28
Volcanics and Volcaniclastics, Frequently Felsic and Silicified
N
KM-22
DC-14,15,16
1200 m
RR-13
Volcanics and Volcaniclastics
DC-11,12
1100 m
KM-21
RR-14
RR-12
1000 m
KM-20A
KM-20
DC-09,10
KM-19
RR-11
6524000 N
RR-10,10A
Sandy Turbidites and Silty Hemipelagites
DC-07, 08
RR-09
KM-18
KM-17
DC-05
RR-08
KM-16
Argillites with Lenses of Limestones
Icefall Creek
1100 m
1200 m
DC-04
RR-07
KM-14,15
KM-12
KM-13
SATURN MINERALS INC.
Pete-ME PROPERTY
Assessment Report 2007
NTS Nos.: 104K.082, 104K.083
Atlin Mining Division
Sample Location Map
K. Mastalerz Consulting Geologist
Scale: 1 : 5,000
Date: December 2007
Fig. 4b
PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
K. MASTALERZ
#31243
1000 m
LEGEND:
KR-40 Grab or chip sample
KR-51 Float sample
30
Bedding: strike and dip
389775 Claim boundary and tenure number
Scale
0
250 m


505940
507649
583000 E
6524000 N
6524000 N
N
1500 m
1400 m
1300 m
1200 m
Stoker Creek
Stoker Creek
SLOKO GROUP
Very Thick Bedded
Volcaniclastics and Ignimbrites (?)
Moderately to Thick Bedded
Tuff and Lapilli Tuff
Locally Waterlain Tuff
P07-KM10,11
PR07-10
PR07-11
P07-KM12
P07-KM13,14
PR07-12,13
P07-KM09
PR07-09
P07-KM01
PR07-01
PR07-02
PR07-03
P07-KM05,06
P07-KM07,08
PR07-04
PR07-05,06
P07-KM03
P07-KM02
PR07-07,08
P07-KM04
LEGEND:
KR-40 Grab or chip sample
KR-51 Float sample
Bedding: strike and dip
389775 Claim boundary and tenure number
Scale
0
250 m
PROFESSIONAL
PROVINCE OF
Dr. K. MASTALERZ
#31243
BRITISH COLUMBIA
GEOSCIENTIST
SATURN MINERALS INC.
Pete-ME PROPERTY
Assessment Report 2007
NTS Nos.: 104K.082, 104K.083
Atlin Mining Division
Sample Location Map
K. Mastalerz
Consulting Geologist
Scale:
1 : 5,000
Date:
December 2007
Fig. 4c

APPENDICES

Sample Tag	UTM [m]			Sample Type	Description
	East	North	Elevation		
ME07-DC01	580223	6525011	1501	G	Black argillite wth wisps and lenses of diagenetic Py; Py 5%
ME07-DC02	580241	6524989	1990	G	Dk greenish-gray, calcareous, siLighty tuffaceous sediment; fract controlled Py 3-5%
ME07-DC03	580281	6525060	1509	F	Greenish, str siliceous (felsic) volcanic rock, fractured; finely diss Py <0.5%, fract Py 3%
ME07-DC04	581125	6523739		F	Dk greenish, mod siliceous, intermed volcanic (Tuff?); diss+fract Py+Po 7-15%
ME07-DC05	581216	6523862		F	Dk greenish, silicified interm (?), fine-cryst volcanic; semi-massive Po-Py 15-25%
ME07-DC07	581260	6523974		F	Dk green, mod siliceous , intermed volcanic, Chl-Epi aLight'n; Po blebs
ME07-DC08	581260	6523974		F	Tectonic (volcanic - Light?) fine breccia, open framework, strong Mn-Fe-Sil stain
ME07-DC09	581214	6524112		F	Greenish-gray, mod/wk silic, intermed volcanic; Py blebs+diss+fract 5-7%, tr Po, Cpy
ME07-DC10	581214	6524112		F	Dk greenish, mod silic, intermed volcanic; Py+Po 10-20%
ME07-DC11	581069	6524228		F	Dark greenish, mod silic, intermed volcanic; Py+Po 10-20%
ME07-DC12	581069	6524228		F	White to greenish, layered intermed volcanic; diss+cryst+fract Py 5-7%, loc semimassive laminae of Po-Sph?, tr Cpy?
ME07-DC14	581034	6524349		F	Whitish, coarse crystalline (recrystallization?) volcanic (?) rock; nodules pyritey+ minor chalco-pyrite, tetrahedrite, malachite
ME07-DC15	581034	6524349		F	Dark greenish (meta)volcanic; semimassive to massive Po, minor Py (40-50%)
ME07-DC16	581034	6524349		F	Semimassive-to-massive Po-Py (tr. Sph) 65%
ME07-KM01	580167	6525050	1552	G	Dark green, str fractured, Chl?-aLight'd intermed fragm? volcanic, shear zone, brownish-rusty stain; tr diss+fract Py
ME07-KM02	580096	6525129	1586	G	Greenish, felsic-intermed? Metatuff, str fractured, rusty-brownish stain; diss+fract Py 1%
ME07-KM03	580063	6525163	1590	G	Greenish, felsic-intermed? Sheared metatuff; diss+fract Py 3-5%
ME07-KM04	580107	6525148	1614	G	Dark maroon, intermed coarse tuff-lap tuff, str hemetitic, wk magnetic; tr diss Py, Magn
ME07-KM05	580198	6525065	1565	G	Mod green, str siliceous, felsic volcanic; diss Py <1%
ME07-KM06	580201	6525051	1555	G	Qtz vein/breccia, whitish to yellow-rusty, coarse cryst, cut through felsic volc, siliceous
ME07-KM07	580245	6525046	1535	G	Grayish-green, str siliceous felsic volcanic (afanitic
ME07-KM08	580291	6525132	1529	G	Dk green, mod siliceous meta-volcanic, afanitic; diss + fract Py 5-7%
ME07-KM09	580325	6525171	1526	G	Whitish-gray to greenish, felsic (?) fragmental volcanic; diss + fract Py 5-7%
ME07-KM10	580301	6525261	1530	G	Greenish-creamy, fragmental felsic (?) volcanic; diss Py 1-3%

Sample Tag	UTM [m]			Sample Type	Description
	East	North	Elevation		
ME07-KM11	580255	6525105	1540	G	Dk green, str siliceous, mod fractured, intermed (?) volcanic; fracture controlled Py 3-5%
ME07-KM12	580947	6523665	958	G	Black argillite, loc tuffaceous (BMLight), with some Py-rich lenses/laminae (diagenetic?): Py
ME07-KM13	580947	6523665	958	F	Whitish, sugary texture, felsic volcanic with Py-Marc blebs + diss 2-5%
ME07-KM14	580966	6523674	970	G	Grayish, str silicified felsic? volcanic, micro-vuggy, from shear zone; abundant diss Py(+minor Marc?) 7-15%
ME07-KM15	580966	6523674	970	G	Qtz cemented breccia of volc and argill rocks, white coarse drusy quartz; diss Py 1%
ME07-KM16	580890	6523825	984	G	Tuffaceous siLighty turbidites, sheared and fractured; fract/shear controlled coarse cryst Py 1%
ME07-KM17	580822	6523892	1010	F	Greenish, metavolcanic, mod fractured, Py-rich; fract+diss+cryst Py 5-10%
ME07-KM18	580796	6523952	1001	F	Black-Dk gray siLightstone, parallel laminated, wk silicified; Py dss in siLighty-sandy laminae 1-2%
ME07-KM19	580734	6524062	998	F	Black siLighty argillite, wk siliceous, suspect Hydrozinckite stain; tr diss Py
ME07-KM20	580707	6524094	993	F	Intact breccia of felsic (silicified) volcanic; tr diss Py in frags, Sph-Py(-Ga?) cement ca. 7-10%
ME07-KM20A	580707	6524115	993	F	Black, slightly siLighty argillite, fractured; diss Py ca 1%, tr Hydrozinckite?
ME07-KM21	580654	6524186	1003	F	Grayish-greenish, siliceous, felsic volcanic; diss+blebed Py 3-7%
ME07-KM22	580611	6524432	998	F	Light grayish-greenish, siliceous fragmental, felsic volcanic, Py rich; Py 5-7%
ME07-KM23	580861	6524746	1078	F	Light grayish Qtz-phyric subvolcanic-volcanic
ME07-KM24	580885	6524801	1104	F	Greenish-gray, siliceous, afanitic, felsic volcanics; diss+fract Py 1-5%
ME07-KM24A	580885	6524801	1104	F	Greenish-gray, siliceous, afanitic, felsic volcanics; diss+fract Py 1-5%
ME07-KM25	580892	6524772	1106	F	Light grayish-pinkish, fine-med crystall, felsic? Volcanic; blebs+diss Po, Py 3-7%
ME07-KM26	580923	6524637	1085	F	Light grayish-cloudy, str siliceous, afanitic felsic volcanic; diss+bleb Py 3-5%
ME07-KM27	580904	6524596	1069	F	Grayish-smoky, str siliceous, felsic, afanitic volcanic;
ME07-KM28	580882	6524570	1059	F	Grayish breccia of felsic afanitic volcanic, poor, Py-
ME07-RR01	580171	6525053	1548	F	Greenish, Epi-Chl-Carb aLight'd porphyritic intermediate volcanic; diss+fract Py 0.5-1%
ME07-RR02	580156	6525017	1535	F	Greenish-gray cherty siLightstone - chert; trace disseeminated and crystalline pyrite
ME07-RR03	580157	6524998	1533	G	Greenish-gray cherty/siliceous and partly tuffaceous siLightstone; diss Py 1%
ME07-RR04	580137	6524987	1528	G	Greenish-gray cherty/siliceous and partly tuffaceous siLightstone; diss Py 1%
ME07-RR05	580198	6525030	1549	F	Dk green, fine grained, intermediate volcanic (tuff?), str fractured, fract Py 3%, Fe-Mn stain

Sample Tag	UTM [m]			Sample Type	Description
	East	North	Elevation		
ME07-RR06	580198	6525030	1549	F	Qtz vein/breccia, loc drusy, cut through mod silicified, Light greenish felsic? volcanic rock
ME07-RR07	580960	6523701	972	G	Dk green, fine grained, tuffaceous seds, Calcite-(Qtz) veins; cryst fract+concret Py 3-5%
ME07-RR08	580914	6523828	976	F	Tectonic breccia: argillite frags in coarse-cryst Calcite cement; loc irreg Py up to 5-7%
ME07-RR09	580719	6523966	1016	G	Black graphitic argillite, wk silicified, poorly laminated; laminae-lenses of diagenetic Py
ME07-RR10	580674	6523996	1023	F	Light gray, mod-str silicified, felsic? Volcanic rock; diss Py 0.5-1%
ME07-RR10A	580674	6523996	1023	F	Whitish, crystalline, str silicified felsic volcanic; iregular + blebs Py 5%
ME07-RR11	580671	6524010	1023	G	Black siLighty argillite, wk siliceous, Calcite and Py veinlets; Py (fract-veins) 2-3%
ME07-RR12	580547	6524157	1051	F	Dark green, fractured loc brecciated, fine-crystall, mod siliceous volcanic; abund semimassive Py-Po 25-40%
ME07-RR13	580469	6524303	1067	G	Black, laminated argillite-siLightstone, regular lamination; diss + fract Py tr-1%
ME07-RR14	580466	6524160	1090	G	Black tuffaceous siLightstone, wk graphitic; loc crystal? frags; diss-fract Py 1%
P07-KM01	582774	6524288	1287	G	Greenish, andesitic tuff-lapilli tuff, slightly siliceous; disseminated to cubed pyrite and pyrrhotite 2-3%
P07-KM02	582745	6524169	1270	G	Pyroclastic/volcaniclastic flow to tuff, strong fracture
P07-KM03	582745	6524169	1270	F	Light grayish, strongly silicified intermediate-felsic volcanic rock; disseminated pyrite 3-5%
P07-KM04	582714	6524138	1238	G	Blackish, siliceous, distinctly layered siLightstone, locally cherty; locally 1-3% disseminated pyrite along fractures
P07-KM05	582778	6524247	1257	G	Grayish intermediate-dacitic tuff to lapilli tuff, silicified, oxidized; disseminated pyrite 3-5%
P07-KM06	582778	6524247	1257	F	Light grayish, strongly silicified intermediate-felsic volcanic rock; disseminated pyrite and incipient stockwork of pyrrhotite veinlets 5-10%
P07-KM07	582778	6524235	1255	G	Black tuffaceous mudstone with disseminated pyrite 3-7%, distinctly layered
P07-KM08	582778	6524235	1255	G	Grayish, strongly leached, tuff-lapilli tuff, trace - 1% of disseminated pyrite, strongly oxidized along fractures
P07-KM09	582793	6524390	1242	G	Grayish, strongly silicified, tuffaceous fine sediment, disseminated pyrite and fracture controlled pyrite + pyrrhotite
P07-KM10	582983	6524642	1294	G	Shear zone in ignimbrite-to volcaniclasti conglomerate, numerous quartz-chalcedony veins and breccia
P07-KM11	582983	6524642	1294	G	Shear zone at the contact of ignimbrite and conglomerate of mixed volcanogenic-siliciclastic composition

Sample Tag	UTM [m]			Sample Type	Description
	East	North	Elevation		
P07-KM12	583064	6524413	1170	F	Light greenish-gray, intermediate-to-dacitic volcanic
P07-KM13	583005	6524375	1150	G	Intermediate-to-dacitic volcanic rock, moderately silicified, pyrrhotite and minor pyrite mainly along fractures, 3-5%
P07-KM14	583005	6524375	1150	G	Whitish-to-greenish, intermediate-to-dacitic volcanic, siliceous, locally patchy pyrrhotite, minor banded and disseminated
PR07-01	582818	6524291	1239	G	Greenish-gray, almost aphanitic volcanic/tuff?, intermediate, weak Chl aLight'n; diss + fract filled Po + Py ca. 0.5 %
PR07-02	582834	6524263	1240	G	Dark gray, strongly silicified, afanitic volcanicc, intermediate comp; diss + blebs Py 1-2%
PR07-03	582836	6524257	1235	G	Similar as before, less silicified; more Py blebs + fract fills 2-3%
PR07-04	582825	6524239	1236	G	Greenish, med grained porphyritic volcanic of fine lapilli tull of intermediate composition, crystal frags, incipient carbonate aLight'n; diss Py < 1%, tr blebs
PR07-05	582821	6524207	1221	G	Greenish, coarse-med crystalline rock, distinct big feldspar crystals, intermediate, incip carbonate aLight'n, secodary sulphates along fractures; diss+bleb Py 1-3%, loc in fractures, tr Ga or silvery
PR07-06	582821	6524207	1221	G	Greenish, coarse-med crystalline rock, distinct feldspar crystals, intermediate, carbonate aLight'n, secodary; diss+bleb Py 1-2%, tr Po, Ga 1-1.5%, tr Cpy
PR07-07	582832	6524179	1197	G	Greenish, fine intermed tuff, locally inditinctly banded, carbonate replacement along fractures up to thin veins; Ga 1% blebs along fractures
PR07-08	582832	6524179	1197	G	Dark green, aphanitic intermed tuff, wk Chl aLight'n, mod silicification, diffuse layering; diagenetic cubed Py 2-3%, tr Po
PR07-09	582917	6524361	1215	G	Greenish, coarse-med crystalline rock, distinct feldspar crystals, intermediate, carbonate aLight'n, secodary with thin (1 cm) Qtz-Py-Ga; diss Py 1%, vein Py 2%, Ga 0.5%
PR07-10	582970	6524416	1193	G	Green fine grained intermed volcanic/fragmental
PR07-11	582998	6524413	1185	G	Green, med grained fragmental volcanic, silicified, some Chl aLight'n; diss Po 5%
PR07-12	583045	6524402	1135	G	Greenish, fine to almost afanitic volcanic, intermediate?, strong silicification; diss Po 1-3%
PR07-13	583045	6524402	1135	G	Greenish, coarse fragmental(crystalline?) intermediate volcanic, strong carbonate aLight up to replacements; Ga blebs accompany carbonate aLight'n up to 3-5%

Abbreviations:
diss - disseminated; tr - trace; Py - pyrite, Cpy - chalcopyrite, Ga - galena; Po - pyrrhotite; Chl - chlorite
alt'n - alteration; Epi - epidote; Cl - clay; Sph - sphalerite; str - strong; mod - moderate; Qtz - quartz

Sample	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
No.	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
ME07-DC01	4	66	15	139	.3	26	15	599	3.96	20	8	2	146	.5	4	4	77	2.73	.112	8	45	.95	105	.15	20	1.40	.05	.33	2	1
ME07-DC02	7	97	9	301	.3	39	11	735	5.66	65	8	2	83	1.2	4	3	77	7.54	.131	6	38	4.19	46	.19	20	2.65	.02	.28	2	2
ME07-DC03	3	133	8	59	.3	33	23	398	3.73	8	8	2	67	.5	3	3	96	1.08	.140	8	66	1.02	464	.25	20	1.67	.06	.21	2	2
ME07-DC04	20	1388	28	17	2.0	152	144	133	26.54	15	8	4	12	.5	3	3	7	.46	.072	3	29	.30	8	.03	20	.42	.02	.03	2	10
ME07-DC05	1	999	47	>10000	1.4	9	68	456	33.90	43	8	4	4	95.7	3	16	4	.06	.008	1	12	.26	7	.01	20	.23	.01	.07	2	16
ME07-DC07	3	218	8	110	.3	44	27	1359	5.78	19	8	2	58	1.5	3	8	52	2.86	.075	11	40	1.12	130	.16	20	1.24	.04	.14	2	2
ME07-DC08	6	148	98	181	.3	18	1	264	21.39	90	8	4	5	.9	3	10	48	.10	.033	3	86	.56	32	.09	20	.82	.01	.25	6	10
ME07-DC09	7	887	12	26	2.9	91	29	249	7.54	72	9	3	7	.5	4	270	100	.23	.068	2	418	1.88	23	.09	20	1.54	.02	.57	>100	12
ME07-DC10	4	2166	23	5625	9.0	83	59	367	13.05	30	8	2	9	40.4	3	22	22	.31	.069	1	20	2.76	5	.02	20	1.63	.01	.03	15	16
ME07-DC11	6	106	24	81	.8	107	6	1804	11.93	158	8	3	39	1.2	3	17	74	.62	.071	3	190	2.98	19	.12	20	2.38	.01	2.05	22	13
ME07-DC12	2	1564	27	>10000	8.3	38	16	755	6.60	20	8	2	27	130.1	8	13	19	1.16	.045	1	41	1.46	10	.04	20	1.09	.02	.44	6	12
ME07-DC14	12	279	20	243	.4	7	2	848	1.14	7	8	2	34	4.2	4	4	10	2.05	.017	1	115	.75	3	.01	20	.49	.03	.01	2	5
ME07-DC15	2	3585	31	70	10.1	108	192	124	38.06	119	8	5	4	1.2	3	52	4	.11	.003	1	33	.10	5	.01	20	.09	.01	.06	2	160
ME07-DC16	4	2215	36	>10000	20.8	6	31	636	17.82	24	8	3	10	1781.4	3	56	9	.28	.025	3	36	.31	11	.01	20	.39	.04	.16	2	195
ME07-KM01	2	24	14	66	.3	49	5	1465	5.14	58	8	2	14	.5	3	4	63	.13	.100	8	161	1.81	35	.01	20	2.13	.01	.18	2	3
ME07-KM02	3	65	32	58	.8	35	7	378	4.13	60	8	3	54	.5	3	15	28	.07	.046	7	94	.25	109	.01	20	1.27	.01	.21	2	35
ME07-KM03	27	36	20	68	.4	37	3	318	3.55	79	8	2	35	.5	3	9	17	.05	.036	4	97	.58	171	.01	20	.97	.01	.22	2	3
ME07-KM04	18	99	271	145	.6	93	4	238	14.36	288	8	7	115	2.7	33	47	31	.33	.145	15	89	.06	159	.01	20	.69	.01	.29	3	120
ME07-KM05	6	293	31	45	.8	18	12	469	2.32	21	8	4	12	.5	3	3	20	.09	.019	5	74	.39	65	.02	20	1.09	.01	.25	3	8
ME07-KM06	19	51	179	24	2.2	13	2	45	2.08	177	8	2	11	.5	4	10	11	.01	.011	3	126	.01	96	.01	20	.17	.01	.07	2	46
ME07-KM07	15	168	26	1086	.4	117	16	123	1.52	371	8	4	7	1.5	9	11	6	.05	.037	7	80	.15	58	.01	20	.49	.01	.19	2	23
ME07-KM08	14	276	1956	1474	7.9	55	5	638	7.69	>10000	8	4	237	25.4	36	11	13	.31	.154	4	57	.62	47	.01	20	1.88	.01	.18	2	3230
ME07-KM09	19	32	668	2497	5.5	19	5	119	3.81	158	8	5	20	46.4	7	8	2	.07	.024	2	47	.06	47	.01	20	.40	.02	.28	2	70
ME07-KM10	28	110	432	48	4.5	2	2	531	4.10	149	8	7	15	.5	4	8	3	.09	.036	4	67	.40	58	.01	20	.93	.01	.21	2	16
ME07-KM11	23	527	109	131	3.6	88	11	590	11.72	737	8	5	466	1.7	3	3	13	.53	.291	3	56	.72	31	.01	20	1.71	.01	.16	2	175
ME07-KM12	42	31	29	165	.3	57	5	400	2.29	51	8	2	148	1.0	3	3	98	2.64	.094	9	72	.39	82	.01	20	.68	.04	.10	2	21
ME07-KM13	6	10	141	51	2.7	2	1	22	2.64	76	8	2	5	.5	3	8	1	.03	.001	2	58	.02	51	.01	20	.16	.01	.19	2	30
ME07-KM14	6	153	253	268	2.5	57	17	32	6.24	306	8	2	24	2.7	3	3	31	.48	.173	4	37	.06	13	.01	20	.48	.01	.26	2	175
ME07-KM15	11	16	29	149	.3	22	5	243	1.53	170	8	2	190	1.1	3	3	13	1.44	.035	2	116	.17	134	.01	20	.31	.01	.17	2	20
ME07-KM16	1	56	30	338	.4	110	20	1035	9.21	243	8	2	381	3.5	11	3	68	4.32	.095	3	93	2.93	34	.01	20	2.20	.01	.09	2	29
ME07-KM17	20	406	301	1370	4.9	18	14	873	8.28	162	8	3	14	15.4	3	16	84	.20	.069	3	48	.69	27	.01	20	1.06	.01	.18	4	32
ME07-KM18	7	32	6	546	.4	31	5	2815	3.03	51	8	2	691	6.5	3	3	80	18.49	.198	16	35	.81	103	.01	20	.74	.01	.08	2	2
ME07-KM19	12	50	12	296	.3	41	8	515	3.77	17	8	2	222	3.4	3	3	45	4.03	.112	8	42	.84	86	.01	20	.94	.02	.16	2	5
ME07-KM20	23	354	855	>10000	15.5	25	19	493	10.94	4865	8	5	3	545.2	149	9	2	.01	.003	2	49	.07	16	.01	20	.27	.01	.16	2	425
ME07-KM20A	6	61	18	202	.3	46	17	655	3.98	35	10	2	207	.9	5	3	43	2.91	.087	7	41	.73	93	.01	20	.95	.01	.23	2	30
ME07-KM21	7	45	433	51	3.9	3	2	524	1.81	48	8	7	25	1.0	20	4	1	.06	.020	4	45	.06	93	.01	20	.54	.01	.29	2	18

Sample	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
No.	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
ME07-KM22	27	25	92	63	2.9	21	5	1194	2.05	189	8	3	11	.5	9	3	3	.07	.021	3	67	.10	58	.01	20	.40	.01	.24	2	90
ME07-KM23	4	34	110	239	1.6	6	2	607	3.61	62	8	4	54	2.2	3	3	28	1.05	.051	2	63	.87	63	.01	20	2.11	.20	.13	2	16
ME07-KM24	22	362	161	415	1.8	30	17	496	5.02	31	8	2	20	4.6	3	3	71	.33	.088	4	105	1.45	21	.05	20	1.44	.05	.30	2	10
ME07-KM24A	22	407	34	118	1.4	23	24	578	5.78	44	8	3	29	1.0	4	3	80	.43	.101	6	75	1.69	25	.06	20	1.79	.05	.28	2	7
ME07-KM25	5	379	58	293	1.3	21	13	418	4.72	11	8	2	28	3.1	3	3	73	.42	.101	6	83	1.33	27	.06	20	1.40	.06	.39	2	9
ME07-KM26	24	39	818	209	10.2	8	2	93	2.36	167	8	5	11	3.4	7	10	5	.05	.029	5	76	.12	98	.01	20	.36	.01	.30	2	10
ME07-KM27	3	357	33	114	1.0	7	10	777	4.17	56	8	2	35	1.2	5	3	89	.50	.134	5	37	1.29	17	.06	20	1.49	.12	.19	2	12
ME07-KM28	18	473	320	420	3.0	49	11	695	3.88	7	8	3	27	4.9	4	4	62	.58	.058	4	120	1.66	38	.03	20	1.51	.02	.13	2	2
ME07-RR01	1	17	10	150	.3	4	15	1292	4.36	2	8	3	76	.9	3	3	61	1.43	.131	16	11	1.53	81	.09	20	2.35	.03	.14	2	1
ME07-RR02	5	105	13	61	.3	158	39	429	4.68	2888	8	3	29	.5	15	9	120	.27	.084	5	220	2.38	50	.05	20	2.29	.04	.13	2	240
ME07-RR03	3	100	5	67	.3	213	22	1196	3.88	538	8	3	16	.5	11	3	95	.25	.079	7	251	2.57	60	.08	20	2.26	.01	.14	2	7
ME07-RR04	5	83	57	1082	.4	161	11	430	3.56	159	8	2	11	7.8	6	6	62	.11	.058	6	229	2.53	56	.01	20	2.03	.01	.12	2	12
ME07-RR05	14	166	44	309	1.0	94	32	9156	14.60	215	8	2	208	3.7	8	3	106	.48	.256	9	213	1.71	75	.02	20	4.02	.01	.25	2	46
ME07-RR06	23	123	71	47	2.9	18	5	106	2.84	159	8	2	18	.5	5	10	16	.01	.026	7	133	.02	1542	.01	20	.25	.01	.17	2	23
ME07-RR07	8	173	7	31	.4	9	9	182	2.61	5	8	2	31	.5	3	4	38	.34	.025	3	110	.27	35	.05	20	.71	.07	.07	2	4
ME07-RR08	4	6	66	36	1.6	14	1	925	5.48	126	8	2	1493	1.0	6	3	19	13.65	.016	1	34	6.35	95	.01	20	.62	.01	.10	2	42
ME07-RR09	41	72	19	241	.3	131	19	598	4.93	53	8	3	364	2.7	8	3	63	6.22	.095	7	36	.88	63	.01	20	1.15	.01	.20	2	8
ME07-RR10	4	22	301	2159	1.3	6	4	2225	1.94	139	11	7	8	17.3	144	8	3	.13	.033	10	26	.08	57	.01	20	.45	.01	.35	2	57
ME07-RR10A	6	3	89	22	1.6	1	1	41	1.49	102	8	3	4	.5	3	9	1	.01	.002	6	73	.01	53	.01	20	.25	.01	.27	2	47
ME07-RR11	29	61	16	579	.6	97	13	603	4.17	37	8	3	321	4.0	6	8	79	5.71	.090	7	37	1.14	100	.01	20	1.11	.01	.22	2	5
ME07-RR12	24	1352	12	44	1.3	219	45	220	27.39	36	8	4	22	.9	4	34	76	.27	.053	3	42	.62	22	.02	20	.87	.05	.09	19	760
ME07-RR13	8	44	16	239	.4	42	11	274	3.65	28	8	2	40	4.4	5	3	61	.44	.170	13	56	.92	98	.03	20	1.15	.01	.18	2	1
ME07-RR14	12	46	15	229	.3	48	12	432	3.56	20	8	3	284	2.2	3	4	60	3.91	.123	9	51	.96	139	.01	20	1.19	.01	.26	2	1
P07-KM01	2	144	12	39	0.4	50	19	506	8.00	28	9	<2	57	1.3	5	5	94	1.36	.109	3	54	1.60	17	.14	<20	2.94	.29	.46	<2	1
P07-KM02	10	157	44	158	0.8	13	5	1212	11.71	39	9	<2	11	1.5	<3	5	95	.10	.082	2	81	1.97	27	.05	<20	2.57	.03	.09	<2	1
P07-KM03	5	28	9	19	0.5	3	3	297	4.23	28	<8	<2	10	<0.5	8	<3	68	.24	.114	3	61	.29	16	.11	<20	.64	.06	.11	<2	10
P07-KM04	2	116	5	123	<0.3	53	22	678	5.89	18	9	2	108	1.3	<3	<3	163	4.38	.122	7	61	2.02	50	.03	<20	2.44	.05	.36	<2	1
P07-KM05	3	53	7	46	<0.3	47	18	286	3.76	36	10	<2	8	<0.5	6	<3	58	.24	.121	4	72	.43	37	.03	<20	1.12	.03	.13	<2	1
P07-KM06	2	117	40	166	0.9	39	25	469	7.34	12	9	<2	88	1.1	<3	<3	77	1.02	.147	4	64	.88	25	.08	<20	2.14	.30	.14	<2	1
P07-KM07	3	64	23	222	0.6	28	16	56	4.36	208	<8	<2	52	1.2	<3	<3	41	.37	.175	4	45	.36	35	<0.01	<20	.91	.10	.17	<2	3
P07-KM08	2	111	136	197	1.0	6	2	201	13.29	1249	<8	<2	21	2.4	<3	<3	57	.07	.098	2	55	1.04	53	.13	<20	1.17	.02	.13	<2	1
P07-KM09	5	193	15	147	0.7	62	21	393	7.49	105	<8	<2	66	0.9	<3	<3	138	.86	.116	5	76	1.08	34	.09	<20	2.81	.27	.92	<2	1
P07-KM10	138	6	66	10	4.6	4	1	137	.43	12	<8	2	24	<0.5	5	<3	4	.13	.003	5	135	<0.01	937	<0.01	<20	.10	.01	.10	<2	39
P07-KM11	15	5	24	22	<0.3	2	1	130	.67	26	<8	7	29	<0.5	<3	<3	2	.04	.011	23	65	.01	1500	<0.01	<20	.20	.01	.21	<2	3
P07-KM12	4	40	16	28	<0.3	6	12	201	3.04	<2	<8	<2	224	0.6	<3	<3	39	1.65	.110	2	34	.58	64	.08	<20	2.75	.48	.05	<2	6
P07-KM13	3	41	123	77	0.3	6	10	248	2.75	2	<8	<2	229	1.2	<3	<3	48	1.76	.117	2	45	.74	70	.09	<20	2.99	.49	.05	<2	7

Sample	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
No.	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
P07-KM14	2	46	4	16	<0.3	7	13	222	3.21	<2	<8	<2	356	<0.5	<3	<3	39	2.49	.131	5	44	.56	43	.09	<20	3.80	.63	.03	<2	10
PR07-01	2	1829	197	269	5.2	51	21	471	4.03	47	13	<2	50	1.2	<3	<3	171	1.28	.151	5	110	1.25	25	.21	<20	1.80	.10	.87	<2	12
PR07-02	4	122	7	104	0.3	50	23	678	4.97	6	10	<2	33	0.7	<3	<3	190	.41	.128	4	89	1.07	21	.12	<20	1.95	.09	.38	<2	1
PR07-03	1	127	5	170	<0.3	26	17	1779	10.67	16	<8	<2	78	0.9	<3	<3	252	.80	.090	5	116	1.86	38	.14	<20	4.62	.23	.95	<2	1
PR07-04	1	286	51	189	1.2	27	20	1218	4.04	<2	14	<2	149	1.3	<3	<3	107	5.29	.113	5	60	1.41	67	.07	<20	2.12	.04	.13	<2	2
PR07-05	<1	876	2383	1951	5.7	39	15	2130	3.90	4	<8	<2	171	41.7	<3	<3	59	14.44	.101	5	74	1.89	175	.03	<20	2.30	.01	.15	<2	3
PR07-06	2	7421	>10000	>10000	73.9	20	24	2229	4.43	<2	12	<2	227	411.5	5	<3	36	12.94	.083	4	71	1.58	16	.03	<20	2.14	.01	.16	<2	1
PR07-07	3	1150	4466	4440	8.5	56	21	1524	2.90	27	<8	<2	64	85.9	<3	<3	144	6.93	.143	4	75	.44	29	.15	<20	1.39	.03	.08	<2	1
PR07-08	5	271	28	134	1.2	62	18	580	4.17	46	<8	<2	32	3.0	<3	<3	112	1.66	.116	4	65	.79	30	.15	<20	1.31	.13	.56	<2	1
PR07-09	4	130	1941	1905	2.9	16	20	4020	6.52	29	11	<2	224	15.4	<3	<3	79	10.22	.060	4	30	2.57	102	<0.01	<20	3.19	.01	.17	<2	1
PR07-10	<1	49	21	86	<0.3	6	13	704	3.81	4	<8	<2	80	<0.5	<3	<3	80	1.08	.117	5	29	1.11	53	.18	<20	2.25	.25	.24	<2	1
PR07-11	2	46	12	63	<0.3	6	24	522	4.69	<2	<8	<2	254	<0.5	<3	<3	138	1.66	.275	7	19	.98	71	.12	<20	2.59	.35	.26	<2	1
PR07-12	3	61	87	95	0.4	11	17	637	5.18	3	<8	<2	218	1.0	<3	<3	115	1.68	.104	4	40	1.29	99	.07	<20	3.47	.45	.06	<2	8
PR07-13	1	102	>10000	6848	26.6	42	32	2018	3.60	<2	<8	<2	150	47.6	<3	46	72	5.61	.141	3	92	1.62	9	.07	<20	2.08	.01	.02	<2	3

Blank

ME07-DC17	3	56	6	441	.3	5	13	390	3.35	2	8	2	64	3.9	3	3	98	1.01	.154	9	45	1.00	600	.26	20	1.68	.08	.26	2	7

Duplicate - Loring

Sample	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
No.	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
ME-KM20	10	185	689	>10000	8	14	58	271	6.09	2540	<1	<1	5	300	144	6	22	0.03	<0.01	1	34	0.08	71	0.01	9	0.44	0.03	0.29	<1	226

"Assay Analysis" - Loring

Sample				Zn
No.				%
ME-KM20				3.81

PIONEER LABORATORIES INC. #103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5 TELEPHONE (604)231-8165

GEOCHEMICAL ANALYSIS CERTIFICATE

SATURN MINERALS INC.
Project: ME PROJECT 2007
Sample Type: Rocks

Multi-element ICP Analysis - .500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm.
*Au Analysis- 20 gram sample is digested with aqua regia, MIBK extracted, and is finished by AA or graphite furnace AA.

Analyst R. [signature]
Report No. 2070765
Date: August 14, 2007

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
1E07-DC01	4	66	15	139	.3	26	15	599	3.96	20	8	ND	2	146	.5	4	4	77	2.73	.112	8	45	.95	105	.15	20	1.40	.05	.33	2	1
1E07-DC02	7	97	9	301	.3	39	11	735	5.66	65	8	ND	2	83	1.2	4	3	77	7.54	.131	6	38	4.19	46	.19	20	2.65	.02	.28	2	2
1E07-DC03	3	133	8	59	.3	33	23	398	3.73	8	8	ND	2	67	.5	3	3	96	1.08	.140	8	66	1.02	464	.25	20	1.67	.06	.21	2	2
1E07-DC04	20	1388	28	17	2.0	152	144	133	26.54	15	8	ND	4	12	.5	3	3	7	.46	.072	3	29	.30	8	.03	20	.42	.02	.03	2	10
1E07-DC05	1	999	47	>10000	1.4	9	68	456	33.90	43	8	ND	4	4	95.7	3	16	4	.06	.008	1	12	.26	7	.01	20	.23	.01	.07	2	16
1E07-DC07	3	218	8	110	.3	44	27	1359	5.78	19	8	ND	2	58	1.5	3	8	52	2.86	.075	11	40	1.12	130	.16	20	1.24	.04	.14	2	2
1E07-DC08	6	148	98	181	.3	18	1	264	21.39	90	8	ND	4	5	.9	3	10	48	.10	.033	3	86	.56	32	.09	20	.82	.01	.25	6	10
1E07-DC09	7	887	12	26	2.9	91	29	249	7.54	72	9	ND	3	7	.5	4	270	100	.23	.068	2	418	1.88	23	.09	20	1.54	.02	.57	>100	12
1E07-DC10	4	2166	23	5625	9.0	83	59	367	13.05	30	8	ND	2	9	40.4	3	22	22	.31	.069	1	20	2.76	5	.02	20	1.63	.01	.03	15	16
1E07-DC11	6	106	24	81	.8	107	6	1804	11.93	158	8	ND	3	39	1.2	3	17	74	.62	.071	3	190	2.98	19	.12	20	2.38	.01	2.05	22	13
IE07-DC12	2	1564	27	>10000	8.3	38	16	755	6.60	20	8	ND	2	27	130.1	8	13	19	1.16	.045	1	41	1.46	10	.04	20	1.09	.02	.44	6	12
IE07-DC14	12	279	20	243	.4	7	2	848	1.14	7	8	ND	2	34	4.2	4	4	10	2.05	.017	1	115	.75	3	.01	20	.49	.03	.01	2	5
IE07-DC15	2	3585	31	70	10.1	108	192	124	38.06	119	8	ND	5	4	1.2	3	52	4	.11	.003	1	33	.10	5	.01	20	.09	.01	.06	2	160
IE07-DC16	4	2215	36	>10000	20.8	6	31	636	17.82	24	8	ND	3	10	1781.4	3	56	9	.28	.025	3	36	.31	11	.01	20	.39	.04	.16	2	195
IE07-DC17	3	56	6	441	.3	5	13	390	3.35	2	8	ND	2	64	3.9	3	3	98	1.01	.154	9	45	1.00	600	.26	20	1.68	.08	.26	2	7
IE07-KM01	2	24	14	66	.3	49	5	1465	5.14	58	8	ND	2	14	.5	3	4	63	.13	.100	8	161	1.81	35	.01	20	2.13	.01	.18	2	3
IE07-KM02	3	65	32	58	.8	35	7	378	4.13	60	8	ND	3	54	.5	3	15	28	.07	.046	7	94	.25	109	.01	20	1.27	.01	.21	2	35
IE07-KM03	27	36	20	68	.4	37	3	318	3.55	79	8	ND	2	35	.5	3	9	17	.05	.036	4	97	.58	171	.01	20	.97	.01	.22	2	3
IE07-KM04	18	99	271	145	.6	93	4	238	14.36	288	8	ND	7	115	2.7	33	47	31	.33	.145	15	89	.06	159	.01	20	.69	.01	.29	3	120
IE07-KM05	6	293	31	45	.8	18	12	469	2.32	21	8	ND	4	12	.5	3	3	20	.09	.019	5	74	.39	65	.02	20	1.09	.01	.25	3	8
IE07-KM06	19	51	179	24	2.2	13	2	45	2.08	177	8	ND	2	11	.5	4	10	11	.01	.011	3	126	.01	96	.01	20	.17	.01	.07	2	46
IE07-KM07	15	168	26	1086	.4	117	16	123	1.52	371	8	ND	4	7	1.5	9	11	6	.05	.037	7	80	.15	58	.01	20	.49	.01	.19	2	23
IE07-KM08	14	276	1956	1474	7.9	55	5	638	7.69	>10000	8	3	4	237	25.4	36	11	13	.31	.154	4	57	.62	47	.01	20	1.88	.01	.18	2	3230
E07-KM09	19	32	668	2497	5.5	19	5	119	3.81	158	8	ND	5	20	46.4	7	8	2	.07	.024	2	47	.06	47	.01	20	.40	.02	.28	2	70
E07-KM10	28	110	432	48	4.5	2	2	531	4.10	149	8	ND	7	15	.5	4	8	3	.09	.036	4	67	.40	58	.01	20	.93	.01	.21	2	16
E07-KM11	23	527	109	131	3.6	88	11	590	11.72	737	8	ND	5	466	1.7	3	3	13	.53	.291	3	56	.72	31	.01	20	1.71	.01	.16	2	175
E07-KM12	42	31	29	165	.3	57	5	400	2.29	51	8	ND	2	148	1.0	3	3	98	2.64	.094	9	72	.39	82	.01	20	.68	.04	.10	2	21
E07-KM13	6	10	141	51	2.7	2	1	22	2.64	76	8	ND	2	5	.5	3	8	1	.03	.001	2	58	.02	51	.01	20	.16	.01	.19	2	30
E07-KM14	6	153	253	268	2.5	57	17	32	6.24	306	8	ND	2	24	2.7	3	3	31	.48	.173	4	37	.06	13	.01	20	.48	.01	.26	2	175
E07-KM15	11	16	29	149	.3	22	5	243	1.53	170	8	ND	2	190	1.1	3	3	13	1.44	.035	2	116	.17	134	.01	20	.31	.01	.17	2	20

Pete - ME

EMENT MPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
07-KM16	1	56	30	338	.4	110	20	1035	9.21	243	8	ND	2	381	3.5	11	3	68	4.32	.095	3	93	2.93	34	.01	20	2.20	.01	.09	2	29
07-KM17	20	406	301	1370	4.9	18	14	873	8.28	162	8	ND	3	14	15.4	3	16	84	.20	.069	3	48	.69	27	.01	20	1.06	.01	.18	4	32
07-KM18	7	32	6	546	.4	31	5	2815	3.03	51	8	ND	2	691	6.5	3	3	80	18.49	.198	16	35	.81	103	.01	20	.74	.01	.08	2	2
07-KM19	12	50	12	296	.3	41	8	515	3.77	17	8	ND	2	222	3.4	3	3	45	4.03	.112	8	42	.84	86	.01	20	.94	.02	.16	2	5
07-KM20	23	354	855	>10000	15.5	25	19	493	10.94	4865	8	ND	5	3	545.2	149	9	2	.01	.003	2	49	.07	16	.01	20	.27	.01	.16	2	425
07-KM20A	6	61	18	202	.3	46	17	655	3.98	35	10	ND	2	207	.9	5	3	43	2.91	.087	7	41	.73	93	.01	20	.95	.01	.23	2	30
07-KM21	7	45	433	51	3.9	3	2	524	1.81	48	8	ND	7	25	1.0	20	4	1	.06	.020	4	45	.06	93	.01	20	.54	.01	.29	2	18
07-KM22	27	25	92	63	2.9	21	5	1194	2.05	189	8	ND	3	11	.5	9	3	3	.07	.021	3	67	.10	58	.01	20	.40	.01	.24	2	90
07-KM23	4	34	110	239	1.6	6	2	607	3.61	62	8	ND	4	54	2.2	3	3	28	1.05	.051	2	63	.87	63	.01	20	2.11	.20	.13	2	16
07-KM24	22	362	161	415	1.8	30	17	496	5.02	31	8	ND	2	20	4.6	3	3	71	.33	.088	4	105	1.45	21	.05	20	1.44	.05	.30	2	10
07-KM24A	22	407	34	118	1.4	23	24	578	5.78	44	8	ND	3	29	1.0	4	3	80	.43	.101	6	75	1.69	25	.06	20	1.79	.05	.28	2	7
07-KM25	5	379	58	293	1.3	21	13	418	4.72	11	8	ND	2	28	3.1	3	3	73	.42	.101	6	83	1.33	27	.06	20	1.40	.06	.39	2	9
07-KM26	24	39	818	209	10.2	8	2	93	2.36	167	8	ND	5	11	3.4	7	10	5	.05	.029	5	76	.12	98	.01	20	.36	.01	.30	2	10
07-KM27	3	357	33	114	1.0	7	10	777	4.17	56	8	ND	2	35	1.2	5	3	89	.50	.134	5	37	1.29	17	.06	20	1.49	.12	.19	2	12
07-KM28	18	473	320	420	3.0	49	11	695	3.88	7	8	ND	3	27	4.9	4	4	62	.58	.058	4	120	1.66	38	.03	20	1.51	.02	.13	2	2
07-RR01	1	17	10	150	.3	4	15	1292	4.36	2	8	ND	3	76	.9	3	3	61	1.43	.131	16	11	1.53	81	.09	20	2.35	.03	.14	2	1
07-RR02	5	105	13	61	.3	158	39	429	4.68	2888	8	ND	3	29	.5	15	9	120	.27	.084	5	220	2.38	50	.05	20	2.29	.04	.13	2	240
07-RR03	3	100	5	67	.3	213	22	1196	3.88	538	8	ND	3	16	.5	11	3	95	.25	.079	7	251	2.57	60	.08	20	2.26	.01	.14	2	7
07-RR04	5	83	57	1082	.4	161	11	430	3.56	159	8	ND	2	11	7.8	6	6	62	.11	.058	6	229	2.53	56	.01	20	2.03	.01	.12	2	12
07-RR05	14	166	44	309	1.0	94	32	9156	14.60	215	8	ND	2	208	3.7	8	3	106	.48	.256	9	213	1.71	75	.02	20	4.02	.01	.25	2	46
07-RR06	23	123	71	47	2.9	18	5	106	2.84	159	8	ND	2	18	.5	5	10	16	.01	.026	7	133	.02	1542	.01	20	.25	.01	.17	2	23
07-RR07	8	173	7	31	.4	9	9	182	2.61	5	8	ND	2	31	.5	3	4	38	.34	.025	3	110	.27	35	.05	20	.71	.07	.07	2	4
07-RR08	4	6	66	36	1.6	14	1	925	5.48	126	8	ND	2	1493	1.0	6	3	19	13.65	.016	1	34	6.35	95	.01	20	.62	.01	.10	2	42
07-RR09	41	72	19	241	.3	131	19	598	4.93	53	8	ND	3	364	2.7	8	3	63	6.22	.095	7	36	.88	63	.01	20	1.15	.01	.20	2	8
07-RR10	4	22	301	2159	1.3	6	4	2225	1.94	139	11	ND	7	8	17.3	144	8	3	.13	.033	10	26	.08	57	.01	20	.45	.01	.35	2	57
07-RR10A	6	3	89	22	1.6	1	1	41	1.49	102	8	ND	3	4	.5	3	9	1	.01	.002	6	73	.01	53	.01	20	.25	.01	.27	2	47
07-RR11	29	61	16	579	.6	97	13	603	4.17	37	8	ND	3	321	4.0	6	8	79	5.71	.090	7	37	1.14	100	.01	20	1.11	.01	.22	2	5
07-RR12	24	1352	12	44	1.3	219	45	220	27.39	36	8	ND	4	22	.9	4	34	76	.27	.053	3	42	.62	22	.02	20	.87	.05	.09	19	760
07-RR13	8	44	16	239	.4	42	11	274	3.65	28	8	ND	2	40	4.4	5	3	61	.44	.170	13	56	.92	98	.03	20	1.15	.01	.18	2	1
07-RR14	12	46	15	229	.3	48	12	432	3.56	20	8	ND	3	284	2.2	3	4	60	3.91	.123	9	51	.96	139	.01	20	1.19	.01	.26	2	1

For Zn greater than 10,000 ppm, assay digestion is required for correct data.