825643

MINOVA Inc.

1989 ANNUAL REPORT

BRENDA-OKANAGAN JOINT VENTURE

The 1989 exploration program has provided the Minnova - Brenda exploration joint venture with a solid and successful start. It involved a busy manpower intensive season of assessing both the regional mineral potential and individual property potential in the Okanagan area.

Venture, three projects, namely Last Chance, Wart and Richter, will continue on with more advanced work in 1990. Last Chance has large areas of Miocene epithermal alteration (large Hg, As, Ag anomalies) and with more detailed work, will be drilled in 1990. The Wart property has several gold bearing fault zones and has promising potential for gold bearing structures similar to those of the Elk property directly to the south. The Richter property has been brought to the stage where several gold bearing targets have been identified and values obtained of up to 6.8 g/t Au. Numerous soil anomalies have been identified and will be explored in 1990 including diamond drilling of the best targets.

Of the remaining projects, the Jolly property was drill tested in 1989 and while promising structures were successfully intersected the low gold values indicate further work is not warranted. The Lamb and Gil projects also were found to have very low mineral potential and further work is not justified. Both the Clapper and Ferroux properties have promising potential for Au ± Cu porphyry deposits and further work will be proposed once they have been compared to other porphyry properties presently available.

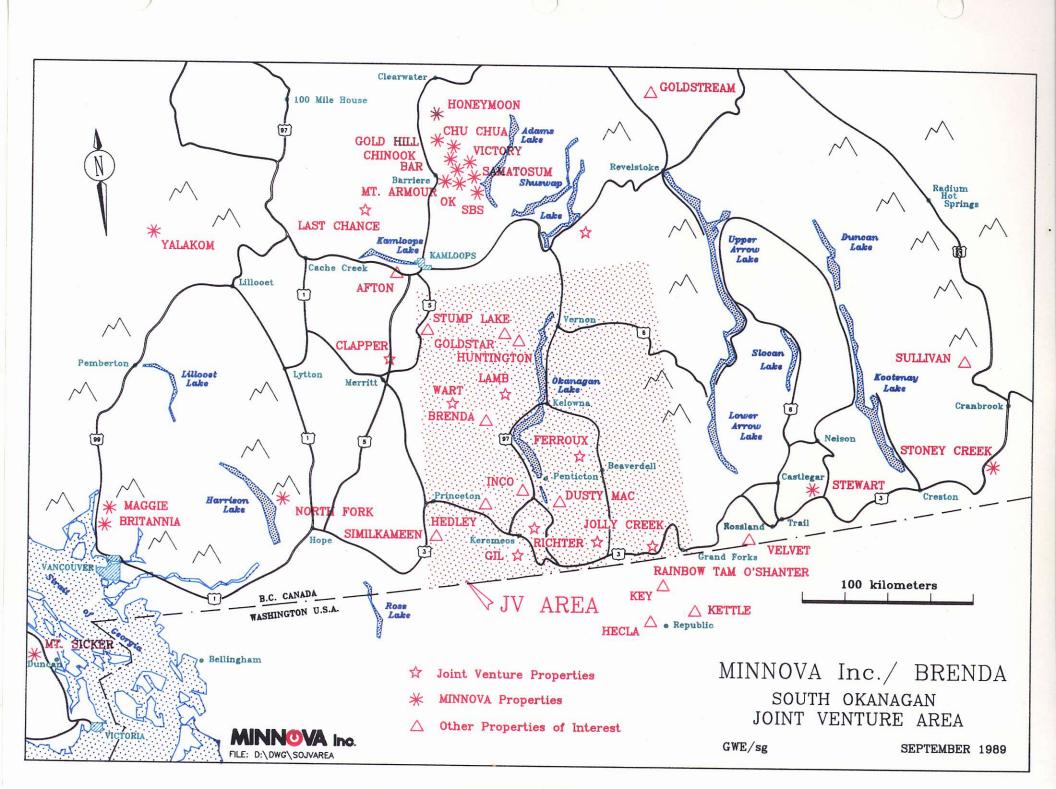
The Brenda Reconnaissance program was very successful in 1989 in assessing the mineral potential of the region as well as bringing in the Rainbow Tam-O'Shanter project to the Joint Venture. A surprisingly large number of property submissions were sent in and this is expected to continue. This program allows us to focus on various targets including alkaline porphyries (Nicola Group)

and gold bearing skarns (Greenwood area) and to continue the Tertiary gold program. It provides the solid groundwork and areawide presence that will set the foundation for future discoveries.

PROJECT NAME: Brenda	ıJV	PROJECT NO.	all	
GEOLOGY				
	Salaries	\$103,716		
	Travel Expenses	\$3,543		
	Contract Payments	\$3,651		
	Field Expenses	\$48,239		
	Analyses	\$15,904	\$175,053	30%
GEOPHYSICS				
	Salaries	\$0		
	Travel Expenses	\$0		
	Contract Payments	\$98,119		
	Field Expenses	\$3	\$98,122	17%
GEOCHEMISTRY				
<u> </u>	Salaries	\$35,976		
	Travel Expenses	\$0		
	Contract Payments	\$2,286		
	Field Expenses	\$1,961		
	Analyses	\$77,342	\$117,565	20%
DRILLING				
	Salaries	\$11,028		
	Travel Expenses	\$0		
	Contract Payments	\$77,992		
	Field Expenses	\$2,173		
	Analyses	\$6,511	\$97,704 	17%
Line Cutt	•		\$31,116	5%
Trenching			\$11,599	2%
Hotels an			\$23,451	4%
Option Pa	-		\$15,000 \$10,005	3%
	Maintenance		\$12,335	2%
Other			\$0	0%
	TOTAL DIRECT EXPE	NDITURES	\$581,945	
	ADMINISTRATION (12	2%)	\$68,033	
	(excluding option payr	TOTAL	\$649,978	

FURTHER BREAKDOWN

SALARIES	\$150,720	26%
TRAVEL	\$3,543	1%
CONTRACT	\$182,048	31%
FIELD EXP	\$52,376	9%
ANALYSES	\$99,757	17%



LAST CHANCE (PN 622)

G. Evans

Introduction

The Last Chance claims are located approximately 18 km north-northwest of the west end of Kamloops Lake. Of the five claims, L.C. 1-4 (71 units) are contiguous with L.C. #5 (20 units) lying two km to the southwest. High mercury values in rocks and anomalies in A.E.M. surveys prompted 1989 work, looking for a precious metal bearing epithermal system.

1989 Programme

Geophysics -	-	19.2 km of ground mag/VLF survey was conducted over the grid area			
		A. E. M. survey 202 line km flown			
Geology -	-	22.2 km of grid was geologically mapped			
		at 1:2500 scale			
Geochemistry -	 61 rocks samples were taken and analyz 				
		with the lithogeochemical package and Hg			
		884 soil samples were analyzed for Cu, Pb,			
		Zn, Ag, Au, As, Sb, and Hg			
Line Cutting -	-	22.2 km of line were cut in grid			
		establishment			
Trenching -	_	118 m were excavated in 10 trenches			

Results

In 1989 the property was flown with an DIGHEM airborne mag/resistivity survey to outline major structures and gain a better understanding of the geology. The airborne magnetometer survey outlined two very distinct magnetic features believed to be

subvolcanic intrusives. These are located along the Deadman River fault and along a NW trend near the LC showings. They are tentatively interpreted to be the heat sources of the epithermal systems. The regional structures previously mapped were also better defined as resistivity lows.

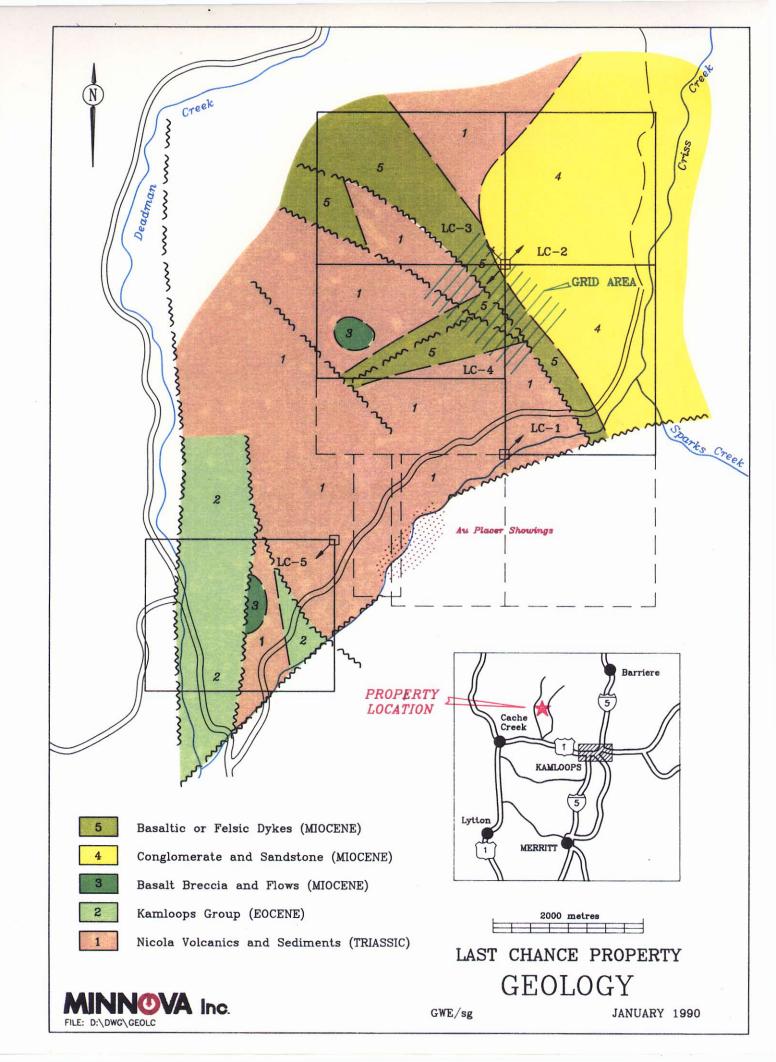
A grid was placed over the LC showing area to better understand the epithermal system and controls for mineralization. A large soil anomaly lies along the contact of a conglomerate unit intruded by a mafic subvolcanic intrusive. Strongly anomalous Hg, As and Ag values occur along the contact with the conglomerate which provides an ideal impermeable cap as an ore control. The L.C. showings are located along this contact and have minor malachite, azurite and tetrahedrite associated with the mercury showings.

In the epithermal model the alteration seen to date would lie above or peripheral to the main precious metal system. With numerous post Eocene structures with high level epithermal alteration zones present the focus of future work will be to test these systems at depth, either using topographic controls or by drilling.

Recommendations

- 1. Establish grids over the strike extension of the soil anomalies and favourable contact on the LC grid and the altered zone on L.C. #5.
- 2. Soil Sample grid areas.
- 3. Geological mapping and trenching of targets.
- 4. Drill the targets outlined.

PROJECT NAME:	Last Chance		PROJECT NO.	622	
GEOLOGY					
	(Salaries	\$6,166		
	-	Travel Expenses	\$218		
	(Contract Payments	\$540		
	1	Field Expenses	\$3,946		
	,	Analyses	\$0	\$10,870	16%
GEOPHYSICS					
	;	Salaries	\$0		
	•	Travel Expenses	\$0		
		Contract Payments	\$20,894		
		Field Expenses	\$0	\$20,894	31%
GEOCHEMISTRY					
	;	Salaries	\$3,402		
	•	Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$13,509	\$16,911	25%
DRILLING					
	:	Salaries	\$0		
	•	Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$0	\$0	0%
L	ine Cutting			\$11,152	16%
	renching			\$4,013	6%
	lotels and Meals			\$1,557	2%
	ption Payments			\$0	0%
	Property Maintena	nce		\$2,840	4%
	Other			\$0	0%
		TOTAL DIRECT EXPEN	IDITURES	\$68,238	



BRENDA GENERAL (PN 624, 658)

G. Evans

Introduction

The Brenda General budget covers the joint venture area and was implemented to examine properties for possible acquisition and explore on a reconnaissance level, areas with favourable geology. In 1989 it funded innumerable property submittals which resulted in the optioning a promising new epithermal project the Rainbow-Tam O'Shanter.

1989 Programme

Geology		53 properties were visited as well as
		numerous geological traverses for regional
		geology
	-	92 properties submitted and reviewed
	-	the Yellow property was mapped 1:2500
Geochemistry	-	102 heavy mineral samples (Westbank, Rich
		Creek, Rock Creek and Merritt areas)
	-	204 soil samples taken (Loak and Giant's
		Head areas)
	_	273 rock samples for geochem and/or assay
Geophysics	-	Colour imagery of a government airborne
		magnetometer survey compilation

Results

The emphasis of the 1989 program was to find promising Tertiary epithermal systems. Numerous properties were visited in the Okanagan Eocene grabens and a large number of epithermal systems were identified. A majority of these systems were found to be barren of precious metals but several promising targets were defined. One of the more promising targets, the Rainbow-Tam O'Shanter property has since been optioned and will be intensively explored in 1990.

A large number of mesothermal quartz vein systems were also visited in the Okanagan. While several vein systems carry high gold and silver values, the tonnage potential appears limited. As well several gold bearing skarns were examined and the area between Rock Creek and Grand Forks is highlighted for its large number of precious metal skarns. In 1990 a compilation will be carried out in this area and some skarns previously visited will be examined in detail.

· Very few copper-gold porphyry systems were visited in 1989 but through property submittals the Triassic Nicola alkaline porphyries show promising potential. Several properties have been reviewed including advanced projects such as Mann and in 1990 this belt will be explored more thoroughly.

Recommendations

- 1. Continue Tertiary epithermal exploration (property exams and heavy mineral sampling east of Greenwood).
- Compile and examine gold bearing skarns in the area from Rock Creek east to Grand Forks.
- 3. Compile and examine copper-gold alkaline porphyries in the Nicola Group.
- 4. Assess and visit promising properties as they are submitted.

PROJECT NAME:	Brenda General		PROJECT NO.	624,658	
GEOLOGY					
		Salaries	\$45,247		
		Travel Expenses	\$2,560		
		Contract Payments	\$3,111		
		Field Expenses	\$12,839		
		Analyses	\$8,821	\$72,578	65%
GEOPHYSICS					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$3,878		
		Field Expenses	\$0	\$3,878	3%
GEOCHEMISTRY					
		Salaries	\$9,529		
		Travel Expenses	\$0		
		Contract Payments	\$2,286		
		Field Expenses	\$893		
		Analyses	\$15,799	\$28,507	25%
DRILLING					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$0	\$0	0%
	Line Cutting			\$0	0%
•	Trenching			\$0	0%
	Hotels and Meals			\$6,936	6%
	Option Payments			\$0	0%
	Property Maintena	ance		\$505	0%
	Other			\$0	0%
		TOTAL DIRECT EXPEN	NDITURES	\$112,403	

G. Evans

Introduction

The Gil property consists of 36 units located seven km southwest of Keremeos. The property was staked in 1987 to cover several heavy mineral samples anomalous in Au over known skarn showings. Previous work concentrated on tungsten potential in the skarns with values as high as 3.85% W over five metres encountered. The Hedley Camp lies only 12 km northwest of the property and over 50 million grams of gold have been extracted from skarn mineralization to date.

1989 Programme

Assessment was filed with the 1988 work to put the claims in good standing until June 9, 1992.

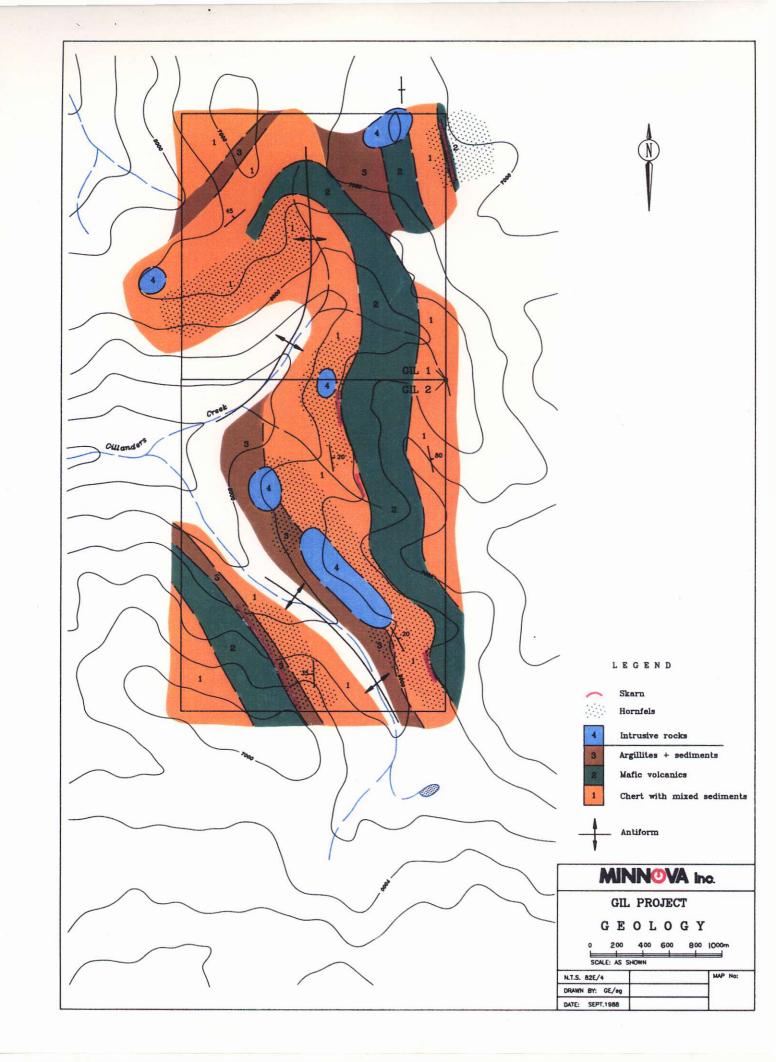
Results

Extensive hornfelsing surrounds a complex Mesozoic intrusive complex. Skarns are located near limestone units within a highly deformed sequence of Permian mafic volcanics and sediments. Anomalous values of Pb, Zn, Cu, WO3, Bi, Ag and Au are found in the skarns but no economic values to date. The strong heavy mineral anomalies have not been fully explained and Au bearing retrograde alteration has not been identified on the property.

Recommendations

At this time no further work is recommended.

PROJECT NAME:	Gil	Р	PROJECT NO.	626	
GEOLOGY					
		Salaries	\$1,530		
		Travel Expenses	\$154		
		Contract Payments	\$0		
		Field Expenses	\$93		
		Analyses	\$0	\$1,776	71%
GEOPHYSICS					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0	\$0	0%
GEOCHEMISTRY					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$0	\$0	0%
DRILLING					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$0	\$0 	0%
				••	00/
	Line Cutting			\$0 \$0	0%
	Trenching			\$0	0%
	Hotels and Meals			\$0	0%
	Option Payments			\$0 \$700	0%
	Property Mainten Other	ance		\$720 \$0	29% 0%
	Juio.			**	
•		TOTAL DIRECT EXPENDI	ITURES	\$2,496	



JOLLY PROPERTY (PN 628)

G. Evans

Introduction

The Jolly property consists of four crown grants and six mineral claims (45 units), located about ten kilometres northwest of Rock Creek and three kilometres east of Camp McKinney. The claims are underlain predominantly by Carboniferous or older Anarchist Group metasediments and volcanics. Several old workings on narrow, discontinuous, auriferous quartz veins occur on the property. The 1989 work program involved testing, by diamond drilling, the major north-south and east-west structures on the property. Because of the narrow, discontinuous nature of these veins, further exploration is not justified.

1989 Program

Geology - 1 km² grid mapping at 1:2000

Linecutting - 10 line kilometres

Geophysics - 9 line kilometres mag and VLF/EM

Diamond Drilling - 1299 metres NQ drilling in 9 holes

Geochemistry - 415 rock and core samples were collected and analysed for Cu, Pb, Zn, Ag and Au. Select samples were analysed for Cr, Ni and Pt

- 78 rock and core samples were collected and analysed for the lithogeochemical package, as well as for Cu, Pb, Zn, Ag, Au, As, Ba and Sb

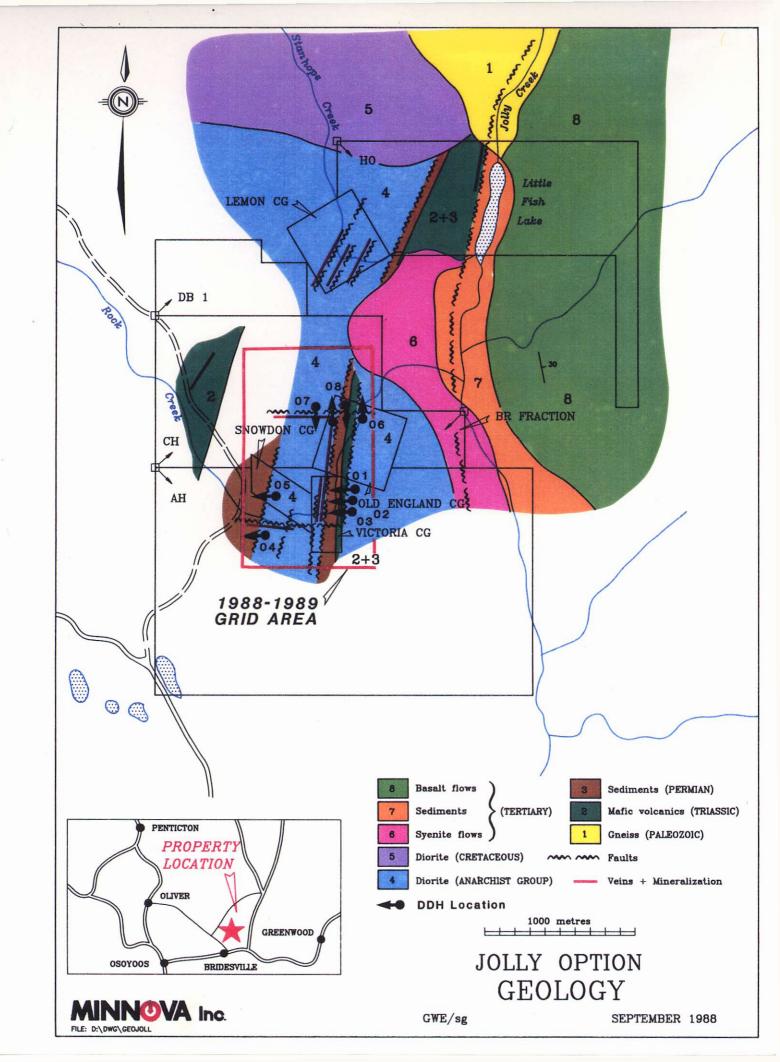
Results

Geological mapping confirmed and expanded on previous Highly anomalous gold values were obtained from narrow, discontinuous quartz veins within sediments, volcanics intrusives of the Anarchist Group. Previous exploration was directed at these veins, however because of the very narrow targets, further exploration is not justified. The current program was directed at testing major north-south and east-west trending structures, identified both by mapping and geophysics. structures were tested by drilling, ranging in width from 20 metres to over 100 metres. Very strong alteration (silicification, graphitic banding, sericite/talc alteration, serpentinization) was No significant gold values associated with these structures. occurred in any of the drill intersections of these structures.

Recommendations

Gold bearing quartz veins are known to occur on the property but do not warrant further exploration based on their narrow size and discontinuous nature. Larger structures on the property do not contain significant gold values and again, do not justify additional work. As a result, no further work is recommended on the Jolly property.

PROJECT NAME:	Jolly		PROJECT NO.	628	
GEOLOGY					
		Salaries	\$4,873		
		Travel Expenses	\$154		
		Contract Payments	\$0		
		Field Expenses	\$4,677		
		Analyses	\$2,022	\$11,726	8%
GEOPHYSICS					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$2,465		
		Field Expenses	\$3	\$2,468	2%
GEOCHEMISTRY					
		Salaries	\$1,229		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$149		
		Analyses	\$971	\$2,349	2%
DRILL ING					
		Salaries	\$11,028		
		Travel Expenses	\$0		
		Contract Payments	\$77,992		
		Field Expenses	\$2,173		
		Analyses	\$6,511	\$97,703	70%
	Line Cutting			\$3,500	3%
	Trenching			\$0	0%
	Hotels and Meals			\$3,065	2%
	Option Payments			\$15,000	11%
	Property Mainten	ance		\$4,000	3%
	Other			\$0	0%
				an harrigin i Analita	
		TOTAL DIRECT EXPE	NDITURES	\$139,811	



LAMB PROPERTY (PN 640)

G. Evans

Introduction

The Lamb property consists of 150 units, located 22 kilometres northwest of Kelowna. The claims are mainly underlain by Paleozoic Cache Creek Group metasediments and volcanics, intruded by Mesozoic and possible Tertiary intrusions, and in part overlain by Eocene volcanics. Kerr Addison Mines Ltd. staked the property in 1987 to cover a Hedley skarn type environment. Exploration in 1988 by Kerr Addison included geological mapping, geochemistry and geophysics. There was little encouragement from this program. Work by Minnova in 1989 was directed at examining areas of Tertiary intrusives and volcanics which were largely ignored in the previous program.

1989 Program

Geology

 about 3 km² property scale mapping at 1:10,000 scale was done to fill in areas not covered by previous mapping.

Geochemistry

- 12 Heavy Mineral samples collected and split into 3 size fractions which were analysed for Au, Ag, As, Cu, Mo, Pb, Sb, Zn and Hq.
- 14 rock samples were collected and analysed for the lithogeochemical package as well as for Cu, Pb, zn, Ag, Au, As, Ba and Sb.
- 11 rock samples were collected and analysed for Cu, Pb, Zn, Ag and Au.

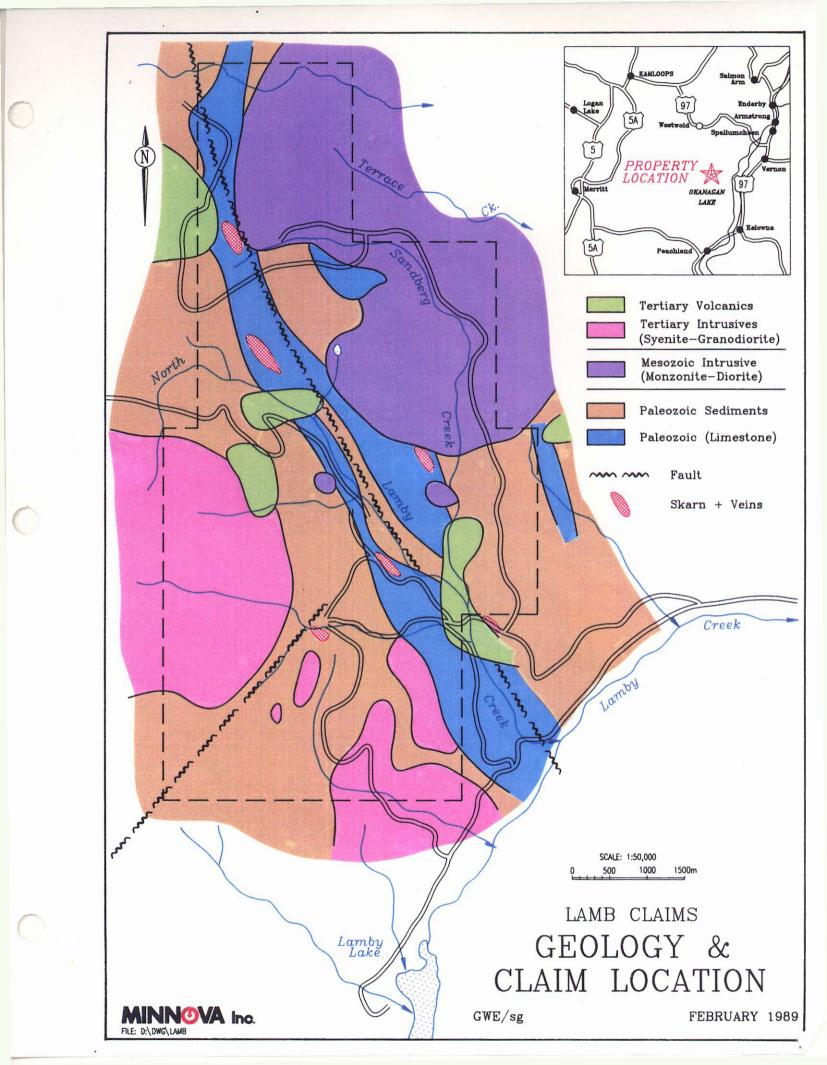
Results

Geological mapping confirmed the presence of late Cretaceous - early Tertiary granodiorite intrusives and Eocene Marron volcanics. Minimal alteration occurs on the property and weakly anomalous gold values are restricted to narrow, discontinuous quartz veins in the Cache Creek Group metasediments. Anomalous gold values occurred in heavy mineral samples collected form the southeast slopes of Whiterocks Mountain (a large late Cretaceous - early Tertiary granodiorite intrusion). Follow-up of these anomalies indicated a glacial origin to the anomalies.

Recommendations

The claims have been thoroughly examined by this and the 1988 work program by Kerr Addison, with very little encouragement. No further work is recommended on the Lamb property.

PROJECT NAME:	Lamb		PROJECT NO.	640	
GEOLOGY					
		Salaries	\$2,353		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$2,439		
		Analyses	\$0	\$4,792	56%
GEOPHYSICS					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0	\$0	0%
GEOCHEMISTRY					
		Salaries	\$524		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$2,551	\$3,074	36%
DRILLING					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$0	\$0 	0%
	Line Cutting			\$0	0%
	Trenching			\$0	0%
	Hotels and Meals			\$682	8%
	Option Payments			\$0	0%
	Property Maintena	ance		\$0	0%
	Other			\$0	0%
		TOTAL DIRECT EXPEN	IDITI IRES	\$8,548	
		TOTAL DIRECT EXPEN	DITORLO	Ψ0,040	



CLAPPER PROPERTY (PN 642)

G. Evans

Introduction

The 68 units of the Clapper property straddle the Coquinalla Highway 29 km north of Merritt. Interest in the property was generated by a north-south trending fault - the Clapperton Fault, which, tapped the same sources of mineralization as the Swakum Mtn. vein/skarn system a few kilometres to the west.

1989 Program

Geophysics - 228 km of airborne mag and 3-frequency resistivity survey

Geology - follow up of 1988 Kerr Addison mapping in light of geophysical results; detailed mapping (1:500 and 1:1000 scale) mapping of shears

Geochemistry - 26 rock samples
16 heavy mineral samples

Results

The airborne magnetic survey shows two distinct magnetic highs - one in the central and one in the southern portion of the property, separated by a NW trending magnetic low. Geological mapping shows that an intrusive dioritic phase of the Nicola Volcanics causes the central mag high and probably the northern one as well.

Detailed mapping (1:500 and 1:1000 scale) and sampling of the Diet and Cherry Zones, two exposed sections of the Clapperton Fault, showed generally poor gold values, Although one

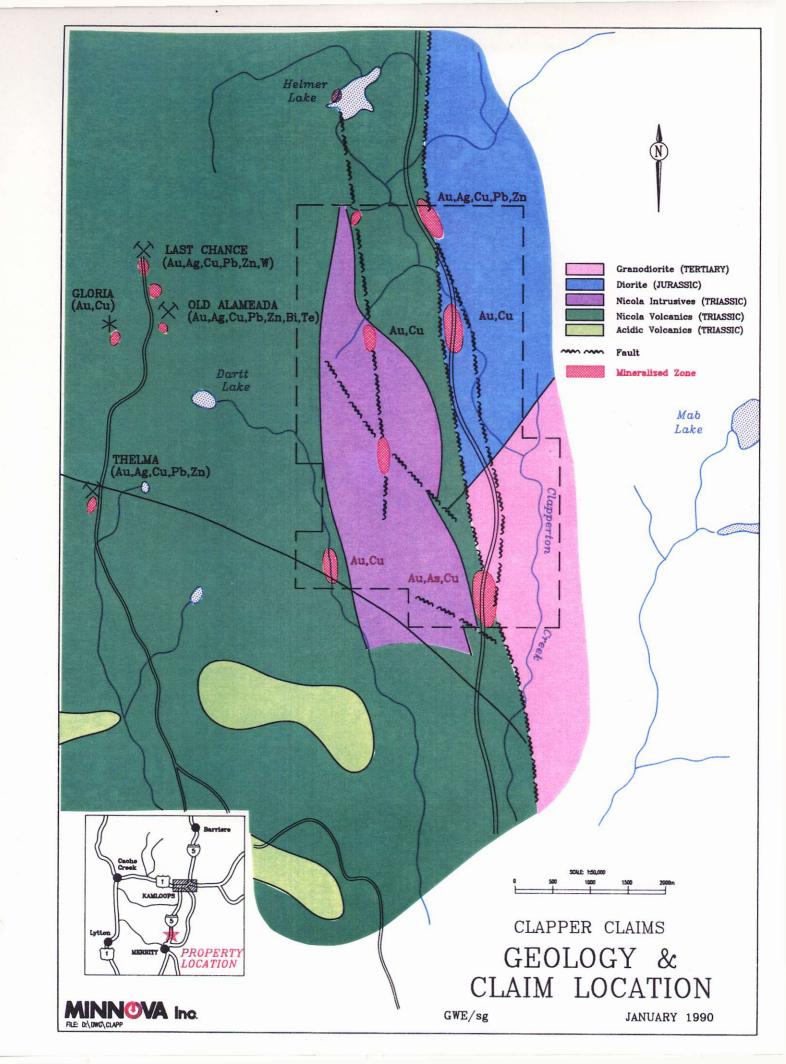
sample from the Diet Zone yielded 3400 ppb Au over 5 cm, another 2900 ppb Au and a third 280 ppb Au, other rock samples contained only 20 ppb Au or less.

Only one of the 16 heavy mineral samples taken from creeks on the property showed anomalous values. Unfortunately its drainage samples an area outside the property borders.

Recommendations

Gold occurrence on this property is low-grade, sporadic and on a centimetre-scale. However, the large magnetic features (Nicola intrusives) remain untested, therefore, in 1990, the property will be evaluated for Triassic alkaline Cu-Au mineralization.

PROJECT NAME:	Glapper		PROJECT NO.	642	
GEOLOGY					
		Salaries	\$3,108		
		Travel Expenses	\$116		
		Contract Payments	\$0		
		Field Expenses	\$1,849		
		Analyses	\$0	\$5,074	28%
GEOPHYSICS					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$10,882		
		Field Expenses	\$0	\$10,882	60%
GEOCHEMISTRY					
		Salaries	\$897		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$61		
		Analyses	\$1,078	\$2,035	11%
DRILLING					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$0	\$0	0%
	Line Cutting			\$0	0%
	Trenching			\$0	0%
	Hotels and Meals			\$271	1%
	Option Payments			\$0	0%
	Property Mainten	ance		\$0	0%
	Other			\$0	0%
			VDITUDES	<u> </u>	
		TOTAL DIRECT EXPE	NDITURES	\$18,262	



G. Evans

Introduction

The Wart Claims straddle the Okanagan Connector Highway 36 kilometres southeast of Merritt. Interest in the property increased in 1989 of gold in clay alteration zones with quartz veins on the Elk claims immediately to the south.

1989 Program

Traverses of the southern part of the property were made in an attempt to identify structures trending onto the property from the Elk claims; new outcrops exposed by highway construction were sampled.

Geology - 1988 Kerr Addison geological mapping was re-examined and found to be accurate

Geochemistry - 12 rock samples were taken and analyzed for the Minnova lithogeochemical package

- 7 heavy mineral samples were collected, split into 3 size fractions and analysed for Au, Ag, As, Cu, Mo, Pb, Sb, Zn, Hg

Results

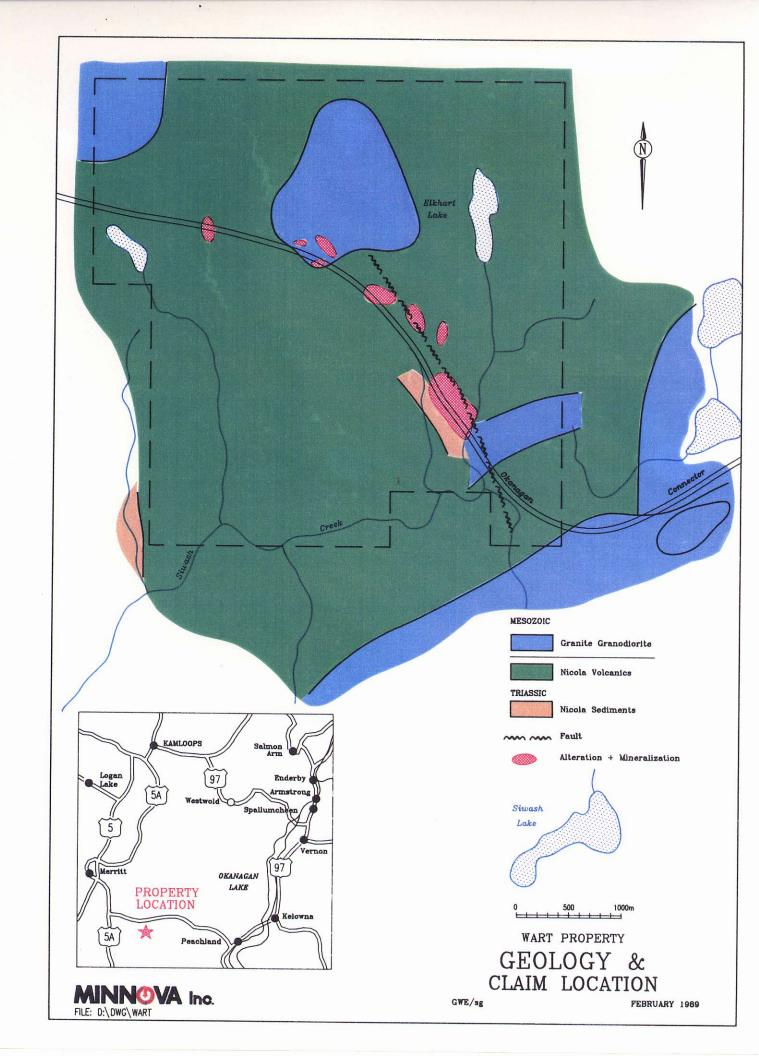
Outcrop in the southern portion of the property is scarce and mapping failed to identify any structures trending onto it from the Elk claims. Rock geochemistry yielded one sample with 400 ppb Au/30 cm on a newly exposed roadcut; other samples contained background values.

Heavy mineral sampling, however, did produce one anomalous drainage in the southwestern part of the property.

Recommendations

The lack of outcrop on the property precludes a geological approach to its initial exploration. It is thus proposed that the geological picture be examined by airborne geophysical methods and that the heavy mineral stream sediment anomaly be followed up by further sediment and soil sampling.

PROJECT NAME:	Wart		PROJECT NO.	643	
GEOLOGY					
		Salaries	\$4,337		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$1,735		
		Analyses	\$0	\$6,072	61%
GEOPHYSICS					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0	\$0	0%
GEOCHEMISTRY					
		Salaries	\$922		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$169		
		Analyses	\$1,767	\$2,857	29%
DRILLING					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$0	\$0	0%
	Line Cutting			\$0	0%
	Trenching			\$0	0%
	Hotels and Meals			\$968	10%
	Option Payments			\$0	0%
	Property Mainten	ance		\$0	0%
	Other			\$0	0%
		TOTAL DIRECT EXPE	NIDITUDES	\$9,897	
		TOTAL DIRECT EXPE	MULLOUES	Ψ5,037	



FERROUX PROPERTY (PN 655)

G. Evans

Introduction

The Ferroux property is located four km northwest of Carmi, B.C. The property consists of 75 units staked on anomalous heavy mineral samples underlain by Tertiary volcanics. Work in 1989 outlined a large area in the centre of the property where mineralized monzonite bodies intrude the Tertiary volcanics.

1989 Programme

Geology - 1:5000 scale mapping of the property

Geochemistry - 95 contour soil samples

26 lithogeochemical rock samples

162 geochemical rock samples

10 heavy mineral samples (3 fractions)

Trenching - 9 trenches for a total of 330 m excavated

Results

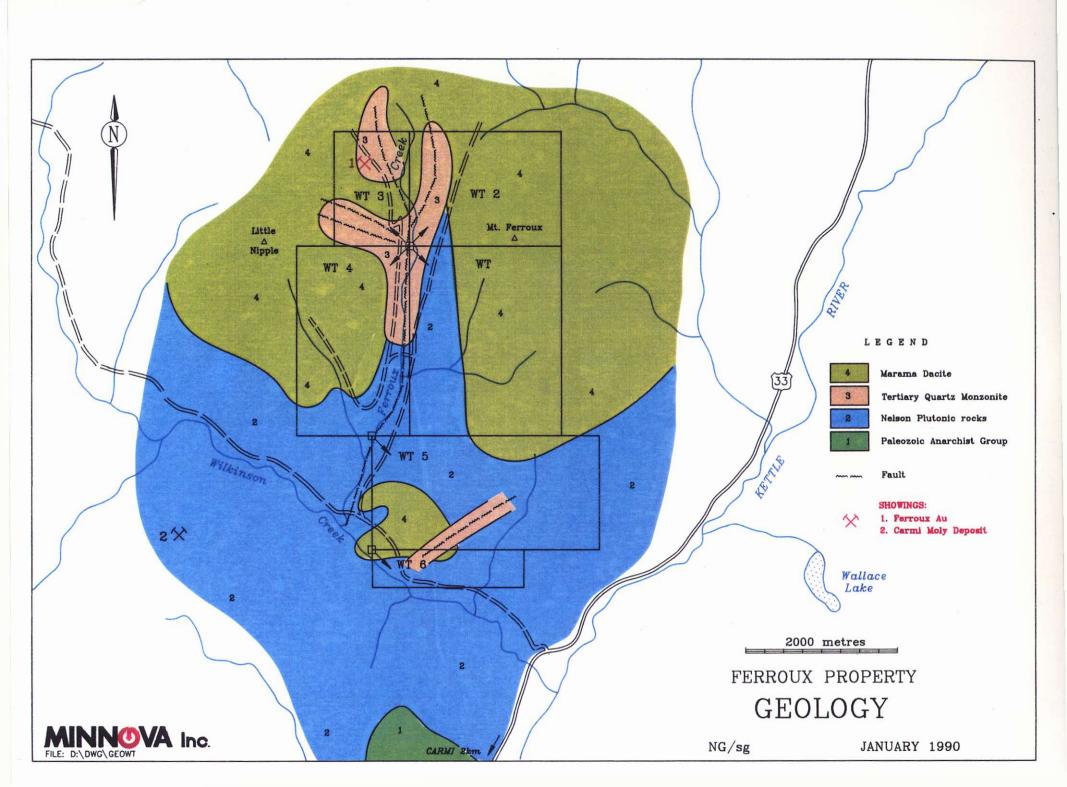
In 1989, the geological mapping and sampling highlighted a monzonite unit intruding the Eocene Marama dacites. The intrusive is consistently mineralized with 5-15% sulphides (po, py, cpy) and is regularly anomalous in Au, Cu, Zn (up to .72 g/t Au) over a wide area. Very limited outcrop has hampered the geological interpretation but this unusual Tertiary intrusive warrants follow up work. The strongest 1989 heavy mineral gold anomaly is downstream from the monzonite but the strongest 1987 heavy mineral anomaly on the east side of the property has not been explained

with follow up heavy mineral sampling or contour soil sampling. At this time there is not evidence of any epithermal systems and the mineralized monzonite is the most promising target.

Recommendations

- 1. File remaining 1989 work for assessment
- 2. After comparison with other precious metal bearing porphyries in 1990, additional work may be warranted including an I.P. survey and trenching.

PROJECT NAME:	Ferroux		PROJECT NO.	655	
GEOLOGY					
		Salaries	\$7,816		
		Travel Expenses	\$102		
		Contract Payments	\$0		
		Field Expenses	\$2,450		
		Analyses	\$0	\$10,368	38%
GEOPHYSICS					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
•		Field Expenses	\$0	\$0	0%
GEOCHEMISTRY					
		Salaries	\$4,137		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$135		
		Analyses	\$5,698	\$9,969	37%
DRILLING					
		Salaries	\$0		
•		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$0	\$0	0%
	Line Cutting			\$0	0%
	Trenching			\$3,925	14%
	Hotels and Meals			\$2,123	8%
	Option Payments			\$0	0%
	Property Mainten	ance		\$730	3%
	Other			\$0	0%
		TOTAL DIRECT EXPE	NULLURES	\$27,116	



RICHTER PROPERTY (PN 656)

G. Evans

Introduction

The Richter property consists of 212 units located between Oliver and Keremeos, B.C. The property covers an extensive area of Paleozoic volcanics and sediments intruded by Mesozoic plutons. In 1988 the property was staked to cover numerous multi-element heavy mineral anomalies. In 1989 the property was intensively examined with numerous alteration zones defined and potential drill targets identified.

1989 Programme

Linecutting

Trenching

Geology	-	geological mapping of property at 1:10000 scale			
		geological mapping of Testalinden and Ridge grids 26 km at 1:2500			
Geophysics	-	580 km of A.E.M. survey			
		8 km of EM-17 on Testalinden Grid			
Geochemistry	-	310 soil samples on contour lines			
		1721 soil samples over grids			
		143 lithogeochemical rock samples			
		448 geochemical rock samples (81 panel samples, 49 channel samples)			
		8 thin sections			
		1721 soil samples over grids 143 lithogeochemical rock samples 448 geochemical rock samples (81 panel samples, 49 channel samples)			

- 42.15 km of grid (3 grids)

trenches)

98 m of blasting on the albite zone (5

Results

The 1989 work revealed a complex geological package of rocks on the Richter property. The best understood style of mineralization to date is that in contact alteration zones peripheral to the Mesozoic intrusives. These strongly albitealtered zones (90%+) have extensive quartz stockworks with up to 15% sulphides (py, po, cpy) with gold values up to 6.8 g/t. Blasting of these oxidized zones indicates sulphides and gold values increase at depth. With widths up to 50 m and strike lengths in excess of 500 m these zones have good potential for large tonnage gold systems.

Numerous quartz veins over much of the property have impressive size potential and there is good potential for gold bearing Fairview type vein systems. Several soil anomalies are as yet unexplained and require more follow up work to find the bedrock sources. The three grid areas established in 1989 all have promising drill targets which can be tested in the near term.

Recommendations

- 1. Follow up recce soil anomalies
- 2. Map the Reed Lake Grid
- 3. Trench defined anomalous areas
- 4. Drill gold bearing albite zones and any new targets

PROJECT NAME:	Richter		PROJECT NO.	656	
GEOLOGY					
		Salaries	\$28,286		
		Travel Expenses	\$239		
		Contract Payments	\$0		
		Field Expenses	\$18,211		
		Analyses	\$5,061	\$51,797	27%
GEOPHYSICS					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$60,000		
		Field Expenses	\$0	\$60,000	31%
GEOCHEMISTRY					
		Salaries	\$15,336		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$554		
		Analyses	\$35,969	\$51,858	27%
DRILLING					
		Salaries	\$0		
		Travel Expenses	\$0		
		Contract Payments	\$0		
		Field Expenses	\$0		
		Analyses	\$0	\$0	0%
	Line Cutting			\$16,464	8%
	Trenching			\$2,961	2%
	Hotels and Meals			\$7,849	4%
	Option Payments			\$0	0%
	Property Maintenance			\$4,260	2%
	Other			\$0	0%
	TOTAL DIPEOT EVERIBITIES			6405 400	
	TOTAL DIRECT EXPENDITURES			\$195,189	

