

**GEOLOGICAL AND GEOPHYSICAL
TECHNICAL ASSESSMENT REPORT**



on the

CENTURY LIMESTONE PROPERTY

ALBERNI MINING DIVISION

N.T.S.: 092E/15 and 092E/16

**Latitude 49° 52' 12" North; Longitude. 126° 29' 24"
U.T.M. (N.A.D. 27) 681248 E.; 5515851 N.; Zone 10**

DATE STARTED: MAY 30, 2005

DATE COMPLETED: DECEMBER 7, 2005

OWNER/OPERATOR: DOUBELSTAR RESOURCES LTD.

AUTHOR: Paul D. Gray, P.Geo.

SUBMITTED: VANCOUVER, BC

DATE: May 19, 2006

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

28,386



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1.0 SUMMARY

The Century Limestone property is a potentially large tonnage, relatively untested, limestone deposit located on tidewater off Tlupana Inlet, northern Nootka Sound on the West Coast of Vancouver Island, British Columbia. The project is owned 100% by Doublestar Resources Ltd., whom is also the operator. Two distinct limestone deposits have been identified by Doublestar within the claim boundaries, the Century Limestone Project on the east (Tlupana Inlet), and the BCD Limestone project on the west (Hisnit Inlet). This reports details and documents the results and interpretations from Doublestar's Geological and Geophysical evaluation of these deposits, conducted over 4 separate programs from May – December 2005.

The property evaluation program collected a total 475 rock chip samples from the Century and BCD projects. The CENTURY (321 Limestone samples and 16 mafic dyke samples) and the BCD claims (138 Limestone samples). These samples were collected on a grid with stations at 50 metre spacing, East-West and North-South. Sampling the limestone deposit in this fashion was deemed necessary to gain unbiased information on the quality, grade, extent and continuity of the limestone. The bulk of the geological sampling was conducted on the Century Project because it affords the easiest tidewater access. The average results of all 321 Limestone samples sampled within the Century Project are presented in Table 1.

Table 1. Average Whole Rock Analyses from the 321 CENTURY Project Limestone Samples

SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
0.78	0.01	0.11	0.11	0.02	4.29	50.46	0.02	0.02	0.01	0.01	43.86	99.70

These results, coupled with a suite of additional geophysical, physical and chemical testing indicate a potentially economic limestone deposit on tidewater on the West Coast of Vancouver Island.

Once the results presented above were reviewed, the project was flown for new airphotos and topographic basemap control. Subsequently in December of 2005, a geophysical (Magnetometer) study of the Century deposit was conducted. The geophysical program consisted of 4.4 line kilometers of magnetometer survey, was designed to test the number and spacing of a series of mafic dykes noted during project sampling as well as to indicate a potential depth of limestone. The results of this program indicate the mafic dykes present on the property are spaced sufficiently far apart (~50 metres) so as to not preclude quarrying operations. The magnetometer study also indicated a possible depth of the deposit and helped constrain the attitude of bedding within the limestone on the property.

All field work was conducted under the guidance of the author, Paul D. Gray, P.Geo. Reports prepared by several independent contractors are included as appendices within this report, specifically, these include 1) Frontier Geoscience Magnetometer Study, Century Limestone Deposit; 2) Process Research Associate's Bond Work and Chemical Study; 3) Global Discovery Labs Whole Rock Analyses reports; and 4) Topographic basemap work from 2005 airphoto interpretation as produced by Eagle Mapping Inc.

Results from the 2005 Limestone Evaluation Program indicate the Century Limestone property hosts a potentially large tonnage limestone deposit of sufficient grade and quality to justify additional exploration work which includes geological and geophysical testing as well as diamond drilling.

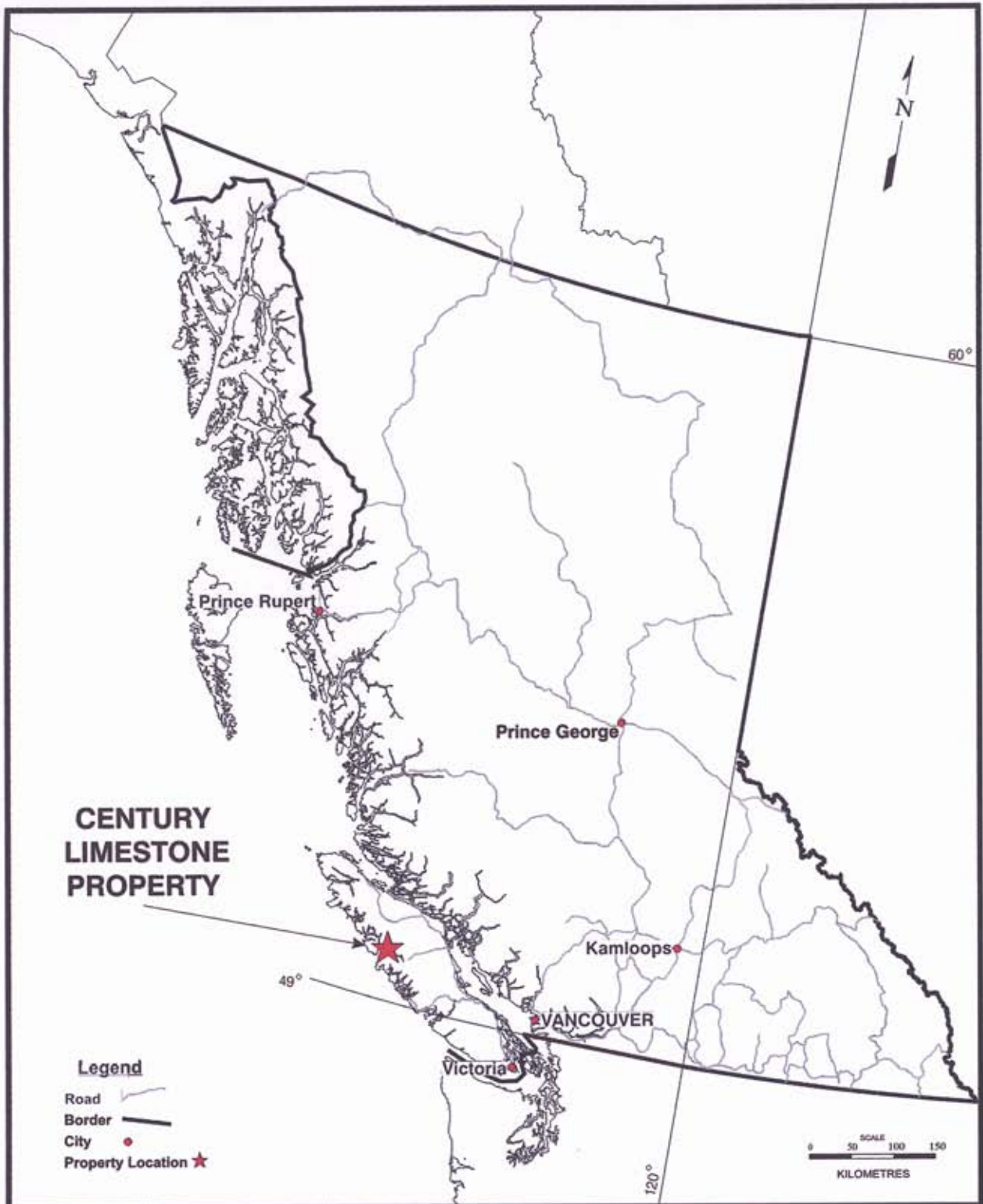
2.0 INTRODUCTION

2.1 LOCATION AND ACCESS

The Century Limestone property is located in Southwestern British Columbia, at tidewater, within Nootka Sound, Tlupana to Hisnit Inlets, on the extreme west coast of central Vancouver Island. The property lies approximately 40 kilometres southeast of Tahsis, British Columbia (Figures 1 and 2). N.T.S. map sheets 092E/15 and 092E/16 cover the project area, with the property centre at approximately 49° 52' 12" North latitude, and 126° 29' 24" West longitude (U.T.M. Zone 10 coordinates 681248 E.; 5515851 N; N.A.D. 83 datum).

Vehicular access to the property and area is afforded by a network of well maintained logging roads (INTERFOR and Western Forest Products). The main area access is the B.C. Highway Gold River – Tahsis road. The property itself can be reached by turning onto the Hisnit Main logging road at Head Bay (approximately 30 kilometers south of Tahsis). Approximately 7 kilometres up the Hisnit Main lies the project centre (See Figure 3). At kilometre 11, on the Hisnit Main lies the BCD property, which is traversed by a steep, switchbacked tributary logging road (Figure #3). Several deactivated and overgrown logging roads allow for trail like access across the Century property.

Food, fuel and accommodations are all readily available at Tahsis (Population ~ 500) or Gold River (Population ~ 2500). Both centres have deep water ports and are connected by three phase power transmission lines. These power lines pass within five kilometres of the Century project.



**CENTURY
LIMESTONE
PROPERTY**

Legend

- Road 
- Border 
- City 
- Property Location 

DOUBLESTAR RESOURCES LTD.
Century Project Assessment Report 2005

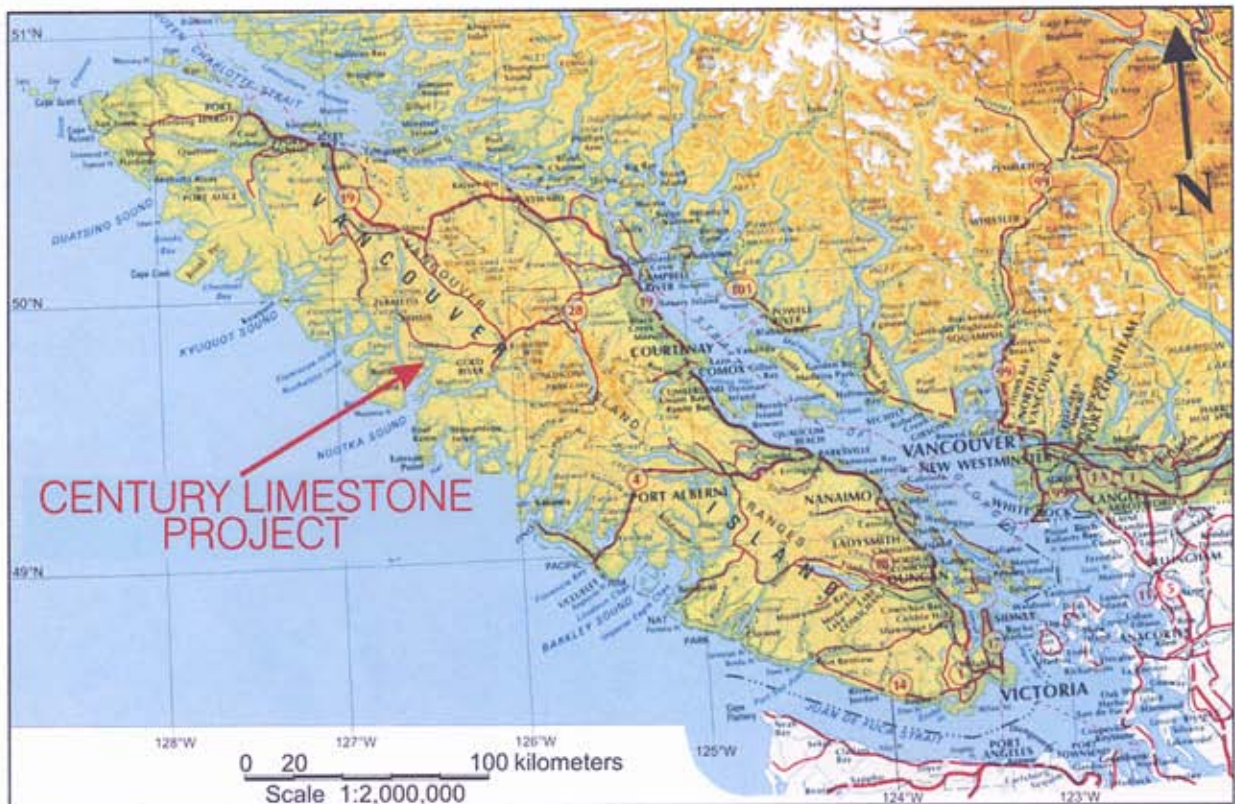
TITLE
 Century Limestone Project - Property Location

P. D. GRAY
 #29873
 BRITISH COLUMBIA
 GEO SCIENTIST

FILENAME:
 CENLOC.CDR

PROJECT NUMBER

DRAWING NUMBER
 1



DOUBLESTAR RESOURCES LTD.
Century Project Assessment Report 2005

TITLE
 Century Limestone Project - Property Location



FILENAME:
 CENCLOC2.CDR

PROJECT NUMBER

DRAWING NUMBER

2

2.2 CLIMATE, TOPOGRAPHY AND VEGETATION

The Hisnit peninsula of the Century Limestone Project is a rugged, heavily forested peninsula approximately 4 km wide and 6 km long with tide water access on each side. Historically and recently, significant areas of forest land have been harvested within the property boundaries and nearby areas, active logging will continue on the property in 2006 by Interfor. Property elevations range from sea level (0 metres) to 750 metres above sea level, with the Century side of the property peaking at 550 metres, and the BCD 750 metres.

The climate of the region can be classified as West Coast Marine, with mild but wet winter seasons and cool drier summers. Annual precipitation (snow) over 50 cm is normal, as well as significant rainfall. Due to the proximity of the project to tidewater, snowfalls are not considered to be severe. Temperatures may range from -15.0°C to $+30^{\circ}\text{C}$.

2.3 OWNERSHIP AND CLAIM STATUS

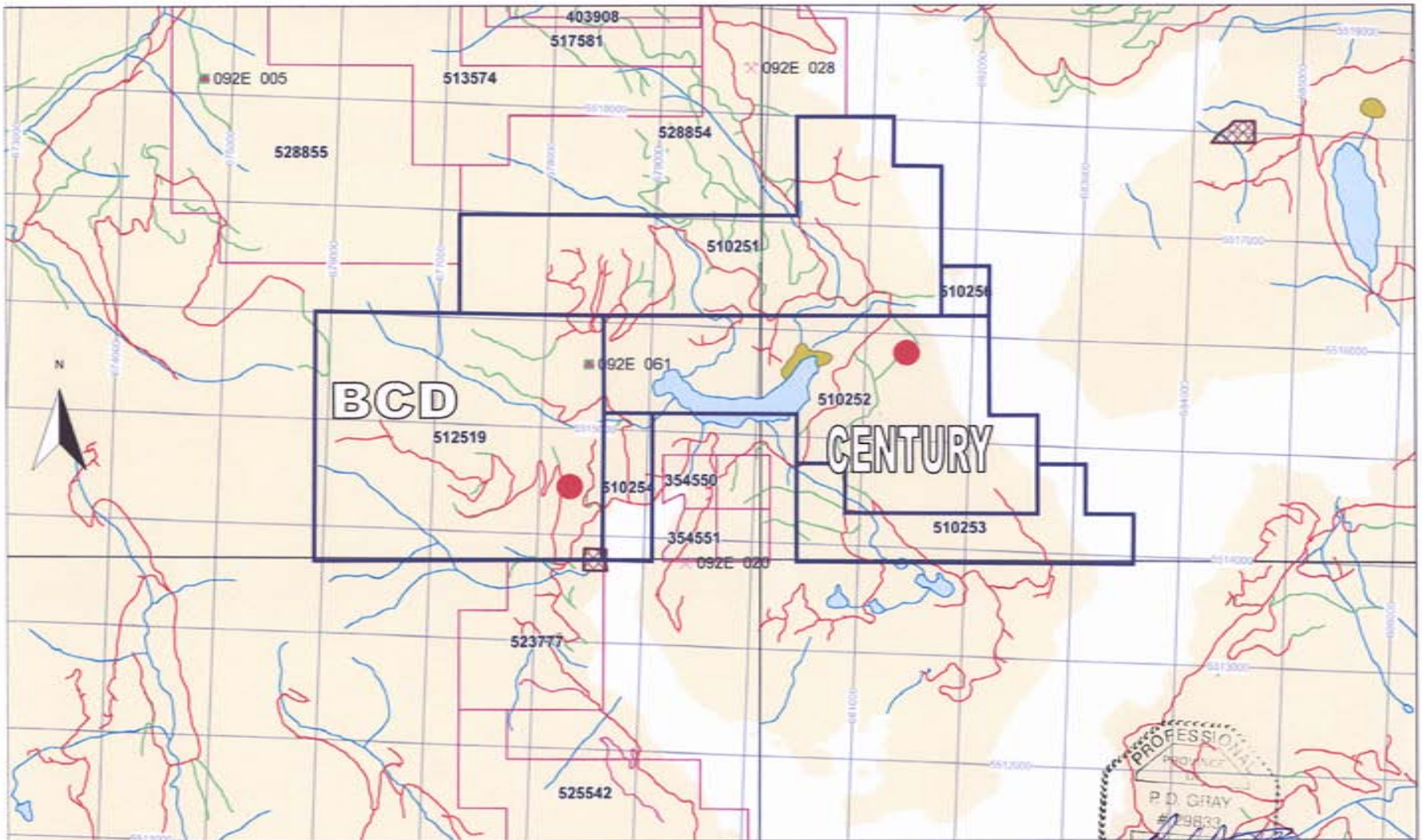
The Century Limestone Property is owned 100% by Doublestar Resources Ltd. Doublestar completed the acquisition of a 100% interest in the property September 2005 in exchange for 210,000 Class "A" shares, a production royalty between 0.85% and 1.5%, and annual advance royalty payments of \$10,000. If production is not begun and the property is sold by Doublestar within four years of the agreement, the proceeds of the sale minus Doublestar's exploration costs would be split evenly between Doublestar and the vendors. Subsequent to this purchase, Doublestar added mineral claims to the package.

The property consists of six (6) MTO staked and/or converted mineral claims which in total, occupy and area of approximately 1,940.863 hectares (See Table 1 and Figure 3).

Table 2: Century Limestone Project Mineral Claim and Lease Tenure Status

<u>Tenure Number</u>	<u>Claim Name</u>	<u>Owner</u>	<u>Map Number</u>	<u>Good To Date</u> *	<u>Area</u>
510251	INLET	139464 100%	092E	2012/SEP/01	521.605
510252	INLET 2	139464 100%	092E	2012/SEP/01	521.758
510253	INLET 3	139464 100%	092E	2012/SEP/01	187.881
510254	INLET 4	139464 100%	092E	2012/SEP/01	62.618
510256	INLET 5	139464 100%	092E	2012/SEP/01	20.866
512519	BCD	139464 100%	092E	2012/SEP/01	626.135

* (These expiry dates are based on the acceptance of this report for assessment work credits)



PROFESSIONAL
 P. D. GRAY
 #19833
 SCIENTIST

- Indian Reserves
- ⊗ Developed Prospect MINFILE #
- Prospect MINFILE #
- Showing MINFILE #
- Mineral Claims Boundaries and Numbers
- Roads
- Lakes
- Lakes
- Rivers
- Locations of 2005 Exploration Work

DOUBLESTAR RESOURCES LTD. Century Project Assessment Report 2005		TITLE Century Limestone Mineral Claims Locations
DRAWING NUMBER 3	FILENAME: CENMT2.CDR	SCALE 1 : 50,000 KILOMETERS

2.4 EXPLORATION HISTORY

Limited limestone exploration has been conducted on the property to date. At the turn of the last century, small marble and limestone quarries were operated but not in any substantial amounts. A contemporary marble operation lies just to the south of the Century Limestone Property..

Skarnified contacts of local intrusions and Quatsino formation limestone have been prospected and worked for Cu, Au, and Ag. Several showings and workings are located to the north and west of the Century Claim Group which were explored for gold throughout the last century via adits and open cuts (likely because of the property's proximity to the historic mining centre of Zeballos).

Four known B.C. MINFILE occurrences are located within (or very close to) the Century Limestone property boundaries; 092E028, 092E020, 092E005, and 092E061 (See Figure 3).

BC MINFILE 092E20 reports:

A deposit of recrystallized limestone at the head of Hisnet Inlet, a northwestward extension of Tlupana Inlet, was quarried for marble by Nootka Quarries Ltd. between 1908 and 1909, but no production figures are available. This occurrence is situated near the southeast end of a band of limestone of the Upper Triassic Quatsino Formation (Vancouver Group), extending northwest from Tlupana Inlet to Tahsis Inlet. The band continues for more than 1600 metres eastward from Hisnet Inlet. The limestone in this vicinity is more than 300 metres thick. Bedding strikes 060 to 080 degrees. A 3.5-kilometre wide stock of granodiorite of the Jurassic Island Intrusions intrudes the limestone a kilometre southeast of the quarry site.

The deposit is comprised of medium to coarse grained, white to light grey limestone (marble), occasionally containing some dolomitic bands. At the quarry site the limestone is intruded by basaltic dykes that make up to 55 per cent of the rock. Two samples of limestone from the quarry averaged 54.18% CaO, 0.78% MgO, 0.68% insolubles, 0.028% Al₂O₃, 0.095% Fe₂O₃ and 0.013% sulphur (Canada Bureau of Mines Report 452, pages 167, 168, Samples 1424, 1425).

EMPR AR 1906-184; 1908-24,144; 1911-208; 1916-359

EMPR FIELDWORK 1986, pp. 329-332

EMPR INF CIRC 1988-6, pp. 23,29; 1992-18, pp. 31, 36; 2000-1, p. 11

GSC MAP 1537A

GSC OF 463, Sheet 2

GSC P 80-16, pp. 11,12

GSC SUM RPT 1920A, p. 21

CANMET RPT 452, Vol.5, pp. 163-171; 811, Part 5, pp. 138-140

And BC MINFILE 092E61 reports:

At the Tlupana Arm occurrence northwest trending, Upper Triassic Vancouver Group, Quatsino Formation limestones and dolomites are exposed for over 1.5 kilometres along Deserted Creek. The Quatsino Formation hosts granitic plugs, dykes and stocks of the Jurassic Island Plutonic Suite.

About one kilometre southeast of a limestone quarry (Hisnit Inlet - 092E 020) on Deserted Creek are hard, dolomitic bands which contain numerous scattered "spots" up to 5 millimetres in diameter. The spots contain crystals or crystalline aggregates which appear dark on fresh surface. The material is more soluble than the host rock and weathers to a white fibrous residue which is left in cavities or pits on the dolomite surface (Open File 1987-13, page 51).

Gouge (1944) interprets the material to be brucite which is a common component in contact metamorphosed dolomites and which may be fibrous with anomalous birefringence in thin section. Parks (1917) reports similar characteristics for the Tlupana Arm mineral.

EMPR OF 1987-13, p. 51

GSC MAP 1537A

GSC MEM 272, p. 49

GSC OF 463

GSC P 80-16

CANMET RPT #811, Vol. IV, pp. 13-140; #452, Vol. V, pp. 162-169

Carson, D.J.T., (1968): Metallogenic Study of Vancouver Island with emphasis on the Relationship of Plutonic Rocks to Mineral Deposits, Ph.D. Thesis, Carleton University, Ottawa

3.0 GEOLOGY AND MINERALIZATION

3.1 GENERAL REGIONAL GEOLOGY

The Century Limestone property is hosted within sedimentary and volcanic rocks of the Late to Middle Triassic Vancouver Group (Quatsino Limestone and Karmutsen volcanics and Parson's Bay sediments). These lithologies are in fault contact with diorites of the Crystalline Westcoast Complex, all lithologies are intruded by the Eocene Catface Intrusions (Figures 4, 5, and 6).

The most recent description of the regional geology of the Century Limestone area is presented by Nixon et al. (1994; 1997; 2000; 2006). The following summary is taken predominantly from Nixon et al.'s maps, papers and references. Figure 4 shows the bedrock geology of Vancouver Island.

Vancouver Island encompasses Upper Paleozoic to Lower Mesozoic rocks of Wrangellia – a tectonostratigraphic terrane that occurs intermittently northward as far as central Alaska. In the Late Carboniferous, this terrane was accreted to the Alexander Terrane forming the Insular Superterrane. Subsequently, this superterrane was rafted to North America sometime from the Middle Jurassic to the mid-Cretaceous (DeBari et al., 1999).

The pre-accretion history of Wrangellia is represented by the Paleozoic Sicker Group and the Middle Triassic Karmutsen Formation of the Vancouver Group. The Devonian to Early Permian Sicker Group is made up of marine volcanic and sedimentary rocks that host known VMS deposits such as at Myra Falls. The Karmutsen conformably overlies the Sicker Group and comprises basaltic and minor sedimentary rocks that underlie parts of Northern Vancouver Island. The Karmutsen unit can be up to 6000 metres thick. (DeBari et al., 1999). The Quatsino limestone Formation conformably overlies the Karmutsen.

The Bonanza Arc (DeBari et al., 1999) formed along the length of Vancouver Island during accretion of Wrangellia and is represented by the Bonanza volcanics. Later tectonic tilting preserved the Westcoast Crystalline Complex, Island Intrusions and the Bonanza Group volcanic rocks (Nixon et al., 1994).

Geological sketch map of Vancouver Island.

Century Limestone Property



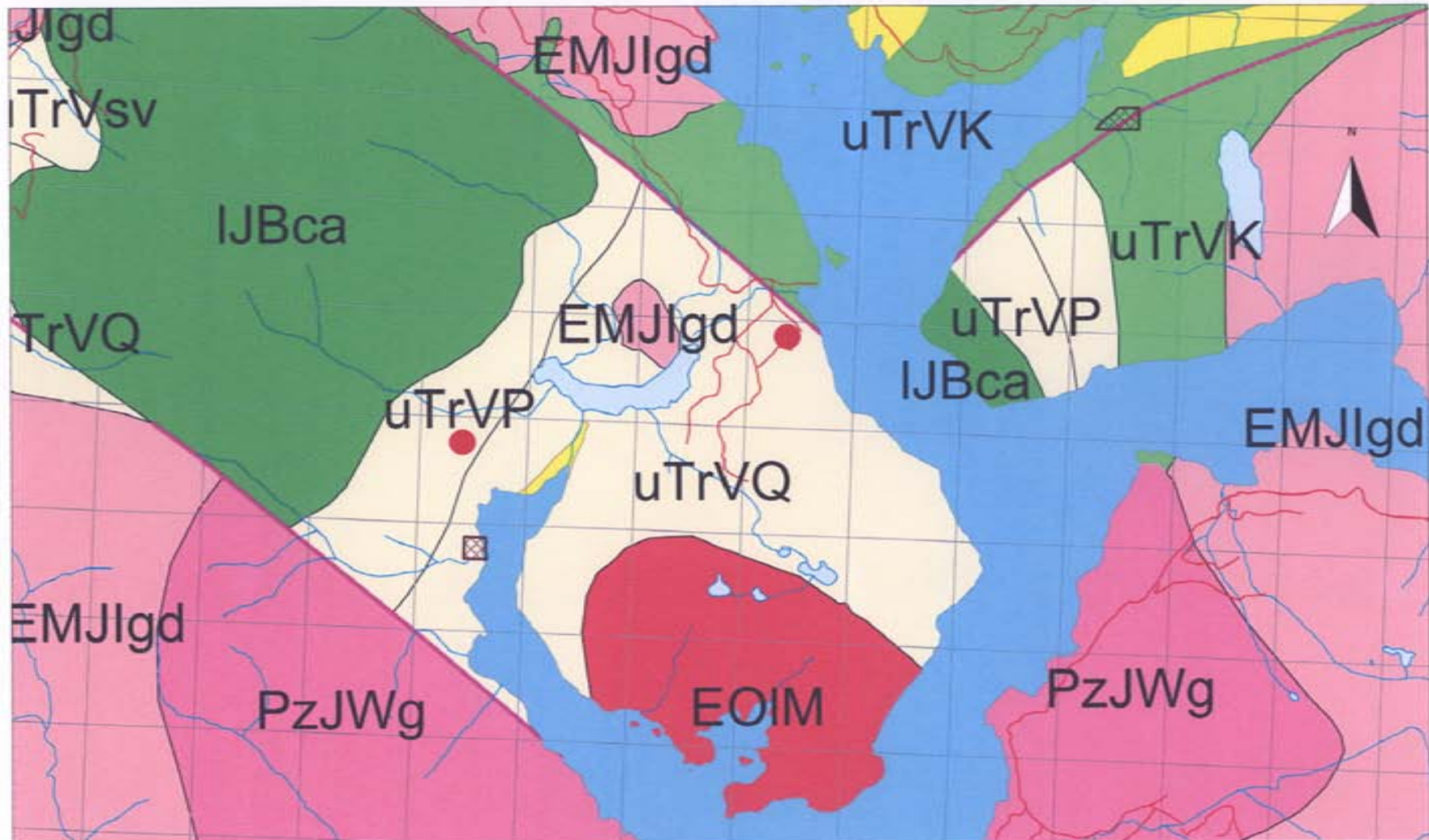
LEGEND

- CARMANAH GROUP MIDDLE TERTIARY
- CATFACE INTRUSIONS EARLY TO MIDDLE TERTIARY
- WEICHOSSIN VOLCANICS EARLY TERTIARY
- NANAIMO GROUP LATE CRETACEOUS
- QUEEN CHARLOTTE GROUP KYUDOOT GROUP LATE JURASSIC TO EARLY CRETACEOUS
- LEECH RIVER FORMATION PACIFIC RIM COMPLEX EARLY CRETACEOUS
- ISLAND INTRUSIONS EARLY AND ITS MIDDLE JURASSIC
- EDWARDS GROUP EARLY JURASSIC
- VANCOUVER GROUP LATE AND (?) MIDDLE TRIASSIC
- PARSON BAY FORMATION QUATSINO FORMATION LATE AND (?) MIDDLE TRIASSIC
- KARMUTSEN FORMATION LATE AND (?) MIDDLE TRIASSIC
- SICKER GROUP PALEOZOIC
- METAMORPHIC COMPLEXES JURASSIC AND OLDER
- BUTTLE LAKE, WESTIN RESOURCES LTD.
- BUTTLE LAKE UPLIFT
- COWICHAN-HORNE LAKE UPLIFT
- NANOOSE UPLIFT



(AFTER MULLER, 1981)

	DOUBLESTAR RESOURCES LTD.		TITLE	
	Century Project Assessment Report 2005		Century Limestone Project - Regional Geology	
	FILENAME:	PROJECT NUMBER	DRAWING NUMBER	
	CFRG.CDR		4	



- Indian Reserves
- Developed Prospect MINFILE #
- Prospect MINFILE #
- Showing MINFILE #
- Mineral Claims Boundaries and Numbers
- Roads
- Lakes
- Lakes
- Rivers
- Locations of 2005 Exploration Work

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> Contact Fault | <p><i>Eocret</i></p> <ul style="list-style-type: none"> Cadzoo intrusions Early-Middle Jurassic Island Plutonic Suite West Coast Crystalline Complex | <p><i>Late Triassic-Middle Jurassic</i></p> <ul style="list-style-type: none"> Parson Bay Formation <p><i>Vancouver Group</i></p> <ul style="list-style-type: none"> Quatsino Formation Kamuzen Formation <p><i>Quaternary and Later</i></p> <ul style="list-style-type: none"> Alluvial Material |
|--|--|---|

DOUBLESTAR RESOURCES LTD. Century Project Assessment Report 2005		TITLE Century Limestone Area General Geology
DRAWING NUMBER 5	FILENAME: CENGEO2.CDR	SCALE 1:50,000 KILOMETERS # 29833

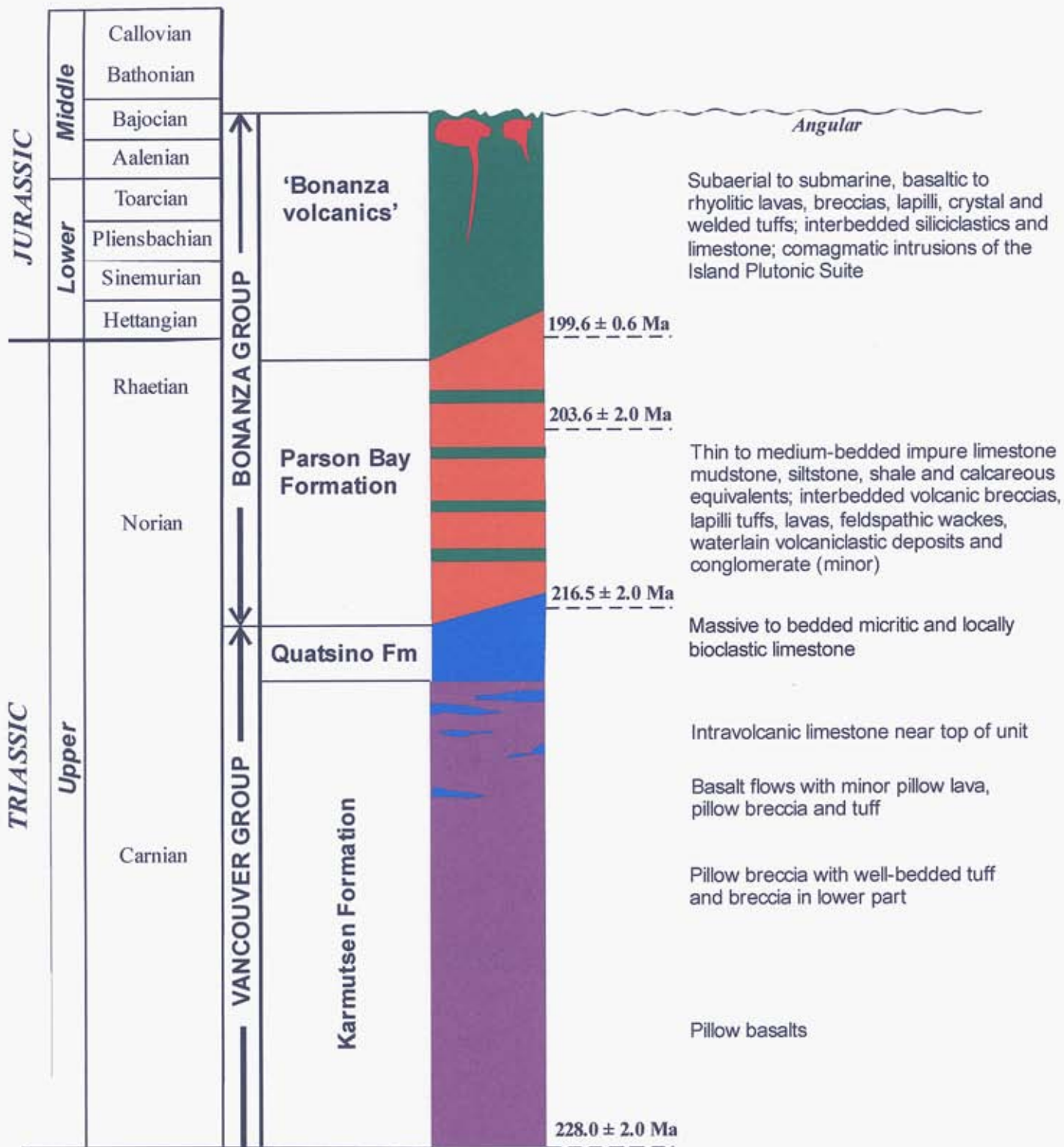


Figure 6: Stratigraphic section for the Triassic-Jurassic Lithostratigraphic units of Northern Vancouver Island. (Nixon et al., 2006)

3.2 LOCAL PROPERTY GEOLOGY

The Century Limestone property is defined by the Upper Triassic Vancouver Group, Quatsino Limestone. The limestone is in general, massive to thickly bedded and well marbleized. The colour and texture of the limestone are variable from bright white to dark grey, and from fine grained to coarse grained, respectively. The latter is apparently due to variable recrystallization (marbleization). In general the texture can be described as cryptocrystalline. The Quatsino formation here is moderately dipping at approximately 45 and strikes northwest – southeast across the project (this structure is mirrored in the Parsons Bay exposures to the south, which do not appear on the government maps; Figure 5).

The marbleized limestone weathers grey to buff, but on fresh surfaces are typically white. These limestones are occasionally streaked with thin discontinuous grey interbeds. Extremely limited sulphide contamination was noted, with pyrite and massive sulphide mineralization seen in only near the skarnified intrusive contacts (to the north and west). No evidence for widespread silica, alumina or iron contamination of the limestone is noted within the Quatsino Limestone here. (Nixon et al., 2006)

Late, fine grained mafic intrusive dykes of andesite to trachyte, are noted throughout the property cross cutting the Quatsino Limestone. The dykes are dark grey-green to black, pale green-grey-weathering rocks of aphanitic to porphyritic textures with euhedral to subhedral phenocrysts of plagioclase. Contact relationships are complex and difficult to see in outcrop, but where visible (the shoreline), suggest a multi-stage emplacement history. These intrusive units are of concern to the otherwise pristine limestone deposit. (Nixon et al., 2006).

A shoreline traverse on the property indicates that mafic dykes account for approximately 25 percent of the total rock volume (although at higher elevations on the property these

dykes appear much less frequently). The dykes are generally less than 3.0 meters wide and have well developed chilled margins which do not invade the limestone hostrock more than a 10 centimetres. These dykes tend to be preferentially orientated subparallel to the bedding. Differential weathering with the limestone forms resistant ridges of dyke material within the project area. Interestingly, the BCD area is defined by significantly less exposures of mafic dykes than the Century area.

3.3 STRUCTURE

A Northwest – Southeast structural grain is predominant within the project area. The Massive Quatsino bedding is typically difficult to measure on the limited well glaciated exposures the property offers. Roadcuts and drainages do afford structural measurable units. The Parson's Bay formations south of the limestone deposit are bedded on a much more fine scale and agree with the general 110° bedding attitude obtained over the Century area of the property.

The mafic dykes appear to follow bedding planes within the limestone. These zones of weakness may have offered channels for these intrusive units to impinge. The attitude of the limestone and mafic dykes was bolstered by the Magnetometer survey which indicated a general ~110° attitude for these dykes.

4.0 ECONOMIC GEOLOGY

4.1 Mineralization

The sulphide mineralization noted on the Century Limestone property is best described as isolated and restricted, within pods of Skarn-style massive sulphides (Pyrite, Chalcopyrite, Galena and rare sphalerite) mineralization at or near the contact margins of intrusive bodies. Small “sweat zones” or concretions of massive sulphide were also noted in very limited numbers proximal to basaltic dyke – Limestone contacts. Generally speaking, the limestone deposit is clean and clear of sulphide mineralization.

The Economic target of this project is the limestone itself. The 2005 program began the process of qualifying the location, size, structure and grades of this potentially economic target.

5.0 2005 WORK PROGRAM

5.1 SUMMARY

The 2005 Century Limestone exploration program was designed as a first pass characterization study of the Century Limestone Project. The program tested the physical and chemical properties of the limestone on the property and also concentrated on the geological and geophysical aspects of the lithologies present. The program was successful in outlining a potentially large tonnage, high-quality limestone deposit.

The evaluation program of the Century/BCD limestone projects was conducted in 4 distinct programs from May-December 2005. Program 1: May 30 –June 7, sampled and mapped the Century Deposit while prospecting the entire claim area (4 personnel). Program 2: June 20 - June 24, sampled and mapped the BCD claims (2 personnel); Program 3: November 14 – November 25 cut line in preparation for geophysical study (2 personnel); Program 4: December 5 – 7, Geophysical program conducted (3 personnel).

In May and June of 2005 Doublestar workers, under the guidance of the author, collected a total of 475 rock chip samples over the two (2) main areas of interest on the property, the CENTURY (321 Limestone samples and 16 mafic dyke samples) and the BCD claims (138 Limestone samples). These samples were collected on 50 metre E-W grid centres on N-S lines separated by 50 metres (See Figures 7 and 8). All samples were selections of freshest rock available (which necessitated the need for grubbing and digging in some cases). Careful notes were taken during the program about the type of rock sample, the proximity of any dykes, the texture/colour, and other related lithological/descriptive information. In addition, introductory geological mapping (lithology and structure) was performed on the grid (tabulated results from these programs are presented in Appendix A).

All limestone and mafic dyke samples were collected from surface exposures on the property at regularly spaced intervals. The samples were bagged and tagged in the field and after the respective programs, were submitted to Global Discovery Labs of Vancouver, B.C. for Whole Rock Analysis. These analyses were intended to give an indication of the quality of the limestone over the deposits. The average results of all 321 Limestone samples sampled within the Century Project are presented in Table 1.

A suite of 6 samples scattered over the CENTURY project were collected and combined as a single “representative” sample for the project. This sample included all the types of limestone (colour, texture, grain size, etc.) encountered during the programs on the Century Project. This sample was analyzed for Bond Work Index at Process Research Associates Labs (PRA). This sample was to be an initial test of the hardness and crush/grindability of the limestone. The results of the PRA test work are attached with a descriptive report in Appendix B.

A selection of 17 pulps (12 from the CENTURY PROJECT and 5 from the BCD Project) from the first pass Whole Rock Analyses were sent to PRA for Total Sulphur and Chloride analyses. These samples were selected randomly from each of the projects to be utilized as representative indications for the respective deposits. No problematic Sulphur or Chlorides were noted from this work. The results of this test work are attached as Appendix B.

In December 2005, Doublestar initiated a 4.4 line kilometer Magnetometer study on the Century Deposit with a view to determining the number, attitude, and size of the noted mafic dykes which traverse the property. Selective mining of the limestone was not desired, and the existence of these dykes in any amount indicated a possible “fatal flaw” in the project that required additional evaluation prior to diamond drilling. The magnetometer study was designed in a 2 phase approach, Phase I; a small 4.4 line kilometer test program over the centre of the limestone deposit to determine if the project

would respond to a magnetometer survey, and if results warranted, Phase II; a ten (10) line kilometre extension to the Phase I grid expanding the magnetometer coverage substantially. The study uncovered *“at least 4 separate lineaments...[whose] response types are those expected of relatively steeply dipping source bodies. These lineaments are almost certainly of different mineralogical composition than the surrounding rock type [limestone] and likely represent mafic dykes.”* (Appendix C) The survey was therefore successful in that it identified the location and attitude of the mafic dykes, and further, that these dykes were spaced widely enough (approximately 50 - 100 metres) to not preclude a quarry operation. Attached as Appendix C is a copy of the Frontier Geosciences Inc. report on the 2005 magnetometer survey. A follow up, larger property survey is warranted to test the rest of the Century area of the property.

5.2 SAMPLING PROCEDURES

Standard methods of sample collection were employed on this project. Surface samples were collected by chipping softball sized chips from bedrock exposures at regular 50 metre (North South and East-West) intervals along set traverse lines. Samples were taken from these predetermined sample sites, regardless of lithology. In almost all instances bedrock exposures were encountered, although grubbing and digging was required to access rock under moss and vegetated cover.

5.3 ANALYTICAL METHODS

All chip samples obtained from the surface and sampling programs were analyzed by Global Discovery Labs by whole rock geochemistry methods for eleven oxides including CaO and MgO and for Loss On Ignition (LOI). In addition, Process Research Associates conducted various physical and chemical tests designed to evaluate the limestone characteristics and marketability. Details of the analytical methods and original assay certificates are presented in Appendix D.

5.4 GEOPHYSICAL SURVEY

In December 2005, Frontier Geosciences Inc. conducted a 4.4 kilometre test Magnetometer program on the Century Deposit. The program was designed to determine the number and attitude of several mafic dykes cross cutting the project (noted during the sampling program on the project) as well as to establish a possible depth of limestone within the project area. Several days of line cutting were required to prepare a grid with adequate station and line spacing; this was accomplished in an 11 day program in late November, 2005.

Frontier Geoscience's report is attached as Appendix C, it summaries the program and its findings. In short, the program identified a number of mafic dykes on the project and determined their spacing to be on the order of 50-100 meters. Further, the program determined a potential depth in the shallowest Northeastern edge of the property to be approximately 100 metres.

The findings warrant a follow-up survey. For this program, the cut gridlines must be extended (~10 kilometres). A combination VLF/MAG survey is recommended during this next step.

5.5 AIRPHOTOS AND INTERPRETATIONS

In July 2005, Eagle Mapping Ltd. was contracted to fly the project and take a number of airphotos from which a useable topographic basemap could be produced. It was decided to prepare two distinct project basemaps instead of one large one as a cost saving measure. At any time Eagle Mapping can produce topography for any of the areas which have been photographed. Appendix E shows the flightlines and area flown during this program, along with the two topographic maps produced from the program.

5.6 RESULTS


The results of the whole rock and ICP analyses on the surface sampling programs are presented in raw and compiled forms in Appendices A and D.

Figures 7 and 8 show the results from the sampling and analytical program in numerical/range plots of CaO and MgO respectively. The mafic dykes and mafic dyke proximal rocks tend to show up as red due to their high MgO content. Post Magnetometer survey, it was found the areas of high MgO correspond well with areas of noted/sampled mafic dyke material.

6.0 RECOMMENATIONS

The 2005 Century/BCD project evaluation was successful in outlining a large, high-grade, potentially economic limestone deposit on tidewater on the west coast of Vancouver Island, B.C. From a geological perspective, this project warrants further expenditures to more accurately characterize the size and continuity of the deposits, both surficially and to depth. The most effective means of this characterization is by diamond drilling; however a series of steps should be taken before such a program is initiated:

- 1) Extend the existing magnetometer grid to cover the entire area of Century sampled during 2005 (an additional 10 kilometers of cut grid will be required). Combine a VLF survey with this phase II magnetometer work to help better determine attitude of bedding, mafic dyke locations, and any structural lineaments which may be present;
- 2) Additional surface chip sampling and assaying of the BCD deposit (~350 samples up elevation and to the north) from the existing BCD grid followed by a MAG/VLF on the BCD Deposit to define the grade and continuity of the limestone here;
- 3) Detailed structural and geological mapping study of Century and BCD, combined with an on the ground determination of mafic dyke locations. This would amount to shore line traverses at low tide and detailed grid mapping up elevation (1:5,000 scale or less);
- 4) Diamond Drill Century Deposit. 30 holes, 100 metres each (3000 metres)



Paul D. Gray, P. Geo.

VANCOUVER, B.C.

Dated: May 19, 2006

7.0 LIST OF REFERENCES

- DeBari, S. M., Anderson, R. G., and Mortensen, J. K., 1999: Correlation among lower to upper crustal components in an island arc: the Jurassic Bonanza arc, Vancouver Island, Canada: *Canadian Journal of Earth Sciences*, v. 36, p. 1371-1413.
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- Muller, R.R., (1981): Westmin Resources' Massive Sulphide Deposits, Vancouver Island. *In*; Field Guides to Geology and Mineral Deposits in the Southern Canadian Cordillera.
- Nixon, G. T., Hammack, J. L., Koyanagi, V. M., Payie, G. J., Haggart, J. W., Orchard, M. J., Tozer, T., Archibald, D. A., Friedman, R. M., Palfy, J., and Cordey, F., 2000: eology of the Quatsino-Port McNeill Map Area, Northern Vancouver Island, B.C. Ministry of Energy and Mines Geoscience Map 2000-6.
- Nixon, G. T., Hammack, J. L., Koyanagi, V. M., Payie, G. J., Panteleyev, A., Massey, N. W. D., Hamilton, J. V., and Haggart, J. W., 1994, Preliminary geology of the Quatsino - Port McNeil map areas, northern Vancouver Island, (92L 12, 11). Paper 1994-1, Geological Fieldwork 1993, British Columbia Geological Survey, p. 63-85.
- Nixon, G. T., Hammack, J. L., Payie, G. J., Snyder, L. D., Koyanagi, V. M., Hamilton, J. V., Panteleyev, A., Massey, N. W. D., Haggart, J. W., and Archibald, D. A., 1997: Geology of Northern Vancouver Island: Preliminary Compilation, B.C. Ministry of Energy and Mines Open File 1997-13.
- Nixon, G. T., Kelman, M. C., Stevenson, D., Stokes, L. A., and Johnston, K. A., 2006: Preliminary Geology of the Nimpkish Map Area (NTS 092L/07), Northern Vancouver Island, British Columbia. British Columbia Geological Survey, pp. 135-152.

8.0 STATEMENT OF QUALIFICATIONS

I, Paul D. Gray, of #1 – 1081 West 8th Avenue, Vancouver V6H 1C3, in the Province of British Columbia, DO HEREBY CERTIFY THAT:

1. I am Vice President of Exploration for my employer, Doublestar Resources Ltd., with offices at 350 – 885 Dunsmuir Street, Vancouver, B.C.
2. I am a graduate of Dalhousie University, Halifax, in the Province of Nova Scotia, with a Bachelor of Science degree (Honours) in Earth Sciences.
3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC), license number 29833.
4. I have practised my profession as an exploration geologist in the mineral exploration industry continuously since 1997. I have worked on exploration projects in British Columbia, Northwest Territories, and Honduras, Central America.
5. I am the author of this report and the supervisor of the field work performed on the Century Limestone Property during the period May, 2005 – December 2005, as reported herein.

DATED at Vancouver, British Columbia this 19th day of May, 2006



Paul D. Gray, P. Geo.

May 19, 2006

Vancouver, B.C.

10.0 STATEMENT OF EXPENDITURES

Century Limestone Expenses Statement – 2005

May 30 - June 7
June 20- June 24
November 14 – November 18
December 5 – 7

Paul D. Gray, P.Geo.	V.P. Exploration / Geologist 17 days @ \$400.00 / Day	\$6,800.00
Aaron Lazar, Field Assistant	8 days @ \$250.00 / day	\$2,000.00
John Kowalchuck, Field Assistant	30 days @ \$250.00 / day	\$7,500.00
Brian McKay, Field Assistant	11 days @ 200.00 / day	\$2,200.00
Erv Spencer, Field Assistant	9 days @ \$200.00 / day	\$1,800.00

Sub-Total = **\$20,300.00**

N.B. Above costs include Mob and Demob (Vancouver – Tahsis)

Field Supplies:

Maps, Scans, Samples Bags, Batteries, Flagging Tape, Equipment Rental, Sample Shipping

\$1,222.66

Travel and Accommodation (Gas, Hotel, Food, etc.):

\$3,206.48

Sub-Total = **\$4,429.14**

Frontier Geoscience Inc.:

4.4 Line Kilometer Magnetometer Study \$3,960.00

Eagle Mapping:

Century and BCD Airphoto and Contour Interpretations
\$9,400

Sub-Total = **\$13,360.00**

Post Program Expenses

Teck Cominco - Global Discovery Labs (Whole Rock Analyses)
475 samples @ / sample \$13,319.00

Process Research Associates:

Bond Work Index, Total Sulphur, Chloride, Whole Rock Analyses
23 samples @ \$2,365.00

Report Generation:

Paul D. Gray, P.Ge. 3 days @ \$203.65/day \$610.94

Sub-Total = **\$16,294.94**

GRAND TOTAL = \$54,384.08



May 19, 2006

Vancouver, B.C.

APPENDIX - A

TABULATED LIMESTONE SAMPLING RESULTS AND NOTES

APPENDIX – B

PRA PHYSICAL AND CHEMICAL TEST WORK AND CONCLUSIONS



SUMMARY REPORT 0506408

To	Paul Gray	Company:	Doublestar Resources Ltd
From	Boja Grcic	Date	Aug 11, 2005
Project No	0506408	Send:	By e-mail

1. OBJECTIVES

To determine the work index and mineralogy of 6 limestone samples.

2. RESULTS

The 6 rock samples were received on Aug 4, 2005 as per Sample Receiving Log attached. Samples were crushed to -6 mesh, blended and riffled into Composite AL-S 165-170 and splits were pulverized prior to XRD and whole rock analysis.

The grindability of Composite AL-S 165-170 was determined by standard procedures, as the Bond ball-mill index with a 200mesh closing screen size, to be **7.8kWh/ton (8.5kWh/tonne)**. Comparative Bond index values for recent LeHigh limestone samples are presented below, but chemical analyses of these samples (performed by LeHigh) are not available. Composite AL-S 165-170 sample is slightly softer than LeHigh samples.

Table 1 - Bond Index Ranges for Common Limestone Samples

LeHigh Sample id	Bond Ball Mill Index	
	W (kWh/ton)	W(kWh/tonne)
AA03-7-4201	6.5	7.1
AA03-6-6006	10.0	11.1
TN04-4 26'-78'	8.9	9.8
TN04-3 21'-490'	6.6	7.2
DDH TN-04-02 5'-275'	6.2	6.9
DDH MB-04-1 14'-58'	9.9	10.9
Average	8.02	8.83

X-Ray Powder Diffraction (XRD) Analysis of Composite Al-S 165-170 indicated predominating calcite and dolomite mineralization, with minor brucite and traces of quartz, as presented in the Table 2. The X-ray diffractogram is attached, and the Whole Rock analytical results are listed in Table 3. The detailed test reports are included in the Appendix.



SUMMARY REPORT 0506408

Table 2 - XRD Results

Mineral	Chemical Formula	%
Calcite	CaCO ₃	58.95
Dolomite	CaMg(CO ₃) ₂	18.24
Brucite	Mg(OH) ₂	1.41
Quartz	SiO ₂	0.30

Table 3 - Whole Rock Analysis Results

Elements	Units	Sample id	
		Composite AL-S	Re-Composite AL-S
Al ₂ O ₃	%	1.15	1.16
BaO	%	<0.01	<0.01
CaO	%	51.08	51.61
Fe ₂ O ₃	%	0.09	0.09
K ₂ O	%	<0.01	<0.01
MgO	%	8.51	8.59
MnO	%	0.02	0.01
Na ₂ O	%	0.47	0.49
P ₂ O ₅	%	<0.01	<0.01
SiO ₂	%	0.70	0.65
TiO ₂	%	0.01	0.01
LOI	%	26.70	25.13
Total	%	88.71	87.76

3. DISCUSSION

The results of Whole rock and XRD analyses reveal calcium : magnesium weight ratios on the order of 6:1, and the presence of minor impurities (<1% of quartz) in sample. The carbonate and any water of hydration are included in the LOI (loss on ignition), and less volatile sulphate and chloride anions are not yet accounted for.

From the bond ball mill index results Composite AL-S 165-170 sample has moderate hardness and grindability characteristics.



BOND MILL GRINDABILITY TEST REPORT

Client: Doublestar Resources Ltd
 Test: BI-1
 Sample: Composite AL-S 165 to 170

Date: 10-Aug-05
 Project: 0506408

TEST CONDITIONS

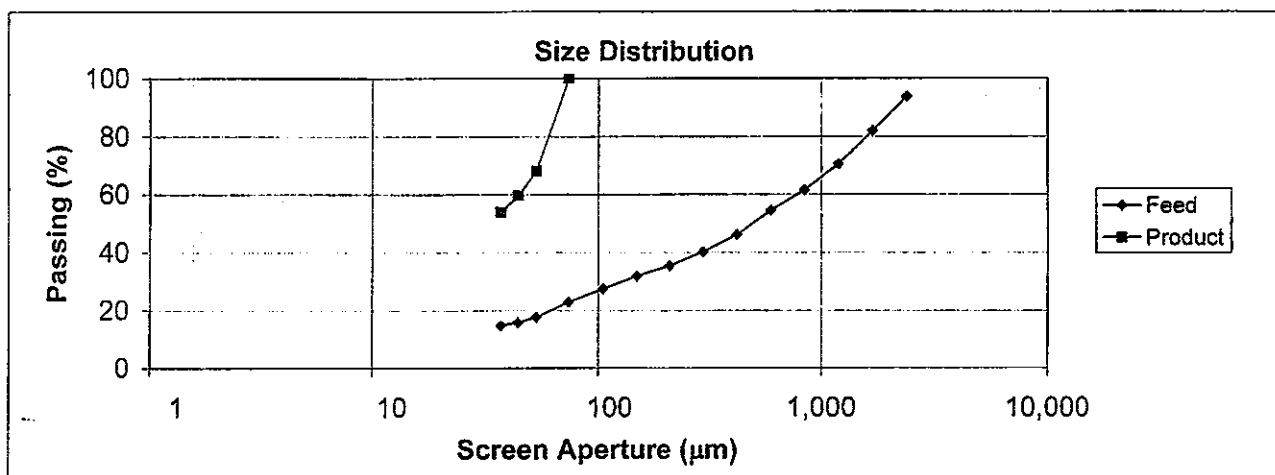
Cycle	Oversize Wt. (grams)	Product Wt. (grams)	Feed Undersize (grams)	Net Product (grams)	Product per Rev. (grams/rev.)	Required Rev. (rev.)
1	889	546	329	216	2.16	100
2	1,004	432	125	306	2.34	131
3	1,009	426	99	327	2.46	133
4	1,031	404	98	306	2.41	127
5	1,026	409	93	317	2.42	131
6	1,024	411	94	317	2.44	130
7						

SIZE ANALYSIS

Sieve Size		% Passing	
Tyler mesh	μm	Feed	Product
8	2,380	93.8	
10	1,680	81.9	
14	1,190	70.5	
20	841	61.5	
28	595	54.5	
35	420	46.1	
48	297	40.2	
65	210	35.4	
100	149	31.9	
150	105	27.5	
200	74	23.0	100.0
270	53	17.7	68.1
325	44	15.9	59.6
400	37	14.8	53.8

TEST RESULTS

Material Charge Wt. -700 mL(g) = 1,435
 Test Screen (μm) = 74
 Undersize in Feed (%) = 23.0
 Circulating Load (%) = 249
 Gbp (ave.) = 2.43
 Product P_{80} (μm) = 60.9
 Feed F_{80} (μm) = 1,591
 W (kWh/ton) = 7.8
 W (kWh/tonne) = 8.5





Whole Rock Assay Report

Client: Doublestar Resources Ltd
Sample: Composite AL-S 165-170

Date: 11-Aug-05
Project: 0506408

Elements	Units	Sample id		Detection Limits		Analytical Method
		Composite AL-S	Re-Composite AL-S	Min.	Max.	
Al ₂ O ₃	%	1.15	1.16	0.01	100	WRock
BaO	%	<0.01	<0.01	0.01	100	WRock
CaO	%	51.08	51.61	0.01	100	WRock
Fe ₂ O ₃	%	0.09	0.09	0.01	100	WRock
K ₂ O	%	<0.01	<0.01	0.01	100	WRock
MgO	%	8.51	8.59	0.01	100	WRock
MnO	%	0.02	0.01	0.01	100	WRock
Na ₂ O	%	0.47	0.49	0.01	100	WRock
P ₂ O ₅	%	<0.01	<0.01	0.01	100	WRock
SiO ₂	%	0.70	0.65	0.01	100	WRock
TiO ₂	%	0.01	0.01	0.01	100	WRock
LOI	%	26.70	25.13	0.01	100	2000 F
Total	%	88.71	87.76	0.01	105	WRock



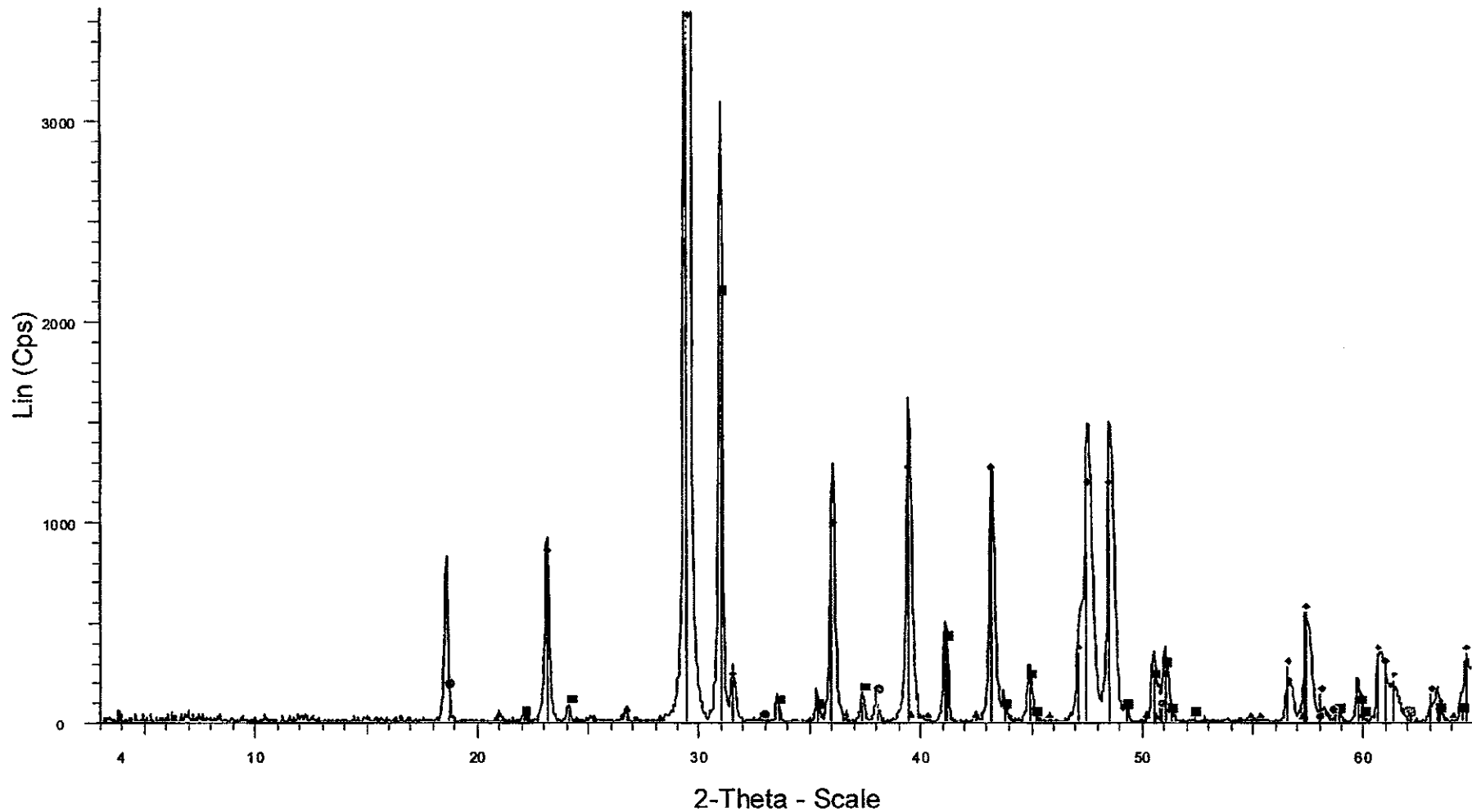
SAMPLE RECEIVING LOG SHEET

Receiving Date: 4-Aug-05	Project No: 0506408
Carrier: Client	Client: Doublestar Resources Ltd
Receiver: Jason	Page: 1 of 1

Count	Sample Label	Container Type	Sample Type (C, R, P, Sl, S)	Wet /Dry	Top Size	Weight (grams)
1	Al-S 165	Bag	R	Dry	7"	7,605.0
2	Al-S 166	Bag	R	Dry	7"	8,560.0
3	AL-S 167	Bag	R	Dry	7"	5,785.0
4	AL-S 168	Bag	R	Dry	7"	3,920.0
5	AL-S 169	Bag	R	Dry	7"	4,995.0
6	AL-S 170	Bag	R	Dry	7"	6,100.0
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Note : 36,965.0

Core, Rock, Pulp, Slurry, Solution



▲ PRA0506408-head - File: PRA0506408-head.raw - Type: Locked Coupled - Start 3.000 ° - End: 70.000 ° - Step: 0.040 ° - Step time: 1. s - Temp: 25 °C (Room) - Time Started: 8 s
 ◆ 00-005-0586 (*) - Calcite, syn - CaCO₃ - Y: 58.95 % - d x by: 1. - WL: 1.5406 - Rhombo.H.axes - a 4.98900 - b 4.98900 - c 17.06200 - alpha 90.000 - beta 90.000 - gamma 120.000
 ■ 00-036-0426 (*) - Dolomite - CaMg(CO₃)₂ - Y: 18.24 % - d x by: 1. - WL: 1.5406 - Rhombo.H.axes - a 4.80920 - b 4.80920 - c 16.02000 - alpha 90.000 - beta 90.000 - gamma 120.
 ● 01-074-2220 (C) - Brucite - Mg(OH)₂ - Y: 1.41 % - d x by: 1. - WL: 1.5406 - Hexagonal - a 3.14700 - b 3.14700 - c 4.76800 - alpha 90.000 - beta 90.000 - gamma 120.000 - Primitiv
 ▲ 00-046-1045 (*) - Quartz, syn - SiO₂ - Y: 0.30 % - d x by: 1. - WL: 1.5406 - Hexagonal - a 4.91344 - b 4.91344 - c 5.40524 - alpha 90.000 - beta 90.000 - gamma 120.000 - Primitiv

X-ray diffractogram of sample

Sample ID	Assay	
	Cl ⁻ µg/g	S(tot) %
R05-12190	15.8	<0.01
R05-12353	51.2	0.02
R05-12312	14.7	<0.01
R05-12149	20.8	<0.01
R05-12148	16.5	<0.01
R05-12217	15.3	<0.01
R05-12266	9.5	<0.01
R05-12104	9.2	<0.01
R05-12090	35.9	0.02
R05-12113	13.3	<0.01
R05-12163	15.9	<0.01
R05-12286	48.1	<0.01
R05-15106	17.9	<0.01
R05-15137	7.2	0.08
R05-15055	9.4	<0.01
R05-15051	12.0	<0.01
R05-15123	6.6	<0.01
Duplicate R05-12190	15.9	<0.01
Minimum Detection	0.1	0.01
Maximum Detection	1000	100
Method	4500 WL IC	Leco

Paul Gray
Double Star Resources Ltd.
#350 - 885 Dunsmuir Street
Vancouver, B.C.
V6C 1N5

13 April, 2005

Dear Paul:

RE: Inlet (#179842 & 179843) / G.D.L. Job V05-0214R

Seven samples were submitted to Global Discovery Labs, a business unit of Teck Cominco Ltd. The samples were tested for limestone quality by analysis using x-ray fluorescence techniques. As well, mineralogy was established for two samples by analyzing them by x-ray diffraction techniques.

The whole rock chemistry (as determined by XRF analysis) is consistent with that of pure limestone except in the case of sample R05:3278 (#179842). This latter sample is consistent with good quality dolomite.

X-ray diffraction analysis of sample R05:3278 (#179842) indicates that the sample is a 90:10 mixture of dolomite and calcite. No other phases are present. The x-ray diffraction pattern of sample R05:3279 (#179843), deemed typical of all the limestone samples, indicates that it consists of 98% calcite, ~1% dolomite and less than 1% quartz.

Standards run with the samples include one certified National Bureau of Standards argillaceous limestone (NBS-1c) and one that is a dolomite (NBS-88b).

The mineralogical and chemical analysis of the two samples tested by the two x-ray techniques is in excellent agreement.

The chemistry and mineralogy of these samples is believed to be that of relatively high quality limestone (six) and one good dolomite.

Yours truly,

J.A. McLeod, M.A.Sc., P.Eng.
Manager, G.D.L.

JAM/skw

App. (whole rock report, x-ray diffractograms)

DOUBLESTAR RESOURCES-X05
INLET/#179837-43

teckcominco

Global Discovery Labs

Report date: 11 APR 2005

Job V05-0214R

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0503273	179837	0.88	0.01	0.10	0.18		0.01	0.37	54.72	0.01	0.01	0.01	0.01	43.40	99.71
R0503274	179838	0.23	0.01	0.10	0.07		0.01	2.81	52.63	0.01	0.01	0.01	0.01	44.08	99.98
R0503275	179839	0.75	0.01	0.05	0.05		0.01	2.88	52.20	0.01	0.01	0.01	0.01	43.88	99.87
R0503276	179840	0.43	0.01	0.05	0.09		0.01	0.31	55.20	0.01	0.01	0.01	0.01	43.65	99.79
R0503277	179841	0.21	0.01	0.07	0.07		0.01	1.08	54.61	0.01	0.01	0.01	0.01	43.75	99.85
R0503278	179842	0.15	0.01	0.05	0.10		0.01	19.17	33.33	0.01	0.01	0.01	0.01	46.86	99.72
R0503279	179843	0.79	0.01	0.34	0.11		0.01	0.41	54.65	0.01	0.01	0.01	0.01	43.41	99.77
Rpt. Value	STD: NBS-1c	6.96	0.05	1.37	0.51		0.01	0.37	50.02	0.01	0.25	0.01	<0.01	39.95	99.59
Ref. Value	STD: NBS-1c	6.84	0.07	1.30	0.55		0.02	0.42	50.30	0.02	0.28	0.04	<0.01	39.90	99.74
Rpt. Value	STD: NBS-88b	1.16	0.01	0.31	0.27		0.01	21.18	29.70	0.01	0.05	0.01	<0.01	46.95	99.72
Ref. Value	STD: NBS-88b	1.12	0.01	0.34	0.28		0.01	21.03	29.95	0.01	0.10	0.01	<0.01	46.97	99.86

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised
If requested analyses are not shown, results are to follow

ANALYTICAL METHODS

FeO determined by acid digestion /volumetric.LOI determined gravimetrically
Other elements by Li borate fusion/XRF. Where no FeO value shown "Fe2O3" is total Fe as Fe2O3

COMMENTS

Rpt. Value = repeated value of standard
Ref. Value = reference value of standard
STD: NBS-88b = Certified Reference Material standard
STD: NBS-1c = Certified Reference Material standard

APPENDIX - C

**FRONTIER GEOSCIENCE INC. MAGNETOMETER SURVEY ON THE
CENTURY LIMESTONE PROJECT REPORT**

DOUBLESTAR RESOURCES LTD.
REPORT ON
TOTAL FIELD MAGNETICS SURVEY
CENTURY LIMESTONE INVESTIGATION
NOOTKA SOUND, B.C.

by

Mike Hall, B.Sc.

&

Cliff Candy, P.Geo

Dec, 2005

PROJECT FGI-849

CONTENTS

	<u>page</u>
1. INTRODUCTION	1
2. THE MAGNETIC SURVEY METHOD	3
2.1 Instrumentation and Field Procedure	3
3. GEOPHYSICAL RESULTS	4
3.1 General	4
3.2 Discussion	4

ILLUSTRATIONS

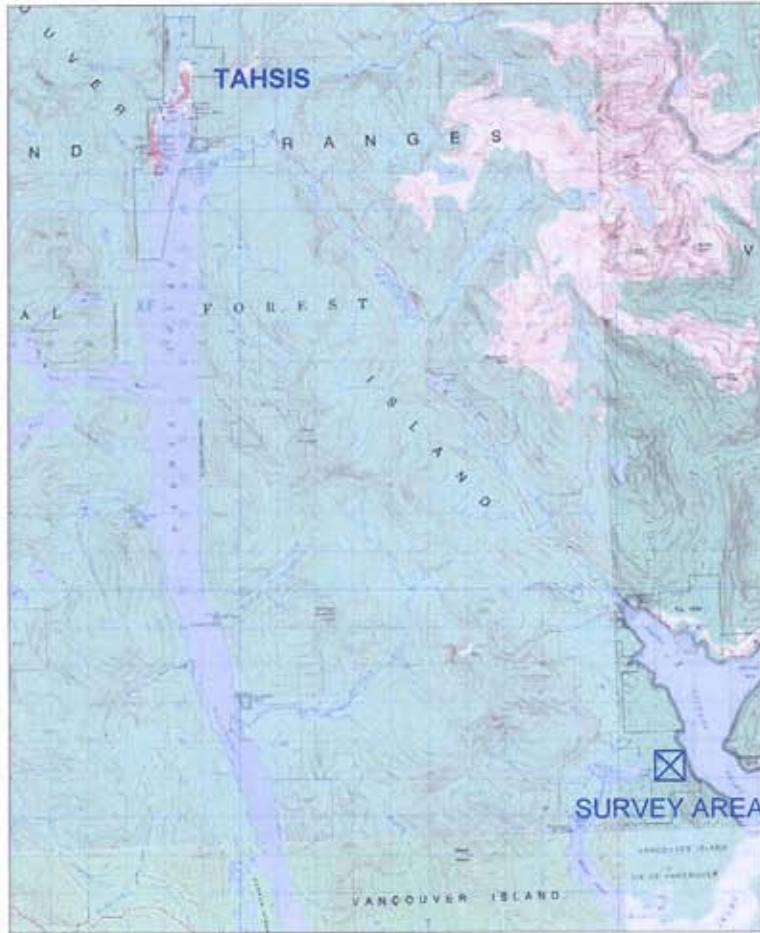
	<u>Location</u>
Figure 1 Survey Location Plan	Page 2
Figure 2 Total Field Magnetics Plan	Appendix

1. INTRODUCTION

On December 6, 2005, Frontier Geosciences Inc. carried out a total field magnetics survey for Doublestar Resources Ltd. at the Century Limestone property, near Nootka Sound, B.C. The site area is located near the town of Tahsis, midway up the west coast of Vancouver Island. A Survey Location Plan is shown at a 1:200,000 scale in Figure 1.

The objective of the survey was to identify mafic intrusive dykes within the Century Limestone unit. The extent to which mafic dykes exist is of immediate concern when attempting to assess the volume and quality of a potentially economically viable limestone deposit. The Gem Systems GSM-19 Overhauser magnetometer is ideal for this purpose; it is possible to identify magnetically anomalous trends within a large survey area in a short period of time.

In total, eight traverses, totaling 4.4 kilometers, were surveyed across the century limestone unit. The lines were spaced at 50 metre intervals and ran north to south.



DOUBLESTAR RESOURCES LTD. CENTURY LIMESTONE PROPERTY - NOOTKA SOUND, B.C.		
TOTAL FIELD MAGNETICS SURVEY		
SURVEY LOCATION PLAN		
FRONTIER GEOSCIENCES INC.		
DATE: DEC. 2005	SCALE 1:200,000	FIG. 1

2. THE MAGNETIC SURVEY METHOD

2.1 Instrumentation and Field Procedure

The magnetometer survey was carried out using a GEM Systems, GSM-19, portable, high sensitivity, Overhauser-effect magnetometer. The unit is a standard for measurement of the earth's magnetic field, having 0.01 nT (nanoTesla) resolution and 0.2 nT absolute accuracy over its full temperature range. In operation, a strong RF current is passed through the sensor head mounted on an aluminum staff. This creates a polarization of the proton-rich fluid in the sensor followed by a process of "deflection" whereby a short pulse deflects the proton magnetization (secondary magnetic field) into the plane of precession (earth's magnetic field). A slight pause in the process allows the electrical transients to die off, leaving a slowly decaying proton precession signal above the noise level. The proton precession frequency is then measured and converted into magnetic field units. Essentially, the data collected is a measurement of the earth's magnetic field plus any effect on the secondary magnetic field by ferrous objects and/or high concentrations of ferromagnetic minerals.

For each survey line, measurements were taken in "walk-mag" mode, where readings are taken at one second intervals between station markers.

To allow for correction of temporal variations in the magnetic field, a GEM systems, GSM-19 base station was set up in an area with a relatively uniform magnetic field. Quartz clocks in the two units were synchronized at the start of the survey and the data were combined at the end of the day via an RS232C interface. The built-in microprocessor in the GSM-19 base station automatically correlated the base station readings to the survey data to allow correction of diurnal variations in the survey data. The data were then dumped via the RS232C interface to a computer for processing purposes.

3. GEOPHYSICAL RESULTS

3.1 General

A Site Location Plan showing the survey area's location relative to the nearby town of Tahsis is shown in Figure 1 at a scale of 1:200,000. The line locations and the total magnetic field response, presented in colour contour format, are illustrated at a scale of 1:2500 in Figure 2. Figure 2 also features a profile of the magnetic response taken through the line marked A-A'.

A variety of magnetic responses, including high intensity lineaments, high spatial-frequency dipoles, and a gradual strengthening in magnetic response in the northeast portion of the grid, are identifiable in Figure 2.

3.2 Discussion

Of immediate interest with respect to the survey's objective; there appear to be at least 4 separate lineaments striking either northwest or southeast. The response types are those expected of relatively steeply dipping source bodies. These lineaments are almost certainly of different mineralogical composition than the surrounding rock type and likely represent mafic dikes. The lineaments themselves vary somewhat in their magnetic signature. Lineament 1, around 5775N and 5650N, has strong dipole behavior indicative of near-surface, high-intensity, possible skarn mineralization. Anomalies A and B, in the southern portion of the grid, exhibit magnetic signatures similar to lineament 1 and could possibly be connected either to each other, or to some other lineament located off the survey grid. The other identified lineaments (2-4), in the north part of the grid, do not feature a dipole signature and are therefore probably less concentrated, less intense sources than lineament 1.

Throughout the entirety of the surveyed grid, there appears to be a gradual strengthening of the magnetic response towards the northeast. Profile A-A', in Figure 2, shows the individual events associated with lineament 1, 3, and 4, as well as the magnetic response buildup discussed above. Based on the profile, it seems likely that the magnetic response change is caused by the presence of a deep basement-rock response, either due to a different mineralogical content than the southern portion of the grid, or due to a thinning of the limestone unit towards the northeast. To accurately estimate the depth of the magnetic source in the northeast portion of the grid it would be necessary to track the intensity back

to near the 54600 nT signal level seen in the southern portion of the profile. Capturing the full magnetic response event would enable the usage of the half-space method of determining source depth. With the data as presented, we estimate that the magnetic source depth is at least 100 metres, which represents a thickness of 100 metres for magnetically inactive lithologies in the northeast portion of the survey area. Of this 100 metre magnetically inactive section, the depth to which the Century Limestone extends is unknown. Similarly, the depth to which the limestone extends in the southern portion of the survey area cannot be determined, but it appears that the thickness of magnetically inactive material is greater than in the northeast portion of the grid.

For: Frontier Geosciences Inc.

Mike Hall

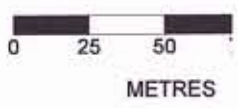
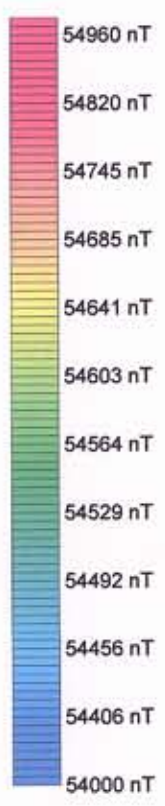
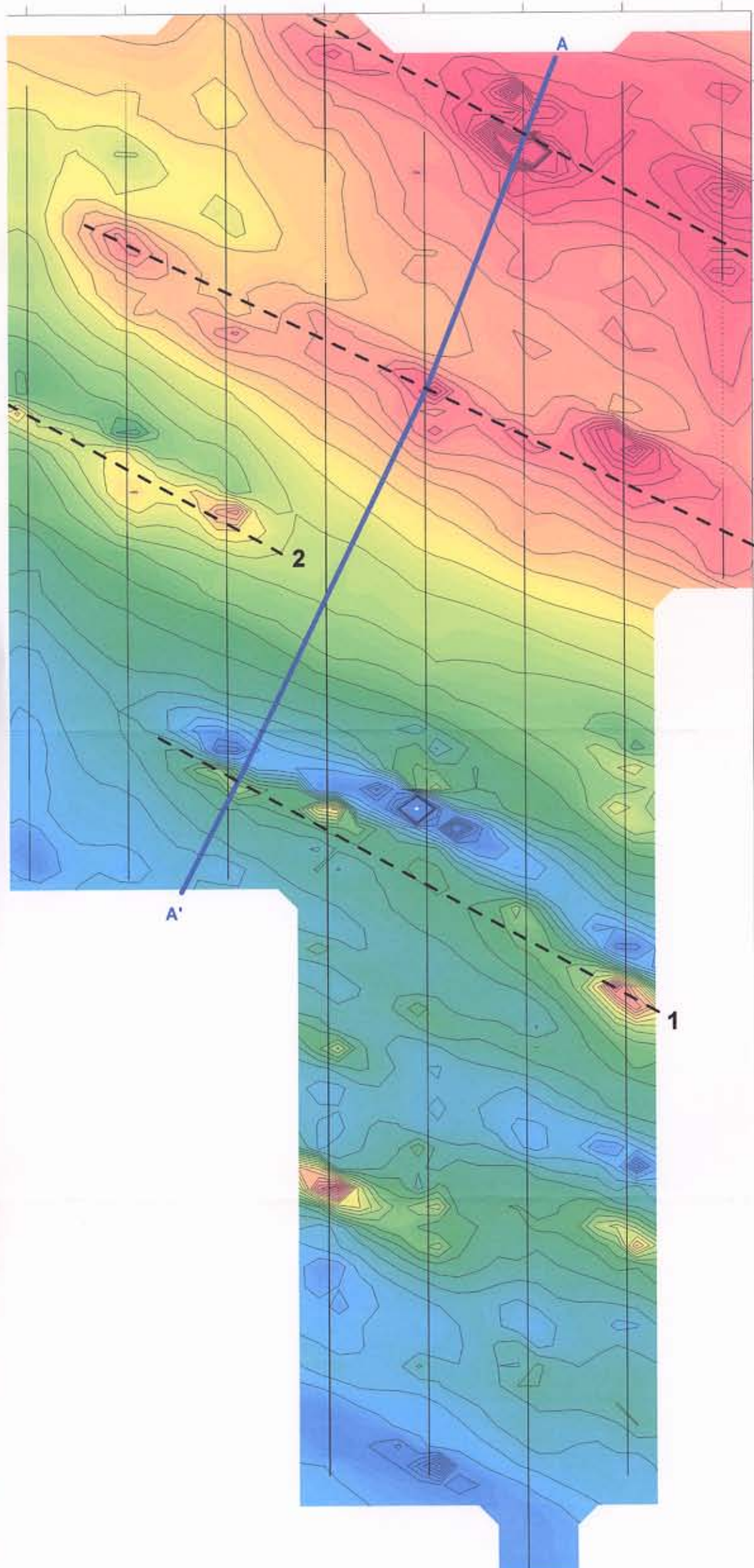
Mike Hall, B.Sc.

Cliff Candy

Cliff Candy, P.Geo.



50 m 100 m 150 m 200 m 250 m 300 m 350 m 400 m 450 m



DOUBLESTAR RESOU
CENTURY LIMESTONE PROPERTY - N
TOTAL FIELD MAGNETIC

APPENDIX – D

ASSAY RESULTS (ORIGINAL CERTIFICATES)

10 AUG 2005

Job statement/costs for

Job No: V05-0452R

TECK COMINCO LTD. / GLOBAL DISCOVERY LABS

Project : DOUBLESTAR RESOURCES
Ref/I.D.: (CENTURY LIMESTONE)

Reported to : P.GRAY
and :

Shipped to lab : 17 06 05
Received at lab: 22 06 05
Work completed : 26 07 05

Lab Nos : R05-13771 to R05-13781

Analysis/prep	reported	no req	no @	rate	no @	rate	\$ TOTAL
28 Element ICP	26 07 05	2	2 @	\$7.00			14.00
Major Oxide Pkg	08 07 05	9	9 @	\$25.00			225.00
Standard Rock Prep			11 @	\$5.50			60.50

Job Cost = \$ 299.50
G.S.T (7%) = \$ 20.97
TOTAL PAYABLE (Cdn) = \$ 320.47

Methods of analysis were reported with the results, as were field nos

Enquiries to: Susie Woo / Jim McLeod
TECK COMINCO LTD. / Global Discovery Labs
1486 East Pender Street, Vancouver, B.C. V5L 1V8
PHONE (604)685-3032 / FAX (604)844-2686

Report date: 26 JULY 2005

Job V 05-0452R

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Tl %	Al %	Ca %	Na %	K %	P ppm
R0513771	P.G.S-123	87	<4	227	<4	<2	<5	3	6	8	48.15	3	24	<5	<5	21	<2	<2	3	<2	10	453	0.19	0.01	0.09	0.58	0.06	<.01	16
R0513772	P.G.S-140	307	<4	20	<4	<2	<5	<1	61	14	5.88	<2	21	<5	<5	6	<2	<2	3	<2	<2	142	0.92	<.01	0.12	0.85	0.04	<.01	94
Rpt. Value	STD: DA	131	218	686	5.8	63	401	5	12	45	3.89	<2	43	<5	<5	78	<2	2	38	10	23	696	0.56	0.10	2.21	0.57	0.04	0.14	1015
Inhouse Value	STD: DA	122	206	629	6.1	54	400	4	12	38	3.23	3	35	<5	<5	54	<2	<2	34	8	14	606	0.47	0.05	1.76	0.50	0.06	0.13	930

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised
If requested analyses are not shown, results are to follow

ANALYTICAL METHODS

ICP PACKAGE : 0.5 gram sample digested in hot reverse aqua regia (soil,silt) or hot Aqua Regia(rocks).

COMMENTS

Rpt. Value = Repeated Value of Standard
Inhouse Value = Value of In-house Standard
STD: DA = In-house Standard



Alice Kwan, Chemist-Teck Cominco G.D.L.

Report date: 8 JULY 2005

Job V05-0452R

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0513773	P.G.S-16	51.08	2.43	15.13	10.73		0.20	3.86	9.42	4.65	0.63	0.37	0.01	0.81	99.32
R0513774	P.G.S-87	0.91	0.01	0.17	0.23		0.01	0.93	54.00	0.01	0.01	0.02	0.01	43.15	99.46
R0513775	P.G.S-136	59.81	1.30	15.46	7.59		0.11	2.66	4.09	6.01	0.44	0.47	0.01	1.65	99.60
R0513776	P.G.S-146	69.94	0.46	14.14	3.84		0.05	1.27	1.62	4.32	2.55	0.10	0.04	1.36	99.69
R0513777	P.G.S-165	50.13	2.30	14.38	14.36		0.18	4.63	6.71	4.96	0.25	0.38	0.01	1.49	99.78
R0513778	AL-01	43.68	1.24	16.53	9.85		0.09	11.96	5.23	1.35	0.85	0.10	0.01	8.68	99.57
R0513779	AL-02	0.44	0.01	0.10	0.10		0.01	2.57	52.40	0.01	0.01	0.01	0.01	43.88	99.55
R0513780	AL-03	0.34	0.01	0.10	0.10		0.01	2.01	53.18	0.01	0.01	0.01	0.01	43.90	99.69
R0513781	AL-S-28	49.54	1.14	18.00	9.93		0.12	5.38	8.10	3.61	1.22	0.15	0.02	2.25	99.46
Rpt. Value	STD:NBS-88b	1.05	0.01	0.36	0.27		0.01	21.02	29.97	0.01	0.05	0.01	<0.01	46.93	99.54
Ref. Value	STD:NBS-88b	1.12	0.01	0.34	0.28		0.01	21.03	29.95	0.01	0.10	0.01	0.01	46.97	99.86

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised
If requested analyses are not shown, results are to follow

ANALYTICAL METHODS

FeO determined by acid digestion /volumetric. LOI determined gravimetrically
Other elements by Li borate fusion/XRF. Where no FeO value shown "Fe2O3" is total Fe as Fe2O3

Fred Lo
Fred Lo, Chemist-Teck Cominco G.D.L.

COMMENTS

Rpt. Value = Repeated value of standard
Ref. Value = Reference value of standard
STD: NBS-88b = Certified Reference Material Standard

10 AUG 2005

Job statement/costs for

Job No: V05-0472R

TECK COMINCO LTD. / GLOBAL DISCOVERY LABS

Project : DOUBLESTAR RESOURCES
Ref/I.D.: (ALS171-302)

Reported to : P.GRAY
and :

Shipped to lab : 27 06 05
Received at lab: 28 06 05
Work completed : 13 07 05

Lab Nos : R05-15027 to R05-15158

Analysis/prep	reported	no req	no @	rate	no @	rate	\$ TOTAL
Major Oxide Pkg	13 07 05	132			132 @	\$22.50	2970.00
Standard Rock Prep			132 @	\$5.50			726.00

Job Cost = \$ 3696.00
G.S.T (7%) = \$ 258.72
TOTAL PAYABLE (Cdn) = \$ 3954.72

Methods of analysis were reported with the results, as were field nos

Enquiries to: Susie Woo / Jim McLeod
TECK COMINCO LTD. / Global Discovery Labs
1486 East Pender Street, Vancouver, B.C. V5L 1V8
PHONE (604)685-3032 / FAX (604)844-2686

Report date: 13 JULY 2005

Job V05-0472R

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0515027	b359373	0.17	0.01	0.01	0.07		0.01	2.34	53.13	0.01	0.01	0.02	0.01	44.06	99.85
R0515028	b359374	0.34	0.01	0.10	0.07		0.01	1.00	54.52	0.01	0.01	0.01	0.01	43.66	99.75
R0515029	b359375	5.61	0.01	0.46	0.43		0.05	0.46	51.63	0.01	0.01	0.01	0.01	41.13	99.82
R0515030	b359376	0.62	0.01	0.23	0.10		0.01	7.44	47.00	0.01	0.01	0.01	0.01	44.45	99.90
R0515031	b359377	0.21	0.01	0.01	0.07		0.01	3.01	52.36	0.01	0.01	0.01	0.01	44.06	99.78
R0515031 rpt	b359377 rpt	0.34	0.01	0.01	0.05		0.01	3.07	52.27	0.01	0.01	0.01	0.01	44.04	99.84
R0515032	b359378	0.34	0.01	0.18	0.10		0.01	0.95	54.56	0.01	0.01	0.01	0.01	43.50	99.69
R0515033	b359379	0.10	0.01	0.01	0.02		0.01	2.91	52.52	0.01	0.01	0.01	0.01	44.11	99.73
R0515034	b359380	0.10	0.01	0.01	0.05		0.01	5.98	49.09	0.01	0.01	0.01	0.01	44.56	99.85
R0515035	b359381	0.05	0.01	0.01	0.02		0.01	7.48	47.06	0.01	0.01	0.01	0.01	44.88	99.56
R0515036	b359382	0.21	0.01	0.02	0.03		0.01	3.84	51.43	0.01	0.01	0.01	0.01	44.20	99.79
R0515037	b359383	0.05	0.01	0.01	0.12		0.01	18.20	34.61	0.01	0.01	0.01	0.01	46.75	99.80
R0515038	b359384	0.05	0.01	0.01	0.05		0.01	18.70	34.22	0.01	0.01	0.01	0.01	46.86	99.95
R0515039	b359385	0.05	0.01	0.01	0.01		0.01	19.37	33.06	0.31	0.01	0.01	0.01	47.09	99.95
R0515040	b359386	0.07	0.01	0.14	0.09		0.01	19.60	32.70	0.30	0.01	0.01	0.01	46.72	99.67
R0515041	b359387	0.31	0.01	0.01	0.10		0.01	19.23	33.31	0.01	0.01	0.01	0.01	46.70	99.72
R0515042	b359388	0.28	0.01	0.01	0.02		0.01	5.65	49.20	0.01	0.01	0.01	0.01	44.58	99.80
R0515043	b359389	0.05	0.01	0.01	0.07		0.01	18.97	33.77	0.01	0.01	0.01	0.01	46.97	99.90
R0515044	b359390	0.69	0.01	0.01	0.07		0.01	20.42	31.80	0.01	0.01	0.01	0.01	46.81	99.86
R0515045	b359391	0.55	0.01	0.10	0.21		0.05	12.76	40.56	0.01	0.01	0.01	0.01	45.49	99.77
R0515046	b359392	0.10	0.01	0.01	0.02		0.01	7.92	46.65	0.01	0.01	0.01	0.01	44.99	99.75
R0515047	b359393	0.05	0.01	0.01	0.05		0.01	9.60	44.75	0.01	0.01	0.01	0.01	45.40	99.92
R0515048	b359394	0.10	0.01	0.01	0.07		0.01	0.34	55.50	0.01	0.01	0.01	0.01	43.77	99.85
R0515049	b359395	1.52	0.01	0.01	0.09		0.01	16.95	35.86	0.02	0.01	0.01	0.01	45.33	99.83
R0515050	b359396	0.21	0.01	0.09	0.03		0.01	0.62	55.02	0.01	0.01	0.01	0.01	43.84	99.87
R0515050 rpt	b359396 rpt	0.10	0.01	0.07	0.03		0.01	0.56	55.25	0.01	0.01	0.01	0.01	43.90	99.97
R0515051	b359397	0.10	0.01	0.01	0.03		0.01	2.90	52.40	0.01	0.01	0.01	0.01	44.20	99.70
R0515052	b359398	0.10	0.01	0.02	0.03		0.01	1.12	54.49	0.01	0.01	0.01	0.01	44.00	99.82
R0515053	b359399	0.43	0.01	0.07	0.10		0.01	18.87	33.75	0.01	0.01	0.01	0.01	46.66	99.94
R0515054	b359400	0.21	0.01	0.14	0.31		0.07	9.39	44.61	0.01	0.01	0.01	0.01	44.77	99.55
R0515055	b359401	0.10	0.01	0.09	0.07		0.01	1.12	54.63	0.01	0.01	0.01	0.01	43.90	99.97
R0515056	b359402	0.05	0.01	0.07	0.03		0.01	0.70	55.16	0.01	0.01	0.01	0.01	43.88	99.95
R0515057	b359403	0.50	0.01	0.07	0.02		0.01	0.46	55.00	0.01	0.01	0.01	0.01	43.65	99.76
R0515058	b359404	0.10	0.01	0.12	0.07		0.01	8.40	46.15	0.01	0.01	0.01	0.01	44.91	99.81
R0515059	b359405	0.05	0.01	0.01	0.01		0.01	0.44	55.54	0.01	0.01	0.01	0.01	43.79	99.90
R0515060	b359406	0.05	0.01	0.01	0.02		0.01	0.95	54.88	0.01	0.01	0.01	0.01	44.00	99.97

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0515060 rpt	b359406 rpt	0.07	0.01	0.01	0.02		0.01	0.88	54.79	0.01	0.01	0.01	0.01	44.08	99.91
R0515061	b359407	0.05	0.01	0.01	0.14		0.01	18.46	34.22	0.01	0.01	0.01	0.01	46.93	99.87
R0515062	b359408	0.05	0.01	0.02	0.02		0.01	1.84	53.56	0.01	0.01	0.01	0.01	44.20	99.75
R0515063	b359409	0.05	0.01	0.01	0.01		0.01	2.23	53.29	0.01	0.01	0.01	0.01	44.20	99.85
R0515064	b359410	0.05	0.01	0.01	0.15		0.01	17.96	34.88	0.01	0.01	0.01	0.01	46.81	99.92
R0515065	b359411	1.29	0.01	0.52	0.17		0.01	21.18	30.57	0.02	0.01	0.05	0.01	45.97	99.81
R0515066	b359412	0.21	0.01	0.01	0.02		0.01	4.01	51.38	0.01	0.01	0.01	0.01	44.27	99.96
R0515067	b359413	0.56	0.01	0.01	0.05		0.01	0.34	55.15	0.01	0.01	0.01	0.01	43.59	99.76
R0515068	b359414	0.58	0.01	0.01	0.05		0.01	0.62	54.81	0.01	0.01	0.01	0.01	43.72	99.85
R0515068 rpt	b359414 rpt	0.44	0.01	0.01	0.05		0.02	0.70	54.79	0.01	0.01	0.01	0.01	43.68	99.74
R0515069	b359415	0.21	0.01	0.01	0.03		0.01	4.90	50.24	0.01	0.01	0.01	0.01	44.29	99.74
R0515070	b359416	0.05	0.01	0.02	0.02		0.01	2.00	53.65	0.01	0.01	0.01	0.01	44.11	99.91
R0515071	b359417	0.05	0.01	0.01	0.03		0.01	9.57	44.79	0.01	0.01	0.01	0.01	45.22	99.73
R0515072	b359418	0.10	0.01	0.01	0.01		0.01	3.50	51.86	0.01	0.01	0.01	0.01	44.24	99.78
R0515073	b359419	0.10	0.01	0.02	0.03		0.01	0.79	55.00	0.01	0.01	0.01	0.01	43.75	99.75
R0515074	b359420	0.28	0.01	0.01	0.01		0.01	0.56	55.29	0.01	0.01	0.01	0.01	43.70	99.91
R0515075	b359421	0.05	0.01	0.01	0.02		0.01	9.19	45.33	0.01	0.01	0.01	0.01	45.24	99.90
R0515076	b359422	1.88	0.01	0.02	0.05		0.01	0.46	54.49	0.01	0.01	0.01	0.01	42.97	99.93
R0515077	b359423	0.05	0.01	0.01	0.01		0.01	1.00	54.70	0.01	0.01	0.01	0.01	43.93	99.76
R0515078	b359424	0.56	0.01	0.28	0.15		0.01	2.93	52.11	0.01	0.01	0.01	0.01	43.72	99.81
R0515079	b359425	0.21	0.01	0.01	0.02		0.01	1.46	54.22	0.01	0.01	0.01	0.01	43.95	99.93
R0515080	b359426	0.38	0.01	0.01	0.07		0.01	0.44	55.36	0.01	0.01	0.01	0.01	43.61	99.93
R0515081	b359427	0.10	0.01	0.02	0.10		0.01	19.29	33.47	0.01	0.01	0.01	0.01	46.68	99.72
R0515082	b359428	0.10	0.01	0.01	0.03		0.01	8.80	45.84	0.01	0.01	0.01	0.01	45.02	99.86
R0515083	b359429	0.05	0.01	0.01	0.03		0.01	1.90	54.02	0.01	0.01	0.01	0.01	43.75	99.82
R0515084	b359430	0.05	0.01	0.01	0.11		0.01	17.81	35.09	0.01	0.01	0.01	0.01	46.63	99.76
R0515085	b359431	0.05	0.01	0.01	0.07		0.01	19.47	33.13	0.01	0.01	0.01	0.01	47.06	99.85
R0515086	b359432	1.59	0.01	0.01	0.05		0.01	2.89	51.93	0.01	0.01	0.01	0.01	43.29	99.82
R0515087	b359433	0.05	0.01	0.01	0.10		0.01	18.48	34.11	0.01	0.01	0.01	0.01	46.86	99.67
R0515088	b359434	0.05	0.01	0.01	0.10		0.01	18.89	33.86	0.01	0.01	0.01	0.01	46.90	99.87
R0515089	b359435	0.27	0.01	0.01	0.10		0.01	18.79	33.90	0.01	0.01	0.01	0.01	46.61	99.74
R0515089 rpt	b359435 rpt	0.20	0.01	0.01	0.11		0.01	18.68	33.95	0.01	0.01	0.01	0.01	46.61	99.62
R0515090	b359436	0.75	0.01	0.01	0.11		0.01	21.57	30.60	0.01	0.01	0.01	0.01	46.59	99.69
R0515091	b359437	0.05	0.01	0.01	0.01		0.01	6.50	48.38	0.01	0.01	0.01	0.01	44.88	99.89
R0515092	b359438	0.05	0.01	0.01	0.01		0.01	4.86	50.15	0.01	0.01	0.01	0.01	44.63	99.77
R0515093	b359439	0.05	0.01	0.01	0.10		0.01	18.87	33.66	0.01	0.01	0.01	0.01	46.97	99.72
R0515094	b359440	0.28	0.01	0.01	0.01		0.01	0.94	54.61	0.01	0.01	0.01	0.01	43.99	99.90
R0515095	b359441	0.74	0.01	0.01	0.12		0.01	2.39	52.56	0.01	0.01	0.01	0.01	43.84	99.72
R0515096	b359442	0.05	0.01	0.02	0.07		0.01	9.55	44.90	0.01	0.01	0.01	0.01	45.24	99.89
R0515097	b359443	0.67	0.01	0.10	0.07		0.01	3.04	51.88	0.01	0.01	0.01	0.01	43.97	99.79
R0515098	b359444	0.28	0.01	0.11	0.07		0.01	7.28	47.15	0.01	0.01	0.01	0.01	44.75	99.70
R0515099	b359445	0.05	0.01	0.01	0.01		0.01	9.72	44.70	0.01	0.01	0.01	0.01	45.34	99.89

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0515100	b359446	0.10	0.01	0.01	0.01		0.01	0.60	53.77	0.01	0.01	0.01	0.01	45.34	99.89
R0515101	b359447	0.05	0.01	0.01	0.01		0.01	0.67	55.08	0.01	0.01	0.01	0.01	43.90	99.78
R0515102	b359448	0.44	0.01	0.01	0.01		0.01	3.79	51.50	0.01	0.01	0.01	0.01	44.09	99.90
R0515103	b359449	0.17	0.01	0.02	0.12		0.05	0.67	54.88	0.01	0.01	0.01	0.01	43.77	99.73
R0515104	b359450	0.34	0.01	0.02	0.07		0.01	3.16	52.13	0.01	0.01	0.01	0.01	44.00	99.78
R0515105	b359451	0.05	0.01	0.01	0.01		0.01	4.44	50.79	0.01	0.01	0.01	0.01	44.43	99.79
R0515106	b359452	0.38	0.01	0.02	0.01		0.01	5.23	49.75	0.01	0.01	0.01	0.01	44.34	99.79
R0515107	b359453	0.28	0.01	0.02	0.02		0.01	3.38	51.95	0.01	0.01	0.01	0.01	44.00	99.71
R0515108	b359454	0.05	0.01	0.01	0.03		0.01	18.95	33.68	0.01	0.01	0.02	0.01	46.77	99.56
R0515109	b359455	0.28	0.01	0.01	0.01		0.01	1.39	54.38	0.01	0.01	0.01	0.01	43.70	99.83
R0515110	b359456	0.81	0.01	0.01	0.10		0.01	19.77	32.66	0.01	0.01	0.01	0.01	46.27	99.68
R0515111	b359457	0.21	0.01	0.01	0.01		0.01	5.15	49.95	0.01	0.01	0.01	0.01	44.49	99.88
R0515112	b359458	0.10	0.01	0.12	0.09		0.01	7.84	46.95	0.01	0.01	0.01	0.01	44.75	99.91
R0515113	b359459	0.05	0.01	0.01	0.05		0.01	0.56	55.36	0.01	0.01	0.01	0.01	43.83	99.92
R0515114	b359460	0.50	0.01	0.01	0.01		0.01	0.49	55.22	0.01	0.01	0.01	0.01	43.54	99.83
R0515115	b359461	0.28	0.01	0.09	0.07		0.01	4.80	50.43	0.01	0.01	0.01	0.01	44.20	99.93
R0515116	b359462	0.21	0.01	0.01	0.05		0.01	7.88	46.83	0.01	0.01	0.01	0.01	44.90	99.94
R0515117	b359463	0.56	0.01	0.01	0.01		0.01	0.56	54.75	0.01	0.01	0.01	0.01	43.77	99.72
R0515118	b359464	0.33	0.01	0.02	0.11		0.01	4.01	51.04	0.01	0.01	0.01	0.01	44.27	99.84
R0515119	b359465	1.01	0.01	0.02	0.10		0.07	1.91	53.06	0.01	0.01	0.01	0.01	43.43	99.65
R0515120	b359466	0.05	0.01	0.01	0.14		0.01	19.64	32.90	0.01	0.01	0.01	0.01	47.04	99.84
R0515121	b359467	0.05	0.01	0.01	0.09		0.01	5.57	49.29	0.01	0.01	0.01	0.01	44.86	99.93
R0515122	b359468	0.21	0.01	0.01	0.02		0.03	1.05	54.38	0.01	0.01	0.01	0.01	44.04	99.79
R0515123	b359469	0.05	0.01	0.01	0.15		0.01	0.83	54.75	0.01	0.01	0.01	0.01	43.93	99.78
R0515124	b359470	0.05	0.01	0.01	0.01		0.01	7.01	47.72	0.01	0.01	0.01	0.01	44.79	99.65
R0515124 rpt	b359470 rpt	0.10	0.01	0.01	0.02		0.01	6.94	47.88	0.01	0.01	0.01	0.01	44.84	99.85
R0515125	b359471	0.82	0.01	0.33	0.10		0.01	11.06	42.79	0.01	0.01	0.01	0.01	44.72	99.88
R0515126	b359472	0.21	0.01	0.01	0.01		0.01	0.77	54.84	0.01	0.01	0.01	0.01	43.93	99.83
R0515127	b359473	0.05	0.01	0.01	0.10		0.01	3.66	51.36	0.01	0.01	0.01	0.01	44.59	99.83
R0515128	b359474	1.60	0.01	0.15	0.17		0.01	1.49	53.59	0.01	0.01	0.01	0.01	42.75	99.81
R0515129	b359475	0.68	0.01	0.02	0.01		0.01	10.64	43.02	0.02	0.01	0.01	0.01	45.11	99.55
R0515130	b359476	0.05	0.01	0.01	0.01		0.01	5.11	49.86	0.01	0.01	0.01	0.01	44.70	99.80
R0515131	b359477	0.34	0.01	0.10	0.18		0.09	5.03	49.95	0.01	0.01	0.01	0.01	43.97	99.71
R0515132	b359478	0.05	0.01	0.01	0.02		0.01	1.12	54.63	0.01	0.01	0.01	0.01	43.83	99.72
R0515133	b359479	0.34	0.01	0.01	0.10		0.01	17.81	38.13	0.01	0.01	0.01	0.01	43.25	99.70
R0515134	b359480	0.05	0.01	0.01	0.03		0.01	4.30	51.24	0.01	0.01	0.01	0.01	44.16	99.85
R0515135	b359481	0.05	0.01	0.01	0.11		0.01	19.75	32.61	0.01	0.01	0.01	0.01	47.06	99.65
R0515136	b359482	0.10	0.01	0.01	0.09		0.01	3.96	51.15	0.01	0.01	0.01	0.01	44.27	99.64
R0515137	b359483	0.79	0.01	0.10	0.01		0.01	1.50	53.90	0.01	0.01	0.01	0.01	43.25	99.61
R0515138	b359484	0.34	0.01	0.01	0.05		0.01	0.58	55.13	0.01	0.01	0.01	0.01	43.72	99.89
R0515139	b359485	0.21	0.01	0.01	0.02		0.01	6.32	48.43	0.01	0.01	0.01	0.01	44.58	99.63
R0515140	b359486	0.28	0.01	0.02	0.02		0.01	3.01	52.33	0.01	0.01	0.01	0.01	44.09	99.81

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0515141	b359487	0.34	0.01	0.01	0.01		0.01	2.90	52.20	0.01	0.01	0.01	0.01	44.13	99.65
R0515142	b359488	0.31	0.01	0.01	0.02		0.01	0.62	54.79	0.01	0.01	0.01	0.01	43.75	99.56
R0515143	b359489	0.21	0.01	0.07	0.01		0.01	0.51	55.06	0.01	0.01	0.01	0.01	43.81	99.73
R0515144	b359490	0.44	0.01	0.10	0.03		0.01	4.94	49.95	0.01	0.01	0.01	0.01	44.36	99.88
R0515145	b359491	0.10	0.01	0.05	0.02		0.01	0.94	54.56	0.01	0.01	0.01	0.01	43.97	99.70
R0515145 rpt	b359491 rpt	0.10	0.01	0.01	0.03		0.01	1.00	54.50	0.01	0.01	0.01	0.01	43.95	99.65
R0515146	b359492	0.31	0.01	0.01	0.07		0.09	6.11	48.54	0.01	0.01	0.01	0.01	44.41	99.59
R0515147	b359493	0.14	0.01	0.12	0.23		0.03	17.23	35.65	0.01	0.01	0.01	0.01	46.13	99.58
R0515148	b359494	1.40	0.01	0.02	0.10		0.05	3.85	50.50	0.01	0.01	0.01	0.01	43.63	99.60
R0515149	b359495	0.79	0.01	0.43	0.15		0.01	17.29	35.45	0.01	0.01	0.01	0.01	45.29	99.46
R0515150	b359496	0.37	0.01	0.01	0.10		0.01	20.04	32.20	0.01	0.01	0.01	0.01	46.66	99.44
R0515151	b359497	0.05	0.01	0.02	0.07		0.01	20.64	31.88	0.01	0.01	0.01	0.01	47.09	99.81
R0515152	b359498	0.97	0.01	0.10	0.07		0.01	18.88	33.72	0.01	0.01	0.01	0.01	46.09	99.89
R0515153	b359499	0.74	0.01	0.10	0.01		0.01	10.06	44.15	0.02	0.01	0.01	0.01	44.66	99.79
R0515154	b359500	0.05	0.01	0.01	0.03		0.01	4.57	50.59	0.01	0.01	0.01	0.01	44.40	99.71
R0515155	b359502	0.05	0.01	0.01	0.02		0.01	1.46	54.24	0.02	0.01	0.01	0.01	43.84	99.69
R0515156	b359503	0.21	0.01	0.02	0.28		0.01	10.35	43.59	0.02	0.01	0.01	0.01	45.15	99.67
R0515157	b359504	0.05	0.01	0.01	0.01		0.01	7.71	47.09	0.01	0.01	0.01	0.01	44.91	99.84
R0515158	b359505	0.31	0.01	0.01	0.07		0.01	1.46	54.09	0.01	0.01	0.01	0.01	43.77	99.77
Rpt. Value	STD:NBS-88b	1.05	0.01	0.37	0.27		0.01	21.02	29.82	0.01	0.07	0.01	0.01	46.93	99.58
Ref. Value	STD:NBS-88b	1.12	0.01	0.34	0.28		0.01	21.03	29.95	0.01	0.10	0.01	0.01	46.97	99.86


I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised

If requested analyses are not shown, results are to follow

ANALYTICAL METHODS

FeO determined by acid digestion /volumetric. LOI determined gravimetrically

Other elements by Li borate fusion/XRF. Where no FeO value shown "Fe2O3" is total Fe as Fe2O3



Fred Lo, Chemist-Teck Cominco G.D.L.

COMMENTS

Rpt. Value = Repeated value of standard

Ref. Value = Reference value of standard

STD: NBS-88b = Certified Reference Material Standard

Report date: 4 JULY 2005

Job V05-0417R

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512234	179844	0.82	0.01	0.12	0.17		0.09	0.43	53.59	0.01	0.01	0.01	0.01	44.49	99.76
R0512235	179845	0.10	0.01	0.05	0.05		0.01	0.68	55.24	0.02	0.01	0.01	0.01	43.58	99.77
R0512236	179846	0.79	0.01	0.02	0.01		0.01	1.47	54.09	0.01	0.01	0.01	0.01	43.52	99.96
R0512237	179847	0.33	0.01	0.02	0.09		0.01	7.32	47.45	0.05	0.01	0.01	0.01	44.56	99.87
R0512238	179848	0.60	0.01	0.03	0.03		0.01	3.59	51.61	0.01	0.01	0.01	0.01	43.77	99.69
R0512239	179849	0.30	0.01	0.05	0.07		0.01	0.56	55.33	0.01	0.01	0.01	0.01	43.54	99.91
R0512240	179850	0.97	0.01	0.01	0.17		0.01	1.12	54.16	0.01	0.01	0.01	0.01	43.45	99.94
R0512241	179951	0.21	0.01	0.10	0.02		0.01	4.67	50.25	0.01	0.01	0.01	0.01	44.29	99.60
R0512242	179952	0.05	0.01	0.07	0.02		0.01	1.53	54.00	0.21	0.01	0.01	0.01	43.86	99.79
R0512243	179953	0.05	0.01	0.05	0.01		0.01	3.82	51.31	0.10	0.01	0.01	0.01	44.22	99.61
R0512244	179954	0.21	0.01	0.07	0.02		0.01	0.63	54.97	0.01	0.01	0.01	0.01	43.79	99.75
R0512245	179955	0.10	0.01	0.01	0.01		0.01	2.56	52.93	0.01	0.01	0.01	0.01	43.97	99.64
R0512246	179957	0.10	0.01	0.01	0.01		0.01	1.35	54.08	0.01	0.01	0.01	0.01	43.90	99.51
R0512247	179958	0.21	0.01	0.02	0.10		0.01	4.71	50.29	0.01	0.01	0.01	0.01	44.15	99.54
R0512247 rpt	179958 rpt	0.28	0.01	0.02	0.10		0.01	4.71	50.13	0.01	0.01	0.01	0.01	44.18	99.20
R0512248	179960	0.05	0.01	0.15	0.05		0.05	1.12	54.40	0.01	0.01	0.01	0.01	43.72	99.59
R0512249	179961	74.66	0.28	11.89	1.61		0.02	1.00	2.96	2.53	2.81	0.01	0.01	1.74	99.52
R0512250	179962	0.80	0.01	0.25	0.86		0.05	14.81	38.00	0.01	0.01	0.01	0.01	44.77	99.59
R0512251	179963	0.05	0.01	0.01	0.27		0.03	17.29	35.59	0.01	0.01	0.01	0.01	46.59	99.88
R0512252	179964	0.58	0.01	0.10	0.09		0.01	8.60	45.90	0.01	0.01	0.01	0.01	44.59	99.92
R0512253	179965	0.05	0.01	0.07	0.02		0.01	0.43	55.00	0.01	0.01	0.01	0.01	43.86	99.49
R0512254	179966	0.44	0.01	0.10	0.02		0.01	1.00	54.29	0.01	0.01	0.01	0.01	43.77	99.68
R0512255	179968	0.21	0.01	0.10	0.10		0.01	4.44	50.40	0.01	0.01	0.01	0.01	44.47	99.78
R0512256	179969	0.23	0.01	0.02	0.07		0.01	0.79	54.72	0.01	0.01	0.01	0.01	43.75	99.64
R0512257	179970	6.90	0.18	2.50	1.45		0.02	2.50	48.40	0.12	0.25	0.01	0.01	37.31	99.65
R0512258	179971	0.05	0.01	0.10	0.01		0.01	1.23	54.15	0.01	0.01	0.01	0.01	44.00	99.60
R0512259	179973	0.05	0.01	0.10	0.05		0.01	2.78	52.41	0.01	0.01	0.01	0.01	44.22	99.67
R0512260	179974	0.40	0.01	0.05	0.28		0.05	18.29	34.43	0.01	0.01	0.01	0.01	46.18	99.73
R0512261	179975	0.05	0.01	0.07	0.05		0.01	6.19	48.33	0.10	0.01	0.01	0.01	44.75	99.59
R0512262	179976	0.10	0.01	0.05	0.07		0.01	1.78	53.70	0.10	0.01	0.01	0.01	44.04	99.89
R0512263	179977	0.21	0.01	0.10	0.03		0.01	1.35	53.93	0.10	0.01	0.01	0.01	43.81	99.58
R0512264	179978	0.10	0.01	0.07	0.01		0.01	1.90	53.41	0.01	0.01	0.01	0.01	43.90	99.45
R0512265	179979	0.28	0.01	0.14	0.07		0.01	0.81	54.63	0.01	0.01	0.01	0.01	43.52	99.51
R0512266	179980	0.10	0.01	0.01	0.01		0.01	0.67	55.04	0.01	0.01	0.01	0.01	43.81	99.70
R0512267	179982	0.44	0.01	0.12	0.07		0.01	10.27	43.93	0.02	0.01	0.01	0.01	44.79	99.69
R0512267 rpt	179982 rpt	0.31	0.01	0.07	0.07		0.01	10.21	43.99	0.01	0.01	0.01	0.01	44.84	99.24

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512268	179985	0.03	0.01	0.01	0.01		0.01	3.90	51.58	0.01	0.01	0.01	0.01	44.24	99.83
R0512269	179986	0.44	0.01	0.15	0.05		0.01	0.94	54.52	0.01	0.01	0.01	0.01	43.68	99.84
R0512270	179987	0.10	0.01	0.21	0.14		0.01	11.96	41.75	0.02	0.01	0.01	0.01	45.63	99.86
R0512271	179988	0.50	0.01	0.02	0.03		0.01	4.28	50.63	0.01	0.01	0.01	0.01	44.04	99.56
R0512272	179989	0.21	0.01	0.02	0.02		0.01	8.51	45.81	0.01	0.01	0.01	0.01	44.86	99.49
R0512273	179990	0.21	0.01	0.02	0.07		0.01	15.73	37.56	0.01	0.01	0.01	0.01	46.09	99.74
R0512274	179991	0.05	0.01	0.10	0.01		0.01	4.78	50.52	0.01	0.01	0.01	0.01	44.36	99.88
R0512275	179992	0.56	0.01	0.10	0.02		0.01	3.58	51.40	0.01	0.01	0.01	0.01	43.88	99.60
R0512276	179993	0.05	0.01	0.10	0.02		0.01	0.77	54.59	0.01	0.01	0.01	0.01	44.00	99.59
R0512277	179994	0.25	0.01	0.12	0.05		0.01	1.41	54.02	0.01	0.01	0.01	0.01	43.79	99.70
R0512278	179995	0.10	0.01	0.02	0.02		0.01	0.56	54.90	0.01	0.01	0.01	0.01	43.74	99.40
R0512279	179996	0.76	0.01	0.01	0.05		0.01	0.56	54.84	0.01	0.01	0.01	0.01	43.27	99.55
R0512280	179997	1.12	0.01	0.07	0.30		0.01	0.80	54.22	0.01	0.01	0.01	0.01	42.95	99.52
R0512281	179998	46.22	0.89	18.55	10.46		0.11	3.80	10.81	1.50	2.75	0.18	0.03	3.60	98.90
R0512282	179999	0.05	0.01	0.01	0.07		0.01	0.34	55.38	0.01	0.01	0.01	0.01	43.81	99.72
R0512283	180000	0.28	0.01	0.05	0.20		0.02	0.34	55.11	0.01	0.01	0.01	0.01	43.47	99.52
R0512284	50801	0.17	0.01	0.02	0.05		0.01	0.34	55.20	0.01	0.01	0.01	0.01	43.65	99.49
R0512285	50802	0.62	0.01	0.23	0.18		0.01	0.51	54.74	0.01	0.01	0.01	0.01	43.13	99.47
R0512286	50803	2.94	0.01	0.01	0.01		0.01	0.34	53.79	0.01	0.01	0.01	0.01	42.34	99.49
R0512286 rpt	50803 rpt	3.06	0.01	0.02	0.02		0.01	0.34	53.74	0.01	0.01	0.01	0.01	42.29	96.47
R0512287	50805	0.10	0.01	0.01	0.02		0.01	0.67	55.04	0.01	0.01	0.01	0.01	43.93	99.83
R0512288	50806	0.10	0.01	0.01	0.02		0.01	2.13	53.27	0.01	0.01	0.01	0.01	44.02	99.61
R0512289	50807	0.05	0.01	0.12	0.07		0.01	9.67	44.83	0.01	0.01	0.01	0.01	45.06	99.86
R0512290	50808	0.40	0.01	0.17	0.21		0.01	8.10	46.27	0.01	0.01	0.01	0.01	44.43	99.64
R0512291	50809	0.09	0.01	0.05	0.05		0.01	1.34	54.16	0.01	0.01	0.01	0.01	44.04	99.79
R0512292	50810	0.05	0.01	0.01	0.03		0.01	3.23	52.13	0.01	0.01	0.01	0.01	44.31	99.82
R0512293	50811	0.05	0.01	0.01	0.02		0.01	3.00	52.11	0.01	0.01	0.01	0.01	44.33	99.58
R0512294	50812	0.05	0.01	0.01	0.54		0.03	20.27	31.95	0.01	0.01	0.01	0.01	46.93	99.83
R0512295	50813	0.10	0.01	0.05	0.02		0.01	2.48	52.66	0.01	0.01	0.01	0.01	44.20	99.57
R0512296	50814	0.05	0.01	0.15	0.30		0.01	17.54	34.91	0.01	0.01	0.01	0.01	46.52	99.53
R0512297	50815	1.74	0.01	0.10	0.34		0.02	8.38	45.04	0.01	0.01	0.01	0.01	44.11	99.78
R0512298	50816	0.17	0.01	0.01	0.07		0.01	7.40	47.15	0.01	0.01	0.01	0.01	44.65	99.51
R0512299	50817	0.88	0.01	0.01	0.07		0.01	9.35	44.54	0.02	0.01	0.01	0.01	44.66	99.58
R0512300	50818	0.10	0.01	0.01	0.03		0.01	1.91	53.41	0.01	0.01	0.01	0.01	44.06	99.58
R0512301	50819	0.10	0.01	0.01	0.01		0.01	1.25	54.18	0.01	0.01	0.01	0.01	44.09	99.70
R0512302	50820	0.31	0.01	0.01	0.10		0.01	7.71	46.81	0.01	0.01	0.01	0.01	44.84	99.84
R0512302 rpt	50820 rpt	0.28	0.01	0.01	0.10		0.01	7.73	46.75	0.01	0.01	0.01	0.01	44.79	99.44
R0512303	50821	0.05	0.01	0.01	0.02		0.01	0.67	55.09	0.01	0.01	0.01	0.01	43.88	99.78
R0512304	50822	0.05	0.01	0.05	0.02		0.01	0.34	55.13	0.01	0.01	0.01	0.01	43.90	99.55
R0512305	50823	0.05	0.01	0.01	0.01		0.01	0.56	55.02	0.01	0.01	0.01	0.01	43.95	99.66
R0512306	50824	0.05	0.01	0.01	0.01		0.01	5.69	49.20	0.01	0.01	0.01	0.01	44.65	99.67
R0512307	50825	0.05	0.01	0.01	0.14		0.01	5.96	48.83	0.01	0.01	0.01	0.01	44.75	99.80

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512308	50826	0.05	0.01	0.10	0.10		0.01	8.68	45.77	0.01	0.01	0.01	0.01	44.99	99.75
R0512309	50827	0.10	0.01	0.01	0.03		0.01	3.78	51.47	0.01	0.01	0.01	0.01	44.29	99.74
R0512310	50828	2.42	0.01	0.01	0.01		0.01	0.40	54.20	0.01	0.01	0.01	0.01	42.45	99.55
R0512311	50829	0.10	0.01	0.01	0.01		0.01	0.43	55.47	0.01	0.01	0.01	0.01	43.63	99.71
R0512312	50831	1.69	0.01	0.01	0.21		0.02	1.79	53.13	0.01	0.01	0.01	0.01	42.79	99.69
R0512313	50832	0.05	0.01	0.01	0.10		0.01	10.22	43.77	0.02	0.01	0.01	0.01	45.56	99.78
R0512313 rpt	50832 rpt	0.05	0.01	0.01	0.10		0.01	10.43	43.66	0.01	0.01	0.01	0.01	45.61	99.87
R0512314	50833	0.40	0.01	0.03	0.20		0.01	5.67	48.95	0.01	0.01	0.01	0.01	44.36	99.67
R0512315	50834	0.10	0.01	0.01	0.02		0.01	3.24	52.09	0.01	0.01	0.01	0.01	44.18	99.70
R0512316	50835	0.44	0.01	0.15	0.30		0.01	5.94	48.79	0.01	0.01	0.02	0.01	43.91	99.60
R0512317	50836	3.59	0.01	0.01	0.31		0.01	1.09	53.31	0.01	0.01	0.01	0.01	41.02	99.39
R0512318	50837	0.10	0.01	0.01	0.44		0.03	19.30	33.11	0.01	0.01	0.01	0.01	46.40	99.44
R0512319	50838	0.28	0.01	0.01	0.07		0.01	5.11	49.84	0.01	0.01	0.01	0.01	44.25	99.62
R0512320	50839	4.23	0.01	0.17	0.57		0.14	5.51	48.02	0.01	0.01	0.05	0.01	41.06	99.79
R0512321	50840	0.10	0.01	0.02	0.03		0.01	0.93	54.63	0.01	0.01	0.01	0.01	43.79	99.56
R0512322	50841	2.57	0.03	0.10	0.50		0.02	17.40	34.81	0.02	0.01	0.01	0.01	43.84	99.32
R0512323	50842	0.05	0.01	0.01	0.73		0.10	19.55	32.41	0.01	0.01	0.01	0.01	46.86	99.76
R0512324	50843	0.67	0.01	0.43	0.46		0.07	18.17	34.06	0.02	0.01	0.01	0.01	45.59	99.51
R0512325	50844	0.21	0.01	0.01	0.07		0.01	1.12	54.40	0.01	0.01	0.01	0.01	43.86	99.73
R0512326	50845	0.21	0.01	0.01	0.03		0.01	1.89	53.36	0.01	0.01	0.01	0.01	44.06	99.62
R0512327	50846	0.28	0.01	0.01	0.03		0.01	2.24	53.16	0.01	0.01	0.01	0.01	44.02	99.80
R0512328	50847	0.28	0.01	0.05	0.03		0.01	4.15	50.84	0.01	0.01	0.01	0.01	44.08	99.49
R0512329	50848	0.07	0.01	0.01	0.05		0.01	6.40	48.25	0.01	0.01	0.01	0.01	44.77	99.61
R0512330	50849	0.15	0.01	0.01	0.07		0.01	4.90	50.04	0.01	0.01	0.01	0.01	44.25	99.48
R0512331	50850	0.15	0.01	0.01	0.03		0.01	0.34	55.31	0.01	0.01	0.01	0.01	43.77	99.67
R0512332	50851	0.68	0.01	0.14	0.15		0.05	0.34	54.88	0.01	0.01	0.01	0.01	43.54	99.83
R0512333	50852	0.10	0.01	0.01	0.01		0.01	1.01	53.43	0.01	0.01	0.01	0.01	43.47	98.09
R0512334	50853	0.10	0.01	0.01	0.02		0.01	0.40	55.29	0.01	0.01	0.01	0.01	43.68	99.56
R0512335	50854	0.21	0.01	0.01	0.07		0.01	5.67	49.24	0.01	0.01	0.01	0.01	44.43	99.69
R0512336	50855	0.21	0.01	0.10	0.02		0.01	3.57	51.65	0.01	0.01	0.01	0.01	44.09	99.70
R0512337	50856	0.10	0.01	0.02	0.01		0.01	3.25	52.04	0.01	0.01	0.01	0.01	44.04	99.52
R0512338	50857	0.10	0.01	0.07	0.02		0.01	3.81	51.38	0.01	0.01	0.01	0.01	44.29	99.73
R0512339	50858	0.33	0.01	0.12	0.03		0.01	7.09	47.72	0.01	0.01	0.01	0.01	44.50	99.85
R0512340	50859	0.56	0.01	0.01	0.07		0.01	5.59	49.36	0.01	0.01	0.01	0.01	44.09	99.74
R0512340 rpt	50859 rpt	0.46	0.01	0.01	0.07		0.01	5.57	49.33	0.01	0.01	0.01	0.01	44.20	99.24
R0512341	50860	0.21	0.01	0.02	0.03		0.01	7.61	46.88	0.01	0.01	0.01	0.01	44.84	99.65
R0512342	50861	0.21	0.01	0.01	0.03		0.01	5.53	49.24	0.01	0.01	0.02	0.01	44.66	99.75
R0512343	50862	0.15	0.01	0.01	0.02		0.01	3.45	51.81	0.01	0.01	0.01	0.01	44.34	99.84
R0512344	50863	0.12	0.01	0.01	0.01		0.01	2.24	53.04	0.01	0.01	0.01	0.01	43.97	99.45
R0512345	50864	0.55	0.01	0.02	0.09		0.01	1.10	53.04	0.01	0.01	0.01	0.01	44.79	99.65
R0512346	50865	0.34	0.01	0.01	0.03		0.01	3.91	51.18	0.01	0.01	0.01	0.01	44.09	99.62
R0512347	50867	0.44	0.01	0.02	0.05		0.01	5.98	49.81	0.01	0.01	0.01	0.01	43.45	99.81

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512347 rpt	50867 rpt	0.49	0.01	0.01	0.05		0.01	5.98	49.65	0.01	0.01	0.01	0.01	43.45	99.20
R0512348	50868	0.36	0.01	0.01	0.07		0.01	20.95	38.18	0.01	0.01	0.01	0.01	40.13	99.76
R0512349	50869	0.05	0.01	0.05	0.10		0.01	23.96	36.08	0.01	0.01	0.01	0.01	39.45	99.75
R0512350	50870	0.91	0.01	0.02	0.02		0.05	2.40	52.91	0.01	0.01	0.01	0.01	43.34	99.70
R0512351	50871	0.56	0.01	0.25	0.15		0.01	0.79	54.58	0.01	0.01	0.01	0.01	43.31	99.70
R0512352	50872	0.36	0.01	0.15	0.05		0.01	0.56	55.06	0.01	0.01	0.01	0.01	43.47	99.71
R0512353	50873	1.13	0.01	0.14	0.15		0.01	4.48	50.43	0.01	0.01	0.01	0.01	42.50	98.89
R0512354	50874	0.10	0.01	0.15	0.07		0.02	1.58	54.00	0.01	0.01	0.01	0.01	43.74	99.71
R0512355	50875	0.62	0.01	0.05	0.33		0.01	3.08	52.58	0.01	0.01	0.01	0.01	42.72	99.44
R0512356	50876	0.23	0.01	0.02	0.02		0.01	0.89	54.84	0.01	0.01	0.01	0.01	43.72	99.78
R0512357	50877	0.27	0.01	0.15	0.09		0.01	3.14	52.00	0.01	0.01	0.01	0.01	43.88	99.59
R0512358	50878	0.10	0.01	0.02	0.10		0.01	4.44	50.52	0.01	0.01	0.01	0.01	44.34	99.58
R0512359	50880	0.10	0.01	0.02	0.01		0.01	1.90	53.61	0.01	0.01	0.01	0.01	43.86	99.56
R0512360	50881	0.18	0.01	0.12	0.07		0.02	2.46	52.84	0.01	0.01	0.01	0.01	44.06	99.80
R0512361	50882	0.44	0.01	0.02	0.03		0.01	3.91	51.18	0.01	0.01	0.01	0.01	44.08	99.72
R0512362	50884	0.33	0.01	0.21	0.20		0.01	12.30	41.27	0.33	0.01	0.01	0.01	45.11	99.80
R0512363	50885	0.10	0.01	0.02	0.05		0.01	0.89	54.52	0.01	0.01	0.01	0.01	43.90	99.54
R0512364	50886	0.10	0.01	0.01	0.01		0.01	4.21	50.97	0.01	0.01	0.01	0.01	44.41	99.77
R0512365	50887	0.17	0.01	0.01	0.01		0.01	5.32	49.50	0.01	0.01	0.01	0.01	44.50	99.57
R0512366	50888	0.10	0.01	0.01	0.01		0.01	0.79	54.99	0.01	0.01	0.01	0.01	43.81	99.77
R0512367	50890	0.10	0.01	0.01	0.54		0.10	18.37	34.16	0.02	0.01	0.05	0.01	46.27	99.65
R0512368	50891	0.10	0.01	0.01	0.12		0.01	4.55	50.58	0.01	0.01	0.01	0.01	44.38	99.80
R0512368 rpt	50891 rpt	0.10	0.01	0.01	0.12		0.01	4.44	50.66	0.01	0.01	0.01	0.01	44.43	99.72
R0512369	50892	0.10	0.01	0.02	0.05		0.01	1.52	53.91	0.01	0.01	0.01	0.01	43.88	99.54
R0512370	50893	0.05	0.01	0.01	0.18		0.01	18.31	34.09	0.31	0.01	0.01	0.01	46.74	99.74
R0512371	50894	0.55	0.01	0.28	0.10		0.01	4.17	50.66	0.05	0.02	0.02	0.01	43.68	99.56
R0512372	50895	0.21	0.01	0.01	0.02		0.01	0.46	55.18	0.01	0.01	0.01	0.01	43.79	99.73
R0512373	50896	0.55	0.01	0.01	0.10		0.01	10.97	42.81	0.05	0.01	0.01	0.01	45.11	99.65
R0512374	50897	38.90	0.03	1.20	0.60		0.02	2.07	31.00	0.01	0.01	0.02	0.01	25.12	98.99
R0512375	50898	1.62	0.01	0.01	0.05		0.01	0.80	53.97	0.01	0.01	0.02	0.01	43.18	99.70
R0512376	50899	0.34	0.01	0.10	0.05		0.01	0.56	54.86	0.01	0.01	0.01	0.01	43.68	99.65
R0512377	50900	1.00	0.01	0.14	0.05		0.01	1.36	53.86	0.01	0.01	0.01	0.01	43.34	99.81
R0512378	50901	0.21	0.01	0.01	0.30		0.02	2.24	52.84	0.01	0.01	0.01	0.01	43.90	99.57
R0512379	50902	2.59	0.02	0.43	1.41		0.11	17.93	49.65	0.03	0.01	0.07	0.01	27.69	99.95
R0512380	50903	1.63	0.01	0.34	0.25		0.01	16.87	35.36	0.01	0.01	0.01	0.01	45.20	99.71
R0512381	50904	0.10	0.01	0.02	0.41		0.02	0.46	54.91	0.02	0.01	0.01	0.01	43.50	99.48
R0512382	50905	0.10	0.01	0.10	0.07		0.01	0.67	54.83	0.01	0.01	0.01	0.01	43.93	99.76
R0512383	50906	0.44	0.01	0.12	0.07		0.01	5.90	48.86	0.01	0.01	0.01	0.01	44.31	99.76
R0512384	50907	0.28	0.01	0.17	0.10		0.01	1.46	53.79	0.01	0.01	0.01	0.01	43.84	99.70
R0512385	50909	0.58	0.01	0.10	0.05		0.01	8.46	46.20	0.01	0.01	0.01	0.01	44.31	99.76
R0512386	50910	0.33	0.01	0.03	0.02		0.01	5.90	49.08	0.01	0.01	0.01	0.01	44.34	99.76
R0512387	50911	0.94	0.01	0.33	0.18		0.01	16.21	36.93	0.01	0.01	0.01	0.01	45.20	99.85

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512388	50912	0.21	0.01	0.02	0.03		0.01	0.67	54.97	0.01	0.01	0.01	0.01	43.88	99.84
R0512389	50913	0.05	0.01	0.02	0.09		0.01	17.80	35.09	0.01	0.01	0.01	0.01	46.66	99.77
R0512390	50914	0.10	0.01	0.14	0.15		0.01	18.60	34.09	0.02	0.01	0.05	0.01	46.56	99.75
R0512391	50915	0.21	0.01	0.02	0.03		0.01	10.22	44.18	0.01	0.01	0.01	0.01	45.04	99.76
Rpt. Value	STD:NBS-88b	1.05	0.01	0.36	0.27		0.01	21.12	29.77	0.01	0.05	0.01	0.01	46.93	98.55
Ref. Value	STD:NBS-88b	1.12	0.01	0.34	0.28		0.01	21.03	29.95	0.01	0.10	0.01	0.01	46.97	99.86

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised
If requested analyses are not shown, results are to follow

ANALYTICAL METHODS

FeO determined by acid digestion /volumetric.LOI determined gravimetrically
Other elements by Li borate fusion/XRF. Where no FeO value shown "Fe2O3" is total Fe as Fe2O3

Paul G. J. Co

Paul G. J. Co, Chemist, Teck Cominco G.D.L.

COMMENTS

Rpt. Value = Repeated value of standard
Ref. Value = Reference value of standard
STD: NBS-88b = Certified Reference Material Standard

Report date: 27 JUNE 2005

Job V05-0416R

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512072	19496	1.12	0.01	0.01	0.15		0.05	0.46	54.54	0.01	0.01	0.01	0.01	43.40	99.78
R0512073	b359201	3.20	0.01	0.07	0.14		0.05	4.80	48.50	0.01	0.01	0.01	0.01	42.86	99.67
R0512074	b359202	0.34	0.01	0.01	0.03		0.01	2.79	52.56	0.01	0.01	0.01	0.01	43.95	99.74
R0512075	b359203	0.10	0.01	0.02	0.07		0.01	1.49	54.11	0.01	0.01	0.01	0.01	43.74	99.59
R0512076	b359204	1.25	0.01	0.01	0.05		0.01	0.34	54.70	0.01	0.01	0.01	0.01	43.25	99.66
R0512077	b359205	0.10	0.01	0.01	0.20		0.02	16.38	36.61	0.01	0.01	0.01	0.01	46.45	99.82
R0512078	b359206	0.44	0.01	0.01	0.10		0.05	3.05	52.13	0.01	0.01	0.01	0.01	43.83	99.66
R0512079	b359207	2.14	0.01	0.01	0.11		0.12	2.30	52.68	0.01	0.01	0.01	0.01	42.34	99.75
R0512080	b359208	0.23	0.01	0.01	0.05		0.01	0.79	54.68	0.01	0.01	0.01	0.01	43.72	99.54
R0512081	b359209	47.40	1.11	16.19	10.36		0.15	8.52	9.31	2.93	0.60	0.12	0.01	3.06	99.76
R0512082	b359211	0.34	0.01	0.17	0.10		0.01	0.86	54.72	0.01	0.02	0.01	0.01	43.59	99.85
R0512083	b359212	0.44	0.02	0.28	0.30		0.01	1.36	53.93	0.01	0.07	0.01	0.01	43.22	99.66
R0512084	b359213	0.10	0.01	0.01	0.03		0.01	0.34	55.54	0.01	0.01	0.01	0.01	43.79	99.87
R0512085	b359214	0.46	0.01	0.01	0.07		0.02	1.25	54.22	0.01	0.01	0.01	0.01	43.68	99.76
R0512086	b359215	0.18	0.01	0.01	0.02		0.01	3.13	52.34	0.01	0.01	0.01	0.01	44.06	99.80
R0512087	b359217	0.44	0.01	0.07	0.07		0.01	2.36	53.02	0.01	0.01	0.01	0.01	43.56	99.58
R0512088	b359218	0.79	0.01	0.01	0.05		0.01	1.69	53.45	0.01	0.01	0.01	0.01	43.58	99.63
R0512088 rpt	b359218 rpt	0.79	0.01	0.02	0.07		0.01	1.70	53.36	0.01	0.01	0.01	0.01	43.58	98.79
R0512089	b359219	0.10	0.01	0.01	0.01		0.01	0.57	55.08	0.01	0.01	0.01	0.01	43.79	99.62
R0512090	b359220	0.10	0.01	0.01	0.05		0.01	0.28	55.43	0.01	0.01	0.01	0.01	43.77	99.70
R0512091	b359221	0.34	0.01	0.23	0.15		0.01	1.36	54.13	0.01	0.01	0.01	0.01	43.43	99.70
R0512092	b359222	0.10	0.01	0.01	0.09		0.01	7.48	47.22	0.01	0.01	0.01	0.01	44.95	99.91
R0512093	b359223	0.10	0.01	0.01	0.02		0.01	0.38	55.43	0.01	0.01	0.01	0.01	43.77	99.77
R0512094	b359224	0.10	0.01	0.01	0.05		0.01	1.12	54.59	0.01	0.01	0.01	0.01	43.95	99.88
R0512095	b359225	2.18	0.01	0.54	1.60		0.11	10.77	41.43	0.01	0.01	0.01	0.01	40.79	97.47
R0512095 rpt	b359225 rpt	2.14	0.01	0.52	1.62		0.12	10.67	41.52	0.01	0.01	0.01	0.01	40.84	95.34
R0512096	b359226	0.10	0.01	0.01	0.31		0.02	18.75	33.88	0.01	0.01	0.01	0.01	46.72	99.84
R0512097	b359227	0.10	0.01	0.01	0.07		0.01	12.51	41.58	0.01	0.01	0.01	0.01	45.63	99.96
R0512098	b359228	0.10	0.01	0.01	0.02		0.01	0.89	54.74	0.01	0.01	0.01	0.01	44.02	99.84
R0512099	b359230	0.10	0.01	0.01	0.05		0.01	1.12	54.50	0.01	0.01	0.01	0.01	44.04	99.88
R0512100	b359231	0.21	0.01	0.02	0.17		0.01	3.14	52.20	0.01	0.01	0.01	0.01	43.97	99.77
R0512101	b359232	0.10	0.01	0.01	0.07		0.01	0.34	55.43	0.01	0.01	0.01	0.01	43.90	99.91
R0512102	b359233	0.10	0.01	0.01	0.03		0.01	0.40	55.43	0.01	0.01	0.01	0.01	43.88	99.91
R0512103	b359234	0.10	0.01	0.01	0.05		0.01	0.93	54.74	0.01	0.01	0.01	0.01	44.02	99.91
R0512104	b359235	0.10	0.01	0.01	0.03		0.01	0.28	55.29	0.01	0.01	0.01	0.01	43.93	99.70
R0512105	b359236	0.10	0.01	0.10	0.37		0.10	18.85	33.59	0.01	0.01	0.01	0.01	46.61	99.77

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512106	b359237	0.21	0.01	0.01	0.09		0.01	6.96	47.79	0.01	0.01	0.01	0.01	44.77	99.89
R0512107	b359238	0.21	0.01	0.12	0.03		0.01	1.59	53.90	0.01	0.01	0.01	0.01	43.95	99.86
R0512108	b359239	0.05	0.01	0.01	0.02		0.01	1.12	54.38	0.01	0.01	0.01	0.01	44.15	99.79
R0512109	b359240	0.05	0.01	0.02	0.07		0.02	1.78	53.70	0.01	0.01	0.01	0.01	44.16	99.85
R0512110	b359241	0.17	0.01	0.01	0.07		0.03	1.58	53.90	0.01	0.01	0.01	0.01	43.90	99.71
R0512111	b359242	3.41	0.01	0.01	0.09		0.01	0.23	53.65	0.01	0.01	0.01	0.01	42.25	99.70
R0512112	b359243	0.10	0.01	0.01	0.02		0.01	0.60	54.97	0.01	0.01	0.01	0.01	43.81	99.57
R0512113	b359244	0.05	0.01	0.01	0.01		0.01	0.25	55.54	0.01	0.01	0.01	0.01	43.88	99.80
R0512114	b359245	6.13	0.01	0.01	0.03		0.01	0.23	51.88	0.01	0.01	0.01	0.01	41.02	99.36
R0512115	b359246	0.25	0.01	0.02	0.02		0.01	0.89	54.54	0.01	0.01	0.01	0.01	43.75	99.53
R0512116	b359247	0.05	0.01	0.01	0.01		0.01	0.51	55.27	0.01	0.01	0.01	0.01	43.93	99.84
R0512117	b359248	0.05	0.01	0.01	0.02		0.01	3.75	51.40	0.01	0.01	0.01	0.01	44.25	99.54
R0512118	b359249	0.17	0.01	0.02	0.03		0.01	1.90	53.43	0.01	0.01	0.01	0.01	43.86	99.47
R0512119	b359250	0.17	0.01	0.01	0.01		0.01	0.67	55.11	0.01	0.01	0.01	0.01	43.77	99.80
R0512119 rpt	b359250 rpt	0.18	0.01	0.01	0.02		0.01	0.58	55.18	0.01	0.01	0.01	0.01	43.66	99.51
R0512120	b359251	0.25	0.01	0.01	0.01		0.02	0.44	55.11	0.01	0.01	0.01	0.01	43.72	99.61
R0512121	b359252	0.10	0.01	0.02	0.05		0.01	13.43	40.20	0.01	0.01	0.01	0.01	45.81	99.67
R0512122	b359253	0.05	0.01	0.05	0.27		0.02	20.64	31.70	0.10	0.01	0.01	0.01	46.79	99.66
R0512123	b359254	0.05	0.01	0.01	0.10		0.01	1.00	54.54	0.01	0.01	0.01	0.01	43.88	99.64
R0512124	b359255	0.23	0.01	0.05	0.05		0.01	1.17	54.52	0.01	0.01	0.01	0.01	43.66	99.74
R0512125	b359256	0.17	0.01	0.01	0.07		0.01	2.49	53.00	0.01	0.01	0.01	0.01	44.08	99.88
R0512126	b359257	0.17	0.01	0.05	0.07		0.01	4.23	51.11	0.01	0.01	0.01	0.01	44.15	99.84
R0512127	b359258	0.28	0.01	0.01	0.02		0.01	3.25	52.22	0.01	0.01	0.01	0.01	43.95	99.79
R0512128	b359259	0.33	0.01	0.21	0.28		0.01	4.32	50.65	0.01	0.01	0.01	0.01	43.84	99.69
R0512129	b359260	0.28	0.01	0.01	0.02		0.01	0.91	54.75	0.01	0.01	0.01	0.01	43.70	99.73
R0512130	b359261	0.17	0.01	0.01	0.01		0.01	3.24	52.06	0.01	0.01	0.01	0.01	44.09	99.64
R0512131	b359262	0.28	0.01	0.02	0.03		0.01	2.69	52.88	0.01	0.02	0.01	0.01	43.86	99.83
R0512132	b359263	0.10	0.01	0.01	0.02		0.01	1.46	54.29	0.01	0.01	0.01	0.01	43.84	99.78
R0512132 rpt	b359263 rpt	0.05	0.01	0.02	0.02		0.01	1.39	54.47	0.01	0.01	0.01	0.01	43.84	99.80
R0512133	b359264	0.62	0.01	0.01	0.02		0.01	0.34	55.24	0.01	0.01	0.01	0.01	43.52	99.81
R0512134	b359265	0.37	0.01	0.15	0.18		0.10	1.07	51.09	0.01	0.01	0.01	0.01	46.72	99.73
R0512135	b359266	0.40	0.01	0.15	0.11		0.02	0.79	54.61	0.01	0.01	0.01	0.01	43.63	99.76
R0512136	b359267	0.44	0.01	0.11	0.05		0.01	0.44	55.13	0.01	0.02	0.01	0.01	43.61	99.85
R0512137	b359268	0.18	0.01	0.02	0.03		0.01	0.67	55.13	0.01	0.01	0.01	0.01	43.84	99.93
R0512138	b359269	1.24	0.01	0.02	0.02		0.01	3.61	51.38	0.01	0.01	0.01	0.01	43.40	99.73
R0512139	b359270	0.34	0.01	0.01	0.07		0.01	2.80	52.52	0.02	0.01	0.01	0.01	43.97	99.78
R0512140	b359271	0.44	0.01	0.15	0.09		0.01	1.36	54.22	0.02	0.01	0.01	0.01	43.50	99.83
R0512141	b359272	0.25	0.01	0.01	0.05		0.01	0.91	54.88	0.07	0.01	0.01	0.01	43.72	99.94
R0512142	b359273	0.15	0.01	0.10	0.05		0.01	0.95	54.86	0.07	0.01	0.01	0.01	43.61	99.84
R0512143	b359274	0.10	0.01	0.10	0.07		0.01	1.35	54.40	0.01	0.01	0.01	0.01	43.68	99.76
R0512144	b359275	0.05	0.01	0.09	0.10		0.01	4.69	50.56	0.01	0.01	0.01	0.01	44.18	99.73
R0512145	b359277	2.10	0.03	0.66	0.28		0.01	1.75	49.84	0.01	0.02	0.01	0.01	44.93	99.65

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512146	b359278	0.91	0.01	0.01	0.07		0.05	1.25	54.24	0.01	0.01	0.01	0.01	43.25	99.83
R0512147	b359279	0.27	0.01	0.01	0.02		0.01	3.02	52.31	0.02	0.01	0.01	0.01	44.06	99.76
R0512148	b359280	0.28	0.01	0.10	0.05		0.01	1.69	53.81	0.02	0.01	0.01	0.01	43.81	99.81
R0512149	b359281	0.10	0.01	0.05	0.03		0.01	2.26	53.24	0.01	0.01	0.01	0.01	44.06	99.80
R0512150	b359282	0.44	0.01	0.14	0.10		0.01	1.47	53.90	0.01	0.02	0.01	0.01	43.54	99.66
R0512151	b359283	1.44	0.01	0.05	0.15		0.01	2.17	53.16	0.01	0.01	0.01	0.01	42.83	99.86
R0512152	b359284	0.34	0.01	0.01	0.05		0.01	2.35	53.08	0.01	0.01	0.01	0.01	43.77	99.66
R0512153	b359285	0.05	0.01	0.01	0.01		0.01	0.34	55.43	0.01	0.01	0.01	0.01	43.88	99.78
R0512154	b359286	0.05	0.01	0.01	0.03		0.01	0.25	55.59	0.01	0.01	0.01	0.01	43.86	99.85
R0512155	b359287	0.05	0.01	0.01	0.01		0.01	0.44	55.41	0.01	0.01	0.01	0.01	43.90	99.88
R0512155 rpt	b359287 rpt	0.10	0.01	0.01	0.01		0.01	0.37	55.49	0.01	0.01	0.01	0.01	43.72	99.66
R0512156	b359288	0.05	0.01	0.05	0.01		0.01	0.44	55.38	0.01	0.01	0.01	0.01	43.86	99.85
R0512157	b359289	1.25	0.01	0.01	0.05		0.01	0.36	54.74	0.01	0.01	0.01	0.01	43.33	99.80
R0512158	b359290	0.21	0.01	0.01	0.01		0.01	0.34	55.38	0.01	0.01	0.01	0.01	43.77	99.78
R0512159	b359291	0.05	0.01	0.01	0.01		0.01	4.00	51.27	0.01	0.01	0.01	0.01	44.43	99.83
R0512160	b359292	0.10	0.01	0.01	0.01		0.01	2.56	52.84	0.01	0.01	0.01	0.01	44.09	99.67
R0512161	b359293	0.34	0.02	0.05	0.05		0.01	0.34	55.25	0.01	0.01	0.01	0.01	43.52	99.62
R0512162	b359294	0.56	0.02	0.01	0.01		0.01	3.49	51.65	0.01	0.01	0.01	0.01	43.70	99.49
R0512163	b359295	0.05	0.01	0.01	0.01		0.01	1.00	54.70	0.01	0.01	0.01	0.01	43.81	99.64
R0512164	b359296	0.05	0.01	0.01	0.01		0.01	0.81	54.83	0.01	0.01	0.01	0.01	44.04	99.81
R0512165	b359297	0.05	0.01	0.01	0.01		0.01	0.67	54.84	0.01	0.01	0.01	0.01	43.90	99.54
R0512166	b359298	0.05	0.01	0.01	0.02		0.01	7.38	47.41	0.01	0.01	0.01	0.01	44.86	99.79
R0512167	b359299	0.56	0.01	0.37	0.20		0.03	7.90	46.25	0.01	0.01	0.01	0.01	44.27	99.63
R0512168	b359300	0.56	0.01	0.01	0.05		0.01	0.56	55.02	0.01	0.01	0.01	0.01	43.65	99.91
R0512169	b359301	0.17	0.01	0.01	0.07		0.01	0.92	54.66	0.01	0.01	0.01	0.01	43.93	99.82
R0512170	b359302	0.10	0.01	0.01	0.01		0.01	0.44	55.41	0.01	0.01	0.01	0.01	43.74	99.77
R0512171	b359303	0.10	0.01	0.01	0.01		0.01	1.48	54.22	0.01	0.01	0.01	0.01	43.99	99.87
R0512172	b359304	0.17	0.01	0.01	0.02		0.01	0.79	55.04	0.01	0.01	0.01	0.01	43.61	99.70
R0512173	b359305	0.43	0.01	0.02	0.07		0.01	8.10	46.45	0.01	0.01	0.01	0.01	44.54	99.67
R0512174	b359306	0.93	0.02	0.27	0.12		0.01	18.32	34.11	0.01	0.01	0.01	0.01	45.61	99.43
R0512175	b359307	0.01	0.01	0.01	0.01		0.01	4.78	50.56	0.01	0.01	0.01	0.01	44.43	99.86
R0512176	b359308	0.21	0.01	0.01	0.03		0.01	5.42	49.24	0.01	0.01	0.01	0.01	44.66	99.63
R0512177	b359309	0.10	0.01	0.01	0.02		0.01	4.98	49.93	0.01	0.01	0.01	0.01	44.65	99.75
R0512178	b359310	0.56	0.01	0.01	0.05		0.01	6.44	48.15	0.01	0.01	0.01	0.01	44.43	99.70
R0512179	b359311	1.11	0.02	0.30	0.18		0.01	18.70	34.31	0.01	0.01	0.01	0.01	44.63	99.30
R0512179 rpt	b359311 rpt	1.08	0.01	0.27	0.17		0.01	18.70	33.93	0.01	0.01	0.01	0.01	45.61	98.74
R0512180	b359312	0.28	0.01	0.01	0.01		0.01	7.98	46.56	0.01	0.01	0.01	0.01	44.95	99.85
R0512181	b359313	0.27	0.01	0.01	0.02		0.01	0.67	54.93	0.01	0.01	0.01	0.01	43.77	99.73
R0512182	b359314	0.44	0.01	0.01	0.01		0.01	0.44	55.08	0.01	0.01	0.01	0.01	43.59	99.63
R0512183	b359316	0.10	0.01	0.01	0.03		0.01	1.35	54.40	0.01	0.01	0.01	0.01	43.91	99.86
R0512184	b359315	0.81	0.01	0.01	0.07		0.01	0.47	54.61	0.01	0.01	0.01	0.01	43.34	99.37
R0512185	b359317	0.56	0.01	0.25	0.07		0.01	0.62	54.77	0.01	0.07	0.01	0.01	43.54	99.93

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512186	b359318	0.05	0.01	0.01	0.01		0.01	6.07	49.95	0.01	0.01	0.01	0.01	43.74	99.89
R0512187	b359319	0.62	0.01	0.01	0.05		0.01	1.97	53.45	0.01	0.01	0.01	0.01	43.74	99.90
R0512188	b359320	0.38	0.01	0.01	0.01		0.01	0.76	54.79	0.01	0.01	0.01	0.01	43.61	99.62
R0512189	b359321	2.18	0.01	0.01	0.07		0.01	1.49	53.47	0.01	0.01	0.01	0.01	42.65	99.93
R0512190	b359322	0.05	0.01	0.01	0.17		0.01	14.63	38.72	0.01	0.01	0.01	0.01	46.20	99.84
R0512191	b359323	0.21	0.01	0.01	0.05		0.01	6.44	48.24	0.01	0.01	0.01	0.01	44.68	99.69
R0512192	b359324	0.27	0.01	0.01	0.10		0.02	9.32	44.91	0.01	0.01	0.01	0.01	45.09	99.77
R0512193	b359325	0.33	0.01	0.33	0.18		0.01	7.28	47.33	0.01	0.01	0.01	0.01	44.45	99.96
R0512194	b359326	0.67	0.01	0.05	0.12		0.01	3.71	51.40	0.01	0.01	0.01	0.01	43.81	99.82
R0512194 rpt	b359326 rpt	0.67	0.01	0.07	0.12		0.01	3.65	51.45	0.01	0.01	0.01	0.01	43.88	99.23
R0512195	b359327	0.68	0.01	0.07	0.05		0.01	2.65	52.56	0.01	0.01	0.01	0.01	43.59	99.66
R0512196	b359328	0.66	0.01	0.10	0.10		0.01	4.61	50.61	0.01	0.01	0.01	0.01	43.75	99.89
R0512197	b359329	0.21	0.01	0.15	0.21		0.01	11.22	42.86	0.01	0.01	0.01	0.01	45.04	99.75
R0512198	b359330	0.10	0.01	0.01	0.05		0.01	0.72	54.95	0.01	0.01	0.01	0.01	43.99	99.88
R0512199	b359331	0.21	0.01	0.02	0.07		0.01	2.80	52.52	0.01	0.01	0.01	0.01	44.24	99.92
R0512200	b359332	0.05	0.01	0.01	0.02		0.01	5.09	49.91	0.01	0.01	0.01	0.01	44.77	99.91
R0512201	b359333	0.21	0.01	0.01	0.01		0.01	2.00	53.47	0.01	0.01	0.01	0.01	44.06	99.82
R0512202	b359334	0.05	0.01	0.01	0.01		0.01	0.15	55.52	0.01	0.01	0.01	0.01	43.81	99.61
R0512203	b359335	0.10	0.01	0.01	0.01		0.01	0.62	55.02	0.01	0.01	0.01	0.01	43.97	99.79
R0512204	b359336	0.21	0.01	0.02	0.02		0.01	1.12	54.56	0.01	0.01	0.01	0.01	43.97	99.96
R0512205	b359349	0.05	0.01	0.01	0.02		0.01	5.07	49.90	0.01	0.01	0.01	0.01	44.79	99.90
R0512206	b359337	0.05	0.01	0.01	0.01		0.01	1.02	54.63	0.01	0.01	0.01	0.01	43.97	99.75
R0512207	b359338	0.98	0.01	0.43	0.37		0.01	19.51	32.81	0.01	0.01	0.01	0.01	45.49	99.65
R0512208	b359339	0.05	0.01	0.03	0.34		0.21	3.90	50.95	0.01	0.01	0.01	0.01	44.29	99.82
R0512209	b359340	0.12	0.01	0.01	0.07		0.01	12.06	41.97	0.01	0.01	0.01	0.01	45.63	99.92
R0512210	b359341	0.17	0.01	0.01	0.01		0.01	0.88	54.74	0.01	0.01	0.01	0.01	43.90	99.77
R0512211	b359342	0.05	0.01	0.01	0.01		0.01	3.89	51.38	0.01	0.01	0.01	0.01	44.50	99.90
R0512212	b359343	0.20	0.01	0.09	0.12		0.01	2.41	52.86	0.01	0.01	0.01	0.01	44.24	99.98
R0512213	b359344	0.05	0.01	0.01	0.01		0.01	0.34	55.50	0.01	0.01	0.01	0.01	43.93	99.90
R0512214	b359345	0.05	0.01	0.01	0.01		0.01	2.92	52.58	0.01	0.01	0.01	0.01	44.29	99.92
R0512215	b359346	0.05	0.01	0.01	0.01		0.01	0.56	55.22	0.01	0.01	0.01	0.01	43.93	99.84
R0512216	b359347	0.10	0.01	0.02	0.02		0.01	8.23	46.36	0.01	0.01	0.01	0.01	45.06	99.85
R0512217	b359348	0.05	0.01	0.01	0.01		0.01	0.85	54.86	0.01	0.01	0.01	0.01	44.02	99.86
R0512218	b359350	0.20	0.01	0.05	0.15		0.01	3.47	51.84	0.01	0.01	0.01	0.01	44.02	99.79
R0512219	b359351	0.21	0.01	0.02	0.02		0.01	6.71	48.20	0.01	0.01	0.01	0.01	44.70	99.92
R0512220	b359352	0.10	0.01	0.01	0.01		0.01	1.71	53.79	0.01	0.01	0.01	0.01	44.20	99.88
R0512221	b359353	0.05	0.01	0.01	0.02		0.01	6.50	48.36	0.01	0.01	0.01	0.01	44.90	99.90
R0512222	b359354	0.34	0.01	0.01	0.01		0.01	2.13	53.24	0.01	0.01	0.01	0.01	44.02	99.81
R0512223	b359355	0.88	0.01	0.01	0.20		0.01	9.97	44.13	0.01	0.01	0.01	0.01	44.61	99.86
R0512224	b359356	0.54	0.01	0.01	1.39		0.10	19.98	31.26	0.01	0.01	0.01	0.01	46.27	99.60
R0512225	b359357	0.05	0.01	0.01	0.02		0.01	3.99	51.29	0.01	0.01	0.01	0.01	44.54	99.96
R0512226	b359358	0.10	0.01	0.01	0.10		0.01	7.84	46.70	0.01	0.01	0.01	0.01	45.06	99.87

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba(F) %	LOI %	Total %
R0512227	b359359	0.10	0.01	0.01	0.01		0.01	0.54	55.29	0.01	0.01	0.01	0.01	43.93	99.94
R0512228	b359360	0.76	0.01	0.37	0.61		0.02	14.84	37.81	0.01	0.01	0.01	0.01	45.20	99.66
R0512228 rpt	b359360 rpt	0.76	0.01	0.43	0.61		0.03	14.85	37.91	0.01	0.01	0.01	0.01	45.22	99.10
R0512229	b359361	0.10	0.01	0.02	0.01		0.01	1.80	53.59	0.01	0.01	0.01	0.01	44.18	99.76
R0512230	b359362	0.21	0.01	0.10	0.09		0.01	10.65	43.22	0.01	0.01	0.01	0.01	45.43	99.76
R0512231	b359363	0.79	0.01	0.02	0.11		0.02	2.50	52.52	0.01	0.01	0.01	0.01	43.88	99.89
R0512232	b359364	1.09	0.01	0.01	0.01		0.01	0.44	54.75	0.01	0.01	0.01	0.01	43.43	99.79
R0512233	b359365	0.68	0.01	0.01	0.01		0.01	0.89	54.47	0.01	0.01	0.01	0.01	43.56	99.68
Rpt. Value	STD:NBS-88b	1.05	0.01	0.34	0.27		0.01	21.12	29.76	0.01	0.07	0.01	0.01	46.93	99.59
Ref. Value	STD:NBS-88b	1.12	0.01	0.34	0.28		0.01	21.03	29.95	0.01	0.10	0.01	0.01	46.97	99.86

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised
 If requested analyses are not shown, results are to follow

ANALYTICAL METHODS

FeO determined by acid digestion /volumetric.LOI determined gravimetrically
 Other elements by LI borate fusion/XRF. Where no FeO value shown "Fe2O3" is total Fe as Fe2O3

COMMENTS

Rpt. Value = Repeated value of standard
 Ref. Value = Reference value of standard
 STD: NBS-88b = Certified Reference Material Standard

APPENDIX - E

EAGLE MAPPING TOPOGRAPHY MAPS

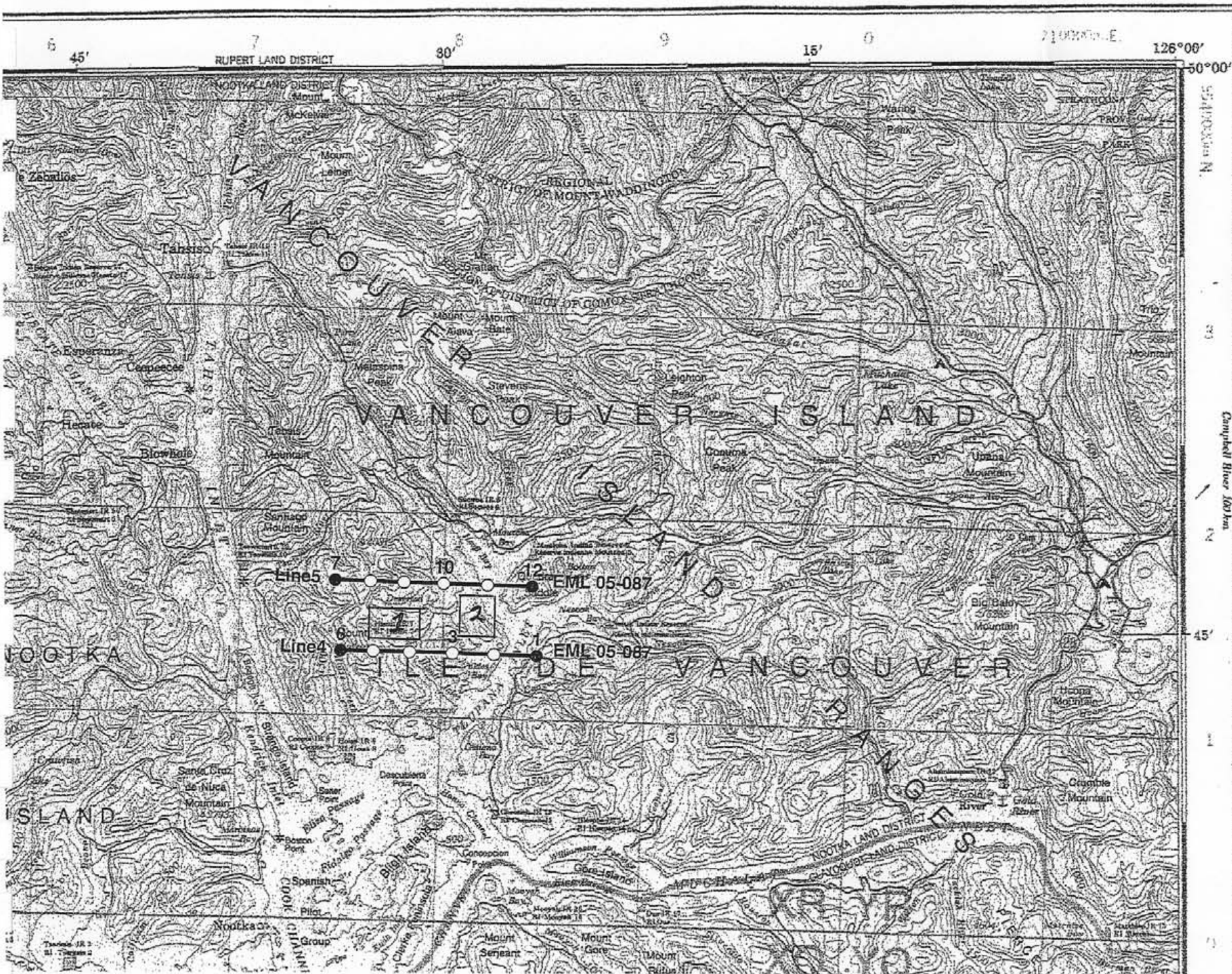


PHOTO FLIGHT INDEX

Tofino
for
Eagle Mapping Ltd.

JOB No. 05-087 NTS SHEET 92 E

Roll No.: EML 05-087
 Date: 17 July 2005
 Camera: Wild RC 20 w/FMC CFL 153.334 mm
 Film: Agfa Aviphot X100 PE1 color neg.
 Filter: 420 nm AV 2X
 Nominal Scale: 1:20,000

Line	Frame Numbers	Altitude (ft.,asl)
4	1-6	12,500
5	7-12	11,000



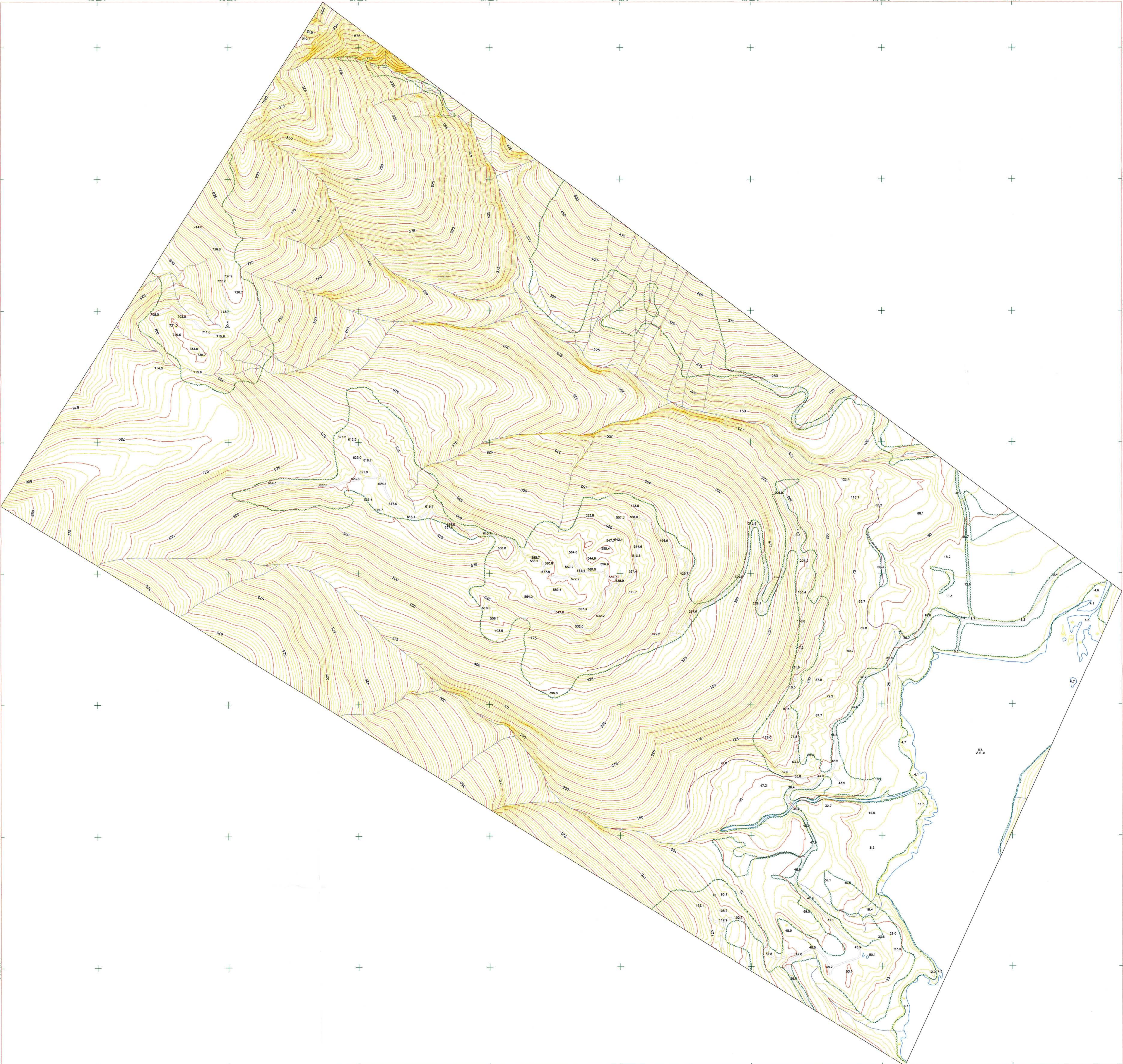
*Areas of Detailed
Topography 1+2*



SELKIRK REMOTE SENSING LTD.
 4380 Agar Drive
 Richmond, BC
 Canada, V7B 1A3

Telephone (604) 276-8111
 Email - selkirk@selkirk.com

Fax (604) 276-8061
 Web - www.selkirk.com

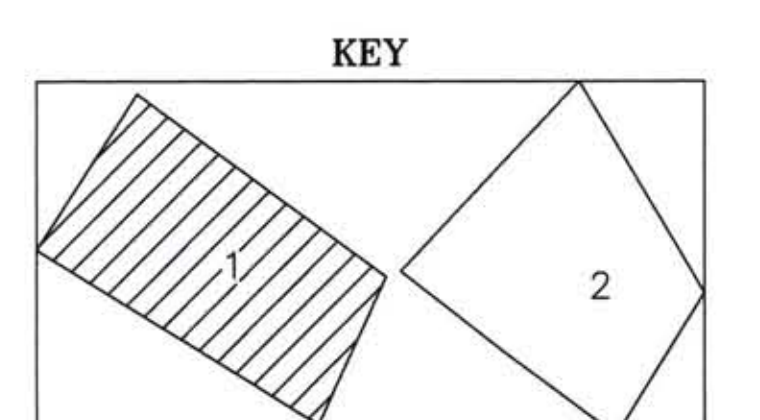


LEGEND

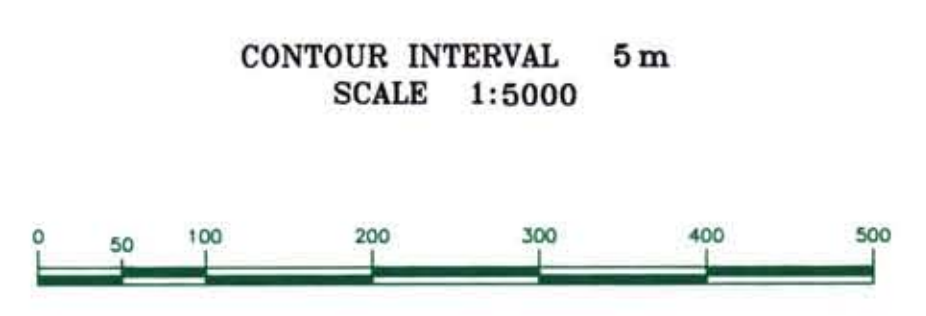
INDEX CONTOUR	— 2400 —
INTERMEDIATE CONTOUR	— — —
DEPRESSION CONTOUR	— — —
STREAM / RIVER	— — —
INTERMITTENT STREAM	— — —
HOLOGRAPHIC STREAM	— — —
DITCH	— — —
AQUEDUCT	— — —
TREES	— — —
SINGLE TREE	— — —
BRUSH / SCRUB	— — —
SWAMP	— — —
PAVED ROAD	— — —
GRAVEL ROAD	— — —
ROUGH ROAD	— — —
FOOTPATH	— — —
FENCE	— — —
WALL	— — —
CULVERT	— — —
UTILITY POLE	— — —
BUILDING / SYMBOL	— — —
SPOT HEIGHT	— — —
CONTROL POINT	— — —
PHOTOCENTRE	— — —



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
28,386




**DOUBLESTAR
RESOURCES**
CENTURY LIMESTONE PROJECT



PRODUCED FROM AERIAL PHOTOGRAPHY FLOWN: July 17, 2005
PHOTO SCALE: 1:20,000
CONTROL BY: TRM (Vertical adjustment to correct MSL.)
HORIZONTAL DATUM: UTM NAD 83 ZONE 9
VERTICAL DATUM: GEODETIC
REVISION: 00
REV. DATE: Aug. 23 /2005
APPROVED: ND

COMPILED BY: EAGLE MAPPING LTD.
PROJECT NO.: 05-087
URL: www.eaglemapping.com




 GEOLOGICAL SURVEY OF CANADA
 CENTURY LIMESTONE PROJECT
 CENTURY LIMESTONE BY MgO%
 ● 5 to 100 (143)
 ○ 2 to 5 (112)
 ○ 0.1 to 2 (102)
 ○ 0 to 0.1 (120)

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

28,386

Figure 7 - MgO% Plot

Doublestar Resources Ltd.
 Century Limestone Project
 2005 Sample Locations

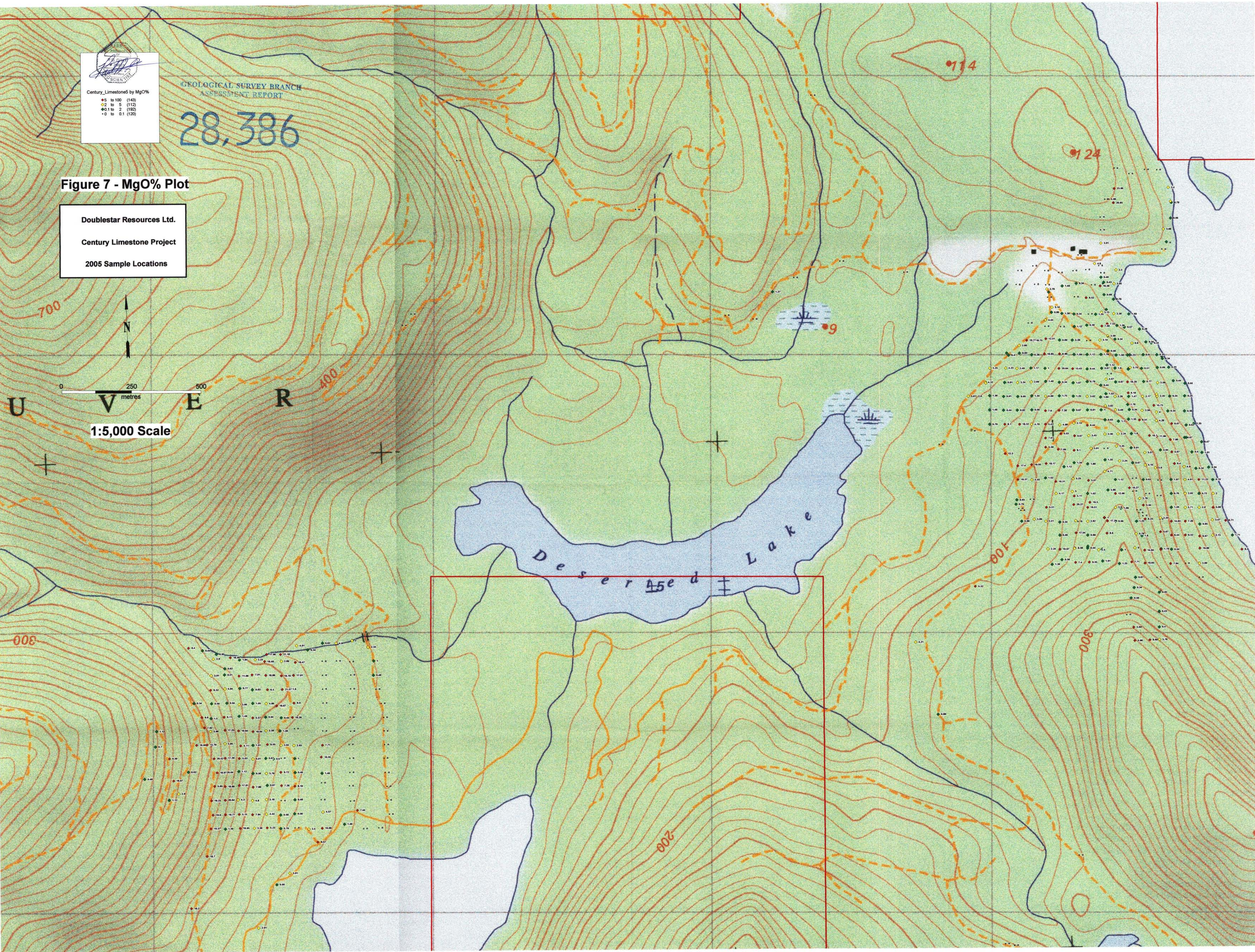


0 250 500 metres

1:5,000 Scale

U V E R

008



Desert Lake

114

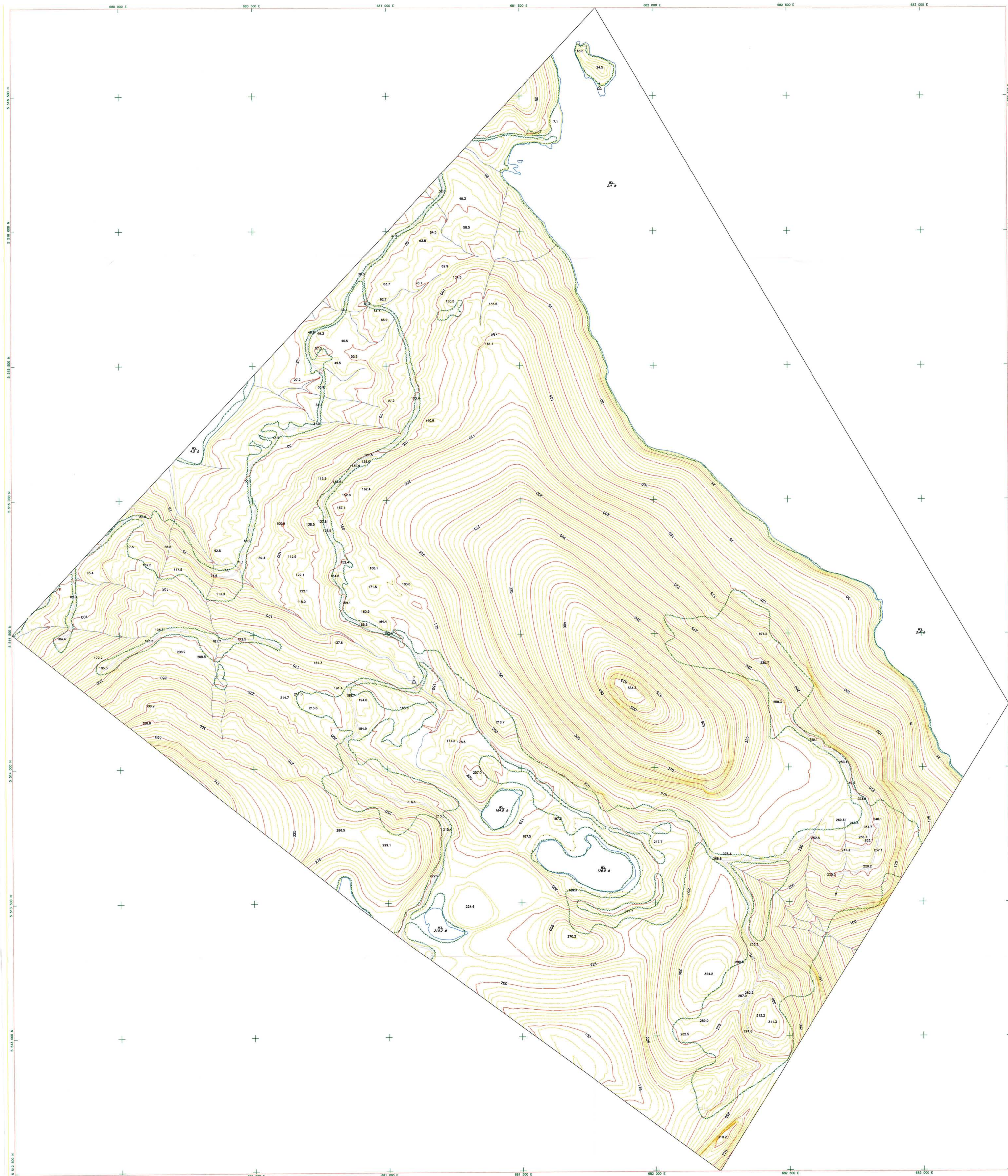
124

9

100

300

200



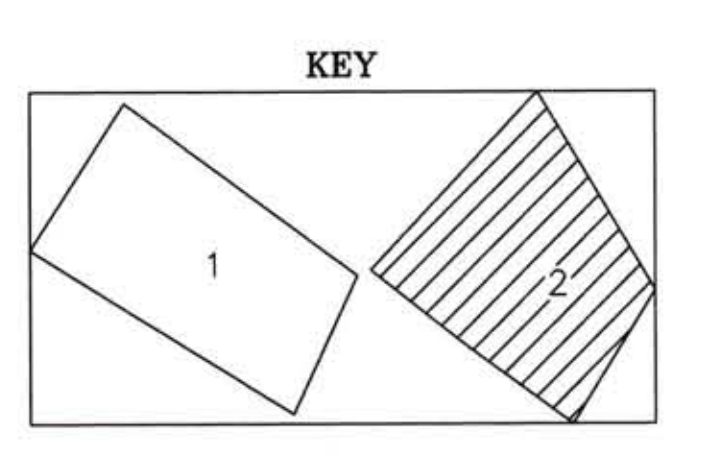
LEGEND

INDEX CONTOUR	2400
INTERMEDIATE CONTOUR	
INDEFINITE CONTOUR	
DEPRESSION CONTOUR	
STREAM / RIVER	
INTERMITTENT STREAM	
INDEFINITE STREAM	
DITCH	
AQUEDUCT	
TREES	
SINGLE TREE	
BRUSH / SCRUB	
SWAMP	
AREA OUTLINE	
SAND / GRAVEL	
FOOTPATH	
ROUGH ROAD	
GRAVEL ROAD	
PAVED ROAD	
FENCE	
WALL	
CULVERT	
UTILITY POLE	
BUILDING / SYMBOL	164.9
SPOT HEIGHT	164.9
CONTROL POINT	
PHOTOCENTRE	



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

28,386



**DOUBLESTAR
RESOURCES**
CENTURY LIMESTONE PROJECT

CONTOUR INTERVAL 5m
SCALE 1:5000



PRODUCED FROM AERIAL PHOTOGRAPHY FLOWN: July 17, 2005
PHOTO SCALE: 1:20,000
CONTROL SFT: TRIM (Vertical adjustment to correct MSL.)
HORIZONTAL DATUM: UTM NAD 83 ZONE 9
VERTICAL DATUM: GEOIDETIC
REVISION: 00
REV. DATE: Aug. 23 /2005
APPROVED: ND

COMPILED BY: EAGLE MAPPING LTD.
PROJECT NO.: 05-087
URL: www.eaglemapping.com

Century_Limestone5 by CaO%



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

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Figure 8 - CaO% Plot

Doublestar Resources Ltd.
Century Limestone Project
2005 Sample Locations



0 250 500 metres

1:5,000 Scale

U V E R

Deserased Lake

