



Ministry of Energy and Mines

# PROPERTY FILE

009013

## REFERRAL NOTICE

**DATE:** February 27, 2003

**TO:**

- ☞ First Nations: Sto:lo First Nation
- ☞ Fisheries and Oceans, Canada: Delta - Alan Jonsson
- ☞ Ministry of Water, Land and Air Protection: Surrey - Mike Willcox
- ☞ Ministry of Forests: Chilliwack - Ken Grozier
- ☞ Department of National Defense: Warrant Officer - Alten Brach
- ☞ Ministry of Energy and Mines: District Inspector - Ed Taje
- ☞ Ministry of Energy and Mines: Regional Geologist - Jacques Houles

**RE:** Notice of Work and Reclamation Program Referral

**File No.:** 14675-30\ML-MX-DEVO

**Mine No.:** 1610125

**Property:** Devon 1 (Chilliwack)

**Permit No.:**

**Applicant:** Darin Vander Kooi

**Application Date:** January 28, 2003

**FROM:** Alf Randall, District Manager

*locate @  
Mineral tenure  
# 393145.*

### COMMENTS:

YOU ARE INVITED TO COMMENT ON THE ATTACHED APPLICATION FOR A MINES ACT PERMIT. YOU HAVE **30 DAYS FROM FEBRUARY 27, 2003** TO CONTACT OUR OFFICE REGARDING THIS REFERRAL. IF YOU DO NOT CONTACT US WITHIN 30 DAYS, IT WILL BE ASSUMED THAT YOU HAVE NO COMMENTS OR CONCERNS.

Southwest Regional Office  
Mining Division

Mailing Address:  
2080B Labieux Road  
Nanaimo BC V9T 6J9

Telephone: (250) 751-7240  
or (604) 660-9363  
Facsimile: (250) 751-7373



February 24, 2003

**To: Referral Agencies**

**From: Alf Randall, District Manager/Engineer**

**Re: Decorative Dimension Stone Bulk Sampling Program  
Devon Mineral Claim, Chilliwack River Area**

The attached Notice of Work outlines a bulk sampling test program for decorative dimension stone from the above noted mineral property located in the Chilliwack River valley.

Access to the site is via existing logging roads off Chilliwack Lake Road. Approximately 0.4 km of new road will be required to access the five test pit areas, collectively measuring approximately one hectare in area. The sampling will include drilling and blasting, loading and hauling of rock from each test pit site. The work period is expected to be March through December.

Disturbance of the surface will be restricted to road development, as test samples will be taken from road cuts. There are no watercourses impacted by this work. Runoff water and sediment will be controlled within settling ponds located at the lower end of the access road. Any overburden encountered in stripping will be stockpiled and used in reclamation of the sites upon completion of the work program if no further work is to be done. It is planned to plant grass seed over roads and excavated sites on completion of reclamation.

A small temporary camp is proposed for the site which will consist of tents or easily removed trailer units. The camp must be demobilized on completion of the work program.

The Chipmunk Caves are located 300 to 400 meters from this work area but are outside the mineral claim. Access to the caves is via a different route than will be used to access the test pit sites and therefore will not conflict with this operation. The operator is aware of the concern with respect to protecting these caves. Some test blasting was done in the area of this proposed work by previous operators and was demonstrated to have no impact on the caves. Never the less the operator will be required to conduct blasting in a way that will minimize seismic impact. In addition the operator will be required to communicate with and warn the DND in advance of any blasting activities.

RECEIVED

1010125  
MLMX DEVO



Ministry of Energy and Mines  
Energy and Minerals Division  
Mines Branch

4 2003

Mineral & Coal Notice  
of Work and Reclamation

MINES BRANCH Mine #:

The information on this form and any supporting documents are subject to the Freedom of Information and Protection of Privacy Act. The information requested on this form is collected and used for the purpose of administering the Exploration and Reclamation Permit. The Mines Act of British Columbia also authorizes the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the Freedom of Information and Protection of Privacy Act applies to the information collected on this form can be directed to the Mines Branch, phone (250) 952-0462, fax (250) 952-0491 or write to: PO Box 9320, Stn Prov Govt, Victoria, British Columbia, V8W 9R3.

Owner (title holder)  
 Agent/Operator (person or company authorized to make application on behalf of the title holder—attach letter of authorization where required)  
 Manager (person appointed in writing by the owner or agent as manager pursuant to Section 21 of the Mines Act) (Attach letter of appointment)  
Name Darin vander Kooi Company 011991  
Address 8524 Woodbine  
City Chilliwack Province BC Postal Code V2P 5S4  
Bus. Phone 604 795 3101 Fax 604 792 5074  
Name of Field Supervisor \_\_\_\_\_  
Site/Contact Phone/Fax(if available) \_\_\_\_\_

Name of Property Devon #1 Project name \_\_\_\_\_  
Describe Site Access 28 km East of Wedder Crossing (9214) on Chilliwack River  
in NW 1/4 S2 T2 R28 W 6 M

Mineral/Coal Titles where exploration activities will take place  
Claim or Lease Name(s) Devon #1 Tenure number(s) 393145

Crown Granted Mineral Claims \_\_\_\_\_ Lot Number(s) \_\_\_\_\_

B. C. Geographic System Map Sheet Number(s) eg TRIM 092L 006 092H012  
Northing 5440000 Easting 599000 UTM Zone \_\_\_\_\_  
or if UTM not available

NTS Map Sheet #(s) 92H44 Latitude 49° 06' 10" Longitude 121° 35' 40"  
Are proposed activities on private land? \_\_\_\_\_; if yes, attach written copy of notice served to land owner.

Proposed start date (y/m/d): 2003/03/15 Proposed completion date (y/m/d): 2003/12/15  
Every permittee shall give written or verbal notice to the district inspector prior to commencement of approved exploration activities in each calendar year that the proposed program of approved activities is underway.

Water Supply: Describe source: Chilliwack River.

Estimated quantity of water to be used (cubic feet/second or cubic metsecond): minimal as using air track drill

Cultural Heritage Resources:- Are you aware of any cultural heritage resource(s) or protected heritage property defined under the Mineral Tenure Act, within the bounds of the tenure(s) where exploration work is proposed?  
 Yes (Note locations on maps under Schedule A)  No  
Should cultural heritage resources or protected heritage property be encountered while undertaking exploration activities you are required to report them to: The Planning and Assessment Unit, Archaeology Branch, Ministry of Small Business, Tourism and Culture, PO Box 9816, StrProv Govt, Victoria, B.C., V8W 9W3



**Occupational First Aid:** - Minimum first aid requirements on an exploration site are established in the Workers' Compensation Board of B.C. Occupational First Aid regulations. All members of an exploration drill crew must have a valid Workers' Compensation Board or "Standard" first aid equivalent unless the drill site is accessible in all weather conditions within five minutes of the main camp or other facility where there is a qualified first aid attendant.

Describe the means of communication on the exploration site:

Two way radio,

Location of nearest hospital: Sardis, 32km West on paved road

Travel time to hospital by ground 20 min by air \_\_\_\_\_ Number of persons on site (include contractors) 5

Types of transportation available: pickup truck, car.

First Aid Equipment on Site: Minimal Equipment, Devon #1 is 2km W of Fort Mt. Jail

First Aid Certificate held by attendant (if required): \_\_\_\_\_

**Description of Exploration Program** (give a brief overview of location, nature and extent of proposed activities)

Devon #1 is a limestone hill 80m high and 500m long, south of the Chilliwack River. The top at Elev. 464m slopes eastward to 380m. The hill is surrounded by a re-forested (6-8m high) level valley with access to the highway. An existing 'borrow pit' on the SW side of the hill exposes a 20 m high wall of grey massive limestone. It is proposed to construct a 8m wide exploration access (18% grade-850 long with 5 switch backs) by drilling and blasting along the side of the hill ending at Elev. 450m on a broad bench on the top. Timber will be removed along the access. The limestone varies widely in quality so samples <10,000 tonnes will be gathered at various intervals and evaluated for their economic potential. Waste rock will be removed by end hauling. No stream channels drain from the hill due to the highly fractured nature of the rock. The top of the hill is gently rolling with the height of land (drainage divide) on the north side of the hill. All activities will occur on the south side of the drainage divide thus preventing accidental spills or road fines from entering the Chilliwack River. The access will be sloped into the hill, a culvert placed on the bottom leading to a sediment-spill trap leading to a bermed depression and then into the surroundings.

**Mineral Exploration Activities to be Undertaken** (Indicate schedules submitted with this application)

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Schedule A - Maps & Sections (Compulsory)           | <input type="checkbox"/> Schedule F - Surface Drilling/Settling Ponds/Sump                    |
| <input checked="" type="checkbox"/> Schedule B - Reclamation Security (Compulsory)      | <input checked="" type="checkbox"/> Schedule G - Exploration Access Construction/Modification |
| <input type="checkbox"/> Schedule C - Exploration Grids, Camp Location, Helicopter Pads | <input checked="" type="checkbox"/> Schedule H - Application for Timber Cutting Authorization |
| <input type="checkbox"/> Schedule D - Mechanical Trenching/Test Pits                    | <input checked="" type="checkbox"/> Schedule I - Bulk Sample                                  |
| <input checked="" type="checkbox"/> Schedule E - Blasting                               | <input type="checkbox"/> Schedule J - Underground Exploration                                 |

I, Darin Vander Kooi, hereby make application to undertake the exploration activities described in this notice, and in accordance with the Mines Act and the Health, Safety and Reclamation Code for Mines in British Columbia.

Darin Vander Kooi  
Applicant Signature

Jan 28, 2003  
Date

Mine #: \_\_\_\_\_

**Schedule A  
Mineral & Coal Maps and Sections**

Appropriate maps are required to be submitted to allow for proper evaluation of the proposed exploration program by the District Inspector. Please indicate which Schedule A maps are included with this application.

- Schedule A1 - Mineral/Coal Tenure Map(s) - Include a map which shows the boundaries of the tenure(s) in relation to the proposed exploration activities.
- Schedule A2 - Map of Proposed Work (1:20,000 scale or less) - TRIM map, Forest Cover map or adequate equivalent map should show topography, watercourses, existing access, a centre line of proposed new or upgraded access, the location of proposed exploration activities, known MINFILE occurrences, known location of previous surface workings, and known locations of cultural heritage resource or protected heritage property identify on map where a proposed activity may take place within the distance from a stream, wetland or lake specified in Figure 11-1 of the Code.
- Schedule A3 - Land Title Map - Include when exploration activities are proposed on private land not owned by the mineral/coal tenure holder.
- Schedule A4 - Terrain maps where required by Section 11.4 of the Code.
- Schedule A5 - Underground Exploration - Include plan and section drawings for underground exploration work as described in Schedule I and as required by Sections 6.1.3 and 6.45 of the Code.
- Schedule A6 - Other maps required by the District Inspector

**Schedule B  
Mineral & Coal Reclamation Security**

Transfer applicable information from Schedule C through Schedule J as appropriate

Exploration Activity	Surface Disturbance(ha) 1 ha = 10,000 m <sup>2</sup>	Estimated Cost of Reclamation	
		Applicant	District Inspector
Schedule C: Exploration Grid(s), Camp Locations, Helicopter Pads	0.25	\$ 500.	\$
Schedule D: Mechanical Trenching / Test Pits	0.415	\$ 1000.	\$
Schedule F: Surface Drilling / Settling Ponds / Sumps	0,0029	\$ 100.	\$
Schedule G: Exploration Access Construction / Modification / Reclamation	0,360	\$ 1000	\$
Schedule I: Bulk Sample (Overburden / Waste Dumps)	See Sched. D + 0.075	\$	\$
Schedule J: Underground Exploration Work (Portal Sites Ore / Waste Dumps)	/	\$	\$
<b>Totals</b>	1,1029	\$ 2600	\$
Add disturbance from previous years	+ 0	\$+	\$+
Subtract disturbance reclaimed by applicant.	- 0	\$-	\$-
Balance of unreclaimed disturbance	=	\$=	\$=

Applicant Signature: *Harri Handu Uchi* Date: June 28, 2003

**TO BE COMPLETED BY DISTRICT INSPECTOR**  
 New Permit                       Permit amendment                       MX General

Total Reclamation Security Required \$ \_\_\_\_\_

Mine #: \_\_\_\_\_

**Schedule C**

**Mineral & Coal Exploration Grid(s), Camp Locations & Helicopter Pads**

1. Mark the location(s) of camps, constructed heliport landing pads and proposed exploration grid(s) on the Schedule A2 map(s) and complete the following:

Length of Baseline \_\_\_\_\_ m.  Geophysical (list type) \_\_\_\_\_  
 Line Spacing \_\_\_\_\_ m.  Other \_\_\_\_\_  
 Total kilometres of linecut \_\_\_\_\_ km.

2. Show the distance of activity from known streams, wetlands or lakes the Schedule A2 map.
3. Complete applicable sections of the following table:

Exploration Activity	Number of Sites	Disturbed Area (ha) 1 ha = 10,000 m <sup>2</sup>	Timber Volume (m <sup>3</sup> )
Camp	1	0.25	0
Constructed Helicopter Landing Pads	/	/	/
Exploration Grids - if timber felling required	/	/	/
<b>Totals</b>	/	0.25	/

**Reclamation Program** Describe proposed reclamation and timing of reclamation work:

Camp will be set up in existing borrow pit. Exploration personnel will commute daily from Sardis, 30 km to the west by paved road. A watch man will live in a travel trailer. Porta potties will be installed, diesel will be brought to the site as needed. A First Aid station will be installed although emergency first aid is available less than 5 min away at the Fort Mountain Jail. In autumn of 2003, all equipment will be demobilized and the area seeded with a grass seed mixture recommended by the Forestry.

Estimated cost of reclamation of activities described above: \$ 500.00

**Schedule D**

**Mineral & Coal Mechanical Trenching/Test Pits**

1. Mark the location of proposed trenches/test pits on the Schedule A2 map(s).
2. List the equipment to be used in the trenching/test pit program:  
Cat 325 Excavator, D7, Tamrock or Top Drill, 980 Loader, 16Tonne Tractor
3. Show the distance of activity from known streams, wetlands or lakes on the Schedule A2 map(s).
4. Complete applicable sections of the following table:

Exploration Activity	Estimated Maximum Depth of Trenches/Pits	Number of Sites	Disturbed Area (ha) 1 ha = 10,000 m <sup>2</sup>	Timber Volume (m <sup>3</sup> )
Trenches and Test Pits	3m	5	0.34	included in Schedule G
Stockpiles		5	0.075	included in Schedule G
<b>Totals</b>		10	0.415	

**Reclamation Program** Describe proposed reclamation and timing of reclamation work:

Exploration road will be the sampling trenches. The differing lithologic facies will be sampled and analyzed for value. The road will be sloped into the bank. Slash will be disposed of. The immensely fractured nature of the rock everywhere in the hill precludes erosion allowing all precipitation to melt and/or drain vertically. The access will be barricaded at close of the work program. Broadcast seeding will occur on exposed soils using a Forestry approved seed mixture.

Estimated cost of reclamation of activities described above: \$ 1000.00

Applicant Signature \_\_\_\_\_

Date \_\_\_\_\_

Jan 28, 2003

Schedule E

Mineral & Coal Blasting

Mine #: \_\_\_\_\_

1. Mark the location(s) of proposed blast sites and magazines on the Schedule A2 map(s). *see proposed trench on ADA*
2. Has a B.C. Explosive Storage and Use Permit for mining purpose been issued?  
 Yes  If yes, give current permit #: \_\_\_\_\_ Date of expiry: \_\_\_\_\_  
 No  If needed, complete a permit application from the Mines Branch regional office and attach it to this schedule.
3. Provide details of:  
 - the type of explosive(s) to be used: TBA  
 - detonation method: TBA
4. Name of Blaster: TBA Blaster's Certificate #: \_\_\_\_\_  
CONTRACTOR BLASTER - INFO TO BE SUPPLIED.

Schedule F

Mineral & Coal Surface Drilling/Settling Ponds/Sumps

1. Mark the location of proposed surface drilling/settling ponds/sumps on the Schedule A2 map(s).
2. List the equipment to be used in the drilling/sump construction program: Excavator 325 Cat  
no drilling
3. Show the distance of activity from known streams, wetlands or lakes on the Schedule A2 map(s).
4. Complete the applicable sections of the following table:

Exploration Activity	Number of Sites	Disturbed Area (ha) 1 ha = 10,000 m <sup>2</sup>	Timber Volume (m <sup>3</sup> )
Drilling	/	/	/
Settling ponds/sumps	1	.0029	none
<b>Totals</b>	1	.0029	/

5. Total number of drill holes: \_\_\_\_\_
6. Total drilling: \_\_\_\_\_ m

Reclamation Program: Describe proposed reclamation and timing of reclamation work:

- surface drilling/settling ponds/sump:  
accidental spill ponds at base of slope 2m square  
bordering of fence, one 5m x 5m square, at end  
of season filled and seeded.

- core storage (location, method, term): NONE

Estimated cost of reclamation of activities described above: \$ 100.00

Charin Chander Veei  
 Applicant Signature

Jan 28, 2003  
 Date

**Schedule G**  
**Mineral & Coal Exploration Access/Construction/  
 Modification/Reclamation**

Mine #: \_\_\_\_\_

Refer to Part 11 of the Code for specific information requirements for planning, surveys, design and deactivation/reclamation of access construction/modification and submit the required information to the District Inspector with this schedule.

1. Mark the location(s) of proposed construction, modification and reclamation of exploration access on the Schedule A2 map(s).
2. List the equipment to be used in access construction/modification/reclamation: Cat 325 Excav.  
W. Thumb, 980 loader, D7 Cat, 15Tonne Truck.
3. Show the distance(s) of activity from known streams, wetlands or lakes on the Schedule A2 map(s).
4. Complete the applicable sections of the following table:

Exploration Activity	Length (km)	Disturbed Area (ha) 1 ha = 10,000 m <sup>2</sup>	Timber Volume (m <sup>3</sup> )	Is activity in Community watershed?	Terrain stability classification (as required)
Exploration trail construction	/				
Excavated trail construction	/				
Excavated trail modification	/				
Temporary access road construction	.45	0.360	15687	NO	Stable
Temporary access road modification	/				
<b>Totals</b>	.45	0.360	156.87	/	/

**Reclamation Program: Describe proposed reclamation and timing of reclamation work:**

An 8m wide exploration access has been centerline flagged as shown on Schedule A2A(photo) and A2B(map). Slope varies up to 18%. The soil cover is thin (<30cm) and rests directly on colluvium on fractured limestone. Soils will be scraped off and stockpiled at various intervals along the access. The limestone knob has been eroded by glaciers leaving broad benches which can be seen on A2B. The road will parallel the face cutting into the limestone to maintain grade to Elev. 420m. Above this the road traverses the benches and switches direction at the base of next higher limestone outcrops. Five small stockpiles are planned along the road (A2B). All runoff will infiltrate rapidly into the underlying calcareous rock. The road is designed to stay on the south slope of the drainage divide (A2A). Nevertheless, the road will be sloped into the bank and a 200 mm culvert placed on the bottom to route any fines and contaminants into a 2m square depression and then by 100 mm overflow pipe with right angle outflow into a 5m square bermed depression at the base of the slope (A2A). Slush will be disposed of by piling and burning or burying or end hauling. Due to the chemistry of the rock(carbonates) there is no danger of slides or slumps. Rock slopes will be vertical and glacial deposits(2:1 slopes). No unstable terrain is present. The access will be barricaded at close of the work program. Broadcast seeding will occur on exposed ground using a Forestry approved seed mixture. Estimated cost of reclamation of activities described above: \$ 1200.00

Clavin Vanderhorst  
 Applicant Signature

Jan 28, 2003  
 Date

**Note: Ministry of Forests(MOF) Road Use permits are required for the use of existing roads in provincial forests by vehicles other than light traffic. A MOF Special Use permit is also required for the construction of new access and the upgrading of existing access located off mineral or coal tenures.**



**Schedule H  
Mineral & Coal Application for  
Timber Cutting Authorization**

Mine #: \_\_\_\_\_

*Provide the following information for mineral exploration activities where timber cutting is required. This information will be used by the Ministry of Forests to determine the appropriate cutting authorization. (See MX handbook for assistance in calculating timber volumes and to determine what is merchantable timber.)*

Exploration Activity	Number of Sites	Area (ha) 1 ha = 10,000 m <sup>2</sup>	Timber Volume (m <sup>3</sup> )	
			Applicant	For office use
Schedule C: Exploration Grid(s), Camp Locations, Helicopter Pads	1	.25	None	
Schedule D: Mechanical Trenching / Test Pits	10	.415	in G	
Schedule F: Surface Drilling / Settling Ponds / Sumps	1	.0029	None	
Schedule G: Exploration Access Construction / Modification / Reclamation	1	.360	156.87	
Schedule I: Bulk Sample (Overburden / Waste Dumps)		See also D 0.075	in G	
Schedule J: Underground Exploration Work (Portal Sites Ore / Waste Dumps)	/	/	/	
<b>Totals</b>	<b>13</b>	<b>1.1029</b>		
Description of Timber		Area (ha)	Timber Volume (m <sup>3</sup> )	
By main species	Number - red cedar volume - D-ft	Not Separated in Road	18.89	
By merchantable timber		0.775	117.86	
			156.87	

\* Construction/Modification/Reclamation which is not located on mineral or coal tenures requires a Special Use permit (SUP) from the Ministry of Forests.

Is an exemption requested from the requirement to mark boundaries when activities are within the distances in Figure 11-1 of the Code?  Yes  No

**Utilization**

Will timber be used on site? Some If no, indicate how timber will be disposed:  
 Bucked and scattered  Decked for other timber tenure holders  As directed by cutting authorization

Clavin VanderMeer  
Applicant Signature

Jan 28, 2003  
Date

Note: The Forest Practices Code of British Columbia regulates the cutting of Crown timber resources. The felling of Crown timber without appropriate authorization may lead to penalties.

**FOR MINISTRY OF FOREST USE ONLY**

Is cruise required?  Yes  No      Volume Cruised \_\_\_\_\_ Date Cruised \_\_\_\_\_  
 If field inspection required, applicant/ministry to be involved  Applicant  MEM  MOF  MELP  
 Date of field inspection: \_\_\_\_\_ Free Use permit # \_\_\_\_\_ or Licence to Cut # \_\_\_\_\_  
 Date issued: \_\_\_\_\_ Reviewed by: \_\_\_\_\_



**PEGASUS**

earth sensing  
corporation

January 25, 2003

Timber Volume of Proposed Access Road for Devon #1.

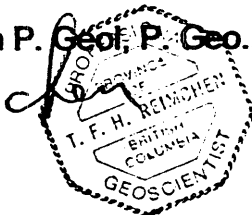
Trees within 6 m of the centerline of the proposed access were measured for diameter and height by using a range finder . Doug Campbell RFP of the Chilliwack Forest District, proffered the general formula for volume calculation as Basal Area at the stump x Height divided by 3. During the reconnaissance survey it was readily seen that the largest trees Pseudotsuga menziesii (Douglas fir) were scarred by fire. Decomposed charcoal was also readily visible in the A horizon. History shows that a fire swept through this area in 1938 and the area was selectively logged as can be attested to by stumps of D. fir more than 1 m in diameter . The following species were also identified: Acer macrophyllum. (big leaf maple) , Alnus rubra (red alder), Betula papyrifera (birch), Abies sp. (grand fir?) and Thuja plicata (western red cedar).

The following trees were recorded along the proposed access (see AP-A2A).

<u>Acer macrophyllum</u> . (big leaf maple)	20 trees with a V = 5.64m <sup>3</sup>
<u>Alnus rubra</u> (red alder)	11 trees with a V = 2.40m <sup>3</sup>
<u>Betula papyrifera</u> (paper birch)	29 trees with a V = 5.36m <sup>3</sup>
<u>Abies sp.</u> (grand fir?)	65 trees with a V = 18.89m <sup>3</sup>
<u>Thuja plicata</u> (western red cedar)	28 trees with a V = 6.72m <sup>3</sup>
<u>Pseudotsuga menziesii</u> (Douglas fir)	23 trees with a V = 117.86m <sup>3</sup>

It is readily seen that the D. fir group contains the most volume of timber. The trees are the largest generally 70-80 cm basal diameter while the remainder are much smaller and younger and all less than 35 cm basal diameter.

Ted H. F. Reimchen P. Geol., P. Geo., Lic. Geo.



Schedule I  
Mineral & Coal Bulk Sample

Mine #: \_\_\_\_\_

Bulk samples which result in the extraction of an amount equal to or greater than 10,000 tonnes of mineralized rock or 50,000 tonnes of coal must comply with Section 10.1.2 of the Code.

1. Bulk Sample:       Mineral       Coal
2. Mark the location(s) of all excavation sites, overburden/waste dumps on the appropriate map(s) under Schedule A.      see A2A and A2B

3. List the equipment to be used in the bulk sample program: Cat 325 Excavator, D7, Tamrock or Tenk Drill, 988 loader, 15 tonne truck.

4. Show the distance of activity from known streams, wetlands and lakes on maps submitted.

5. Describe handling and on-site processing methods: see attached

6. Metal Leaching and Acid Rock Drainage:

If bedrock excavation is 1,000 tonnes or greater, the applicant must provide with this schedule:

- a) an effective metal leaching and acid rock drainage (ARD) prevention program including a prediction plan and appropriate mitigation, treatment, maintenance and monitoring measures; and,
- b) a management plan for excavated bedrock.

7. Complete the following table:

Exploration Activity	Tonnes	Disturbed Area (ha) 1 ha = 10,000 m <sup>2</sup>	Timber Volume (m <sup>3</sup> )
Bulk sample	12,000	4.15	all included
Overburden/waste dumps	2,800	0.75	in Schedule G
Totals	16,000	4.85	156.87

**Reclamation Program**

Provide details of surface reclamation: Rock faces will be scaled, colluvium and glacial drift (if present) will be covered by the surface mulch removed prior and stockpiled along the access. Since the pH is favourable (non acidic) an approved seed mixture will be applied. There will be no long reaches of runoff in the ditch due to the fractured nature of the limestone. Nevertheless, rubble and organic material will be placed at intervals to slow any runoff that might occur.

If material has potential for spontaneous combustion, give details of separate handling: N/A

Surface water drainage and mitigation strategies: The road will be sloped to drain into the surroundings. In the lower reaches runoff might occur and a 20 pulvert will be placed under the road way leading to a double sediment trap. Fines will seal the interstitial spaces allowing slower infiltration. The pH of the fines is basic.

Estimated cost of reclamation activities described above: \$ 1,000.00

[Signature]  
Applicant Signature

Jan 28, 2003  
Date



**PEGASUS**

earth sensing  
corporation

January 25, 2003

Bulk Sampling, Chemistry, Metal leaching and ARD Potential

The rock within the exploration road will be the principal sampling locations. The 5 locations depicted on A2A aerial photo show where rock will be intercepted along the proposed access. The road traverses up the southern and eastern side of Devon #1 crossing various limestone lithologies. The differing facies will be sampled and analyzed for value. Surface rubble will be end hauled to the base of the hill to infill depressions at the base. The bulk samples will be taken from the side of the access roads and/or may be the rock from the access road itself. It is proposed to remove large blocks suitable for cutting and slabbing off site and evaluate their use as dimension and decorative stone. Smaller material will also be removed and evaluated for light weight aggregate in roofing tiles, pulverized stone for agriculture purposes, poultry grit, etc.

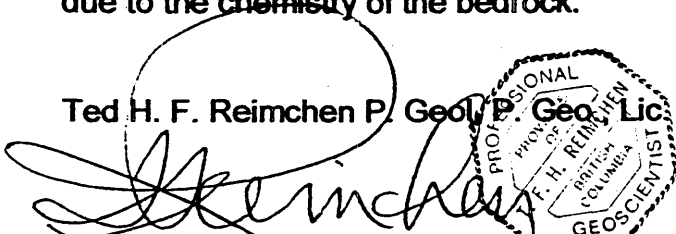
The carbonate chemistry of surfaced hand specimens are:

ACME Dec 19, 2002 Sample 1 as having 54.57% CaO calculated to virtually 100% CaCO<sub>3</sub> and Sample 2 as having a CaO of 29.09% calculated to 55.1% CaCO<sub>3</sub> accompanied by some 40% SiO<sub>2</sub>. Iron oxide minerals such are extremely low with sample 2 having less than <1.2%. The LOI is high which demonstrates that most of the C given off is CO<sub>2</sub> and not C itself. There could be a small amount of graphite in sample 2 although it was not observed.

October 7, 1998 sample analysis done by Henderson Lab of 3 samples (given to the author by owner). It is readily observed that CaCO<sub>3</sub> is above 97% and readily suitable for a lime use. Iron content is less than 0.2%. As mentioned above the geology varies across the strike and samples have to be taken in several areas to ascertain optimum use of each strata.

Given the benign chemistry of these rocks it can readily be said that there is no capability of generating any acid drainage from this area. It could be called an area of non-significance due to the chemistry of the bedrock.

Ted H. F. Reimchen P. Geol. P. Geo. Lic. Geo.



4761 COVE CLIFF ROAD, NORTH VANCOUVER, BRITISH COLUMBIA, CANADA, V7G 1H8  
Phone: (604) 929-0637, Cell: (604) 328-1917, Fax: (604) 929-7231 email: thfr@PegasusEarth.com

11/6/98

# Henderson Lab

**Chilliwack Limestone Corp.**

**October 7, 1998**

**New Quarry Face Opening**

**Lab No. 981966b**

														Insol/		
			CaCO3	MgCO3	Al2O3	CaO	Fe2O3	K2O	MgO	MnO	Na2O	P	S	SiO2	TiO2	Total
CHILLIWACK	STONE-1	NEW-FACE10/7	97.98	0.60	0.12	54.89	0.21	0.01	0.29	0.02	0.00	0.01	0.083	0.71	0.01	99.72
CHILLIWACK	STONE-2	NEW-FACE10/7	97.60	0.86	0.15	54.68	0.22	0.01	0.41	0.02	0.00	0.01	0.080	0.82	0.01	99.74
CHILLIWACK	STONE-3	NEW-FACE10/7	97.78	0.60	0.12	54.78	0.22	0.01	0.29	0.02	0.00	0.01	0.088	0.70	0.01	99.83



WHOLE ROCK ICP ANALYSIS



Pegasus Earth Sensing Corp. File # A205514  
4761 Cove Cliff Road, North Vancouver BC V7D 1H8

SAMPLE#	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr	Zr	Y	Nb	Sc	LOI	TOT/C	TOT/S	SUM
	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
1	1.53	.16	.20	.56	54.57	.06	.03	.01	.01	.01	.004	5	<20	322	18	17	<10	1	42.8	12.62	.04	99.99
2	39.73	2.45	1.22	1.09	29.09	.06	.02	.14	.04	.02	.005	67	<20	227	34	16	<10	3	25.9	7.12	.02	99.80
STANDARD SO-17/CSB	61.66	13.83	5.85	2.35	4.68	4.15	1.42	.60	.99	.53	.434	401	36	320	351	27	30	23	3.4	2.44	5.35	100.03

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.  
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)  
- SAMPLE TYPE: ROCK R150 60C

DATE RECEIVED: DEC 19 2002

DATE REPORT MAILED:

*Jan 6/03*

SIGNED BY:

*C. Leong*

D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Since LOI is high  $CaCO_3$  is converted to  $CaO$  and  $CO_2$   
is given off and assay uses temperatures of  $1000^\circ C$

Sample 1 is massive 1st so  $CaCO_3 = CaO(54.57) + Tot(C)$

$(12.62) \times 3.666 = 100.7\% CaCO_3$  and  $1.5\% Silica$

Sample 2 is siliceous (cherty) lenses, 2 meters thick  
enclosed by massive 1st. so  $CaCO_3 = CaO(29.09) + Tot(C)(7.12)$   
 $\times 3.66 = 55.1\% CaCO_3$  and  $40\% silica$





Chilliwack River

544000N  
E000666

004

464m.

440

420





400

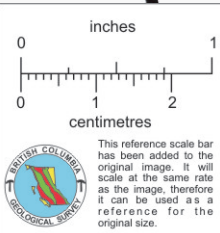
360m

Stockpile  
& Sediment  
Trap

Devon #1 Tenure 393145

Scale 1:5750 A2B

-  existing access road
-  existing borrow pit and camp
-  proposed exploration
-  stockpiles



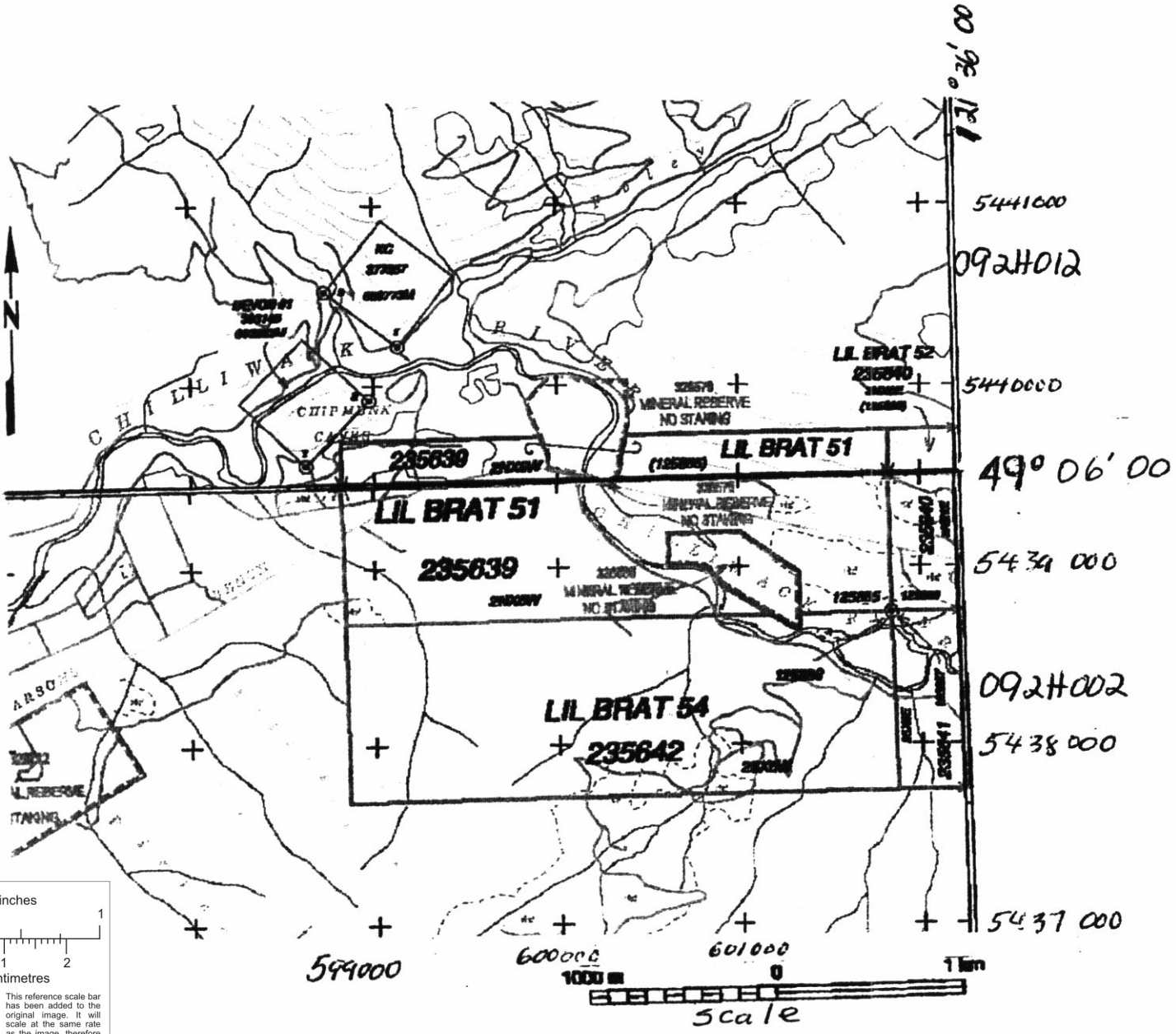
BRITISH COLUMBIA  
GEOLOGICAL SURVEY  
T. F. B. REINHOLD  
Geologist  
C.R. 1000  
CEOSCIENTIST

CHILLIWACK LAKE ROAD  
Paved Highway

22.01.03

From TRIM 0924012

EPI



**Location of Devon #1 and Mineral Tenures (092H012 and 092H002)**

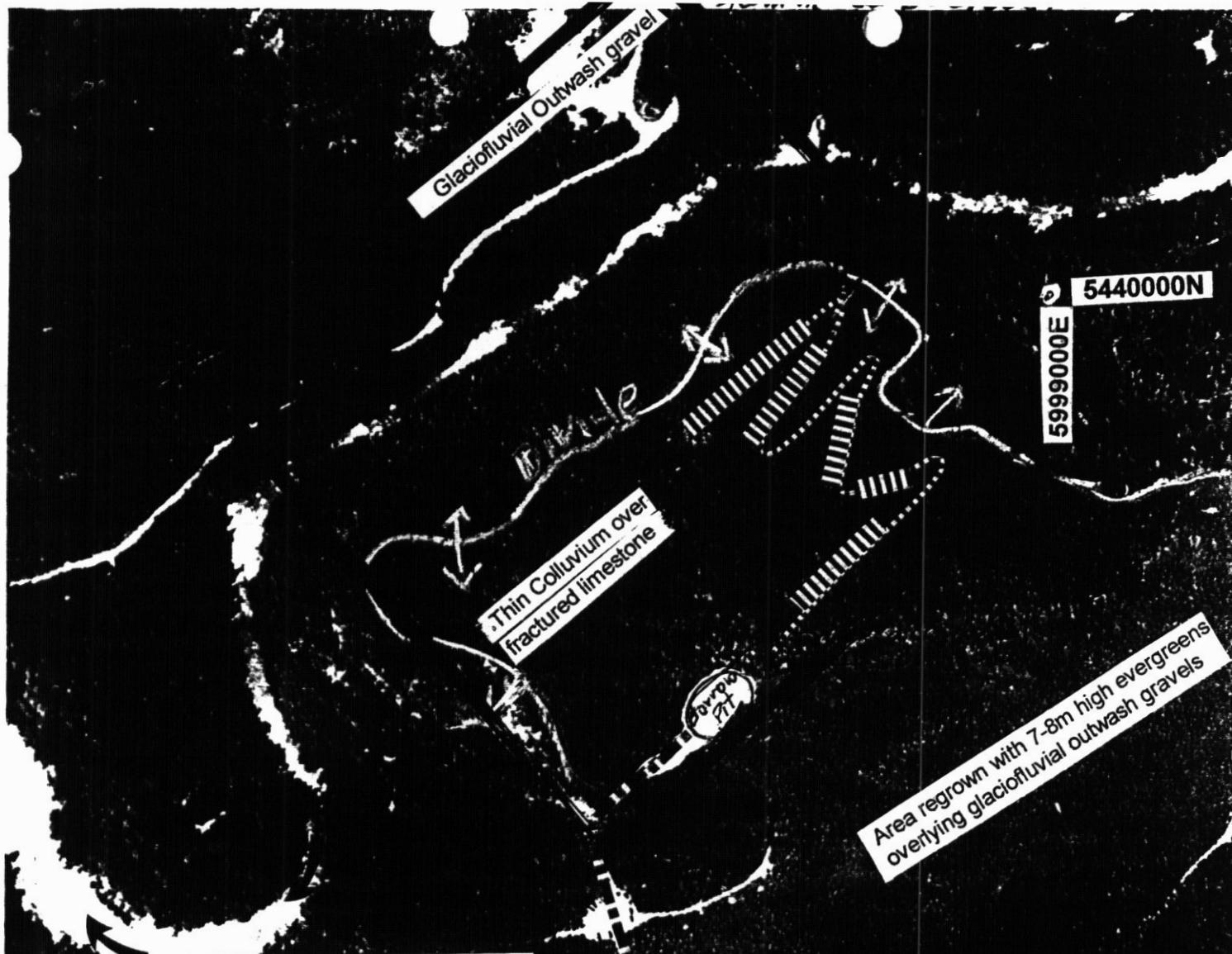
PROFESSIONAL  
 ENGINEER  
 I. E. H. REID  
 CONSULTANT  
 2/21/03

0 1 inches

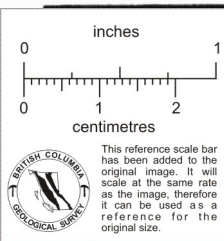
0 1 2 centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.





Chilliwack River



**LEGEND for A2A**

**1 Tenure 393145**  
**5000 and Drainage Divide**

- existing access road
- existing borrow pit and proposed camp location
- proposed exploration access
- proposed trenching
- sediment spill traps
- stock piles
- paved highway

XXV GEOS