

**2.53531**

January 28, 2013

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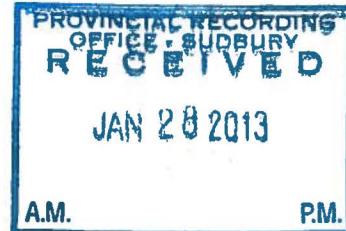
**Subject:**

**Work Submission For Assessment Work Performed**

**Signed form and Report Submission**

**For Claim: 4217609**

**Work Submission Due: January 28, 2013**



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### **Summary**

The geological aspect of the assessment work consisted of two phases:

**Phase 1:** The review of the trenching, trench sampling, induced polarization, resistivity and vertical field magnetic surveys and geochemical soil survey for copper and molybdenum over the area 0.3 km to 0.5km immediately north of the claim 4217609 prepared by Thomas Skimming and Associates Ltd. for Midas Resources Ltd. during September 1976.

**Phase 2:** A reconnaissance survey of the claim was planned to test the continuation of the geochemical anomalies reported by Skimming on the claims north of Claim 4217609. Twelve samples were collected and submitted for assay.

### **Location and Access**

The property is accessible from the town of Matachewan with year round roads, by going west on Highway 566 about 10 km and then 0.5km northeast of Log Lake.

### **Claim Status**

Pacific Comox has until January 28, 2013 to file an Assessment Work Report for the claim.

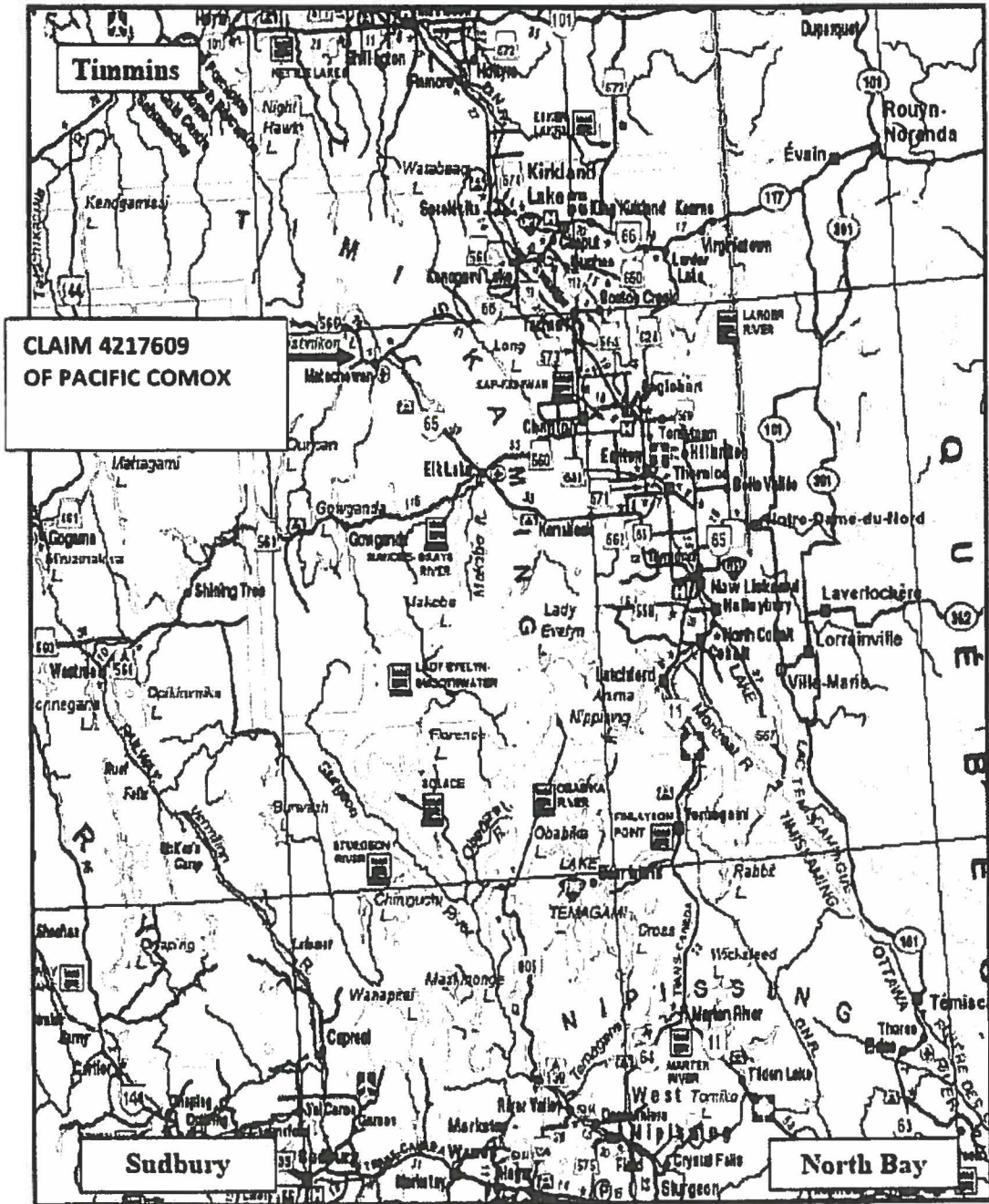
### **Regional Map**

The regional location of the Pacific Comox claims are given on Figure 1.

The local map of the claim is given in Figure 2.

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**Figure 1: Claim Location Map**





## **Geological Review**

### **Regional Geology**

The Shields Lake – Log Lake area has a complex structural and intrusive history. The area is bounded by the Montreal River-Narrow Lake and Mistinikon Lake faults to the east and west respectively and may be related to the western extension of the Kirkland Lake-Larder Lake Break. In Powell Township, tight folding appears to have repeated a succession of volcanic and Timiskaming type sedimentary rocks along an east-west axis. This steeply dipping sequence is intruded by a large number of dikes, sills and stocks of felsic to intermediate composition. A swarm of later "Matachewan" diabase dikes follow north trending fracture zones .

### **Local Geology**

The Midas Shields Lake claims area is reported to have occurrences of acid intrusive red syenite porphyry similar to the porphyry seen in the Young-Davidson and the former copper-molybdenum producer at Ryan Lake to the south(1). The area is bounded on the north and west by Timiskaming type sediments and on the south by Keewatin volcanic. All the rocks types are dissected by Matachewan diabase dikes.

### **Regional Topography**

The area consists of outcropping hills alternating with relatively flat lying sections often associated with swampy depressions. The lakes are usually associated with swampy areas.

## **Work Investigation Program**

### **Introduction: Midas Resources & Pacific Comox Work In Area**

The Midas Resources work on the south side of Shields Lake produced copper and molybdenum anomalies which had an east-west trend. This work by Pacific Comox was planned to test for similar structures on Claim 4217609 south of Shields Lake. The visual results were disappointing but the assays have not been received at the time of writing. Further tests are warranted on the northwest side of the claim.

### **Topographical Factors**

The elevation difference of the samples taken by Pacific Comox in the program was not significant over the sampled area but the area covered by swamps increased to the south on the claim.

### **North-South Diabase Dykes**

Three or four diabase dykes were evident in the sampling. Particularly on the south end of the forest access road based on the results of the Comox pits.

### **2012 Work Program**

This program tested for similar structures to the results of Midas on the south of Shields Lake by excavating pits to test for mineralization exposed on the bedrock. No drilling was done in this program.

### **Sampling Program**

The location of the sampling pits dug by Pacific Comox are given in Figure 3 and Figure 4. The description of the pit depth, soil conditions, topography, and the bedrock sampled is given in Table 1 following. The UTM coordinates of the samples taken are given in Table 2.

The program was started on August 15, 2012 with an overall assessment of the program. The 12 samples, were collected during August 17 to 26.

No outcrops were located. The overburden thickness was variable from one meter to several meters with several pits being aborted.

Samples were taken on an northwest-southeast trending forest trail over about 1,000 meters.

### **Results**

Overall, Pacific Comox did not detect visible copper-molybdenum or gold mineralization in any of the samples. Syenite porphyry with a fine web of quartz veining was located in the sample pits at locations 1, 2, 3, 6, 7 and 11. Due to hand digging the pits to expose the bedrock, small areas were exposed and while the bedrock found is prospective, a larger area needs to be exposed using mechanical excavators to determine the size of the syenite porphyry intrusion and test a larger percentage of the area of the syenite porphyry for visible mineralization.

### **Conclusion**

Sample areas in the northwest quadrant of the claim warrant more work with mechanical excavators to expose larger areas.

**Table 1: Summary Data On Sampling Pits Dug By Pacific Comox**

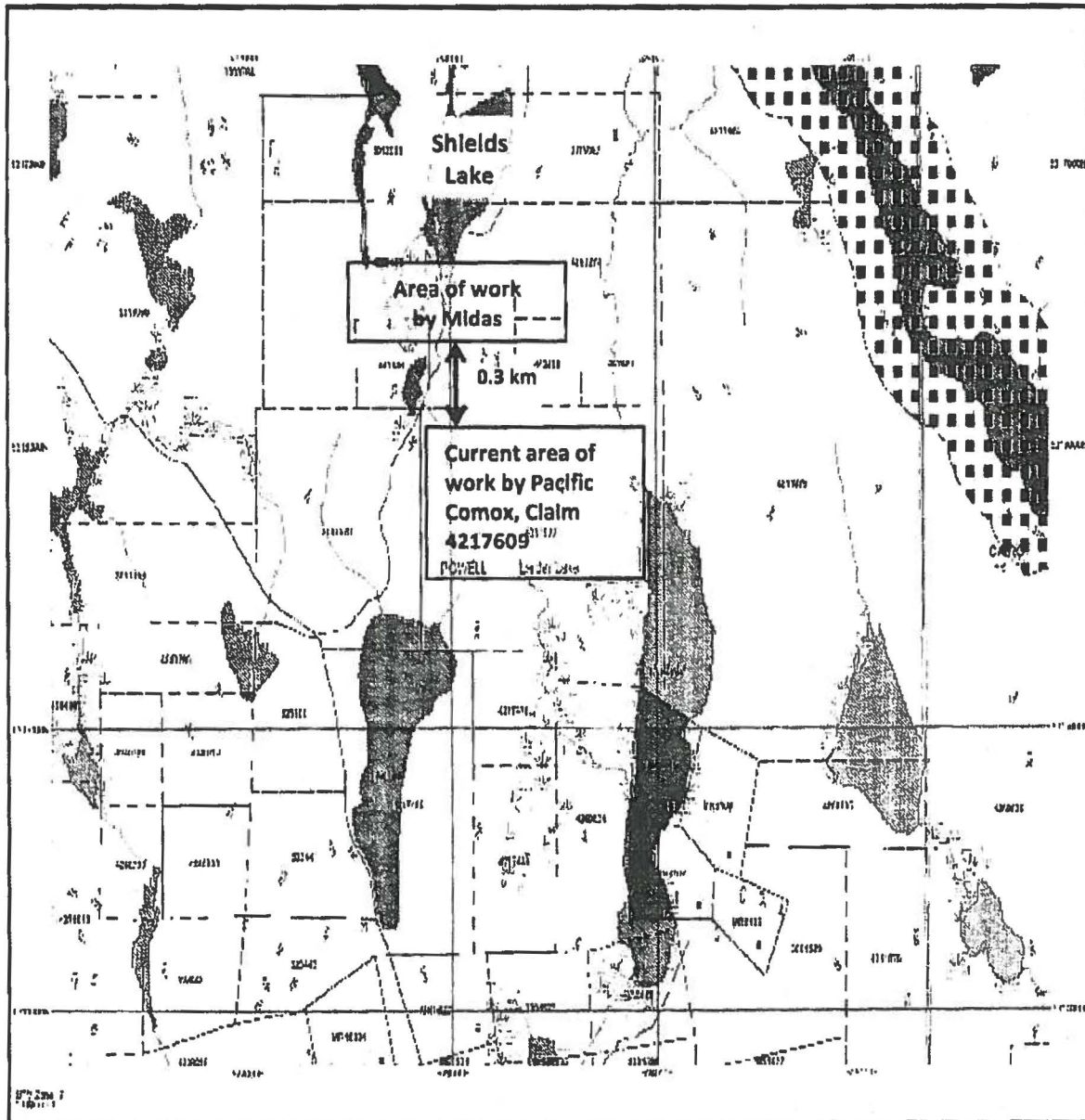
Sample Number	Topographical Condition	Excavation Depth	Soil Development	Bedrock Characteristics	Date of Work
609-1	Flat lying gravel area, no outcrops	1.5 meters -no water seep into excavation	Almost no soil development, gravel, stunted brush cover, root systems	Syenite, minor quartz veins, Samples did not show mineralization, samples taken from 0.8m x 0.8m bedrock	17/08/2012 Brush cleared, 5 hours to dig a pit with shovel and pick
609-2	Flat lying gravel area, no outcrops	1.5 Metes -no water seep into excavation	Almost no soil development, detritus, gravel, stunted brush cover, root systems	Syenite, minor quartz veins, Samples did not show mineralization, samples taken from 0.6m x 0.6m bedrock	17/08/2012 Brush cleared, 5 hours to dig pit with shovel and pick
609-3	Flat lying gravel area, no outcrops	1.5 Meters -no water seep into excavation	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Minor quartz veins, syenite samples taken from 0.8m x 0.8m washed area	18 /08/2012 Brush cleared, 8 hours to dig pit with shovel and pick
609-4	Flat lying gravel area, no outcrops	1.0 Meters, no water seep	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Diabase, samples taken from 0.8m x 0.8m washed area	19 /08/2012 Brush cleared, 6 hours to dig pit with shovel and pick
609-5	Flat lying gravel area, no outcrops,	1.05 Meters -no water seep into excavation	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Diabase, samples taken from 0.8m x 0.8m washed area	20/2012 Brush cleared, 6 hours to dig pit with shovel and pick
609-6	Flat lying gravel area, no outcrops	1.7 Meters -no water seep into excavation	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Minor quartz veins, syenite samples taken from 0.7m x 0.7m washed area	21 /08/2012 Brush cleared, 8 hours to dig pit with shovel and pick



609-7	Flat lying gravel area, no outcrops	1.7 Meters -no water seep into excavation	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Minor quartz veins, syenite samples taken from 0.6m x 0.6m washed area	22 /08/2012 Brush cleared, 9 hours to dig pit with shovel and pick
609-8	Flat lying gravel area, no outcrops,	1.5 Meters -no water seep into excavation	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Diabase, samples taken from 0.8m x 0.8m washed area	23/2012 Brush cleared, 6 hours to dig pit with shovel and pick
609-9	Flat lying gravel area, no outcrops,	1.3 Meters -no water seep into excavation	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Diabase, samples taken from 0.7m x 0.7m washed area	24/2012 Brush cleared, 6 hours to dig pit with shovel and pick
609-10	Flat lying gravel area, no outcrops,	1.4 Meters -no water seep into excavation	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Diabase, samples taken from 0.8m x 0.8m washed area	24/2012 Brush cleared, 7 hours to dig pit with shovel and pick
609-11	Flat lying gravel area, no outcrops	1.6 Meters -no water seep into excavation	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Minor quartz veins, syenite samples taken from 0.6m x 0.6m washed area	25 /08/2012 Brush cleared, 8 hours to dig pit with shovel and pick
609-12	Flat lying gravel area, no outcrops,	1.4 Meters -no water seep into excavation	Almost no soil development, gravel and some clay, stunted brush cover, root systems	Diabase, samples taken from 0.8m x 0.8m washed area	26/2012 Brush cleared, 7 hours to dig pit with shovel and pick

<b>PACIFIC COMOX RESOURCES LTD</b>							
<b>Table 2: Samples Taken For Assay</b>							
Sample	UTM Coordinates		Copper	Molybdenum	Gold	Silver	
Number	Eastng	Northing	(%)	(%)	(g/t)	(g/t)	Comment
609-1	522956	5316221					Quartz veins/syenite
609-2	523022	5316000					Quartz veins/syenite
609-3	523089	5315930					Quartz veins/syenite
609-4	523178	5315872					Diabase, no interest
609-5	523333	5315826					Diabase, no interest
909-6	523522	5315826					Minor quartz veins
609-7	523533	5315686					Minor quartz veins
609-8	523556	5315581					Diabase, no interest
609-9	523600	5315476					Diabase, no interest
609-10	523611	5315337					Diabase, no interest
609-11	523711	5315244					Minor quartz veins
609-12	523756	5315209					Diabase, no interest

**Figure 3: Location of Claim 4217609 In Relation To Work Done By Midas Resources At South End Of Shields Lake**



Prepared by Pacific Comox Resources Ltd. January 28, 2013, Scale is as given.  
Source of map is MNDM website



**Recommendations**

This program tested 12 sample points on a diagonal trend from the northwest to the southeast side of the claim.

The assay results from the samples taken are not available at the date of this report.

Visually, several sample areas reported numerous quartz veins and subject to the assay results are expected to warrant further testing for base metal and gold mineralization with an excavator to expose larger areas.



*B. P. Singh*

Bhagwat Singh P. Eng.

### PREVIOUS WORK

Pacific Comox has not completed exploration work on claim 4211955 other than reported in this filed Assessment Work submission.

### REFERENCES

1. Jagodits, F. L. (1974) Report On Ground Geophysical Surveys On A Property In Powell Township, Larder Lake Mining Division, Ontario for Gold Acres Mines Limited, by Barringer Research Limited.
2. Lovell, H. L. (1967) Geology Of The Matachewan Area, Geological Report 51, Ontario Department of Mines.
3. Mowat, J. R. (1965) Report On Results Of Geochemical Soil Survey For Copper And Molybdenum, On Pax International Mines Ltd., North Claims Group In Powell Township, Larder Lake Mining Division, For Pax International Mines Ltd..
4. Mowat, J. R. (1965) Geological Report On Pax International Mines Ltd., North Claims Group, In Powell Township, Larder Lake Mining Division, For Pax International Mines Ltd..