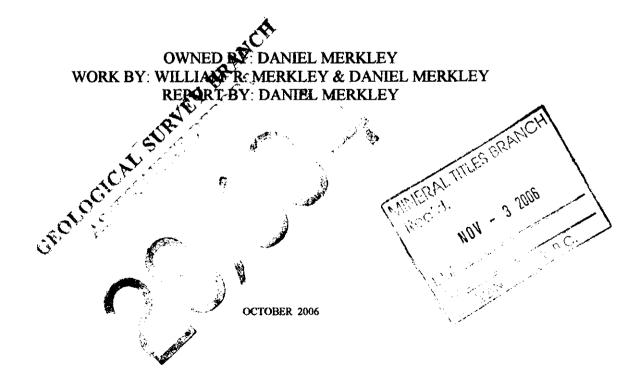
# ASSESSMENT REPORT FOR THE 2006 ROCK GEOCHEMISTRY & ROAD WORK ON THE LONE PINE MINERAL PROPERTY

OMINECA MINING DIVISION, BRITISH COLUMBIA 93L057 LATITUDE: 54.310369 LONGITUDE: -126.441288







## Ministry of Energy & Mines Energy & Minerals Division Geological Survey Branch

## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

7	TITLE OF REPORT [type of survey(	s)) GEOCHEMIC	AL/ROAD	AND TRAI	L WORK	**************************************	
AUTHOR(S)	DANIEL MERKLEY	•		s) Danie	Λ		
	PERMIT NUMBER(S)/DATE(S) DRK - CASH PAYMENT EVENT NUM			725 VENT NUMB		AR OF WORK	2006
PROPERTY NAME_	LONE PINE						
CLAIM NAME(S) (on	which work was done)	TENURE NU	MBER: 5	513961			
	JGHT Mo, Ag, Re,						
MINERAL INVENTO	RY MINFILE NUMBER(S), IF KNOW	N MINFIL	E 027,	MINFILE O	28, MIN	FILE 029	
MINING DIVISION	OMINECA	N	rs	093L05	7		
LATITUDE5	<u>4 ° 31 · 11 - </u>	LONGITUDE _	126 º	43	52	* (at centre of w	rork)
OWNER(S)							
1)	DANIEL MERKLEY	2	)	_			
	3313 HIGHWAY 16 EAST						
<del> </del>			-				
MAILING ADDRESS	HOUSTON, B. C.						
	VOJ 1Z2		•				
OPERATOR(S) (who	paid for the work]						
1)	SAME	2	)	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·
						<u> </u>	
MAILING ADDRESS					•		
PROPERTY GEO! O	GY KEYWORDS (lithology, age, stra	tionanhu etsucture :	alteration mi	inoralization eize	. and attitud	<u>,</u>	
	, chalcopyrite, atungs	• • • •	-	•		•	estions in
	<u> </u>						
	rusives (Alaskite, Mo			•		_	
extensive a	ureole of chlorite ar	d biotite h	orniels	s. Late, s	teeply-	-dipping s	ilver-rich
polymetalli	c veins occur in alte	red volcani	cs and	sediments	of Jui	rassic age	· .
REFERENCES TO P	PREVIOUS ASSESSMENT WORK A	ND ASSESSMENT (	REPORT NU	JMBERS AR	#00509	, 00510, 0	0757,
002285, 025	17, 06152, 07117, 091	35, 12180,	17341,	21635, 22	862, 27	7151.	

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground	į		
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for) Soil			
Silt			
Rock 3 SAMPLES (MULTIE		TENURE #513961	\$131.40
Other			
DRILLING (total metres; number of holes, size)  Core			
Non-core			
Sampling/assaying			
Petrographic	i		
Mineralographic	i		
Metallurgic	ļ		
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scate, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail	4.4 km	TENURE #513961	\$2,205.00
Trench (metres)			
Underground dev. (metres)			
Other RI	EPORT PREPARATION		\$175.00
		TOTAL COST	\$2,511.40

\_\_\_\_\_

DANIEL MORICE

Total Value of Work: \$ 2511.40

Mine Permit No: 0200194

Effective: 2006/AUG/22

MERKLEY (118202)



Review Form

Data

#### .C. HOME

#### **Mineral Titles**

## Mineral Titles Online

**Mineral Claim Exploration** and Development Work/Expiry Date Change

6 SAC

E Select Input Method

☑ Input Lots Data Input Form

🖫 Review Form Data

Process Payment 🗒 Print Confirmation

Select/Input Tenuras

Work Start Date: 2006/AUG/01 Work Stop Date: 2006/AUG/22

Physical Items: Labour

→ Main Menu

→ Search Tenures

→ View Mineral Tenures

→ View Placer Tenures

♣ MTO Help Tips

Mineral Claim Exploration and Development Work/Expiry Date

Change

DANIEL MORICE Recorder:

MERKLEY (118202)

Recorded: 2006/AUG/22

D/E Date: 2006/AUG/22

Work Type: Technical and Physical Work

Technical Items: Geochemical, Road and trail work

Summary of the work value:

Tenure #	Claim Name/Property	Issue Date	Good To Date	Good To	# of Days For- ward	Area in Ha	Work Value Due	Sub- mission Fee
513961		2005/JUN/05	2006/AUG/24	2007/AUG/24	265	619.52	5 2478.48	\$ 247.85

Exit this e-service

Total required work value: \$

2478.48

PAC name: Debited PAC amount: DANIEL MERKLEY 0.00

Credited PAC amount:

32.90

**Total Submission Fees:** 

247.35

Total to Pay:

247.85

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STATEMENT OF EXPENDITURES\_\_\_\_\_\_AUTHOR'S QUALIFICATIONS\_\_\_\_\_

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### LOCATION AND ACCESS:

The Lone Pine mineral property is located in Northwestern British Columbia, 14 km northwest of Houston, approximately 200 miles west of Prince George on Highway 16 (see Provincial Map, page 2). The mineral tenure #513961 is located at the center of the Lone Pine mineral property, which consists of several dozen contiguous cells (see tenure map, page 3).

Access to the property is provided by an old exploration road, which leaves highway 16 near the crest of Hungry Hill and travels northwest around the west end of Fishpan Lake for approximately 2 km onto the property (see Tenure Map, page 3). At this point the old exploration road splits into 3 roads, which travel northwest, north and northeast to the Quartz Breccia Zone, Granby Zone and Porphyritic Granite Zone. The roads will accommodate 2-wheel drive vehicles, but where the main access road passes onto the property, an old exploration bridge has rotted, preventing passage of heavy vehicles.

#### HISTORY:

Documented work on the mineralization covered by the Lone Pine property tenure dates back to at least 1914 when Charles Barrett (owner of a nearby ranch) and Joseph Bussinger (a resident of Smithers, B. C.) began sinking a 68-foot deep shaft on a 3 ½ foot polymetallic vein rich in silver. The discovery seems to have attracted other prospectors to the immediate area and in 1915 Michael McCormick excavated a short adit on weak mineralization to the northwest of the original deep shaft.

In 1926 E. and B. Hoops, F. Mapleton and Joseph Bussinger carried out exploration at several locales. This work included excavation of an 18-foot shaft on silver-rich mineralization at the extreme northeast region of the Lone Pine property.

It appears there was a lengthy hiatus in mineral exploration until the late 50's and early 60's when Pete Huber and William Harold Merkley explored the mineralization. William Merkley's exploration culminated in caterpillar work with a D-4 (Lorne Byman, catskinner), which consisted of stripping and trenching around the old 45-foot shaft originally excavated by Jack Price (et al); Jack Price was a ranch hand of Charlie Barrett, who owned the ranch about 500 meters south of the original silver mineralization where the 68-foot shaft was excavated back in 1914. This particular old shaft investigated by William Merkley bore high-grade copper-silver mineralization. Apparently a shipment of 20 tons was made from the prospect in those early years.

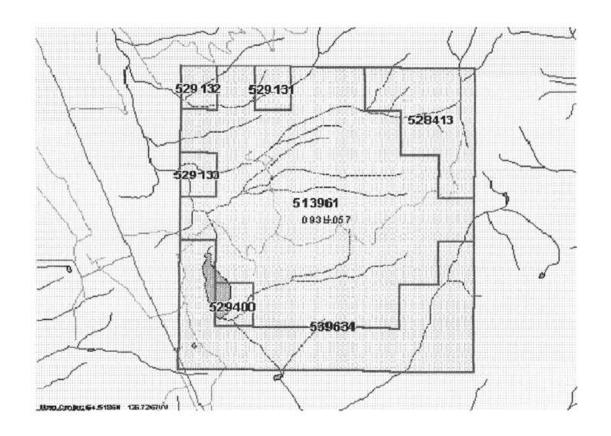
In the early 60's Southwest Potash, Canex Aerial Exploration and Molymine Exploration performed work on the property under option from prospectors. The work consisted of Magnetometer, Geochemical, Induced Polarization surveys and some Diamond drilling.

## LONE PINE PROPERTY PROVINCIAL LOCATION MAP



Map Canter: \$4.4781% 124.70820

## LONE PINE PROPERTY TENURE MAP



093L057

In 1969 Manex Mines undertook Geochemical, Induced Polarization and Resistivity surveys.

Exploration was discontinued in the area until 1977 and 1978 when Granby completed several hundred meters of Percussion and Diamond drilling. This work was followed by Ground EM, Geological, Geochemical and Geophysical surveys by Noranda Mining and Exploration Ltd. from 1981 to 1983.

In 1985 Lacana Mining Corporation did Data Compilation and Assaying.

The final work by mining companies was performed by Southern Cross Gold Incorporated in 1988. It consisted of Diamond Drilling on silver-rich areas.

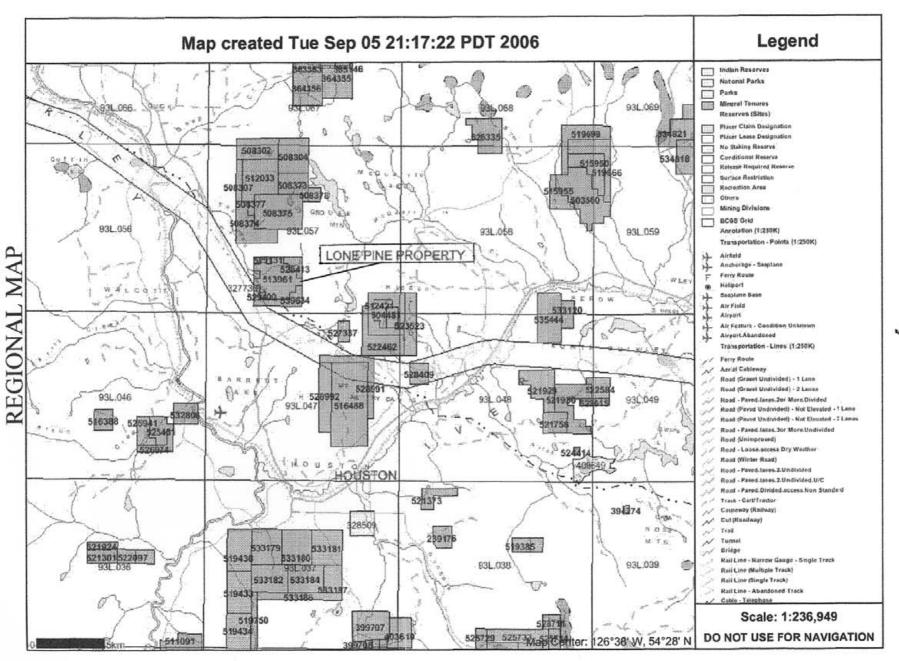
Exploration in the area was undertaken by prospectors after the work by Southern Cross Gold Incorporated in 1988. Lorne B. Warren completed Geochemical surveys in 1991 and 1992. This was followed with exploration by the present owners several years later—in 2001—when Daniel Merkley and William Merkley undertook Geochemical surveys, Prospecting and Road and Trail Work on the Lone Pine area.

#### STATUS:

Mineral Tenure #513961 is owned by Daniel Morice Merkley of Houston, British Columbia. The assessment work documented in this assessment report was performed by Daniel Morice Merkley and William Ray Merkley, Sr., both of Houston, British Columbia.

With acceptance of this assessment report, tenure number 513961 will remain in good standing until August 24<sup>th</sup>, 2007.





## PART I

## **ROCK GEOCHEMISTRY**

#### PROCEDURE:

Three rock samples designated LPRX-1-06, LPRX-2-06 and LPRX-3-06 were taken from rock exposure at the southeast side of the most easterly of old exploration roads on the Lone Pine property (see Map page 7). The road travels northeast and ascends a steep grade at this location. The rock exposure sampled is approximately 1.5 meters high and samples were taken at intervals of about 8 meters, from north to southwest.

Sample LPRX-1-06 was a tan-coloured rhyolite, which exhibited silicification, so that only a small portion of the original nature of the rock remained; the majority of the sample was silicified, white rhyolite. The sample contained visible galena, sphalerite and possibly tetrahedrite, but the sulphide content appeared to be less than 1%.

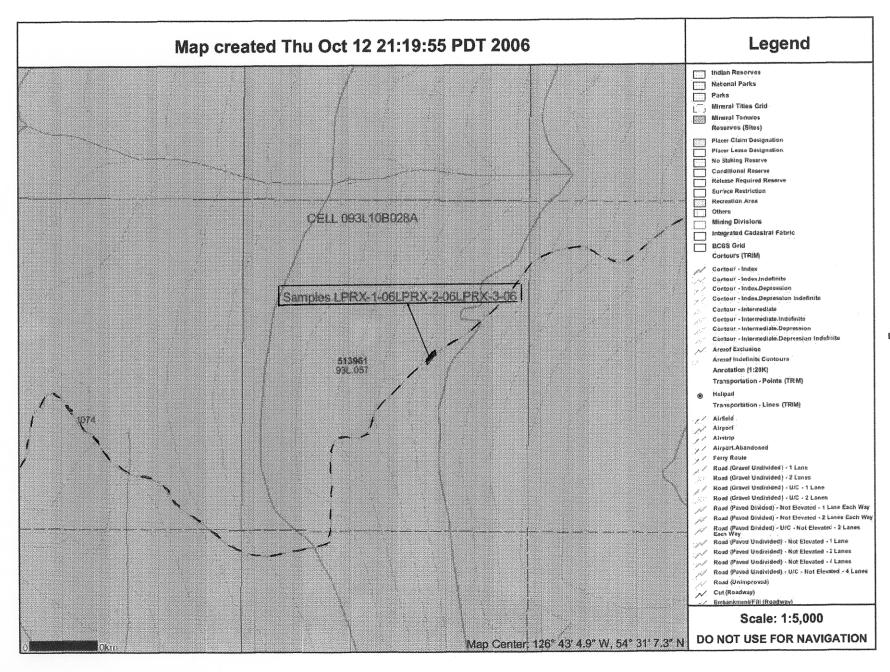
Sample LPRX-2-06 appeared to be a hornfelsed sediment. It exhibited a scaley felted appearance and biotite had given the rock a brownish mauve colour. There were no visible sulphides except for a few percent pyrite. The sample was analyzed for possible gold content.

Sample LPRX-3-06 was a rock similar in appearance to LPRX-2-06 above, but it contained visible chalcopyrite. The chalcopyrite content appeared to be much less than 0.5%.

The samples were gathered from this location because previous work showed VLF-EM and soil anomalies for Ag, Cu, Zn, Pb extend through the old exploration road in a north-south direction at this location. Further evidence for mineralization occurs a short distance northeast of the sample site in the form of a caved adit. Galena, sphalerite, chalcopyrite and tetrahedrite are evident in dump material and on the walls. There is also mention in old reports of silver-rich samples taken from a system of quartz veins 150 and 300 meters south of the caved adit. The old literature does not mention mineralization at the side of the old exploration road, but its vicinity to the sited particulars at this locale suggested any evidence of mineralization should be analyzed.

#### CONCLUSION:

The analysis of the rock samples showed the mineralization worthy of further exploration and supports previous exploration results. The samples were all anomalous for copper, especially samples LPRX-2-06 and also LPRX-3-06 at 499.96 and 678.17, respectively. Lead and Zinc content were highly anomalous for samples LPRX-1-06 and LPRX-3-06 at 7049.97 and 774.16 ppm for lead and 8754.6 and 455.8 ppm for zinc, respectively. Silver content in samples LPRX-1-06 and LPRX-3-06 were highly anomalous at 29,419 and 47,154 ppb, respectively. Arsenic content—a good pathfinder element for this type of mineralization—was anomalous for samples LPRX-1-06 and LPRX-3-06 at 55.6 ppm and 242.1 ppm. Antimony was also anomalous in these 2 samples—an indication of tetrahedrite content—at 119.05 and 508.38 ppm.



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ACME ANALYTICAL LABORATORIES LTD. (ISO 9001 Accredited Co.)

#### 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

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

#### GEOCHEMICAL ANALYSIS CERTIFICATE

44

Merkley, Dan PROJECT Lone Pine File # A605333

Box 453, Houston BC VOJ 1Z0 Submitted by: Dan Merkley

Ga Sample

SAMPLE#	Мо	Cu	Pb	Zn ppm	Ag	Ni	Со	Mn	Fe	As	U	Au	Th	Sr		Cd	\$b	Bi	٧	Ca	P	La	Cr nom	Mg 1	Ba	Ti	B	A1	Na 1	K	W DDM	Sc ppm	T1 ppm	S +	dg S	e Te m ppm	Ga S ppm	ample mp	
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LPKX-Z-UD	4.03	499 30	100.30	455.8						247.1	-	72.3	,	4.0		02 509	20 1	6 34	3	16	007	3.4	7.5	04	16 4	.001	2	.08	003	.05	8.6	1.4	.10 4.	52 1	38 1.	3 2.42	.2	15	
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CPRX-3-U6 STANDARD DS7	20 43	111 70	69.53	410.8	891	54.2	9.5	622	2.38	46.9	4.9	88.6	4.5	68.9	6.	49 5	.93	4.57	84	.93	.078	12.6	159.4	1.04	369.5	.122	39	.96	U/3	.44	3.1	2.3	4.10	30 Z1	UU 3.	3 1.04	4.0	- 13	

GROUP 1F15 - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP/ES & MS. (>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY. - SAMPLE TYPE: ROCK R150

09-20-06 P06:17 OUT

DATE RECEIVED: AUG 24 2006 DATE REPORT MAILED:....



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## PART II

# ROAD WORK

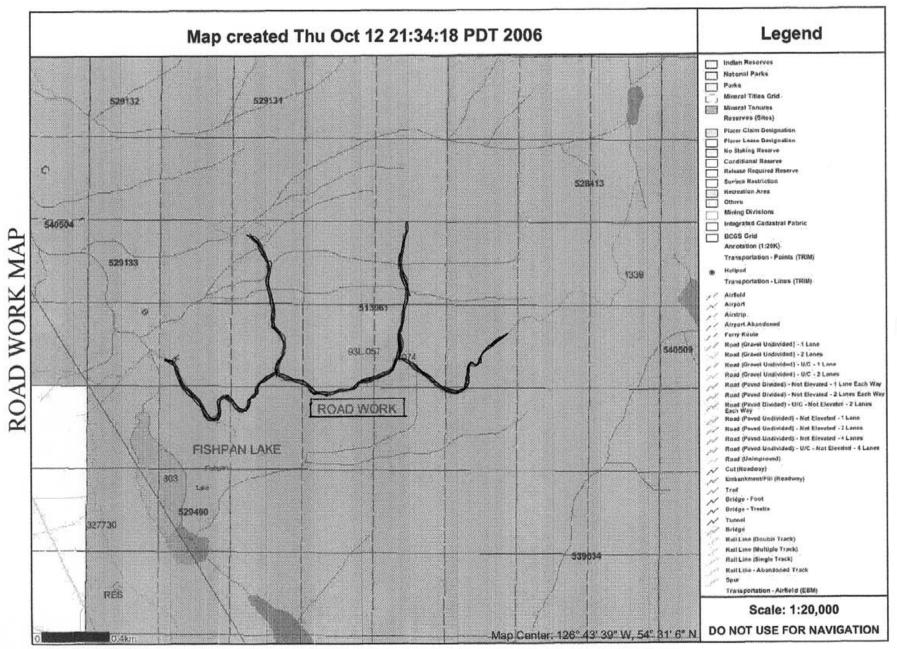
## **ROAD WORK PROCEDURE:**

Daniel Morice Merkley and William R. Merkley spent 30 hours clearing brush, windfalls and boulders from four old exploration roads on the Lone Pine mineral property. The roads provide access to the Alaskite Zone, the Quartz Breccia Zone, the Granby Zone and the most easterly exploration road, which traverses mineralization at the east region of the tenure number 513961 (see Part I, ROCK GEOCHEMISTRY).

The road work begun during 2005 field season on the Granby Zone road was completed during the 2006 field season, so that access is now clear to old drill sites. Some road work involved widening of 4-wheel ATV routes completed during the 2005 field season, so that the roads will now accommodate standard vehicles when required during future exploration on the property.

Work was undertaken on August 18th, 19th, 21st and 22nd of 2006.

The map of the mineral claim tenure on the following page (Page 10, ROAD WORK MAP) shows the 4 exploration roads and the approximate extent of work completed.



## STATEMENT OF EXPENDITURES

Т	\$2,511.40			
(9) REPORT PREPARATION	<u></u>	\$175.00		
(8) MONEY ORDER		\$3.95		
(7) SHIPPING		\$17.00		
(6) ROCK SAMPLE ANALYSIS		\$110.45		
(5) PROVISIONS	\$25.00 X 3 days	\$75.00		
(4) 2-WHEEL DRIVE PICKUP TRUCK	\$35.00 X 3 days	\$105.00		
(3) ATV (4X6-wheel Polaris)	\$150.00 X 3 days	\$450.00		
(2) POWER SAW	\$25.00 X 3 days	\$75.00		
(1) LABOUR	2 men X 30 hrs. X \$25.00	\$1,500.00		

## **AUTHOR'S QUALIFICATIONS**

- I, DANIEL MERKLEY, DO HEREBY CERTIFY THAT:
- (1) I AM A PROSPECTOR AND RESIDE AT 3313 HIGHWAY 16 EAST, HOUSTON, B. C.
- (2) I HAVE MORE THAN 40 YEARS OF PROSPECTING EXPERIENCE.
- (3) I PREPARED THIS REPORT.

RESPECTFULLY SUBMITTED

DANIEL MERKLEY PROSPECTOR

Daniel Mersley