

**GEOLOGICAL and PREPARATORY REPORT**

**ON**

**RECEIVED**  
JUL 30 2003  
Gold Commissioner's Office  
VANCOUVER, B.C.

**VIROSA, VIROSA#2, VIROSA#3**

GOLD COMMISSIONER  
RECEIVED and RECORDED  
JUL 18 2003  
M.R. #  
VICTORIA, B.C.

**MINERAL CLAIMS**

**TENURE #395206**

**TENURE #397173**

**TENURE #397174**

**NANAIMO MINING DIVISION**

**MINIFILE: 92K 04W**

**Latitude: 50° 7' 30"**

**Longitude: 125° 56' 30"**

**Owner: MIKE DOKNJAS**

**Operator: MIKE DOKNJAS**

**Consultant: ROBERT A DAVEY**

**Authors: MIKE DOKNJAS**

**ROBERT A DAVEY P. Eng**

**Date: July 2, 2003**

GEOLOGICAL SURVEY OF CANADA  
ASSESSMENT REPORT

**27,194**

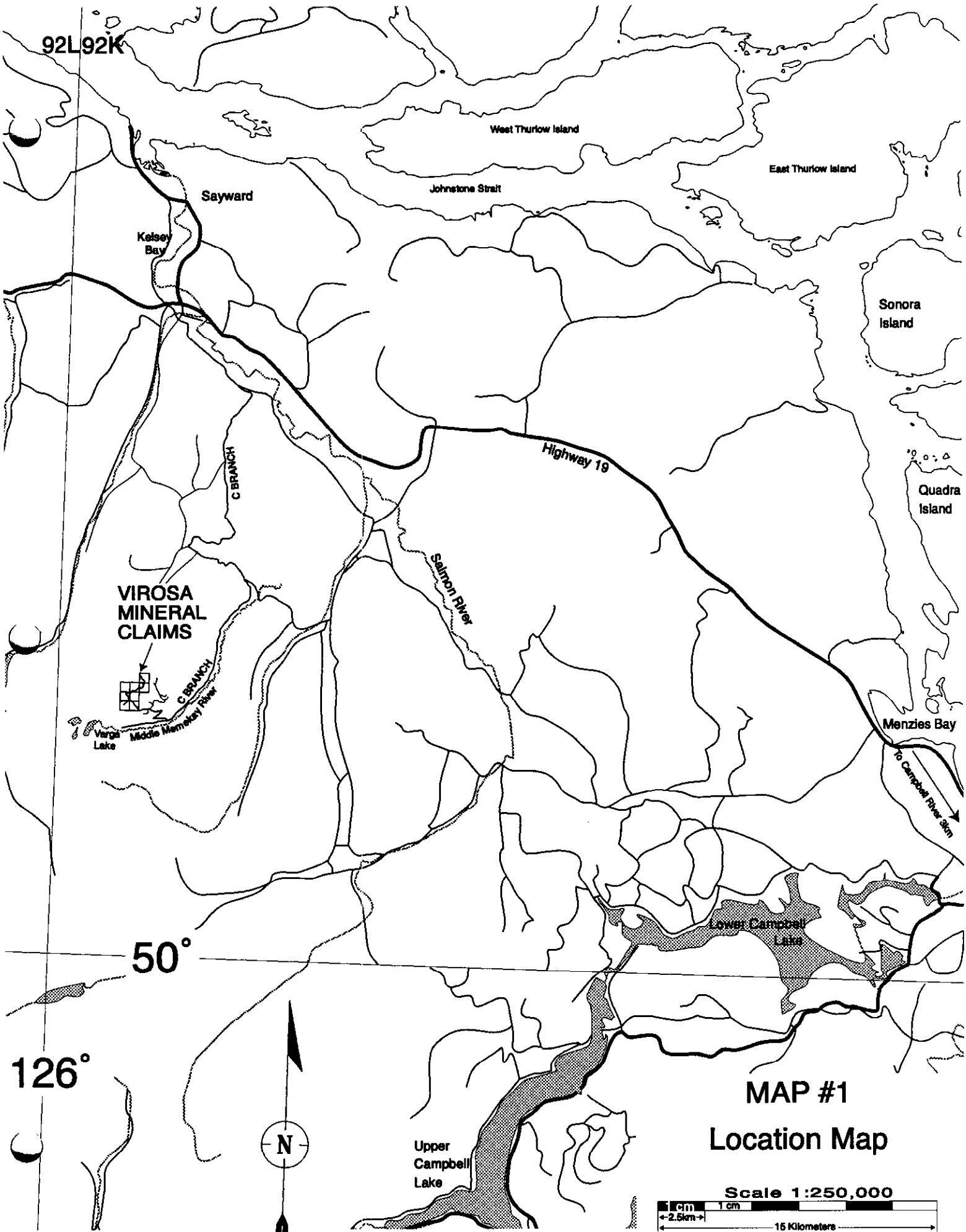
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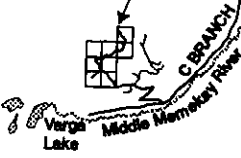
## Location and Access

The VIROSA mineral claims are located at Latitude 50° 7' north and Longitude 125° 56' west, in the Nanaimo Mining District of British Columbia. The mineral claims are located upper mid Vancouver Island some 50 kilometers northwest of Campbell River and 20 kilometers south of Sayward. Access is by 4 wheel drive vehicle. Starting from Sayward, travel 5km south on Salmon River Mainline a paved 2 wheel drive road to 'C Branch'. Travel up 'C Branch' 25.8 KM to C900 a good gravel 2 wheel drive road. Travel 3.5 km up C900 by 4 wheel drive to the junction of C965 and C960. The legal corner post for VIROSA Tenure # 395206 is located 780 meters before this junction 5 meters on the lower south side of the road edge. Accommodations can be found both in Sayward and Campbell River. This area is accessable between the months of July and December depending on snow conditions. The first week of June, 2003 the claim site still had 3 meters of snow.

92L92K



**VIROSA  
MINERAL  
CLAIMS**



C BRANCH

Salmon River

Highway 19

Lower Campbell  
Lake


Upper  
Campbell  
Lake

**MAP #1**

**Location Map**

**Scale 1:250,000**



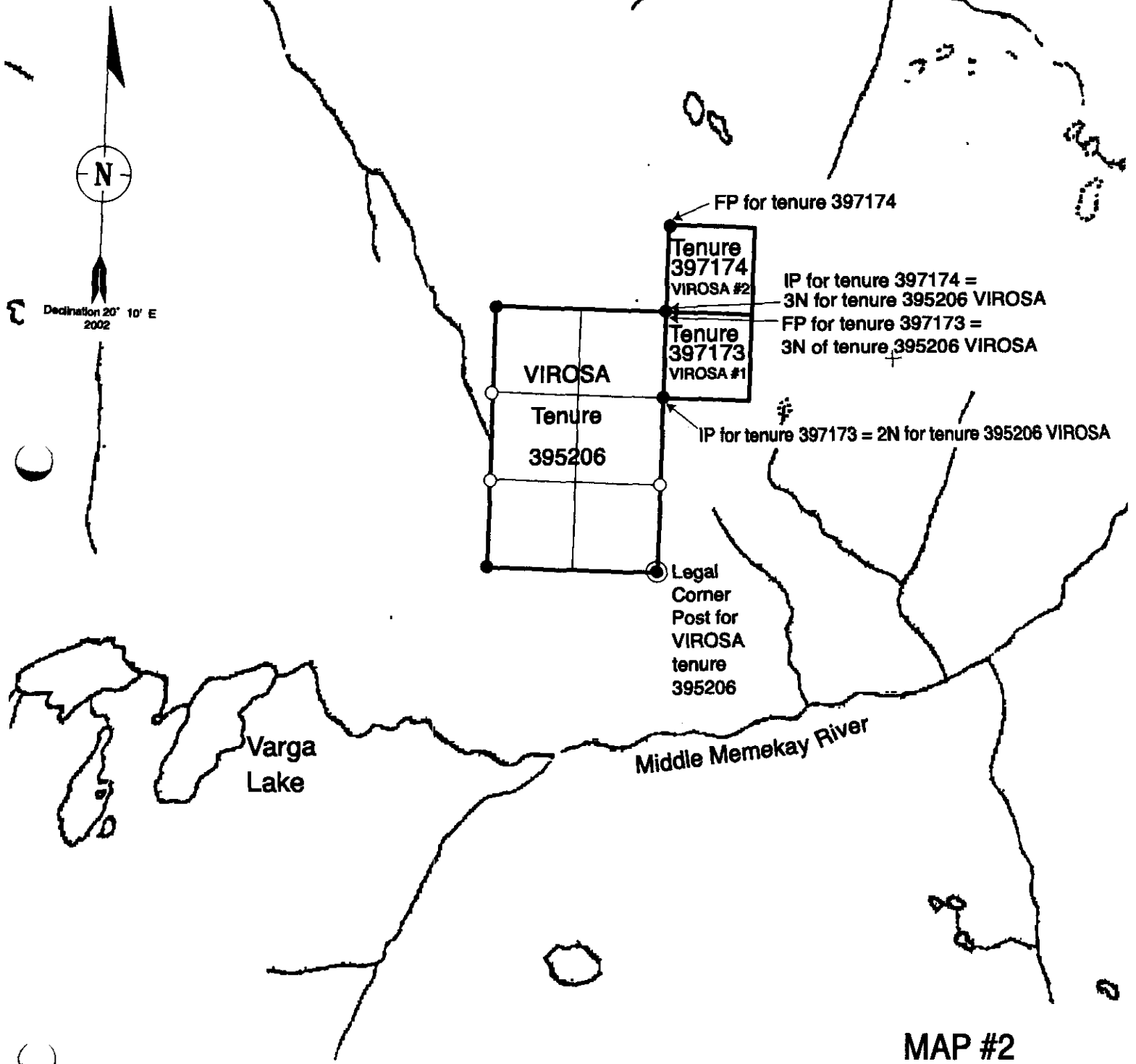
Name : Mike Doknjas  
 Location : Middle Memekay River  
 Reference Map : 92K04W or TRIM=92K.011  
 Digitized from : TRIM/Rectified photo BCB96096#70  
 Area (ha.): 200.00  
 Scale : 1:31,680  
 Date(Y,M,D) : 03/05/21 (Revised by date)  
 Drawn By :  M.D.  
Mindseye Digital Ltd. 250 928-0358 Digital Mapping

**MAP #2**

**VIROSA**

**Mineral Title Map**

Claim & Tenure : VIROSA - 395206  
VIROSA #1 - 397173  
VIROSA #2 - 397174  
 Locator : Mike Doknjas  
 FMC Number : 142257  
 Number of Claim Units : 8 total  
 Field work by: Mike Doknjas



FP for tenure 397174

Tenure  
397174  
VIROSA #2

IP for tenure 397174 =  
3N for tenure 395206 VIROSA

Tenure  
397173  
VIROSA #1

FP for tenure 397173 =  
3N of tenure 395206 VIROSA

IP for tenure 397173 = 2N for tenure 395206 VIROSA

Legal  
Corner  
Post for  
VIROSA  
tenure  
395206

Varga  
Lake

Middle Memekay River

**MAP #2**

Scale 1:31,680



Sample Name	Sample Type	Au	Ag	Pt	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
		g/t	g/t	g/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
Sample 1	Rock	0.04	14.4	0.02	15.8	17440	27	130	<5	<5	<3	8	<10	<2	<2	2.4	12	168	9	242	37	213	35	16	3	0.13	1.15	0.24	7.82	0.19	0.32	0.05	0.02	
Sample 10	Rock	0.02	<0.01	<0.01	9.8	871	4	5	<5	<5	<3	8	<10	<2	<2	50	10	10	7	201	22	41	7	4	1	0.05	0.16	0.06	8.9	0.02	0.05	0.02	0.02	
Sample 11	Rock	0.01	<0.3	<0.01	<0.1	21	15	13	<5	<5	<3	8	<10	<2	<2	293	8	10	7	171	44	207	151	7	2	0.15	1.33	1.83	14.16	0.09	0.02	0.02	0.03	
Sample 2	Rock	0.04	15.5	<0.01	15.5	3.80%	12	74	<5	<5	<3	8	<10	<2	<2	51	12	54	5	180	79	1295	2	43	7	0.16	1.97	0.44	9.01	1.35	0.21	0.03	0.03	
Sample 4	Rock	0.04	<0.3	<0.01	<0.1	40	24	89	<5	<5	<3	8	<10	<2	<2	59	<1	24	42	46	99	1199	2	8	5	0.07	2.89	0.19	10%	2.47	0.18	0.13	0.02	
Sample 5*	Rock	0.01	<0.3	<0.01	<0.1	<1	5	20	<5	<5	<3	8	<10	<2	<2	7	1	42	40	37	26	204	14	13	4	0.15	0.8	0.86	1.81	0.42	0.03	0.15	0.11	
Sample 6	Rock	0.05	9.3	<0.01	9.5	7771	8	49	<5	<5	<3	8	<10	<2	<2	336	28	12	42	49	35	24	10	10	12	0.2	0.19	0.11	13%	0.01	0.17	0.02	0.01	
Sample 7	Rock	0.05	31	<0.01	31	6.80%	6	82	<5	<5	<3	8	<10	<2	<2	88	21	31	21	80	28	134	4	35	5	0.07	0.38	0.33	7.23	0.15	0.07	0.02	<0.01	
Sample 8	Rock	0.1	<0.3	<0.01	<0.1	1	16	73	<5	<5	<3	8	<10	<2	<2	24	<1	24	<5	22	116	1848	4	74	11	8	0.25	3.85	2.29	6.37	2.3	0.07	0.3	0.08
Sample 9	Rock	0.03	<0.01	<0.01	13.3	6.40%	8	97	<5	<5	<3	8	<10	<2	<2	98	8	15	<5	104	57	1714	<2	5	5	0.04	2.24	0.08	18%	1.75	0.08	0.02	<0.01	

\* Samples 5 & 11 are outside mineral claim area. They are located on C900 between C Branch and Legal corner post of VIROSA.

FP Post for tenure 397174 VIROSA #2

TENURE 397174

3N for tenure 395206  
FP Post for tenure 397173 VIROSA #1  
IP Post for tenure 397174 VIROSA #2

3Nx2W

3Nx1W

TENURE 395206

Proposed Cut block 1172

TENURE 397173

2Nx2W

Harvested Bk.#1169

2N for tenure 395206  
IP Post for tenure 397173 VIROSA #1

1Nx2W

Harvested Bk.#1169

TENURE 395206

1N

Name: Mike Doknjas  
Location: Middle Memekay River  
Reference Map: NTS=92K 04W or TRIM=92K.011  
Digitized from: TRIM/field photo: BCB96096#70  
Area (ha.): 200.00  
Scale: 1:5,000  
Date(Y,M,D): 03/05/21 (Revised by date)  
Drawn By: M.D.  
Minosys Digital Ltd. 250 925-0358 Digital Mapping

MAP #3  
**VIROSA**  
Scale 1:5,000  
1 cm = 50m  
1:5,000  
300 meters

Claim Name & Tenure Number:  
VIROSA - 395206  
VIROSA #1 - 397173  
VIROSA #2 - 397174  
Locator: Mike Doknjas  
FMC Number: 142257  
Number of Claim Units: 8 total  
Field work by: Mike Doknjas

- Mineral Claim
- Legal Corner Post
- Corner Post or FP
- Identification Post
- Sample # / Location
- Contours (METERS) / Openings
- Streams
- Lakes / Wet Lands
- Built Roads
- Harvested areas
- Proposed harvesting by TFL holder
- Mineral Exploration Work Area
- Trench locations Approx.
- Vein Structure Location Approx.

**Property Description:**

The VIROSA claim tenure number 395206 is a four post mineral claim comprising of 6 claim units. VIROSA #1 tenure number 397173 and VIROSA #2 tenure number 397174 are both two post mineral claims. The claims are owned by Mike Doknjas of Campbell River, BC.

The claims were staked in the year 2002 and are in good standing. The current tenure is valid for precious and base metals as well as industrial minerals. Mineral tenure information is as follows;

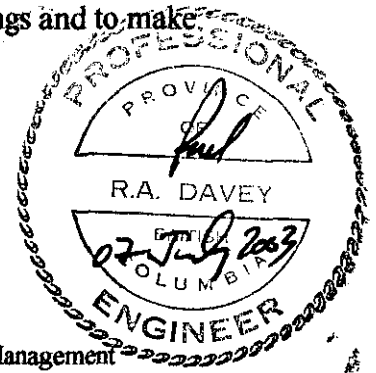
VIROSA	Staked July 24, 2002	in good standing until July 24, 2003
VIROSA #1	Staked Oct 18, 2002	in good standing until Oct 18, 2003
VIROSA #2	Staked Oct 18, 2002	in good standing until Oct 18, 2003

The mineral claims are in TFL 039 held by Weyerhaeuser. The area is covered with first growth timber and two recent harvest areas are present with one planned in 2003.

**Summary:**

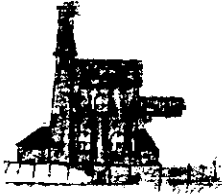
Road building activities by the Tree Farm 039 Licensee, Weyerhaeuser in 1999 intersected a small hydrothermal vent approximately 2 meters wide. Analysis of grab samples around this vent showed elevated concentrations of copper in the 3-6% range and above average concentrations of silver. Road building in the fall of 2002 crossed over what is believed the same vein approximately 500 meters to the north. A large excavator was used to dig down in the vein around 3 meters at the latter intersection below the current road location. Grab samples taken and photographs of the pit were taken before the pit was filled in to accommodate the new forest logging road. Detailed topographical mapping was produced for all of the claim sites and surrounding area with approximately 300 hectares of area mapped. Road information provided by the forest company had an area of error. Road C900 was surveyed in part to locate the exact placement of the VIROSA corner post using a Suunto 0.5° compass, a Suunto clinometer and a tightchain. Detailed surface assessments were made in all exposed rock areas along the roadways and on the exposed bed rock within the claim units.

A mining consultant was brought in to add a professional opinion to the findings and to make recommendations for further work to be done.



Geotechnical Engineering- Mining Engineering -Environmental Assessments-Project Management  
Residential and Commercial Inspections- Advanced treatment and Disposal of Effluents.  
Professional Liability Insurance under Encon policy # L60200 Certificate # ENG 316775

# DAVEY CONSULTING AND ENGINEERING



Division of Davey Holdings Ltd  
[Associate company: Advanced Environmental Inc.]  
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WEBSITE [www.daveyconsulting.com](http://www.daveyconsulting.com)

Mindsey Digital Ltd  
4585 South Island Highway  
Campbell River  
B.C.  
V9H 1B8

07 November 2002

Attention: Mr Mike Doknjas

Dear Sir,

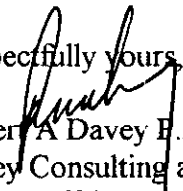
Report of preliminary November 04 2002 inspection of a  
Mineral showing on Vancouver Island BC.

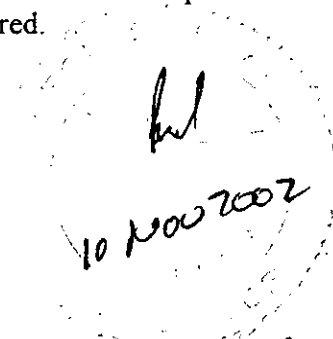
Enclosed is a report on the brief inspection of a group of 8 mineral claims staked by Mr Mike Doknjas within the Alberni Mining District and identified as Virosa, Virosa # 1 and Virosa #2. These claims were staked between 23 July 2002 and the 18 October 2002 and are identified by Claim numbers 20838 684637 and 684638.

Field work has been completed entirely by Mr Doknjas and this report is based on one field visit to the site of the outcrop of mineralisation by Mr Robert A Davey P.Eng, mining engineer and consultant, and a review of the regional geology from government mapping and personal inspection of similar properties.

Recommendations for further work are included in this report and we will be available to provide further information if required.

Respectfully yours,

  
Robert A Davey P.Eng  
Davey Consulting and Engineering  
doknjas.report.02.1





**Report on the field  
Review of a group  
of Mining Claims held by  
Mr Mike Doknjas Campbell River B.C.  
Within the Alberni Mining District British  
Columbia  
Claim # 203838  
684737 and 684 638  
And situated North Westerly  
Of Campbell River B.C.**

## **Introduction.**

Davey Consulting and Engineering [a division of Davey Holdings Ltd] Errington B.C. was approached by Mr Mike Doknjas subsequent to the staking by Mr Doknjas of several mining claims within the Alberni Mining district and generally located north west of Campbell River B.C. and west of Sayward B.C.

These claims were staked under a Free Miners Certificate # 142257 and are shown on the enclosed map prepared by Mr Doknjas. No liability is assumed by Davey Holdings Ltd for error in location of these claims or the possibility of infringement on other claims in the area and there is no interest held by Davey Consulting and Engineering, Davey Holdings Ltd, express or implied in these claims and Mr Robert A Davey is acting solely as an independent consultant in the evaluation of the mineral content of the visible outcrops.

This report is the result of a one day field inspection conducted by Mr Davey in conjunction with Mr Doknjas on 4 November 2002 and the obtaining of grab samples from this visit.

## **Regional Geology**

Eminent geologists of the Provincial Ministry of Energy and Mines, the Geological Survey of Canada and various independent geologists, have extensively mapped Vancouver Island, and a general synopsis is drawn from information provided or drawn for all of these sources. No detailed mapping was completed during the course of this field inspection and all contacts and detailed rock types found in the area will need to be visually checked by additional mapping.

"The formation of Vancouver Island can be grouped into 6 major geological periods or Formal Rock groups but only limited exposures were visually seen in this visit to the property. These groups are:

- 1) Vancouver group
- 2) Bonanza group
- 3) Island Intrusions or the Jurassic Island Plutonic Suite and
- 4) Tertiary Intrusive Rocks.

And which comprise the following rock groups and time periods of formation.

- 1) Karmutsen formations and the Quatsino /Parson Bay formation of the Vancouver group and formed within the Triassic period,
- 2) The Bonanza Group volcanics, Pacific rim complex and Island Intrusions of the Jurassic period,
- 3) Sediments of the Nanaimo Grouping belonging to the Cretaceous period and
- 4) The sediments and volcanics of the Tertiary period including the Carmanah and Metchosin formations.

The exploration work is designed to achieve several specific objectives and one of these goals is to identify the possibility of structures, which may host mineralised inclusions, these inclusions being economically significant and being able to be extracted at a profit, i.e. an orebody."

However before the results of the field visit are discussed a brief analysis of the tectonic forces, which may produce the openings for hydrothermal fluids to enter, will be given as all fractures and openings in the crustal layers will not receive the fluids equally.

Early work by Massey (1955) established 5 known phases of tectonic movement, but of these 5 only 3 is relevant to this area. Of these phases the 4<sup>th</sup> phase of tectonic movement into the lower and Middle Jurassic systems and forming the uplift and elongate lineaments parallel to the NW axis of the uplift, is probably the most significant, with the 5<sup>th</sup> phase during the Eocene period with the resulting large thrust and reverse faults at a lower order of importance (Massey 1995; Coney 1980; Monger and Irving 1980)

In addition to this Tectonic activity, the structural formations and movements associated with these activities must be considered, as each type of fault has a particular significance in the hosting of mineralised deposits. As a starting point the definition of a fault is the ability of a movement within the tectonic reactions to overcome the structural or cohesive strength of the rock mass. In general the rock mass will tend to fracture and produce a "fault" on the general direction of the axis of the stress being applied, and this is true with a range of +/- 30 degrees from the axis. Smaller fractures or "faults" will occur off the main axis of the stress and these faults are secondary or tertiary order faults (Anderson 1951, Moody and Hill 1956). In addition it has been suggested by Moody and Hill that these lower order faults may splay off the original fault but in a parallel direction to the main fault. Additionally to the primary and secondary series of faults the determination of the type of faults can also be classified as Strike Faults; Reverse Faults; and Strike/Slip faults

Reverse faults are normally considered when the compressive stress is maximized in the horizontal direction and the least force is in the vertical direction. In the northern Vancouver Island area faults are near vertical or dip to the NW and may be thrust faults.

Strike /Slip faults occur when the minimum compressive strength is primarily horizontal and also appears to be very dominant is the northern section of the Island and have been plotted in various mining areas.

## Mineralization

The documentation of the mineralized occurrences within the overall Alberni Mining district has been readily available to engineers and geologists and date back to the early years of the century when extraction or "Ore" encouraged the production from several mines within the Inlet. However Sutherland Brown subjected that classification of the mineralised areas to a review in 1986 and this author tabulated the following deposits.

Vein type deposits	55%
Skarns	26%
VMS	9%
Porphyries	4%
Others	6%

However, when these deposits are rationally organized according to the type of host rock and economic significance the breakdown according to Sutherland Brown is:

Karmutsen Volcanics	29% but of little economic significance
Bonanza and Island Intrusive	54% Classified as type 1,2, and 3 vein deposits With major economic potential
Quatsino group	12% mainly skarns but with economic value
Buttle and Nanaimo groups	5% Minor economic significance

Around the claim group both the Karmutsen map [unit murTk] and the Bonanza /Intrusive rock types [map unit ijB and ijH] are evident and within the claim group Granodiorites and Quartz diorite [map units Jg]

Type 1 and 2 vein structures are according to Sutherland Brown relatively low in the economic potential scale but Type 3 is a typical Hydrothermal intrusive type vein structure and are spatially related to the Tertiary plutons and would be found in the map unit Jg

A typical vein deposit in this type of structure would be classified as ribbon textured, distinctively orange-red and near or within a well-developed shear structure. The rationale for this type of depositional mode is that the movement of the rock during deposition kept the fractures open, allowing successive periods of emplacement as identified by the ribbons of minerals laid upon each other along the sides of the fracture zones.

The mineralisation within the vein structures was visually identified as quartz and carbonates with metallic sulphide minerals identified as pyrite, pyrrohitite, chalcopyrite, bornite and possible covelite, minor sphalerite and possible galena. Precious metal mineralisation may exist as a free gold in the quartz matrix or as a replacement molecule in the pyrites and chalcopyrites.

In addition to this work, additional research by Pantelev (1985) has characterized the mode of deposition of many of the known deposits as Epithermal to describe the generic classification of deposits from hydrothermal fluid sources from within the earth. These depositions occurred in rocks subject to moderate pressures and relatively low 50 to 300 degrees C temperature. In addition the depositions only occur in

- (a) rocks near the surface hence low pressure formation
- (b) Within veins or branches of veins, and commonly form stockworks or cone like feature.
- (c) In areas with well developed tensional fracture planes.
- (d) Near or in volcanic terranes with well differentiated sub aerial pyroclastic rocks.
- (e) Ores and associated minerals form or fill open space to show banded cruciform, vuggy, drusy, colloform, and cockscomb textures.
- (f) Gold/silver are the main economic values, with copper occurring as chalcopyrite.
- (g) Gangue minerals are quartz and calcite with the Silica occurring as quartz but varieties identified include opal chalcedony and cristoballite.
- (h) Zones of Silicification can be flanked by sericite and other clay minerals and Kaolinite is often noticed.

- (i) At depth and above the boiling levels the precious metals are replaced by base metals. Often a barren area is contained within the transition zone between the precious metal and base metal areas.

### **Site Investigation.**

With the limited mapping and regional geology that can be accomplished in one field visit to a property the Regional geology is heavily relied upon to give an indication of the mineral potential of the area and in this visit it was evident that the logging road excavated through the claim group has traversed several rock sequences.

The logging roads identified as C900, C965 and C960 were traversed by truck and all outcrops visually identified either by the rock exposure encountered in the freshly blasted road cuts or by a geological inference from the adjacent cuts.

In addition all areas that were apparently weathered and showed promise of a mineralisation or stain by the dissolution of a pyrite inclusion into an iron oxide rust staining were closely inspected, to possibly identify if shearing of the formations, faulting and subsequent infilling by hydrothermal inclusions were present.

Although many of these stained areas were seen, it appeared that at this time two main areas indicated interest and should be followed up by further work. The end of the logging road C960 was into the Karmutsen formations and did not at this juncture appear to hold any economic mineralised values.

Two outcrops that did show promise were identified at

- 1) Along logging road C900 and approx 500m from the junction with C965 and
- 2) Along C960 and directly north of a small unnamed body of water

Although no major excavation was completed at this time, former work in constructing the road had identified an outcrop in area 1, and this was measured as approx 10m wide. The mineralised areas in outcrop 2 appeared smaller and is estimated at 1.5 to 2m wide and may consist of a number of fissure faults of infilling of various cracks in the Jurassic fine grained granodiorites or quartzmonzanites.

More significant than the width of the exposures and the actual mineralisation was that the strike of the two outcrops or mineralisation was approximately North 40° West to South 40° East and generally lined up with the exposures noted as locations 1 and 2.

The dip of the two outcrops was not easily established, but appeared to be, from the limited exposures seen to be at 75 to 80° to the South west and this is generally recognised to be the dip of many of economically important veins mined on Vancouver Island in former years.

Chip samples of these two areas were obtained and although will not be representative of the full width of the outcrop did demonstrate the banding of successive injections of mineralizing fluids and the breccia structures of typical hydrothermal vein infilling.

Mineralisation within the two outcrops also reinforced the supposition that these structures may be spatially related, as both Chalcopyrite/Pyrite inclusions were found and possible a higher copper value mineralisation of Bornite and Covellite along the quartz contact. Lower temperature deposition minerals including sphalerite appeared to be in minor association with the Chalcopyrite and the grab samples have been sent for analysis and the values will be reported upon when received.

## Recommendation for further work.

At the elevation that the claims are staked and the mineralisation was noted it is impractical to complete a winter work programme at this time, as when covered by 2m of snow no outcrops can be economically mapped and reported upon. We have therefore designed a further work programme of limited extent to be completed in the summer months when exploration budgets can be most advantageously used and the work on the initial programme extended as funds are realized to extend the information gained.

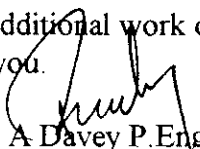
We therefore recommend that a limited exploration programme be considered at this time and until the extent of the visible mineralisation is known.

This programme would consist of:


- 1) Surface test pitting with hand held tools to establish a continuity of structure between the present test pits 1 and 2.
- 2) These pits to be 0.5m deep and across any noted mineralised width and at a horizontal or surface spacing of 30m.
- 3) Grab samples be taken across the full width of the mineralisation to identify the possible copper gold/silver values.
- 4) If indications are evident from the assay results of this initial grab samples taken the test pits should be revisited and channel samples taken across the mineralised areas to establish the possible contacts and true width of the mineralised sections.
- 5) Additional regional geological investigation completed to identify the outcrops of the various regional geological sequences depicted on the large scale mapping and to identify additional targets and or contact areas that may warrant investigation.
- 6) If it can be established that there is continuity between the outcrops shown as 1 and 2 and that further test pitting as described in items 1 and 2 shows mineral values of interest very small scale drilling should be contemplated. This drill programme would consist of a hand held diamond drill [Winkie or equivalent] drilling holes of limited vertical extent into the possible vein structure at 45 to 60° to establish continuity at limited depth. This work will not provide a definitive value of the mineralisation, but will identify the structure.

At the conclusion of the limited work programme a further report should be commissioned to evaluate the potential of the mineralised area and the much larger overall programme that will be required for further definition of the area. At this point additional claim staking or significant expenditures may be required.

If any additional work or explanation of this report is required we will be pleased to advise you.

  
Robert A Davey P.Eng  
Davey Consulting and Engineering.

C:\My Documents\doknjas.report.02.1.doc

  
10 Nov 2002



Name : Mike Doknjas  
 Location : Middle Memekay River  
 Reference Map : 92K04W or TRIM=92K.011  
 Digitized from : TRIM/Rectified photo BCB96096#70  
 Area (ha.): 150.00  
 Scale : 1:20,000  
 Date(Y,M,D) : 02/10/21 (Revised by date)  
 Drawn By : M.D.  
 Mindseye Digital Ltd. 250 926-0358 Digital Mapping

**VIROSA 203838**  
**VIROSA #1 684638**  
**VIROSA #2 684637**

Claim Number : 203838,684637,684637  
 Claim Name : VIROSA, VIROSA #1, #2  
 Staking Start : 2002/07/23  
 Staking Finish : 2002/10/18  
 Locator : Mike Doknjas  
 FMC Number : 142257  
 Number of Claim Units : 8 total  
 Field work by : Mike Doknjas

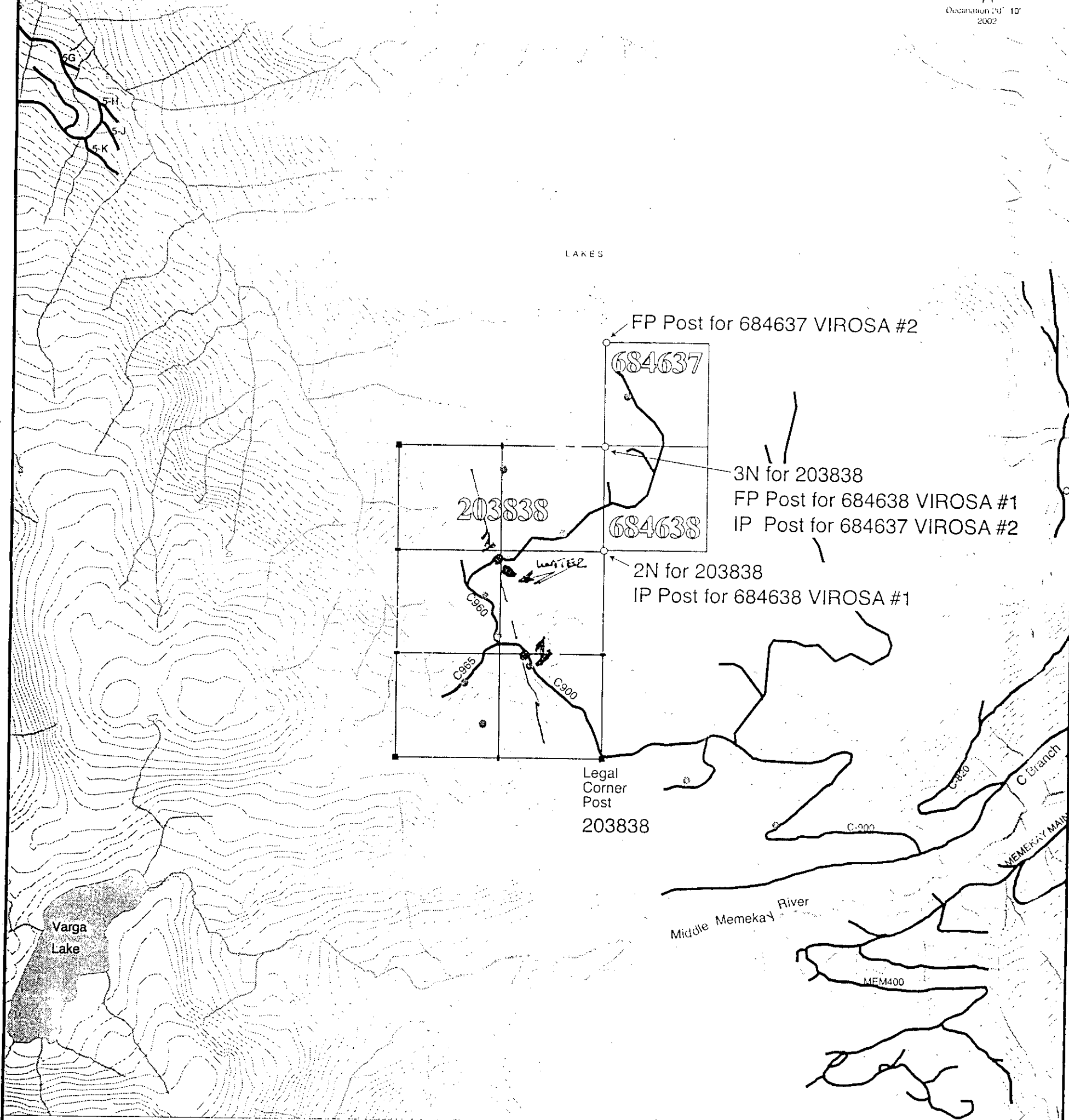
**Mineral Title Map**



Ducination 20' 10"  
 2002

LAKES

LAKES



FP Post for 684637 VIROSA #2

684637

3N for 203838

FP Post for 684638 VIROSA #1  
 IP Post for 684637 VIROSA #2

684638

2N for 203838

IP Post for 684638 VIROSA #1

Legal  
 Corner  
 Post  
 203838

Varga  
 Lake

Middle Memekay  
 River

MEM400

	Tenured Mineral Claims		Rock Sample
	NEW Mineral Claim		Contours (20m)
	Corner Post		Streams / Lakes
	Identification Post		Roads
			IP and FP



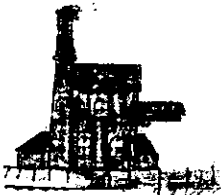


49°

PERIOD	STAGE	GROUP	FORMATION	BOL	THICKNESS IN m. ±	LITHOLOGY	NAME	BOL	ISOTOPIC AGE		Lithology			
									Pb/U	K/Ar				
CENOZOIC	EOCENE to OLIGOCENE		late Tert. volc's of Port McNeill	Tvs										
			SOOKE BAY	mpTSB										
			CARMANAH	eoTC	1,200		sandstone, siltstone, conglomerate							
			ESCALANTE	eTE	300		conglomerate, sandstone							
	early EOCENE		METCHOSIN	eTM	3,000	basaltic lava, pillow lava, breccia, tuff	SOOKE INTRUSIONS - silicic basic	Tg		32-59	quartzite			
							METCHOSIN SCHIST, GNEISS	Tgb		31-49	gabbro			
							LEECH RIVER FM.	Tm		47	chert			
								JKL		38-41	phyllite			
MESOZOIC	LATE	NANAIMO	MAESTRICHIAN	uKGA	350	sandstone, conglomerate								
			SPRAY	uKS	200	shale, siltstone								
			GEOFFREY	uKG	150	conglomerate, sandstone								
			NORTHUMBERLAND	uKN	250	siltstone, shale, sandstone								
			DE COURCY	uKDC	350	conglomerate, sandstone								
			CEDAR DISTRICT	uKCD	300	shale, siltstone, sandstone								
			EXTENSION - PROTECTION	uKEP	300	conglomerate, sandstone, shale, coal								
			HASLAM	uKH	200	shale, siltstone, sandstone								
			COMOX	uKC	350	sandstone, conglomerate, shale, coal								
			EARLY	CENOMANIAN ALBIAN APTIAN?	QUEEN	conglomerate unit	IKac	900	conglomerate, greywacke					
						siltstone shale unit	IKop	50	siltstone, shale					
						VALANGINIAN BARREMIAN	IKL	250	greywacke, conglomerate, siltstone					
						TITHONIAN CALLOVIAN	uJS	500	siltstone, argillite, conglomerate					
			MID-LATE	TOARCIAN?	BONANZA	volcanics	IJB	1,500	basaltic to rhyolitic lava, tuff, breccia, minor argillite, greywacke	PACIFIC RIM COMPLEX	JKP			grey volcanic
HARBLEDOWN	IJH					argillite, greywacke, tuff	ISLAND INTRUSIONS WESTCOAST COMPLEX	Jg	141-181	granite				
EARLY	NORIAN	VANCOUVER	PARSON BAY	uRPB	450	calcareous siltstone, greywacke, silty limestone, minor conglomerate, breccia	silicic basic	PMns	264	163-192	quartzite			
			QUATSINO	uRO	400	limestone		PMnb						
MID	LADINIAN		KARMUTSEN	muRK	4,500	basaltic lava, pillow lava, breccia, tuff	diabase sills	PRb						
			sediment-sill unit	Rds	750	metasiltstone, diabase, limestone	limestone	LS						
PALEOZOIC	PENN. and EARLIER?	SICKER	BUTLE LAKE	CPBL	300	limestone, chert	metavolcanic rocks	PMmv			metasedimentary			
			sediments	CPSS	600	metagreywacke, argillite, schist, marble								
			volcanics	CPsv	2,000	basaltic to rhyolitic metavolcanic flows, tuff, agglomerate								
			TYEE INTRUSIONS COLQUITZ GNEISS	Pg	>390	metarhyolite, quartzite								
			WARK DIORITE GNEISS	Pns	>390	quartzite								
				Pnb		hornblende quartzite			163-182					

All

# DAVEY CONSULTING AND ENGINEERING



Division of Davey Holdings Ltd  
[Associate company: Advanced Environmental Inc.]  
Box 473 1188 Leffler Road  
Errington  
British Columbia V0R 1V0

Phones 250-248-7203 & 1-800 838-9887

Fax 250-248-9744

e-mail [daveyconsult@shaw.ca](mailto:daveyconsult@shaw.ca)

[davey@bcsupernet.com](mailto:davey@bcsupernet.com)

WEBSITE [www.daveyconsulting.com](http://www.daveyconsulting.com)

Mindseye Digital Ltd  
4585 South Island Highway  
Campbell River  
B.C.  
V9H 1B8

11 December 2002

Attention: Mr Mike Doknjas


Dear Mike,

Enclosed are the assay results from the samples that I took during the recent visit to the site west of Sayward. The results of samples # 100254 and # 100255 show elevated levels of copper with indications that Silver is above normal however the gold concentration does not indicate any real interest.

As these are only spot or grab samples no determination of a structure or length of the outcrop can be made however a full sampling programme of systematic examination along the length on the "vein" structure is indicated.

We will be pleased to help you further on this project.

Yours truly

  
Robert A Davey P.Eng  
Davey Consulting and Engineering.

Enclosure

C:\My Documents\doknjas.assay.2.doc

ACME ANALYTICAL LABORATORIES LTD.  
(ISO 9002 Accredited Co.)

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

AA

GEOCHEMICAL ANALYSIS CERTIFICATE

AA

Davey Consulting & Engineering File # A209151  
1188 Leffler Road, Errington BC V0R 1V0

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Er	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
S1	<1	4	6	6	<.3	<1	<1	2	.04	<2	<8	<2	<2	3	<.5	<3	<3	<1	.14	<.001	<1	2	<.01	5	<.01	<3	.01	.55	.01	<2	16.1
A 100254	3	13234	18	17	39.7	5	17	45	4.02	12	<8	<2	<2	22	<.5	<3	25	8	.15	.006	<1	12	<.01	37	.01	<3	.18	<.01	.04	3	12.0
A 100255	13	30367	10	52	27.0	11	50	43	4.97	50	<8	<2	<2	7	<.5	<3	4	11	.08	.014	1	20	.01	52	.08	3	.17	<.01	.13	7	20.0
A 100256	1	263	8	10	.4	21	14	261	1.81	6	<8	<2	<2	9	<.5	<3	<3	23	.35	.164	4	23	.11	99	.01	6	1.01	.02	.49	<2	103.8
STANDARD DS4/AU-R	6	120	33	151	<.3	35	11	762	3.12	22	<8	<2	5	27	5.4	5	5	72	.50	.092	17	153	.58	145	.09	<3	1.62	.03	.15	5	450.0

GROUP 10 - 0.50 gm SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.  
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.  
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
- SAMPLE TYPE: ROCK R150 60C AU\* IGNITED, ACID LEACHED, ANALYZED BY ICP-MS. (10 GM)

DATE RECEIVED: NOV 25 2002 DATE REPORT MAILED: Dec 6/02 SIGNED BY: [Signature] D. TOYE, C. FONG, J. WANG; CERTIFIED B.C. ASSAYERS

3.0370  
1.3290

B2

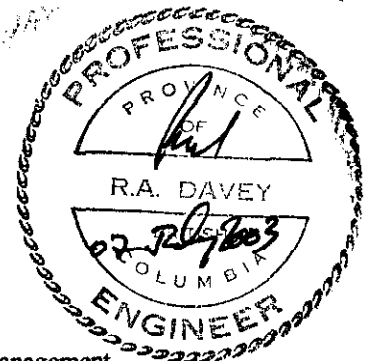
DEC-06-2002 FR: 04:52 PM ACME ANALYTICAL LAB FAX NO: 6042533158

## Statement of Cost

2002	Seven grab rock samples sent for analysis, during anniversary year	\$275.00
2002	Shipping and handling for 7 rock samples	\$ 60.00
2002	Photogrammetry and 1:5,000 topographical mapping	\$ 960.00
2002	Ground measurements, grab sample collection, prospecting 79 hours @ \$19.50 per man hour. Includes wage cost.	\$1,540.50
2002	Five vehicle days for one 4 wheel drive vehicle	\$ 500.00
November 2002	Mining Consultant one field day and report writing	\$ 500.00
	TOTAL	\$ 3,835.00

### Days worked on claim sites

August 29, 2002	2 men	10 hours
October 7, 2002	1 man	9 hours
October 15, 2002	1 man	8.5 hours
October 20, 2002	1 man	8 hours
November 04, 2002	2 men	8 hours (one manday being the consultant)



Geotechnical Engineering- Mining Engineering -Environmental Assessments-Project Management  
Residential and Commercial Inspections- Advanced treatment and Disposal of Effluents.  
Professional Liability Insurance under Encon policy # L60200 Certificate # ENG 316775

# Statement of Qualifications

## **Davey Consulting and Engineering.**

A full range engineering company providing services in Mining Engineering and exploration, earth sciences, ground resource, and basic construction engineering disciplines. The principal and a graduate research associate of the company are retained on a full time basis, but additional associated members are retained on as needed, enabling the company to complete complex designs and detailed engineering problems, using the latest techniques and systems, without incurring large overheads and permanent staff.

All work is professionally sealed with a B.C. Professional Engineers and Geoscientists seal as required, for either government reports and or legal documentation.

Additional resources for detailed work include the following:-

- Geographic Systems analysis and design ( GIS Systems)
- Geotechnical investigation and capabilities
- Hydrological Investigations.
- Geo-hydrogeological and Geomorphology
- Rock excavations and stability designs and investigations
- Building footprint design and analysis
- Slope stability and Remediation.
- Building investigations and Remediation

## **Resume of Principal**

Robert A Davey P.Eng

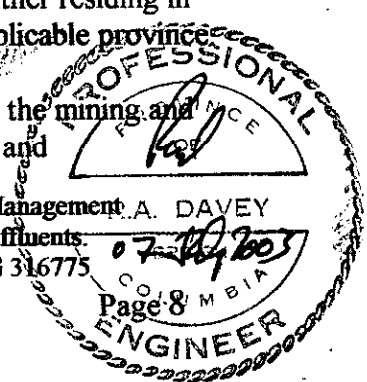
Robert A Davey P.Eng Principal and President

Davey Holdings Ltd./ Davey Consulting and Engineering and Advanced Environmental Inc.

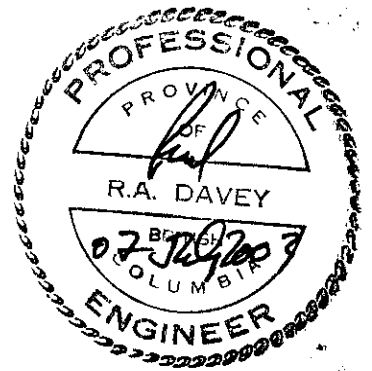
The principal of both firms is Mr. Robert A Davey A.C.S.M. P Eng. A graduate mining engineer from the Camborne School of Metalliferous Mining Camborne, Cornwall, England and who graduated from this school in 1964. Subsequent experience and training coupled with the educational requirements of this degree enabled Mr. Davey to obtain standing as a Professional Engineer under the authority of the Association of Professional Engineers and Geoscientists of British Columbia in October 1972, and Mr. Davey has retained this standing uninterrupted since that date. In addition to this authority Mr. Davey has at differing times during his career carried the P.Eng designation of both the Province of Ontario and Newfoundland while either residing in these provinces or working on projects within the jurisdiction of the applicable province.

Since graduation as a mining engineer Mr. Davey has been employed in the mining and geotechnical industries both as a practicing engineer and in supervisory and

Geotechnical Engineering- Mining Engineering -Environmental Assessments-Project Management  
Residential and Commercial Inspections- Advanced treatment and Disposal of Effluents.  
Professional Liability Insurance under Encon policy # L60200 Certificate # ENG 316775



management positions; throughout Canada and Overseas; before starting his own consulting company. During this extensive engineering career Mr. Davey has been engaged on innovative design projects both with consulting engineering firms and contracting companies. A considerable portion of Mr. Davey's expertise has been gained in remote locations; being responsible for mining exploration and extraction and civil engineering projects without the benefit of consulting engineers being readily available for direct consultation. This work included mineral exploration projects for small and large scale companies and individuals, management of the supporting infrastructure ; Regional Geotechnical studies and the supporting databases; and hydrological studies;



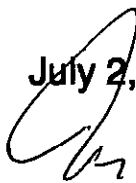
Geotechnical Engineering- Mining Engineering -Environmental Assessments-Project Management  
Residential and Commercial Inspections- Advanced treatment and Disposal of Effluents.  
Professional Liability Insurance under Encon policy # L60200 Certificate # ENG 316775

## Statement of Qualifications

I Mike Doknjas of Campbell River do certify that:

- \* I am a free miner.
- \* I am a rock collector.
- \* I have been actively prospecting for mineral ores since 2000 in BC.
- \* I am a professional GIS specialist also specializing in aerial photogrammetry and am a Karst Inventory Specialist. Owner of Mindseye Digital Ltd. providing a full range of digital cartography and photogrammetry services as well as Karst Vulnerability Assessments.
- \* I have been in charge of large limestone inventories on Vancouver and Quadra Island since 1994. Conducting mapping and field assessments on over 12,000 hectares of the Quatsino Limestone formation and investigations of numerous contact and volcanic intrusion areas within these deposits. Contracted by the Campbell River Forest District and Weyerhaeuser, North Island Timberlands based out of Campbell River.
- \* I have written parts of this report and have participated in all of the field work.

July 2, 2003



Mike Doknjas





INTERNATIONAL PLASMA LABORATORY LTD.

# CERTIFICATE OF ANALYSIS

## iPL 00J1424



2036 Columbia Street  
Vancouver, B.C.  
Canada V5Y 3E1  
Phone (604) 879-7878  
Fax (604) 879-7898  
Email ipl@direct.ca

Client : Industrial Forest Management Corp.  
Project: None Given

3 Samples  
3=Rock

[142415:38:56:00102600]

Out: Oct 26, 2000  
In : Oct 20, 2000

Page 1 of 1  
Section 1 of 2

Sample Name	Type	Au g/mt	Ag g/mt	Pt g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
Sample #1 VENT	Rock	0.04	14.4	0.02	15.8	17440	27	130	<5	<5	<3	8	<2	<2	2.4	23	12	188	9
Sample #2 PYRITE AREA	Rock	0.04	1.1	0.01	<0.1	70	32	56	<5	<5	<3	8	<2	<2	12.8	663	<1	72	<5
Sample #3 OLD MINE	Rock	0.02	1.0	0.01	<0.1	27	55	142	<5	<5	<3	5	<2	<2	34.3	52	42	57	10

MAP #1  
NOT IN  
VIROSE  
MINERAL  
CLAIM

1.79%

17

Minimum Detection 0.01 0.3 0.01 0.1 1 2 1 5 5 3 1 2 2 0.1 1 1 2 5  
Maximum Detection 9999.00 1000.0 99999.00 100.0 20000 20000 20000 10000 1000 10000 1000 1000 10000 1000.0 10000 10000 10000 10000  
Method FA/AAS FAGrav FA/AAS ICPM ICPM ICPM ICPM ICPM ICPM ICPM ICPM ICPM ICPM ICPM ICPM ICPM ICPM ICPM  
—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample



INTERNATIONAL PLASMA LABORATORY LTD.

# CERTIFICATE OF ANALYSIS

## iPL 02I0971



2036 Columbia Street  
 Vancouver, B.C.  
 Canada V5Y 3E1  
 Phone (604) 879 7878  
 Fax (604) 879 7898  
 Email ipl@direct.ca

Client : \*\* CASH SALE \*\*\*  
 Project: Mike Doknjas

**3 Samples**  
 3=Rock

[097109:27:01:20092502]

Out: Sep 25, 2002  
 In : Sep 03, 2002

Page 1 of 1  
 Section 1 of 2

Sample Name	Type	Au g/mt	Ag g/mt	Pt g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
Sample 1 MAP# 5	Rock	0.01	<0.3	<0.01	<0.1	<1	5	20	<5	<5	<3	8	<10	<2	<0.1	7	1	42	40
Sample 2 MAP# 4	Rock	0.04	<0.3	<0.01	<0.1	40	24	69	<5	<5	<3	22	<10	<2	<0.1	59	<1	24	42
Sample 3	Rock	0.03	<0.3	<0.01	<0.1	64	21	94	<5	<5	<3	15	<10	<2	<0.1	21	31	18	39

OUTSIDE OF  
 VIROSA

C2

Minimum Detection      0.01    0.3    0.01    0.1    1    2    1    5    5    3    1    10    2    0.1    1    1    2    5

Maximum Detection    9999.00 999999.0 99999.00 100.0 20000 20000 20000 10000 1000 10000 1000 1000 10000 100.0 10000 10000 10000 1000

Method                    FA/AAS    FAGrav    FA/AAS    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP

—=No Test    Ins=Insufficient Sample    Del=Delay    Max=No Estimate    Rec=ReCheck    m=x1000    %=Estimate %    NS=No Sample



INTERNATIONAL PLASMA LABORATORY LTD.

# CERTIFICATE OF ANALYSIS

## iPL 02J1125



ISO 9002:1994  
FM 64220

2036 Columbia Street  
Vancouver, B.C.  
Canada V5Y 3E1  
Phone (604) 879-7878  
Fax (604) 879-7898  
Email iplab@telus.net

Client : \*\* CASH SALE \*\*\*  
Project: Mike Doknjas

**3 Samples**  
3=Rock

[112512:39:12:20101102]

Out: Oct 10, 2002  
In : Oct 09, 2002

Page 1 of 1  
Section 1 of 2

Sample Name	Type	Au g/mt	Ag g/mt	Pt g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
Sample #1 MAP #6	Rock	0.05	9.3	<0.01	9.5	7771	8	49	<5	<5	<3	7	<10	<2	<0.1	336	28	12	<5
Sample #2 MAP #7	Rock	0.05	31.0	<0.01	31.0	6.8%	6	82	<5	<5	<3	5	<10	<2	<0.1	89	21	31	21
Sample #3 MAP #2	Rock	0.04	15.5	<0.01	15.5	3.8%	12	74	<5	<5	<3	8	<10	<2	<0.1	51	12	54	5

23

Minimum Detection      0.01    0.3    0.01    0.1    1    2    1    5    5    3    1    10    2    0.1    1    1    2    5  
 Maximum Detection    9999.00    9999.0    99999.00    100.0    20000    20000    10000    10000    1000    10000    1000    10000    10000    100.0    10000    10000    10000    10000    10000  
 Method                    FA/AAS    FAGrav    FA/AAS    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP  
 —=No Test    Ins=Insufficient Sample    Del=Delay    Max=No Estimate    Rec=ReCheck    m=x1000    %=Estimate %    NS=No Sample



# CERTIFICATE OF ANALYSIS

## iPL 02F0666



2036 Columbia Street  
 Vancouver, B.C.  
 Canada V5Y 3E1  
 Phone (604) 879-7876  
 Fax (604) 879-7897  
 Email ipl@direct.ca

Client : \*\* CASH SALE \*\*\*  
 Project: Mike Doknjas

**2 Samples**  
 2=Rock

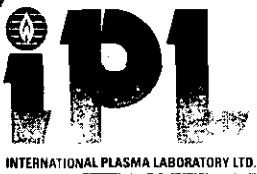
[066617:06:10:20070302]  
 Out: Jul 03, 2002  
 In : Jun 28, 2002

Page 1 of 1  
 Section 1 of 2

Sample Name	Type	Au g/mt	Pt g/mt	Pd g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
Sample #1	Rock <i>Porous</i>	0.02	<0.01	<0.01	9.8	871	4	5	<5	<5	<3	6	<10	<2	<0.1	50	10	10	7
Sample #2	Rock <i>vent</i>	0.03	<0.01	<0.01	13.3	6.4%	8	97	<5	<5	<3	7	<10	<2	<0.1	66	8	15	<5

47

Minimum Detection: 0.01 0.01 0.01 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5  
 Maximum Detection: 9999.00 99999.00 99999.00 100.0 20000 20000 20000 10000 1000 10000 1000 1000 10000 100.0 10000 10000 10000 1000 1000  
 Method: FA/AAS FA/AAS FA/AAS ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP  
 —No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate NS=No Sample



# CERTIFICATE OF ANALYSIS

iPL 02J1171



ISO 9002:1994  
FM 64220

2036 Columbia Street  
Vancouver, B.C.  
Canada V5Y 3E1  
Phone (604) 879-7870  
Fax (604) 879-7890  
Email iplab@telus.net

Client : \*\* CASH SALE \*\*\*  
Project: Mike Doknjas

**2 Samples**  
2=Rock

[117108:54:02:20102402]

Out: Oct 24, 2002  
In : Oct 22, 2002

Page 1 of 1  
Section 1 of 2

Sample Name	Type	Au g/mt	Ag g/mt	Pt g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
Sample #1 <i>MAP# 11</i>	Rock	0.01	<0.3	<0.01	<0.1	21	15	13	<5	<5	<3	11	<10	<2	<0.1	293	8	10	<5
Sample #2 <i>MAP# 8</i>	Rock	0.10	<0.3	<0.01	<0.1	1	16	73	<5	<5	<3	5	<10	<2	<0.1	24	<1	24	<5

57

Minimum Detection      0.01    0.3    0.01    0.1    1    2    1    5    5    3    1    10    2    0.1    1    1    2    5  
 Maximum Detection    9999.00   9999.0   1000.00   100.0   20000   20000   20000   10000   1000   10000   1000   1000   10000   100.0   10000   10000   10000   10000  
 Method                    FA/AAS    FAGrav    FA/AAS    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP    ICP

—=No Test    Ins=Insufficient Sample    Del=Delay    Max=No Estimate    Rec=ReCheck    m=x1000    %=Estimate %    NS=No Sample