

Assessment Report on Geophysical (Gravity Survey)  
And Drilling

Clair West Claims  
St. Mary River Area

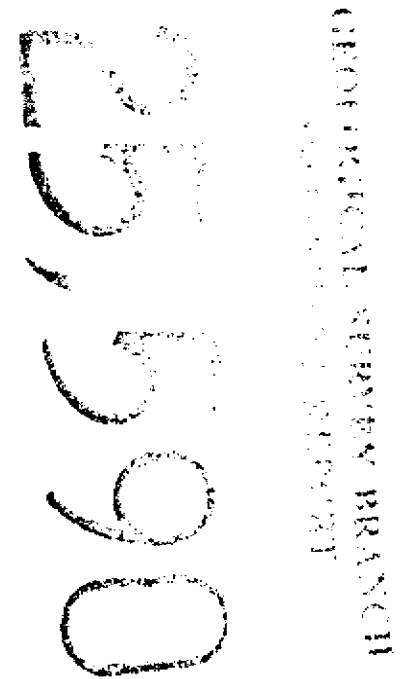
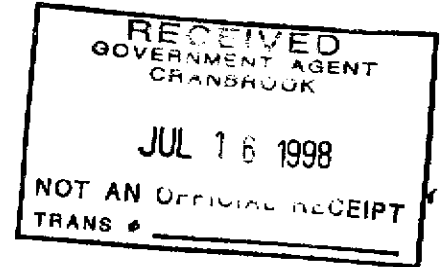
Fort Steele Mining Division  
British Columbia

NTS Map 82 F/9  
Latitude 49°37'  
Longitude 116°19'

Owner:  
Abitibi Mining Corp  
1000-675 W. Hastings Street  
Vancouver, B.C., V6B 1N2

Operator:  
Abitibi Mining Corp  
Cranbrook Field Office  
3380 Wilks Road  
P.O. Box 215, Main Station  
Cranbrook, B.C., V1C 4H7

July 14, 1998



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## 1.00 INTRODUCTION

### 1.10 Location and Access

The Clair West claims are located approximately 25 km west of Kimberley, B.C. (figure 1) and can be accessed from Highway 93 westward up the St. Mary Lake road to St. Mary Lake. Abitibi Mining provided a temporary bridge across Meachen Creek for access to the drill sites on the south side of the St. Mary River. Limited access is available along the unimproved and dirt roads on the north side of the St. Mary River valley.

### 1.20 History

No historical mining has taken place in the area. In the past, Cominco has conducted geological mapping, geochemical sampling and geophysical surveys in the area. Some of their results have been reported in Assessment Reports 7902, 11,686, 10,389, 11,209, 12,126, 7676, 10,311 and 7681.

### 1.30 Physiography

The property is situated west of the Rocky Mountain Trench within the Purcell Mountains. Topography is moderate to steep with glacially rounded ridges. Within the property elevations range from 1000 to 2000 metres.

Vegetation cover varies from immature to mature forests of larch, pine, spruce and fir. Considerable clear-cut logging has occurred on the claim group in the recent past and the logged areas are in various stages of regeneration. Traverses are difficult necessitating cut lines and GPS survey control for location.

### 1.40 Property

The Clair claim block (figure 2, in pocket) is a block of claims owned by Abitibi Mining Corp, 1000-675 W. Hastings Street, Vancouver, B.C. A listing of the individual claims, their tenure numbers and current expiry dates is given in the Appendix.

### 1.50 Scope of Present Program

Abitibi Mining Corp optioned 6 mineral claims (46 units: Clair 14, 15, 16, 17, 18, 19 Fr.) from Cominco Ltd in 1996 with the intent to drill test a long-standing UTEM anomaly on the block.

The 1997 program consisted of collecting gravity data over the claim block to identify the presence of near-surface massive sulfide occurrences and two DDH (C-97-01 and C-97-02) designed to test the known UTEM anomaly.

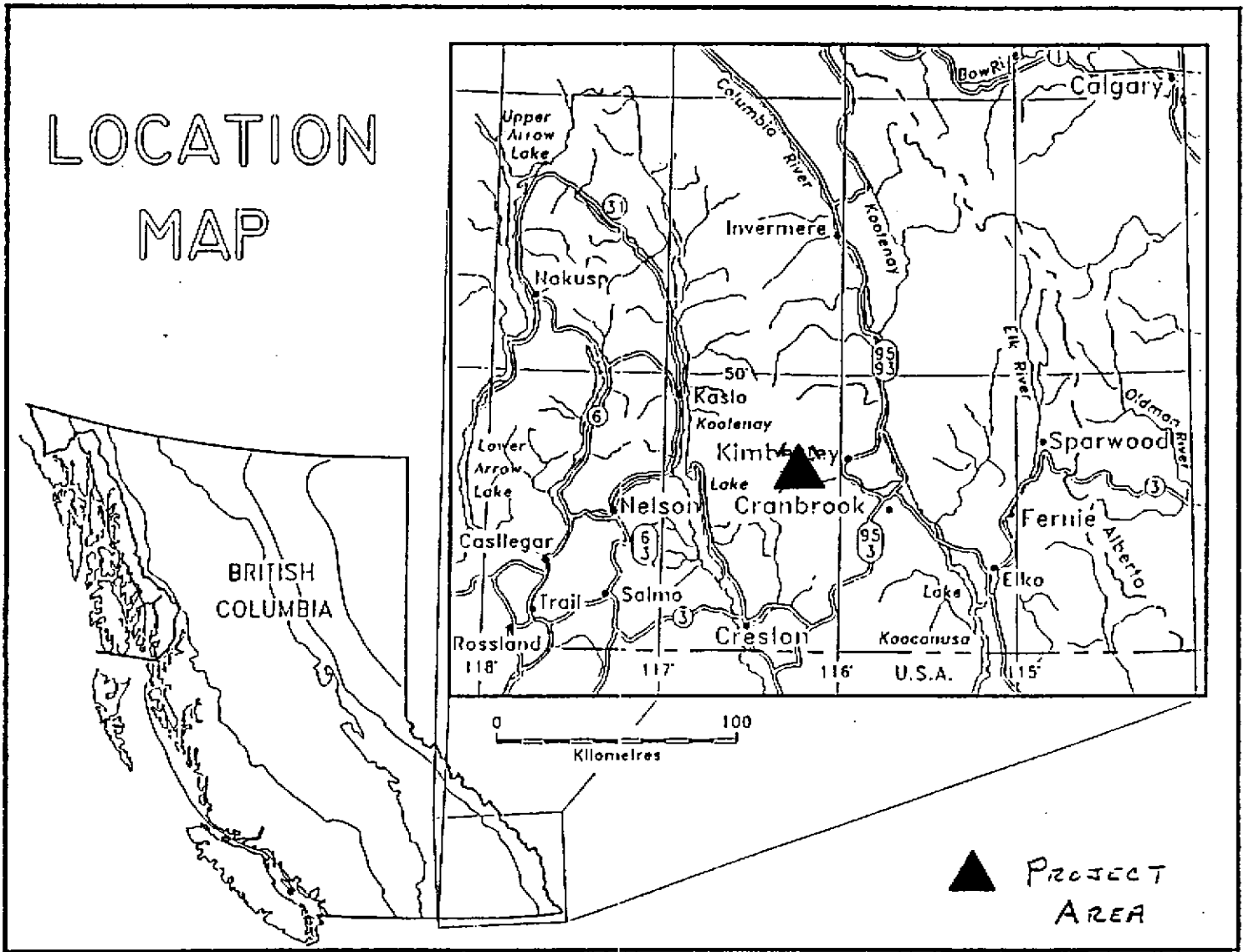


Figure 1.--Index Map.

## 2.00 GEOLOGY

### 2.10 Regional Geology

The area of the Clair claim block is underlain by Precambrian Purcell Supergroup rocks of the Aldridge Formation (figure 3). These are fine-grained clastics that include impure quartzites, siltstones and argillites. The rocks have been metamorphosed to lower greenschist facies and have been intruded by a series of mafic sills and dykes.

### 2.20 Property Geology

On the Clair claim block, Precambrian-age Aldridge Formation rocks are generally flat-lying with local dips up to 20°. Outcrops are generally restricted to cliff faces and ridge crests and do not exist in the St. Mary River valley where the UTEM anomaly exists. Considerable glacial material covers the slopes and valleys. DDH C-97-01 intersected 229 metres of probable glacial lake beds in the St. Mary River valley.

## 3.00 GRAVITY SURVEY

### 3.10 Introduction

Abitibi Mining Corporation contracted Quadra Surveys of Richmond, British Columbia to complete a gravity survey over the claims to detect massive sulphide mineralization. See Quadra Survey's *summary report in Appendix (attached)* which describes the survey procedure, instrumentation, data reduction and formulae, results & interpretation, and survey precision.

### 3.20 Survey Boundary

After discussions with Rick Conte, gold commissioner (EI<RCONTE@galaxy.gov.bc.ca), a gravity survey of approximately 1 km beyond the claim boundary was chosen to avoid the "edge-effects" of limiting the gravity data to the area of the claim block. The purpose of this method was to provide better control for detecting gravity anomalies on the extremities of the claim block.

### 3.30 Example of "Edge-Effect"

Figure 4 is an example of the benefit of including gravity stations approximately 1 km beyond the limits of a claim block.

A theoretical claim block 3 km by 3 km extending from 1000 metres east to 4000 metres east and 1000 metres north to 4000 metres north is shown as the shaded area on figure 4. Gravity values are shown extending from 6 gravity units at 0 metres east, 5000 metres north to 10 gravity units at 4000 metres east, 1000 metres north.

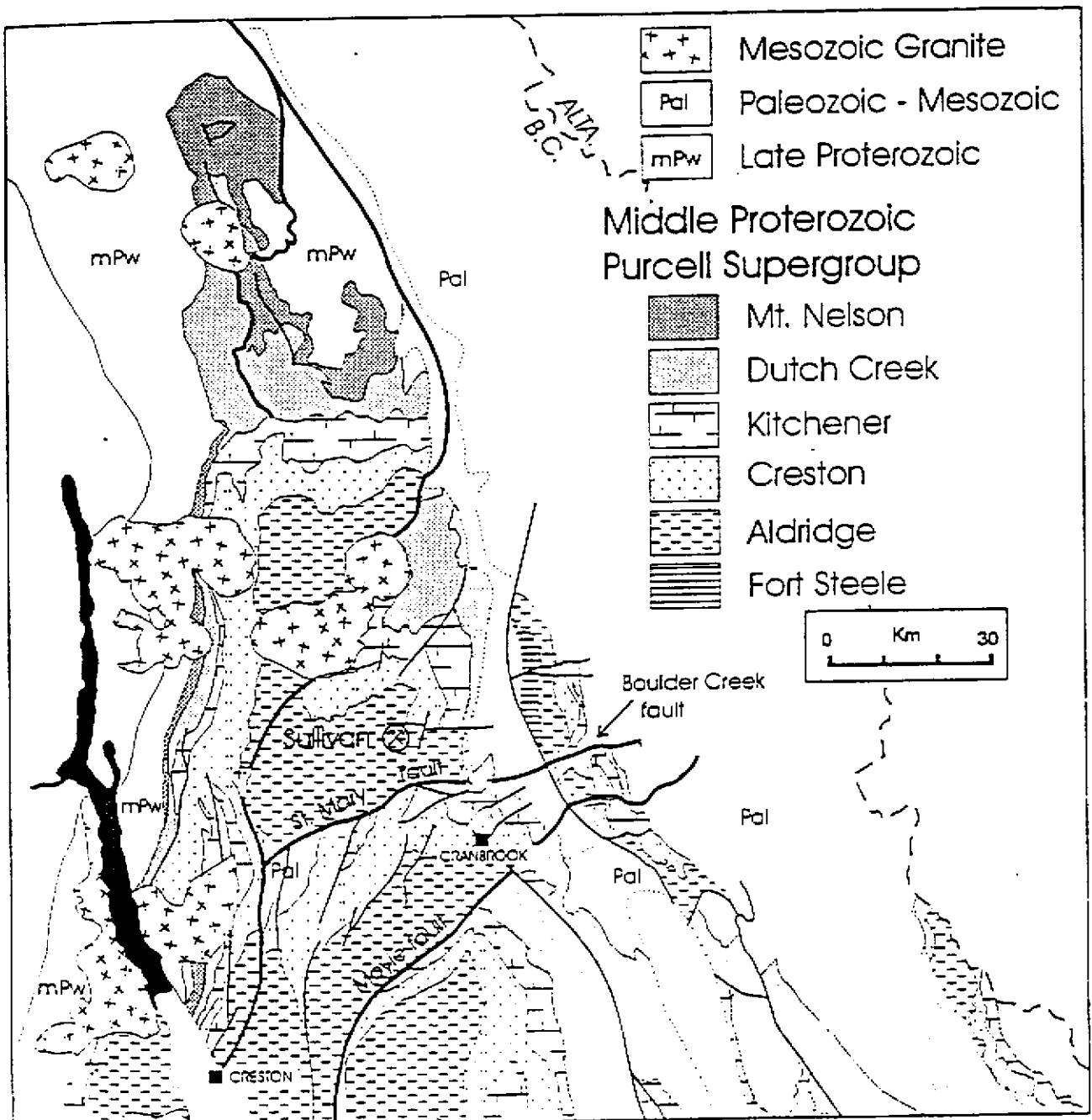


Figure 3 --Regional geology map of the Purcell Supergroup, Southeastern British Columbia.

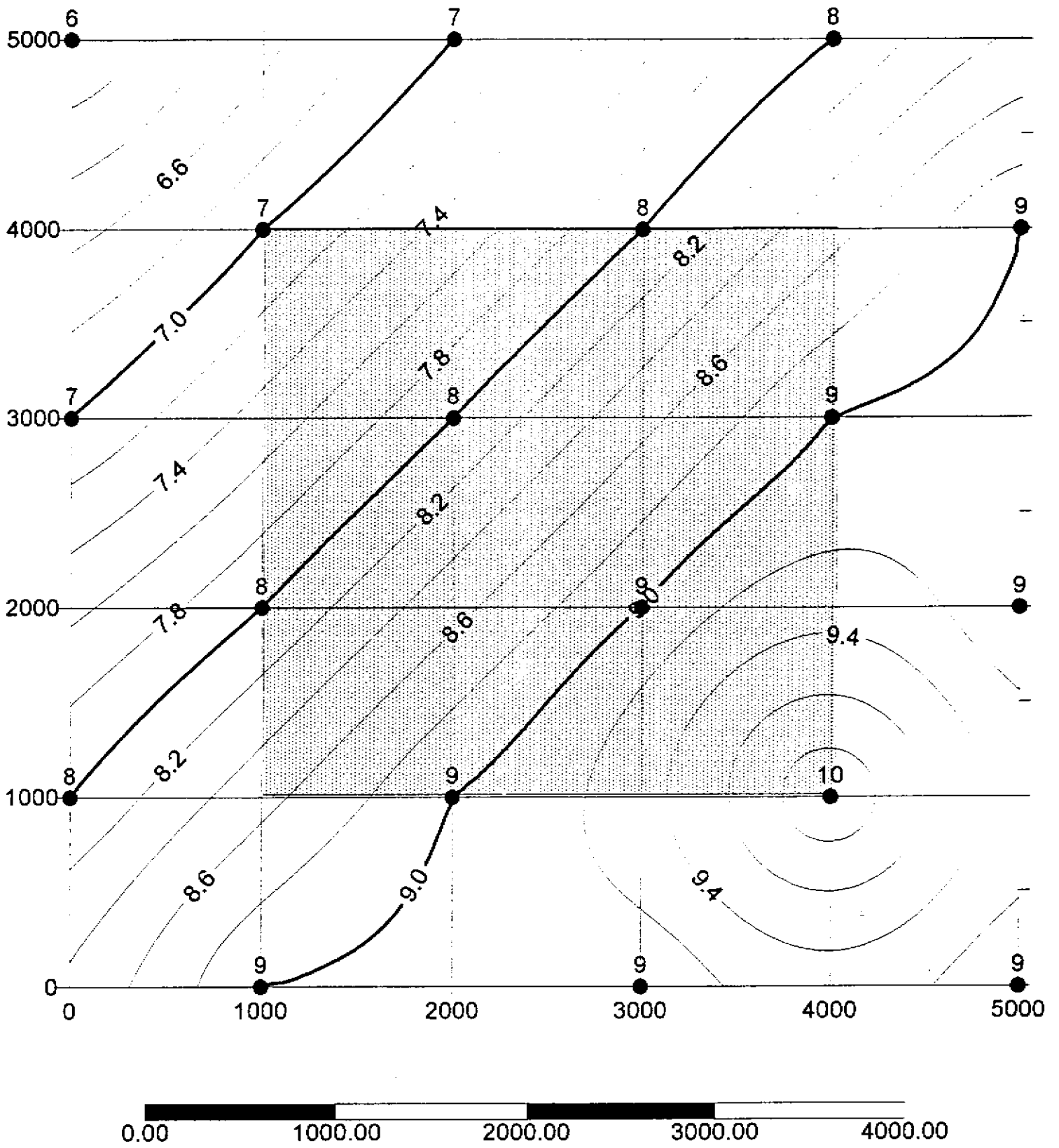


Figure 4.--Example of "Edge Effect".



If only the gravity values on the claim block are considered, an interpretation that the area contains a gentle regional gradient ranging from 7 to 10 gravity units would be made. But, if gravity values approximately 1 km beyond the limits of the claim block are considered, the gravity value at 4000 metres east, 1000 metres north is detected as a significant anomaly.

Therefore, gravity stations approximately 1 km beyond the claim boundary are utilized in the interpretation in this report.

### 3.40 Results

Figure 5 (in pocket) is a Bouguer gravity anomaly map of the area with a contour interval of 1 mgal. On the Clair 14, 15, 16, 17 and 18 claims lines were cut and gravity stations run on a NE-SW orientation perpendicular to the NW-SW trend of the UTEM anomaly. No 1-3 mgal positive anomalies were detected that could be caused by a buried massive sulfide body. The minor gravity low (-175 to -179 mgal) northwest of the drilling probably represents low density glacial (lake bed fill) sediments glacially scoured in the denser Aldridge basement rocks.

## 4.00 DRILLING

### 4.10 Introduction

The purpose of the drilling was initially to test the known UTEM anomaly.

### 4.20 Drill Data

Two NQ diamond drill hole tests were completed on the property in the Fall of 1997.

<u>DDH #</u>	<u>Total Depth</u>	<u>Inclination</u>	<u>Azimuth</u>	<u>UTM North</u>	<u>UTM East</u>
C-97-01	624.2 m	-60°	044°	5,469,740N	550,036E
C-97-02	181.7 m	-50°	051°	5,496,466N	550,062E

A total of 805.7 metres were drilled. Refer to the Appendix for the drill hole records. The location of C-97-01 and 02 on claim Clair 15 is shown in Figure 5 (in pocket).

#### 4.30 Drilling Results

DDH C-97-01 intersected the location of the UTEM anomaly at approximately 300 metres in Moyie intrusive. Moyie intrusive continued to 302 metres depth well beyond the location of the UTEM anomaly. Therefore, the Moyie intrusive is probably the cause of the UTEM anomaly. Only probably lower Aldridge sediments and sills were intersected in C-97-01.

DDH C-97-02 was designed to move up the hill to the south in an attempt to test the LMC. C-97-02 intersected only probable lower Aldridge sediments and sills.

#### 5.00 CONCLUSIONS AND RECOMMENDATIONS

The Bouguer gravity survey did not detect any anomalies that might represent near surface massive sulfide bodies.

DDH C-97-01 tested the UTEM anomaly. Only lower Aldridge sediments and intrusives were intersected.

DDH C-97-02 did not test the LMC. Only lower Aldridge sediments and intrusives were intersected.

Recommendations are to move higher up the hill side to the south in an attempt to test the LMC in the area.

6.00 STATEMENT OF COSTS

Establish Base Stations, Data Acquisition and Inner Zone Terrain Corrections  
 (Quadra Surveys operator, report, instrument rentals, 4x4 field vehicle,  
 expenses, computers, lodging plus helper and expenses)

105 stations x \$146/station..... \$15,330

Drilling (Lone Ranger Drilling Co.)

C-97-01..... \$47,676

C-97-02..... \$32,375

Management, Core Logging, Drafting

Peter Klewchuk (21 days x \$250)..... \$5250

Glen Rodgers (23 days x \$250)..... \$5750

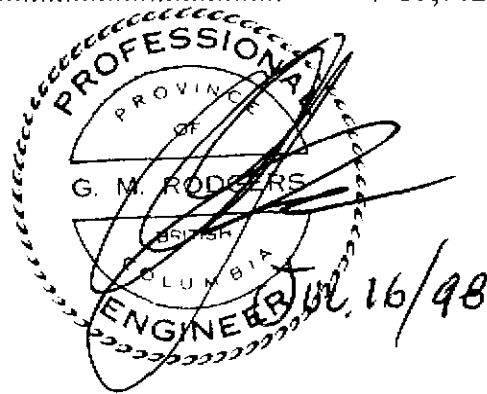
Bob Woodfill (16 days x \$400)..... \$6400

Apex Design (AutoCad drafting, Surfer software, supplies)..... \$3921

Sub-Total ..... \$116,702

PAC Withdrawl ..... \$23,000

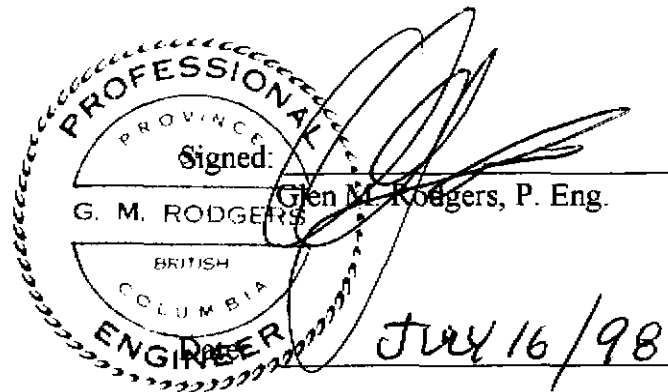
Total ..... \$139,702



7.00 STATEMENT OF QUALIFICATIONS

I, Glen Rodgers certify that:

1. I am a graduate of the University of Manitoba School of Geological Engineering (1977) and registered with the British Columbia Association of Professional Engineers and Geoscientists as a P. Eng.
2. I have based this report on work done by myself during 1997 on the claims including supervision of the project.
3. I do not expect to receive any share consideration as a result of writing this report.
4. I have practiced my profession continuously over the last 20 years as an exploration geologist working in Canada, Alaska and Central America.



The image shows a circular professional seal for a registered professional engineer in British Columbia. The seal contains the text: "PROFESSIONAL ENGINEER" around the perimeter, "PROVINCE OF BRITISH COLUMBIA" in the center, and "G. M. RODGERS" below. The seal is signed with a cursive signature and dated "July 16/98".

Signed: Glen M. Rodgers, P. Eng.  
G. M. RODGERS  
BRITISH COLUMBIA  
ENGINEER  
July 16/98

## 8.00 APPENDIX

## Listing of Claims

<u>Claim Name</u>	<u>Tenure No.</u>	<u>No. Units</u>	<u>New Expiry Date</u>
Clair 6	209770	15	27-Apr-2001
Clair 14	209798	18	16-Jun-2001
Clair 15	209875	10	29-Apr-2001
Clair 16	209876	3	29-Apr-2001
Clair 17	209877	4	29-Apr-2001
Clair 18	209878	10	29-Apr-2001
Clair 19 Fr	209879	1	29-Apr-2001
PMR 62	351440	18	6-Oct-2003
PMR 8	338368	9	24-Jul-2004
PMR 63	351441	20	5-Oct-2003
PMR 64	357994	15	16-Jul-2003
PMR 65	357995	1	16-Jul-2005
PMR 13	338375	1	25-Jul-2005
PMR 14	338376	1	25-Jul-2005
Refer to Lot Table	351012	1	30-Sep-2005
Refer to Lot Table	351011	1	30-Sep-2005
Refer to Lot Table	351013	1	30-Sep-2005
PMR 9	338369	16	24-Jul-2001
PMR 10	338370	8	26-Jul-2002
PMR 45	348089	16	16-Jul-2003
PMR 47	348091	18	10-Jul-2003
Cleo 33	351733	4	15-Oct-2003
PMR 66	357996	1	15-Jul-2003
PMR 67	357997	1	15-Jul-2004
Cleo 31	351732	12	15-Oct-2003
PMR 50	348094	1	9-Jul-2005
PMR 51	348095	1	9-Jul-2005
PMR 52	348096	1	9-Jul-2005
PMR 58	348102	1	9-Jul-2005
PMR 59	348103	1	9-Jul-2005
Cleo 32	351734	1	14-Oct-2005
Cleo 1	340446	1	16-Sep-2006
Cleo 2	340447	1	16-Sep-2006
Cleo 3	340435	1	16-Sep-2006
Cleo 4	340436	1	16-Sep-2006
Cleo 5	340437	1	17-Sep-2005
Cleo 6	340438	1	17-Sep-2005

<u>Claim Name</u>	<u>Tenure No.</u>	<u>No. Units</u>	<u>New Expiry Date</u>
Cleo 7	340439	1	17-Sep-2005
Cleo 8	340440	1	17-Sep-2005
PMR 49	348093	1	10-Jul-2005
PMR 57	348101	1	11-Jul-2005
PMR 56	348100	1	11-Jul-2005
Cleo 20	347510	20	27-Jun-2000
Cleo 21	347511	20	15-Jun-2000
PMR 4	337531	1	12-Jul-2005
PMR 7	337734	12	15-Jul-2003
Red 50	345314	16	17-Apr-2003
Cleo 28	346544	18	31-May-2000

## Drill Hole Record

Property: Cominco Clair Option

District: Fort Steele

Hole No. C-97-01

Length of Hole: 624.2 metres

Commenced: September 15, 1997

Completed: October 1, 1998

General Location St. Mary Lake area, 49.621 Latt., -116.307 Long. (Quadra)

Co-ordinates: UTM: 5,496,740 N, 550,036 E (Quadra)

Elevation: 981.200 metres (Quadra)

Inclination: -60°

Azimuth: 044°

Dip Test Results: -70°@650 ft; -80°@2048 ft

Core Size: NQ

Logged By: Peter Klewchuk

Objective: Test Cominco historical UTEM anomaly

Location of Core: Cranbrook Field Office

Drilled By: Lone Ranger Diamond Drilling, Ltd.

Type of Drill: Longyear 44

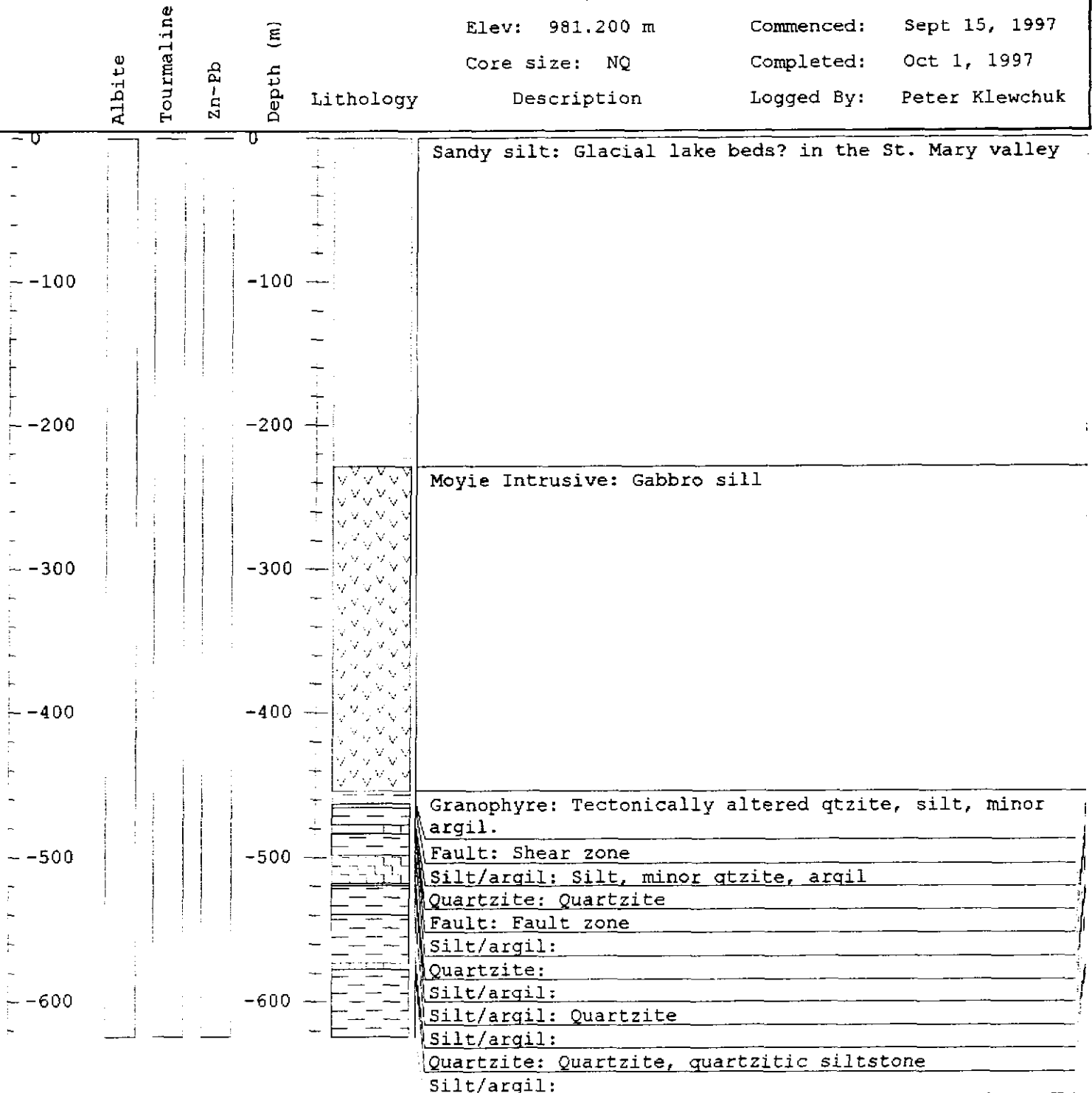
WP7 File No: C:\MyFiles\Tplog97\C-97-01.wpd

General Comments: All Lower Aldridge units.

Abitibi Mining Corp  
 Cranbrook Project  
 3380 Wilks Road  
 Cranbrook, B.C., VIC 4H7

Page: 1 of 1  
 Latt: 49.621°  
 Long: -116.307°  
 UTM-N: 5,496,740  
 UTM-E: 550,036  
 Elev: 981.200 m  
 Core size: NQ

Drill Hole: C-97-1  
 Project: Clair West  
 Depth: 624.2 metres  
 Inclination: -60°  
 Azimuth: 044°  
 Commenced: Sept 15, 1997  
 Completed: Oct 1, 1997  
 Logged By: Peter Klewchuk

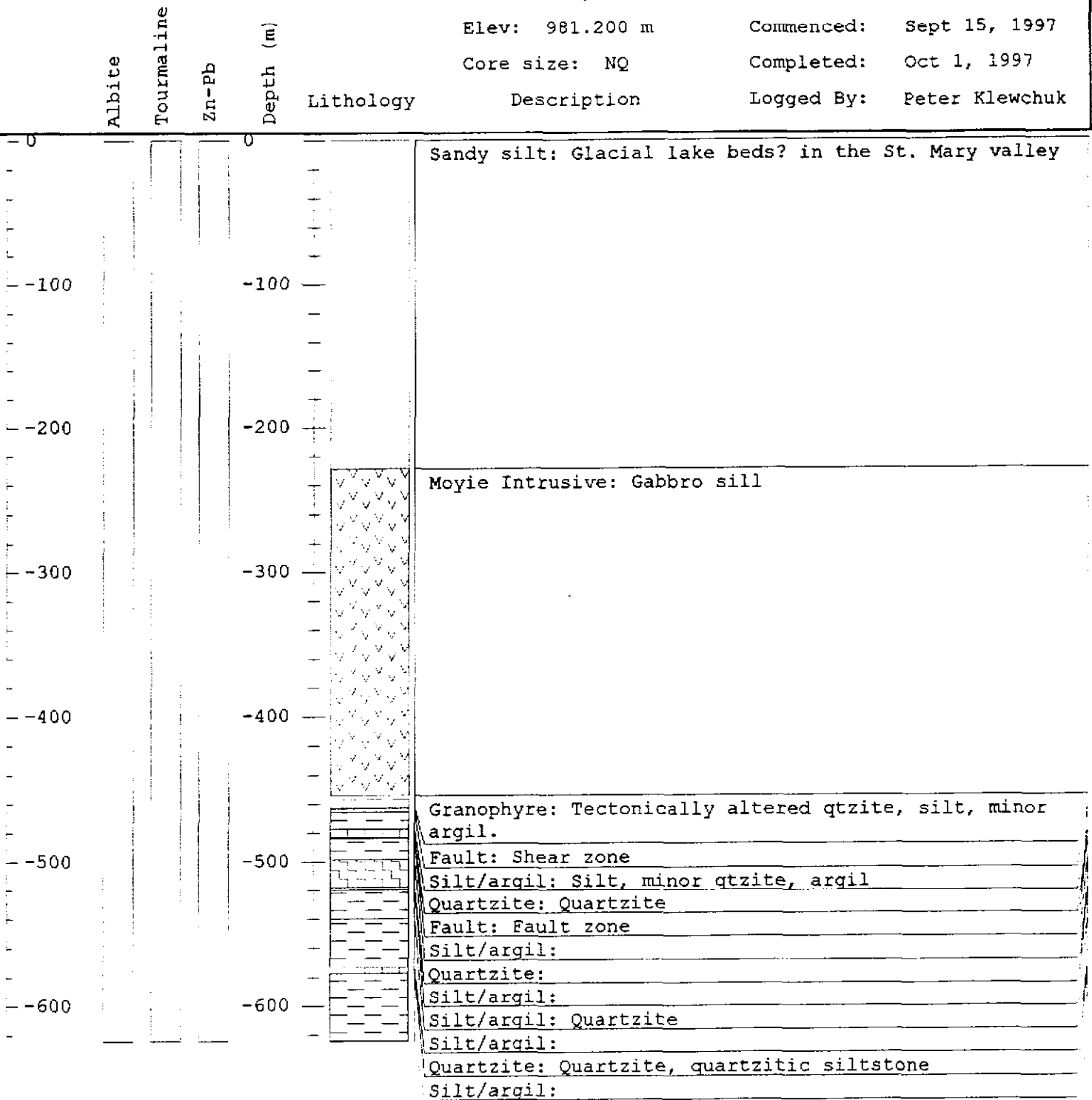




Abitibi Mining Corp  
 Cranbrook Project  
 3380 Wilks Road  
 Cranbrook, B.C., V1C 4H7

Page: 1 of 1  
 Latt: 49.621°  
 Long: -116.307°  
 UTM-N: 5,496,740  
 UTM-E: 550,036  
 Elev: 981.200 m  
 Core size: NQ

Drill Hole: C-97-1  
 Project: Clair West  
 Depth: 624.2 metres  
 Inclination: -60°  
 Azimuth: 044°  
 Commenced: Sept 15, 1997  
 Completed: Oct 1, 1997  
 Logged By: Peter Klewchuk



0-228.9

Casing. No core.

0-158.5 m NWC Rods (NQ Casing).

158.5-228.9 BWC (NQ) Rods (BQ Casing).

Bedrock presumed hit at 224.64 m.

228.9-301.9

**MOYIE INTRUSIVE, GABBRO**

Mainly dark green, also light to medium green and gray-green.

Texture is variable from massive to mottled and foliated.

Numerous small quartz and quartz calcite veins are present; these tend to be at 30° to 60° to c/a, but range from 0° to 30°. Many are very narrow (&lt;3 mm), irregular and discontinuous.

Narrow sections are more biotite-rich and tend to have a flow or foliation fabric, commonly at moderate angles of 30° to 60° to c/a.

There is no dominant fabric.

Minor iron sulfides occur locally; both po and py are present, commonly as coarse blebs and discontinuous veins.

Po and py commonly occur together in places with quartz veining.

254.75-255.2 is a larger, fine-grained albitic altered zone with

small vugs, very thin calcite veins. Zone is at ~45° to c/a. Lower

contact at 254.75 is cut by a 4-5 mm wide py vein at 35° to c/a.

Magnetite is common in the more strongly foliated sections, with quartz veining and some iron sulfides. Small irregular clots of black magnetite occur within some q.v. Po is also magnetic.

At 294.7 m a 2 to 5 cm wide quartz-carbonate vein at 30-60° to c/a carries numerous small (<1-4 mm across) blebs of reddish brown ZnS and one PbS bleb. Much weaker, fine dissem. ZnS occurs for a few cm into gabbro on both sides of the Q-CO<sub>3</sub> vein.

At 300.5 m a 10 cm section of core is mostly quartz, foliated at ~50° to c/a with po and chlorite on margins of 'augen banded' quartz.

Foliation through much of the core here is at ~50° to c/a.

301.9-303.3

**MASSIVE. FINE-GRAINED QUARTZ**

Both contacts are parallel to foliation of host gabbro dike, at 50° to c/a. Very pale gray-green, fine grained, granular mass of quartz grains (+ albite?). Massive texture. A few thin light gray q.v., typically at ~25° to c/a with minor reddish brown ZnS, galena and pyrite. Some dissem. sulfides and dissem. dark green chlorite.

303.3-454.3

**MOYIE INTRUSIVE. GABBRO DIKE**

Med. to dark green, massive to foliated. Fine to med. grained; generally similar to previous gabbro interval. Minor ZnS, PbS and py occur with QV at contact at 303.3 m. Minor po and assoc. Cpy as well as Fe carbonate are present.

313.25-313.65 is a zone of quartz veining and epidote-altered healed breccia.

Ragged patches and veinlets of po (+Cpy) and minor pale pink garnets are present.

Zone is parallel to foliation at 50° to c/a.

Minor epidote alteration also occurs near 316.3 m with quartz veining and minor po.

336.5-351.1 is lighter gray, more quartz and calcite-rich, albite-altered and more strongly foliated (at 35-50° to c/a). Most of the zone is moderately to strongly magnetic with coarse patches of black magnetite present locally.

Dissem. coarse blebs of py and very ragged discontinuous patches or veinlets of py and chlorite are common in parts of the zone.

Ragged calcite and calcite-quartz 'veinlets' and foliated bands are common through out, usually with increased magnetite content, locally with distinct magnetite veinlets.

375.2-375.7 is a narrow CO<sub>2</sub> and magnetite-rich section, foliated at ~45° to c/a.

391.2-404.8 is mostly stronger foliated (at ~50° to c/a), more calcite, quartz and magnetite-rich.

Below 404.8, gabbro is more massive to weakly foliated, fine to med. grained and has a 'clotted' texture with chloritic amphibole aggregated as irregular clots within a more continuous pale gray feldspar ground mass.

At 451 m contact sheared zone starts. Shearing ± increases in intensity to 454.3 m. Shearing is at 30° to c/a at 451 m, 25° to c/a at 454.3 m. Calcite veins and ragged patches continue through this sheared contact zone.

- 
- 454.3-463.0      **TECTONICALLY ALTERED QUARTZITE, SILTSTONE, MINOR ARGILLITE**  
Med. gray, ranging to pale greenish-gray and darker gray. Variably brecciated (healed fractures), typically with biotite, quartz, calcite and minor chlorite developed along healed fracture surfaces as irregular veinlets. No distinct bedding planes. Shearing tends to be at  $\sim 35^\circ$  to c/a. Local cataclastic texture with elongate lenses (augen) of quartz-feldspar within more mafic fine-grained groundmass.  
At 453.3 m  $\sim 10$  cm of core is a breccia (fragmental) with angular to sub-rounded siliceous light gray fragments in a pale green chloritic matrix.
- 463.0-465.4      **SHEAR ZONE**  
Light gray to med. and dark green and brown. Fine-grained, generally finely 'banded' argillaceous material. Shear fabric varies from  $20^\circ$  to  $50^\circ$  to c/a, commonly wavy. Numerous shear-parallel irregular calcite veinlets are present. (Darker green bands may be of gabbroic origin; too fine grained.) Some quartz veining is also present, also parallel to shear fabric. Minor po is present.
- 465.4-477.3      **SILTSTONE, MINOR QUARTZITE AND ARGILLITE**  
Med. gray, gray-green and gray-brown. Med. and thin bedded, few thick beds. Bedding planes are commonly indistinct. Bedding at  $65-70^\circ$  to c/a. Weak to moderate biotite alteration is common, along with minor chlorite. At 473.8 m minor ZnS, PbS and Po are associated with a healed chloritic fracture at  $20^\circ$  to c/a. Bedding is somewhat disrupted through the interval but by bedding - sub-parallel healed fractures (i.e. not by fabric parallel to overlying shear zone). Thin, vague calcite veinlets are common in the upper portion of the interval, diminishing downward. Their presence suggests disruption of bedding is due to overlying gabbro and shear zone.
- 477.3-483.3      **QUARTZITE, VERY MINOR SILTSTONE AND ARGILLITE**  
Mainly light gray green also light and med. gray. Thick and med. bedded, few thin beds. Weak chloritic alteration, few pink garnets. Bedding at  $70^\circ$  to c/a.  
Below 482.0 m patchy albite alteration is present, within more silty, more biotite-rich section. A few thin quartz and quartz-calcite veins are present.

Metres	Description	Page 4 of 6
483.3-483.50	<p><b>FAULT ZONE</b> Moderate to strong cleavage at 55-70° to c/a, sub-parallel to c/a. Chloritic and argillic fracture surfaces. Few thin, lensey calcite veins.</p>	
483.5-498.2	<p><b>SILTSTONE, QUARTZITE AND ARGILLITE</b> Med-dark brownish gray, locally weakly chloritic and slightly greenish. Med. and thin bedded with a few thick beds. Bedding tends to be at 70° to c/a but is locally wavy and folded. Thin, bedding-parallel to cross-cutting calcite veins are present, commonly with chlorite and po. Py and chlorite are common on some fracture surfaces. Some narrow argillite beds have spotted 'albite freckling' alteration.</p>	
498.2-517.6	<p><b>QUARTZITE AND SILTSTONE, MINOR ARGILLITE</b> Med. blue-gray. Thick bedded, few med. and thin beds. Bedding planes tend to be indistinct, at ~70° to c/a. Scattered patches (concretions ?) of albite alteration are present with dissem. biotite and pink garnets. Open fractures are coated with chlorite and pyrite.</p>	
517.6-519.4	<p><b>ARGILLITE AND SILTSTONE</b> Dark brown gray to med. brown-gray. Thin bedded, few med. beds. Bedding at 75-80° to c/a. Fine-grained biotite is common throughout. Fine-grained albite is developed along a few thin beds and laminations.</p>	
519.4-539.4	<p><b>SILTSTONE, QUARTZITE AND ARGILLITE</b> Pale gray-green (quartzites) to med. and darker gray-brown. Thick, med. and thin bedded. Bedding at 75-80° to c/a. Bedding is variably disrupted, apparently by soft sediment deformation. 526.2-526.7 is a thin bedded zone with a series of slump units, each about 4 cm thick. The lower half of the interval has numerous very thick argillaceous siltstones which may be homogenized units due to slumping. A few albitic zones are white to gray with dissem. biotite and pink garnets. Below 538 m core is quite broken but no obvious fault zone.</p>	

539.4-572.8

**SILTSTONE AND ARGILLITE**

Med. gray-brown, thin to very thick bedded. Some bedding looks 'normal' at 50-80° to c/a but much of the interval is strongly disrupted (bedding at 0° to c/a near 546.7 m) such that the very thick argillaceous siltstone beds may be homogenized units. Very contorted folding occurs locally, apparently due to soft sediment deformation. A few thin veins and patches of calcite are present, commonly with chlorite and minor po. A few albite-biotite-garnet patches are present.

572.8-577.3

**QUARTZITE, QUARTZITIC SILTSTONE**

Light gray to med. blue-gray and brown-gray. Massive unit, possibly one bed, with local vague internal banding that may be bedding, at 40-50° to c/a.

Some folding evident at 575.3 m with internal banding at 0-30° to c/a; may be one very thick slump-homogenized zone. Two 10-12 cm wide albite-altered zones at 576.4 m with dissem. po, chlorite and garnet.

577.3-624.2

**SILTSTONE, MINOR QUARTZITE AND SILTY ARGILLITE, MINOR FRAGMENTAL**

Med. gray, gray-brown and blue-gray. Thin to very thick bedded.

Most of the interval is of very thick, massive to weakly 'bedded' siltstone. Local disturbed bedding - small scale folding - suggests these are homogenized units, possibly resulting from slumping. Bedding in thin bedded, more argillaceous sections is wavy, slightly folded but generally at ~40-50° to c/a.

At 597.7 m a 20 cm section of broken core is fragmental, clast-supported with elongate, angular to sub-rounded clasts aligned at ~70° to c/a, but wavy.

At 623.6 m a 2 cm wide zone of healed breccia with minor quartz vein matrix is at ~80° to c/a. May represent a minor fault.

Below 604 m scattered narrow zones of lighter gray to white albite alteration commonly contain dissem. chlorite, garnet and minor po.

Dissem. pink garnets are also locally common in some of the massive units, ranging in size up to 4 mm diam. and typically aligned parallel to cleavage at ~50° to c/a.

Irregular elongate blebs of po with accessory cpy are locally common in some thinner bedded zones.

Metres

Description

Page 6 of 6

---

624.2

End of Hole.

Acid Tests

650'

2048'

Uncorrected Reading

-70°

-80°

## Drill Hole Record

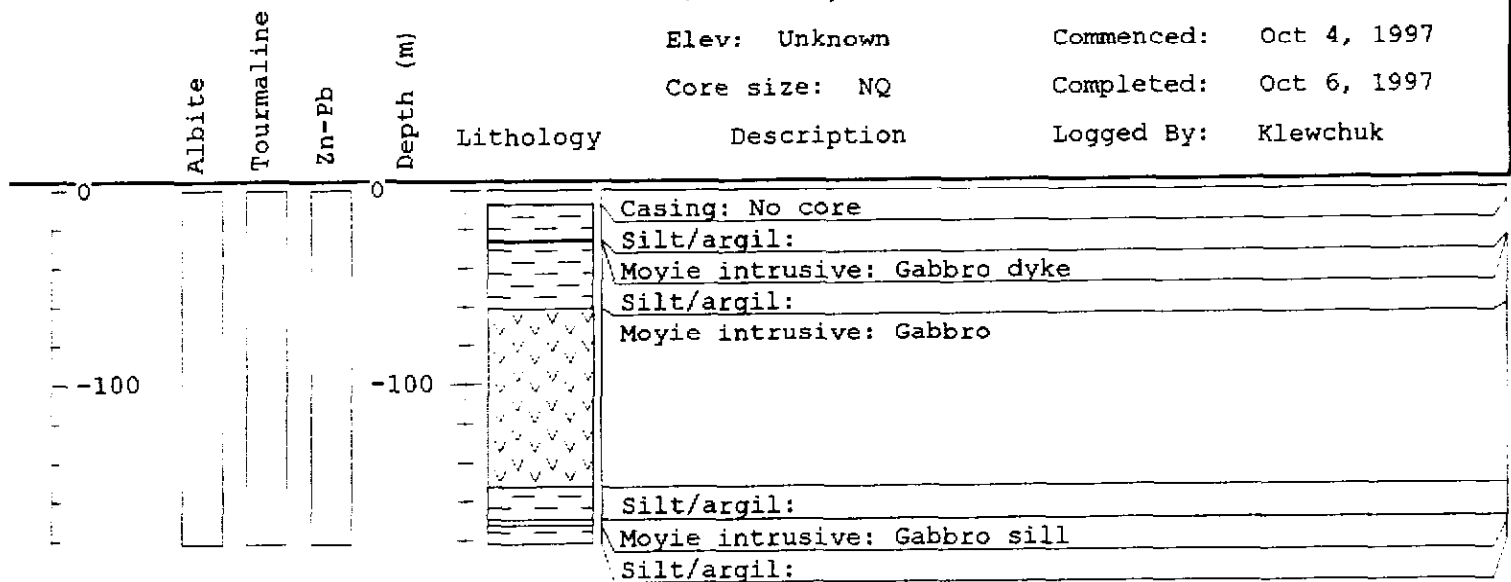
Property:	Cominco Clair Option
District:	Fort Steele
Hole No.	C-97-2
Length of Hole:	181.7 metres
Commenced:	October 4, 1997
Completed:	October 6, 1997
General Location	W. of St. Mary Lake
Co-ordinates:	UTM: 5,496,466N, 550,062E
Elevation:	Unknown
Inclination:	-50°
Azimuth:	051°
Dip Test Results:	None
Core Size:	NQ
Logged By:	Peter Klewchuk
Objective:	Test for LMC
Location of Core:	Cranbrook Field Office
Drilled By:	Lone Ranger Diamond Drilling, Ltd.
Type of Drill:	Longyear 44
WP7 File No:	C:\Myfiles\TPLog97\C-97-02
General Comments:	Only Lower Aldridge sediments.



Abitibi Mining Corp  
 Cranbrook Project  
 3380 Wilks Road  
 Cranbrook, B.C., VIC 4H7

Page: 1 of 1  
 Latt: Unknown  
 Long: Unknown  
 UTM-N: 5,496,466  
 UTM-E: 550,062  
 Elev: Unknown  
 Core size: NQ

Drill Hole: C-97-2  
 Project: Clair West  
 Depth: 181.7 metres  
 Inclination: -50°  
 Azimuth: 051°  
 Commenced: Oct 4, 1997  
 Completed: Oct 6, 1997  
 Logged By: Klewchuk



---

0-7.32	Casing, No core.
7.32-25.8	<p><b>SILTSTONE &amp; ARGILLITE</b>  Med-dark gray, laminated, thin-med. bedded. Bedding at 75-80° to c/a, locally to ~65°. Bedding mostly planar but commonly is wavy, lensey.  Isolated elongate rip-up clasts occur locally.  Minor local albite alteration; probable concretions, in med. thick siltstones. Dissem. biotite altering to chlorite and pink garnet occur within albitized zones.  At 24.4 m cross-cutting minette dike 3-4 cm wide, 35-40° to c/a, high angle to bedding. Very biotite-rich, partly decomposed from surface weathering.</p>
25.8-26.7	<p><b>GABBRO DIKE</b>  Upper contact is quartz vein, partly broken ~7-8 cm wide. Bottom contact in broken core, at ~45° to c/a. Both contacts appear slightly discordant to bedding. Med. gray-green color. Fine grained, locally biotite-rich, locally foliated at 35-40° to c/a. Two thin ~1 cm wide quartz veins with chloritic margins ~15 cm below upper contact, at 15-20° to c/a.</p>
26.7-60.9	<p><b>SILTSTONE &amp; ARGILLITE</b>  Med-dark gray, locally chloritic &amp; greenish, typically thin &amp; med. bedded, some very thin beds and laminations. Bedding at ~70° to c/a.  Between 41.5 and 48.4 m, patchy albitic alteration, locally quite pervasive; bottom 2 m is strongest. Albitic alteration is mottled, gray-white color, locally completely masks or disrupts bedding. Narrow albite altered zones occur throughout the main interval, i.e. above the stronger altered 41.5-48.4 m section. Dissem. biotite, minor po &amp; cpy are common in albite-altered zones.  From 51.25-51.4 m Qtz-sulfide vein, sub-parallel to bedding at 50° to c/a, ~15° off bedding      Mainly mottled quartz with coarse biotite, actinolite, coarse patches of po with more dissem. Pbs &amp; Cpy.  From 51.65-51.8 m another quartz-sulfide zone, more strongly foliated, possibly a minor      shear zone. Quartz, albitized fragments, coarse biotite, calcite, vein sulfides; mainly po with dissem. PbS in po &amp; ragged patches of Cpy mostly on vein margins. Small rounded quartz blebs occur in the po.</p>

Vein is sub-parallel to bedding. Foliation in vein is at  $\sim 50^\circ$  to c/a, bedding also at  $\sim 50-55^\circ$  to c/a but vein cuts bedding at slightly oblique angle.

Near 60 m 30-40 cm more strongly albitic zone.

Near 60.6 m, 3 QV sub-parallel to bedding in moderately foliated core, parallel to bedding.

60.6-60.9 is more strongly foliated, parallel to bedding.

60.9-152.6

### GABBRO

Contact at 60.9 is sub-parallel to bedding at  $\sim 70^\circ$  to c/a. Bedding at  $60^\circ$  to c/a. Gray-green fairly massive, locally biotitic and foliated. Mostly med. grained, locally (from 64.0-71.7 m) more coarse grained. Fine grained for  $\sim 1$  m at contacts. Numerous generally thin quartz veins and a few calcite veins are scattered through the gabbro. At 67.5 m a 1 cm wide QV occurs centrally within a 3 cm wide chloritic shear at  $25^\circ$  to c/a. At 69.6, 1.5 cm QV in weaker shear at  $30^\circ$  to c/a.

73.7 to 84.2 is more of a biotite-feldspar rock, foliated at  $50^\circ$  to c/a and with sharp contacts - possible Granophyre Zone.

120.4-120.8 is a Quartz vein complex at  $25^\circ$  to c/a with albite, chlorite, minor coarse biotite, minor actinolite and thin ragged Cpy and po veins.

Near 137.4 m a series of thin QV (3-5 mm wide) cut core at  $25-40^\circ$  to c/a. Massive po (to 3 mm wide) forms the central portion of some of the veins.

Basal contact is quite sharp at  $\sim 80^\circ$  to c/a (underlying bedding at 155.4 m is also at  $80^\circ$  to c/a).

152.6-169.2

### SILTSTONE, ARGILLACEOUS SILTSTONE, MINOR ARGILLITE

Med. gray and gray-green to darker blue-gray. Thin and med. bedded. Bedding at  $\sim 70^\circ$  to  $80^\circ$  to c/a. Top 4 m quite strongly altered. Greenish, chloritic with local albitization.

From 153.2-153.5 is intensely albitized section with minor po veining and local small clusters of PbS.

Series of QV at  $30-50^\circ$  to c/a in upper 4 m altered section, with stronger chloritic alteration on margins.

155.3-156.0 strongly sheared or foliated section, at  $\sim 65^\circ$  to c/a, sub-parallel to bedding, fairly chloritic altered also.

At 155.9 3-4 cm wide cross-cutting green, fine-grained gabbro dike at  $50^\circ$  to c/a, contacts a bit wavy.

---

	Moderately biotite-altered throughout, argillite beds are most strongly biotite-altered. Weaker albitic alteration occurs throughout, as pale gray mottled texture which partly destroys bedding character. Minor pink garnets occur locally with albitic alteration. Minor sericitic alteration, as pale gray-green bleaching on "healed fractures."
169.2-172.4	<b>GABBRO</b> Upper and lower contacts bedding-parallel and fairly sharp - a sill. Med. gray-green, quite fine-grained. Somewhat more med. grained in the middle. Quite massive. Scattered healed fractures - weakly bleached, very minor calcite and 2 thin quartz veins. At 171.2 m narrow 2 cm wide shear at 25° to c/a, no veining. At 171.7 m thin QV at 45° to c/a, chloritic sheared margins.
172.4-179.6	<b>SILTSTONE, SILTY ARGILLITE</b> Med-darker gray green and thin and med. bedded. Top 30 cm is intensely albite-altered. White to light gray with relict bedding evident. Near base of strong albite, 2 QV at 20° to c/a 1-1.5 cm wide with local coarse po. Albitic alteration diminishes downward over 2-3 m but is present throughout the remainder of the interval, weakly to moderately developed. Albitic alteration is med. gray mottled texture which partially destroys bedding. Minor py and weak to moderate chlorite on fractures.
179.6-181.7	<b>CHLORITIC ALTERED SILTSTONE</b> Med. green to dark gray. Med. and thin bedded but extensively disturbed. Series of quartz veins up to 6 cm wide, cut core at ~35° to c/a. Mottled veins with stronger chlorite alteration on margins. Narrower irregular veins and elongate quartz blebs are also present. Chloritic alteration is pervasively developed through the zone with some beds more strongly chloritized than others. Minor local coarse-grained biotite. This altered interval suggests the drill hole is approaching a significant fault zone.
181.7	End of Hole.

# SUMMARY REPORT

on a

# GRAVITY SURVEY

conducted on the

# CLAIR PROJECT

Near Cranbrook, British Columbia

---

PROPERTY : Cranbrook Area, British Columbia  
: UTM Zone 11 Easting: 545000 - 556000  
: UTM Zone 11 Northing: 5489000 -5499000

SURVEY PERIOD : September 5 to September 12, 1997

WRITTEN FOR : Abitibi Mining Corporation  
1000 - 675 West Hastings Street  
Vancouver, British Columbia, V6C 1S4

WRITTEN BY : Tam Mitchell, AScT  
QUADRA SURVEYS  
200-8191 River Road  
Richmond, British Columbia, V8X 3X9

DATED : November 10, 1997



## SUMMARY

A gravity survey was conducted in the St. Mary's River area West of Kimberley, BC. The property hosts a geological terrain known to be prospective for Sedex type deposits. The purpose of the work was to define possible mineralized zones and geologic structures in the area.

The gravity survey was conducted with 4WD access on existing roads. Gravity measurements were carried out using a Scintrex gravity meter. The station locations were obtained with a real time Trimble double differential GPS survey system. Inclinator readings were taken at every station to a distance of 170 meters for terrain corrections.

The gravity data were corrected for the various influences to yield partial Bouguer gravity anomaly values listed herein.

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Instrumentation . . . . .	5
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Table of Field Notes, Calculations & Gravity Values . . . . .	II
Partial Bouguer Anomaly Plan Map . . . . .	III

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Figure 2 – Gravity Base Station . . . . .	Appendix I
Figure 3 –7 GPS Base Stations . . . . .	Appendix I

## MAPS

### Location Map

Figure 1	Scale 1:1,000,000	2
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### Partial Bouguer Anomaly Plan Map

Figure 8	Scale 1:50,000	Appendix III
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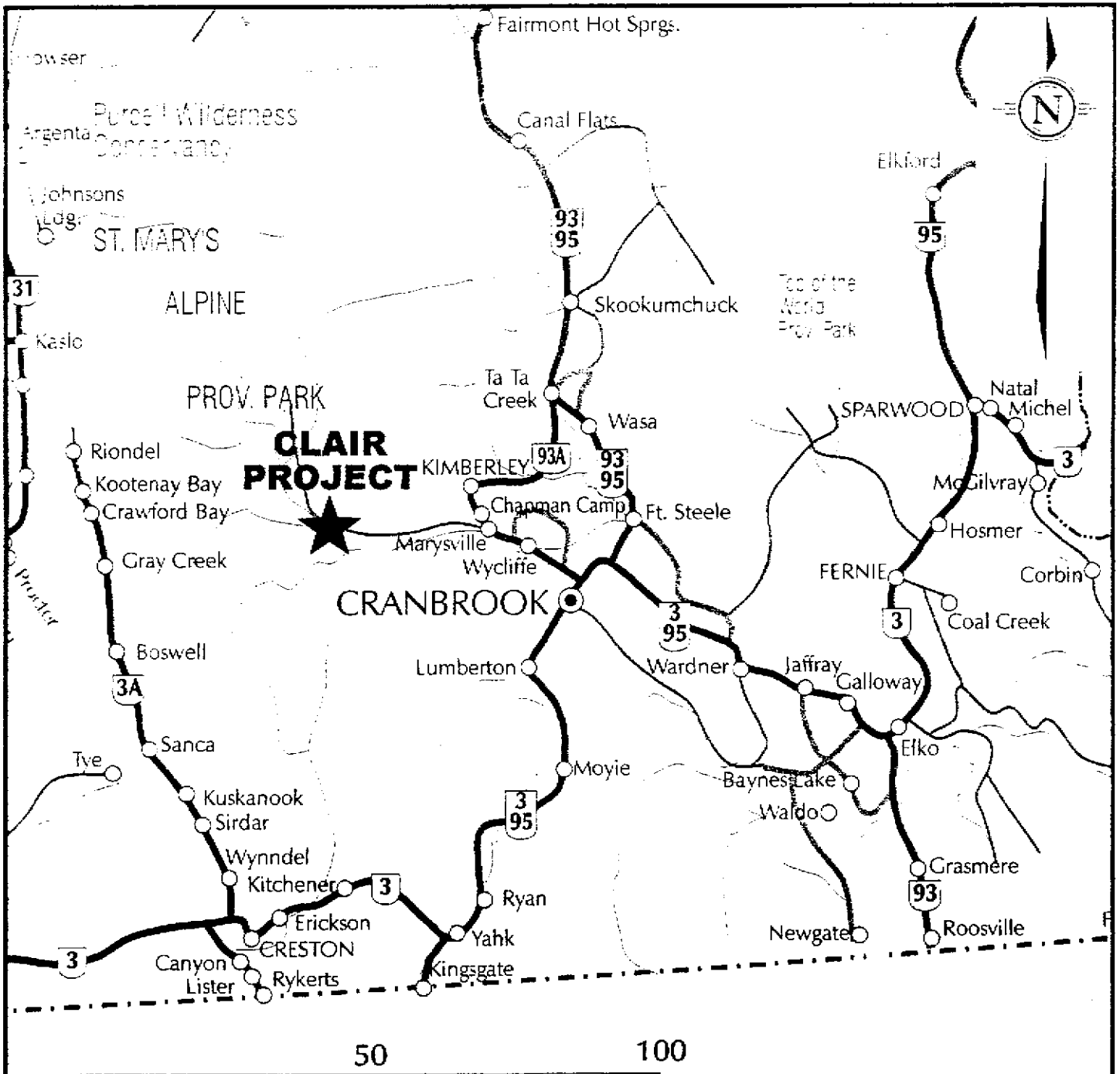
## **INTRODUCTION**

At the request of Abitibi Mining Corporation a gravity survey was conducted in an area 25 km West-Southwest of Kimberley BC. This report describes the instrumentation, theory, field procedure, data reduction and results of the 6 day survey which commenced September 5 and was completed September 12, 1997.

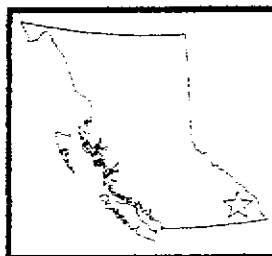
The survey was conducted by Tam Mitchell, AscT of Richmond, BC with the assistance of Zyoji Jackson of Cranbrook, BC. The crew was based at the Hastings Management field office at 3380 Wilks Road in Cranbrook. The exploration program was carried out under the field supervision of Dr. Robert Woodfill of Abitibi Mining Corporation.

The main purpose of the survey was to identify geologic structures in the area to locate possible zones of sedex type mineralization. Gravity surveying is a very effective tool in locating lead and zinc mineralization, particularly because of the high specific gravity of any sulphide mineralization especially that of lead.





Kilometers



ABITIBI MINING CORPORATION

**CLAIR PROJECT  
LOCATION MAP**

CRANBROOK M.D., B.C.

N.T.S. 82 F/9

DRAWN BY: TLM

DATE: NOVEMBER 1997

SCALE 1:1,000,000

FIGURE 1

QUADRA SURVEYS

## LOCATION and ACCESS

The property is located 25 km to the West-Southwest of Kimberley approximately defined by UTM Zone 11, Easting: 545000 to 556000 and Northing: 5489000 to 5499000. See figure 1.

Access to the property was on the St. Mary's Lake road located between Marysville and Kimberley on Highway 95a.

## SURVEY PROCEDURE

All gravity readings were tied to the National Gravity Net by a gravity base station established in a 1996 gravity survey. The base is located at the Cranbrook field office at 3380 Wilks Road and is marked by a steel spike and identified by a wooden stake with an aluminum tag reading: "Gravity Base -101". Geographic coordinates for the station were derived by GPS measurements as  $49^{\circ} 32' 48.07384''$  N and  $115^{\circ} 48' 44.86830''$  W (see figure 2). The station has a **National Gravity Net value of 980688.13  $\pm$ 0.02 mgal**. Field ties were also made to the nearest field base used for the GPS base station.

All Survey locations were referenced to **Canadian Geodetic Control System** through existing traverses referenced to **CGC Marker No. 543249** which is a brass tablet marked **897050**. The marker was in good condition and was established with spirit levels and GPS in 1990/91. The marker is located 7.7 km West on St. Mary's Lake Road from Marysville. The marker is 47 m East of a bridge over Mathew Creek and 16 m south of the centerline of the road. The station is further described as follows:

<b>Nad 83 Northing</b>	<b>5497859.405 m</b>	<b><math>\pm</math>0.072 m</b>
<b>Nad 83 Easting</b>	<b>568123.346 m</b>	<b><math>\pm</math>0.072 m</b>
<b>CVD28 Elevation</b>	<b>957.988 m</b>	<b>Method: Spirit Level</b>

Tam Mitchell, AScT, of Richmond BC, with the assistance Zyoji Jackson of Cranbrook BC acquired the field data. A total of 102 stations were acquired during the 5.5 days of the survey.

Inclinometer readings were taken on each gravity station with a Suunto inclinometer to provide inner zone terrain corrections in accordance with the Hammer Chart method. Zone B inclinometer readings were taken at 0, 90, 180 and 270 at a distance of 9.3 meters from the station. Zones C and D were shot at 0, 60, 120, 180, 240, and 300 degrees at distances of 35 and 112 meters respectively. Distances and angles were estimated.

## INSTRUMENTATION

### GRAVITY

The gravity readings were taken with a Scintrex CG-5 gravity meter (serial no. 10345) manufactured in Concord Ontario. The instrument has a world wide calibration range of over 7,000 mgal and a reading resolution of 0.005 mgal. This instrument features a sensor based on a fused quartz elastic system. The proof mass is balanced by a spring and a relatively small electrostatic restoring force. The position of the mass, which is sensed by a capacitive displacement transducer, is altered by a change in gravity. The inherent strength and elastic properties of the fused quartz together with stop limits around the proof mass permit the instrument to be operated without clamping. Instrument drift is considerably reduced by precise thermostatic control of the unit and software correction for residual effects. The instrument's tilt sensors are analog as well as electronic with a resolution of 1 arc second. Real time corrections for tilt errors can be automatically made for a range of  $\pm 200$  arc seconds. The entire gravity sensing mechanism is enclosed in a vacuum chamber to provide isolation from variations in atmospheric pressure. This extremely stable operating environment allows the long term drift of the sensor to be accurately predicted, and real time software correction reduces it to less than 0.02 mGals/day in theory. The unit can also automatically compensate for earth tides. The ETC is generated using the Longman formula (gravimetric factor 1.16).

### SURVEYING

Station locations were surveyed using the Trimble Site Surveyor 4400 system with a Pacific Crest radio link. The system used was capable of post-processing rapid static measurements with an accuracy of  $\pm 5$  mm + 1ppm horizontal and  $\pm 1$  cm + 1ppm vertical or real time data acquisition with an accuracy rating of  $\pm 1$  cm + 2ppm horizontal and  $\pm 2$  cm + 2ppm vertical.

The Site Surveyor 4400 is based on Trimble's fourth generation real-time survey technology. Incorporating the latest Trimble real-time GPS engine code and solution algorithms, the system provides very fast on-the-fly (OTF) initializations with the industry's most reliable position results. With this technology, average initialization times are cut in half. With advanced satellite signal acquisition and tracking, the ability to survey near trees is enhanced and downtime due to loss of signal minimized.

## DATA REDUCTION and FORMULAE

The gravity data was processed by computer in the following manner:

**g<sub>o</sub> Observed Gravity-** field observations corrected for earth tides and long term instrument drift were downloaded from electronic storage in the gravity meter and corrections made for instrument height and residual instrument drift. These values were then tied to the National Gravity Net.

**g<sub>fa</sub> Free Air Effect-** Correction for relative distances of observation points from the centre of mass(earth). This calculation moves all stations to a common elevation datum and corrects for relative distances in distance from the source mass. The elevation datum used was CGVD 28 mean sea level. The formulae used was:

$$g_{fa} = -0.3086 \text{ mgal/m}$$

**g<sub>bs</sub> Bouger Slab Effect -** Correction for the relative differences in amounts of surface rock below gravity stations. This calculation requires that a mean density or rock type between the lowest and highest grid elevations be established. All stations are shifted to a common datum as in the free air effect except that the vertical change is through an assumed slab of the derived density. The elevation datum used was CGVD 28 mean sea level.

$$g_{bs} = 2*PI*.00667*\sigma \text{ mgal/m}$$

Where  $\sigma$  = slab density (gm/cc)

**g<sub>i</sub> Theoretical Gravity -** Yields correction for change of observed gravity with change in latitude which is due primarily to the rotation of the earth and the difference in earth's radius between the poles and the equator.

$$g_i = g_e(1 + \alpha \sin^2 \theta + \beta \sin^2 2\theta)$$

Where  $g_e$  = equatorial gravity = 978,031.85 mgal.

$$\alpha = 0.005278895$$

$$\beta = -0.000023462$$

$\theta$  = Latitude

**gt Terrain Correction-** corrections for variations caused by local terrain. The vertical component of the gravitational effect exerted by nearby hills, or not exerted by nearby valleys or gullies, will effect the net reading obtained on any one station. The overall effect on a given line profile or area will be a function of the station spacing relative to the frequency of terrain undulations. Areas were segmented using circular sectors in zones developed by Hammer (1939). Corrections were made for zones B, C, and D (covering an area from 2 to 170 meters from the station).

$g_t$  was calculated from the following expression:

$$g_t = \Sigma \Phi \tau \sigma [r_o - r_i - (r_i^2 + z^2)^{1/2} - (r_o^2 + z^2)^{1/2}]$$

Where  $\Phi$  = Sector angle (B = 90°, C & D = 60 °)

$\tau$  = gravitational constant = 0.00667

$\sigma$  = average density (gm/cc)

$r_o$  = outer sector radius (B=16.6, C=53.3, D=170)

$r_i$  = inner sector radius (B=2, C=16.6, D=53.3)

$z$  = elevation difference between sector and station.

**$g_{faa}$  Free Air Anomaly:** is derived from the following formulae:

$$g_{faa} = g_o - (g_i - 0.3086 * E) = \text{Free Air Anomaly}$$

Where  $g_o$  = observed gravity

$g_i$  = theoretical gravity

$E$  = CGVD 28 elevation

**$g_{ba}$  Bouguer Anomaly:** was derived from the following formulae:

$$g_{ba} = g_b + g_{faa} + g_t = \text{Bouguer Gravity}$$

Where  $g_b$  = Bouguer gravity

$g_{faa}$  = free air anomaly

$g_t$  = terrain corrections

## RESULTS & INTERPRETATION

The data was reduced to partial Bouguer gravity anomaly values. Terrain corrections have been applied to 170 meters. A density of 2.67 gm/cc was used throughout the survey. The partial Bouguer Gravity anomaly values spanned a range of 24.44 milligals from a low of -179.36 mgal to a high of -154.92 mgal. The mean partial Bouguer value was -173.12 ±7.05 mgal. The survey identified a number of major and minor geologic trends and areas of interest.

## SURVEY PRECISION

### GRAVITY

Daily gravity loop ties were made to the base station -101 & Field Base -236 as follows:

Station	Loop Tie in mgal	Notes
-236	Internal Loop Tie	0.03
-101	Loop Tie	0.01
-101	Loop Tie	-0.01
-101	Loop Tie	0.03
-101	Loop Tie	-0.06
-101	Loop Tie	0.14
-101	Loop Tie	0.14

Repeat gravity readings were conducted on 4% of the stations read as follows:

Station	Repeat Accuracy - mgal
6605	0.01
6302	0.06
6404	0.08
6201	0.11

### LOCATION

On every station location the GPS system was re-initialized to verify the accuracy of the recorded station location.

## REFERENCES

*LaCoste & Romberg Instruction Manual, Model G and D Gravity Meter* , June 1989

Seigel, H.O.; *A Guide to High Precision Land Gravimeter Surveys*, August 1995

Telford, W. M., Geldart, L. P., Sheriff, R. E., Keys, D. A.; *Applied Geophysics*, 1982

Longman, I. M.; *Journal of Geophysical Research, Volume 64, No. 12; Formulas for Computing the Tidal Accelerations Due to the Moon and Sun*, December 1959

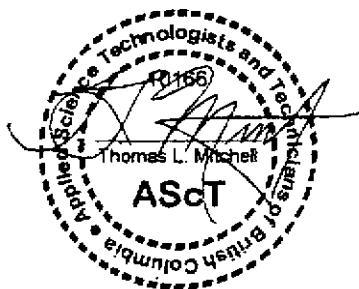
Hammer, 1939; (Terrain Correction Model)



# STATEMENT OF QUALIFICATIONS

I Thomas L. Mitchell, AScT, of the city of Richmond, Province of British Columbia, DO HEREBY CERTIFY THAT:

1. I am the owner of Quadra Surveys with office at 200 – 8191 River Road, Richmond, British Columbia, V8X 3X9.
2. I am a graduate of BCIT, with a diploma in Surveying Technology (1977).
3. I am a geophysical surveyor, registered with the Association of Applied Science Technologists and Technicians of British Columbia.
4. I have practiced my profession in Africa, Canada, Japan and USA for 19 years.
5. This report is based on a gravity survey which I conducted.
6. I have no direct or indirect interest in the property nor do I expect to receive any.

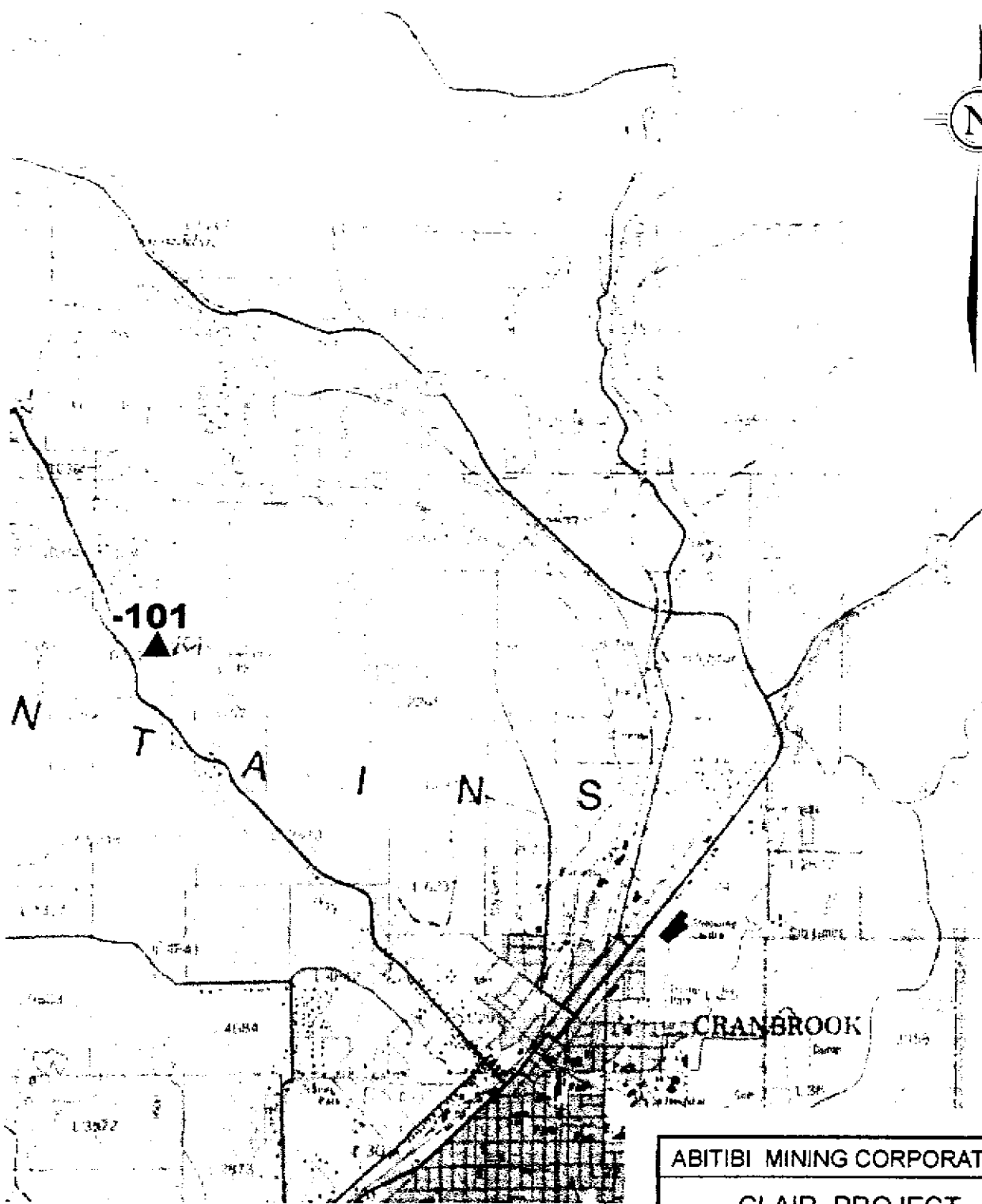


Dated at Cranbrook, British Columbia, this 10<sup>th</sup> day of November, 1997.

# APPENDIX I

**Gravity & GPS Base Stations**





**-101**  
▲

N T A I N S

CRANBROOK

ABITIBI MINING CORPORATION

CLAIR PROJECT  
**GRAVITY BASE**  
**-101**

CRANBROOK M.D., B.C.

N.T.S 82 G/12

DRAWN BY: TLM

DATE: SEPTEMBER 1997

SCALE 1:50,000

FIGURE: 2



QUADRA SURVEYS

**GRAVITY BASE -101**

National Gravity Net Value: 980688.13 ±0.02 mgal

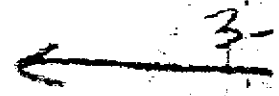
Northing: 49° 32' 48.07384"

Easting: -115° 48' 44.86830"

I V E

F

S



MATTHEW CREEK WILDERNESS

**-230**  
▲-230

897000

1/2 KM

MARY RIVER

ABITIBI MINING CORPORATION

CLAIR PROJECT  
**GPS CONTROL  
STATION -230**

CRANBROOK M.D., B.C.

N.T.S. 82 F/9

DRAWN BY: TLM

DATE: NOVEMBER 1997

SCALE 1:50,000

FIGURE: 3



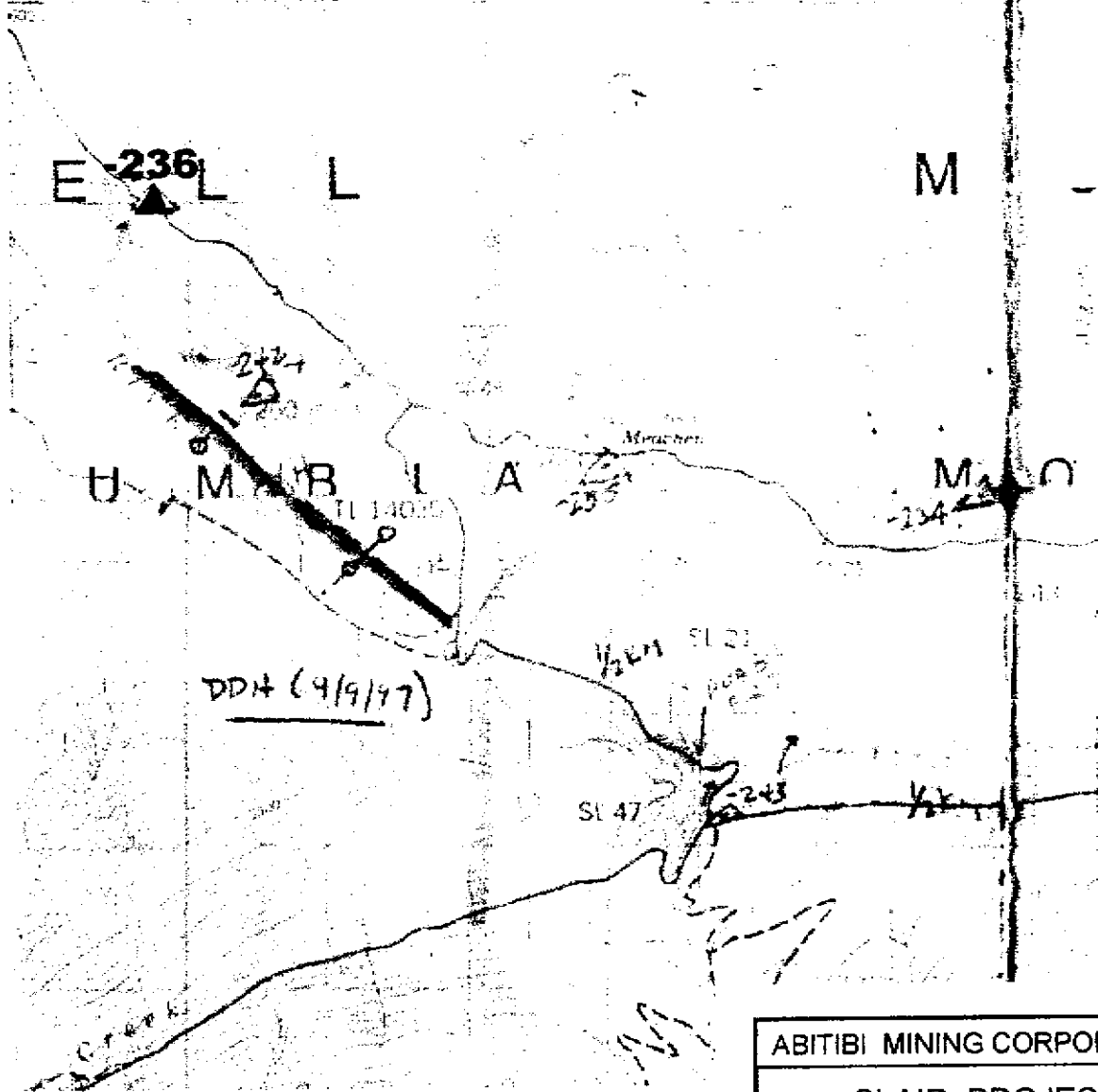
QUADRA SURVEYS

**GPS CONTROL STATION -230**

NAD 83 Northing: 5497901.739m

NAD 83 Easting: 567214.565m

CVD 28 Elevation: 982.146m



ABITIBI MINING CORPORATION

CLAIR PROJECT  
**GPS CONTROL  
STATION -236**

CRANBROOK M.D., B.C.

N.T.S. 82 F9

DRAWN BY: TLM

DATE: NOVEMBER 1997

SCALE 1:50,000

FIGURE: 4



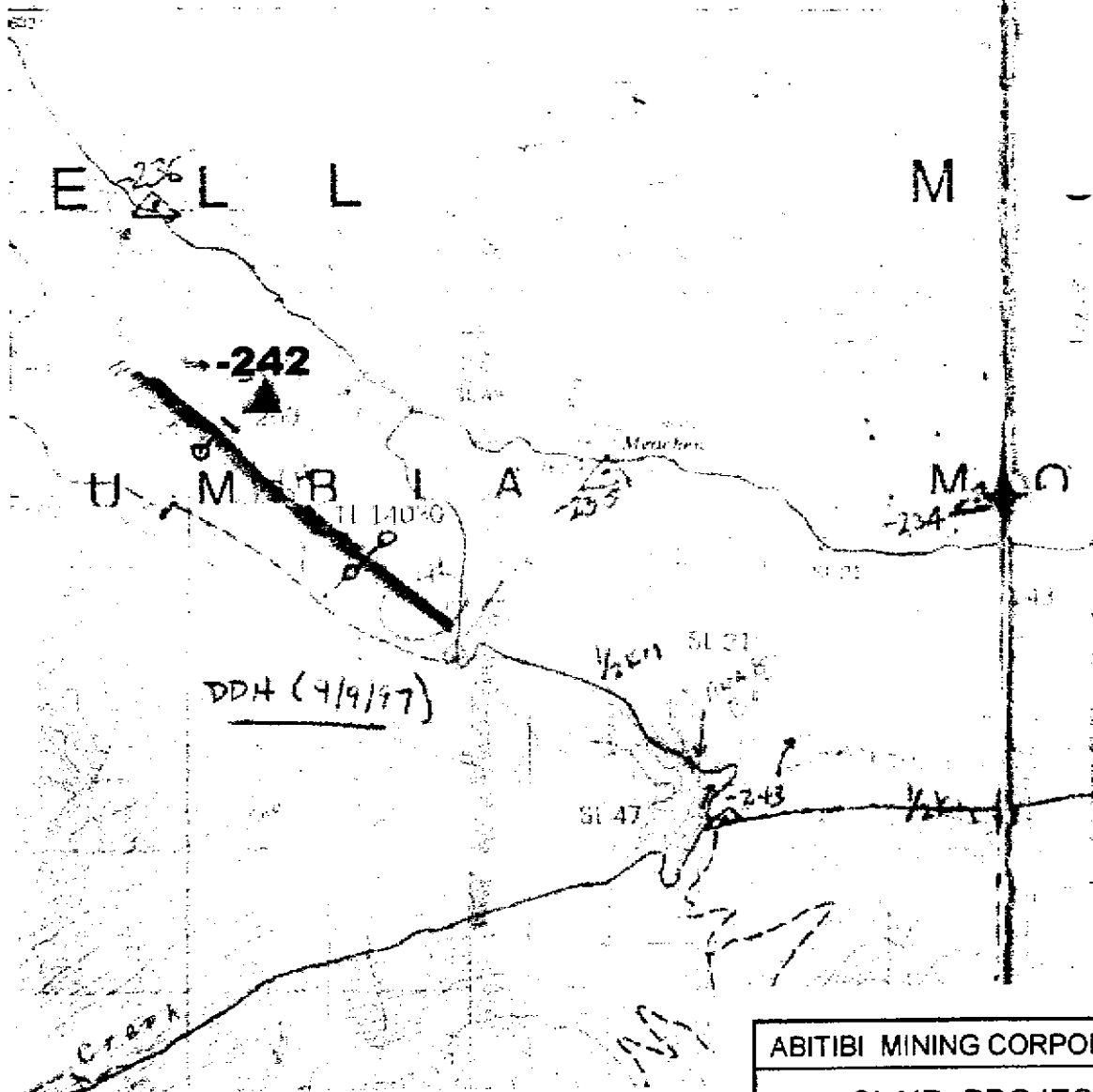
QUADRA SURVEYS

**GPS CONTROL STATION -236**

NAD 83 Northing: 5498904.029m

NAD 83 Easting: 549704.774m

CVD 28 Elevation: 1025.241m



ABITIBI MINING CORPORATION

CLAIR PROJECT  
**GPS CONTROL  
STATION -242**

CRANBROOK M.D., B.C.

N.T.S. B2 F/9

DRAWN BY: TLM

DATE: NOVEMBER 1997

SCALE 1:50,000

FIGURE: 5

**GPS CONTROL STATION -242**

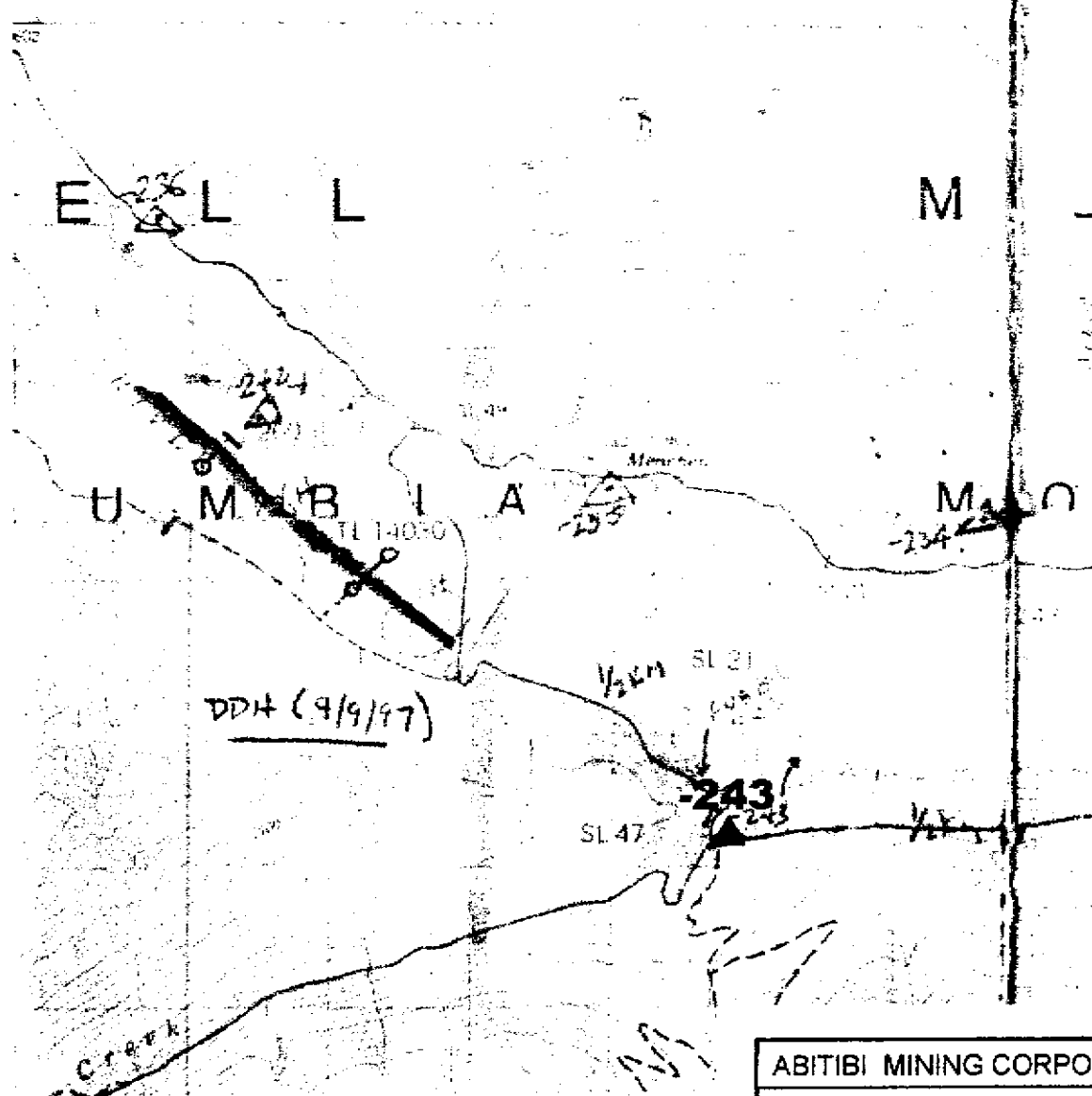
NAD 83 Northing: 5497407.188m

NAD 83 Easting: 550864.310m

CVD 28 Elevation: 980.676m



QUADRA SURVEYS



ABITIBI MINING CORPORATION

CLAIR PROJECT  
**GPS CONTROL  
STATION -243**

CRANBROOK M.D., B.C.

N.T.S. 82 F/9

DRAWN BY: TLM

DATE: NOVEMBER 1997

SCALE 1:50,000

FIGURE 6



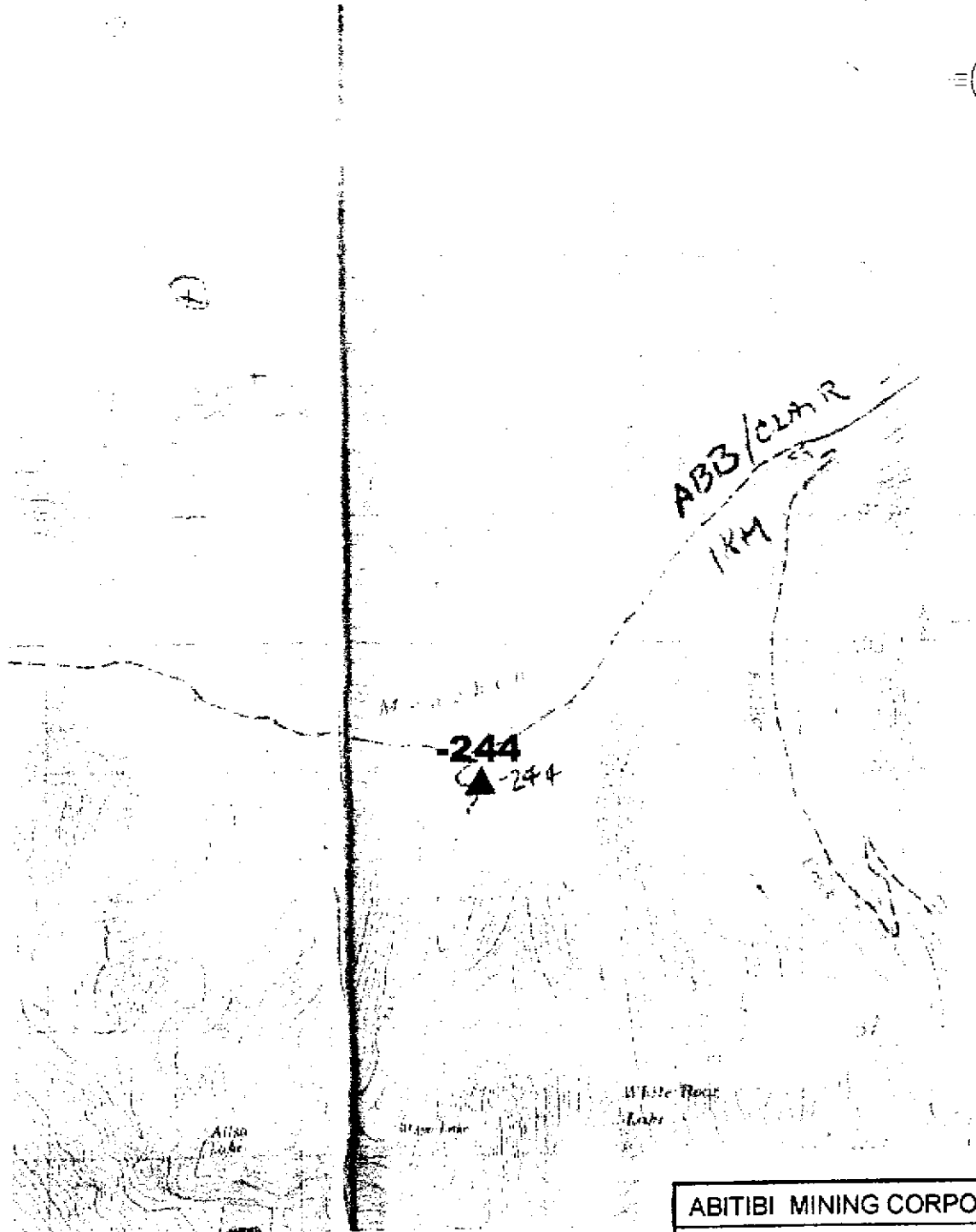
**QUADRA SURVEYS**

**GPS CONTROL STATION -243**

NAD 83 Northing: 5494392.238m

NAD 83 Easting: 553769.703m

CVD 28 Elevation: 1076.066m



ABITIBI MINING CORPORATION

CLAIR PROJECT  
**GPS CONTROL  
STATION -244**

CRANBROOK M.D., B.C.

N.T.S. 82 F/8

DRAWN BY: TLM

DATE: NOVEMBER 1997

SCALE 1:50,000

FIGURE 7



QUADRA SURVEYS

**GPS CONTROL STATION -244**

NAD 83 Northing: 5489198.169m

NAD 83 Easting: 545523.332m

CVD 28 Elevation: 1438.197m



# **APPENDIX II**

**Partial Bouguer Anomaly Gravity Data Listing**

**Real Time GPS Station Locations and Elevation Calculations**

**Observed Gravity Values – Electronic Notes from Gravity Meter**

**Observed Gravity Data Reduction and Calculations**

**Inner Zone Terrain Corrections**



# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Partial Bouguer Anomaly Gravity Data Listing

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Density 2.67

Stn	NAD 83 Northing	NAD 83 Easting	NAD 83 Latitude	NAD 83 Longitude	CGVD28 Elev	Observed G	Theoretical Gravity	Terrain to 170m	Free Air Anomaly	Bouguer Anomaly
-244	5489198.169	545523.332	49.55367244	-116.37059989	1438.197	980581.48	981029.62	0.56	-4.30	-164.67
-243	5494392.238	553769.703	49.59971145	-116.25588593	1076.066	980660.22	981033.73	0.04	-41.44	-161.81
-242	5497407.188	550864.310	49.62707931	-116.29569946	980.676	980664.62	981036.18	0.00	-68.92	-178.66
6101	5498307.000	549447.032	49.63528992	-116.31520907	983.406	980665.14	981036.91	0.00	-68.29	-178.33
6102	5497738.331	549769.210	49.63014886	-116.31081975	981.753	980664.13	981036.45	0.00	-69.36	-179.21
6103	5497686.794	550088.253	49.62965895	-116.30640872	980.442	980664.19	981036.41	0.00	-69.65	-179.36
6104	5497671.265	550198.195	49.62951015	-116.30488841	980.304	980664.26	981036.40	0.00	-69.61	-179.31
6105	5497612.788	550473.545	49.62896126	-116.30108336	979.787	980664.44	981036.35	0.00	-69.55	-179.18
6106	5497440.746	550791.946	49.62738723	-116.29669703	979.052	980664.80	981036.21	0.00	-69.27	-178.82
6107	5497276.030	550927.396	49.62589436	-116.29484303	978.864	980664.84	981036.07	0.00	-69.16	-178.69
6108	5497194.807	550589.552	49.62519225	-116.29953103	978.325	980664.55	981036.01	0.00	-69.55	-179.02
6109	5496918.493	550666.653	49.62270063	-116.29849925	977.497	980664.88	981035.79	0.04	-69.26	-178.59
6110	5496709.353	550788.359	49.62080941	-116.29684139	976.872	980665.17	981035.62	0.00	-68.98	-178.29
6111	5496317.998	550699.915	49.61729700	-116.29811634	976.232	980667.36	981035.31	0.00	-66.68	-175.92
6112	5496536.235	550722.984	49.61925788	-116.29776879	976.445	980665.97	981035.48	0.00	-68.18	-177.44
6113	5496374.518	550703.483	49.61780504	-116.29805964	976.265	980666.99	981035.35	0.00	-67.09	-176.33
6114	5496255.032	550875.245	49.61671594	-116.29569746	976.223	980667.00	981035.25	0.00	-66.99	-176.22
6115	5496277.442	550788.987	49.61692476	-116.29688858	977.437	980666.89	981035.27	0.02	-66.75	-176.10
6116	5496302.027	550734.279	49.61715047	-116.29764271	976.677	980667.21	981035.29	0.00	-66.68	-175.97
6117	5496293.719	551025.125	49.61705125	-116.29361769	975.645	980666.64	981035.28	0.00	-67.55	-176.73
6118	5496324.466	551173.140	49.61731527	-116.29156475	975.682	980666.44	981035.31	0.00	-67.78	-176.95
6119	5496314.245	551283.542	49.61721398	-116.29003782	975.654	980666.46	981035.30	0.00	-67.75	-176.92
6120	5496055.446	551563.666	49.61486250	-116.28619414	975.487	980668.30	981035.09	0.00	-65.75	-174.90
6121	5495938.367	551623.956	49.61380436	-116.28537499	975.016	980669.67	981034.99	0.00	64.43	-173.53
6122	5495773.487	551680.977	49.61231656	-116.28460743	974.609	980672.16	981034.86	0.00	61.94	-170.99
6123	5495751.378	551889.606	49.61209983	-116.28172265	973.675	980672.84	981034.84	0.00	61.52	-170.47
6124	5495855.417	552064.798	49.61302048	-116.27928398	973.608	980671.08	981034.92	0.00	-63.39	-172.34
6125	5496011.688	552535.107	49.61438526	-116.27275328	972.599	980668.69	981035.04	0.00	-66.21	-175.04

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Partial Bouguer Anomaly Gravity Data Listing

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Density 2.67

Stn	NAD 83 Northing	NAD 83 Easting	NAD 83 Latitude	NAD 83 Longitude	CGVD28 Elev	Observed G	Theoretical Gravity	Terrain to 170m	Free Air Anomaly	Bouguer Anomaly
6126	5496094.155	553092.147	49.61507826	-116.26503164	971.616	980668.36	981035.11	0.01	-66.91	-175.62
6127	5496333.604	553364.454	49.61720785	-116.26122981	971.633	980668.39	981035.30	0.04	-67.06	-175.74
6128	5496160.842	553600.400	49.61563315	-116.25798728	971.313	980669.12	981035.16	0.00	-66.29	-174.98
6129	5495431.029	555255.162	49.60892024	-116.23518456	971.256	980671.84	981034.56	0.01	-62.99	-171.65
6201	5496608.417	551790.717	49.61981647	-116.28297832	977.819	980665.87	981035.53	0.00	-67.91	-177.32
6202	5496722.103	551896.157	49.62082991	-116.28150363	976.914	980666.16	981035.62	0.00	-67.99	-177.30
6203	5496848.933	552020.832	49.62195988	-116.27976084	976.787	980666.19	981035.72	0.00	-68.10	-177.40
6204	5497001.116	552173.984	49.62331539	-116.27762036	977.273	980666.26	981035.84	0.00	-68.00	-177.35
6205	5497105.046	552290.981	49.62424001	-116.27598676	976.641	980666.53	981035.93	0.55	-68.00	-176.73
6206	5497206.286	551840.783	49.62518938	-116.28220623	978.011	980666.62	981036.01	0.44	-67.58	-176.58
6207	5497012.577	551721.599	49.62345739	-116.28388187	977.915	980666.23	981035.86	0.00	-67.85	-177.27
6208	5496844.109	551561.161	49.62195591	-116.28612519	978.373	980665.70	981035.72	0.00	-68.10	-177.57
6209	5496789.554	551504.706	49.62147007	-116.28691393	978.773	980665.55	981035.68	0.01	-68.08	-177.59
6210	5496684.405	551402.731	49.62053305	-116.28833944	978.374	980665.41	981035.59	0.00	-68.26	-177.74
6211	5496526.049	551237.249	49.61912286	-116.29065099	978.538	980665.22	981035.47	0.00	-68.27	-177.76
6212	5496358.997	551075.824	49.61763408	-116.29290738	976.890	980665.90	981035.34	0.00	-67.97	-177.28
6213	5496417.255	551316.531	49.61813764	-116.28956770	977.040	980665.71	981035.38	0.00	-68.16	-177.49
6214	5496398.520	551530.987	49.61795089	-116.28660144	977.825	980665.99	981035.36	0.00	-67.61	-177.03
6215	5496287.476	551471.029	49.61695727	-116.28744599	976.498	980666.31	981035.27	0.00	-67.62	-176.88
6216	5496555.887	551735.743	49.61934873	-116.28374627	977.298	980665.86	981035.49	0.00	-68.03	-177.39
6217	5496482.089	551861.668	49.61867419	-116.28201281	977.251	980665.95	981035.43	0.00	-67.89	-177.25
6301	5496713.536	550818.565	49.62084448	-116.29642267	979.267	980664.86	981035.62	0.00	-68.56	-178.14
6302	5496828.151	550970.299	49.62186254	-116.29430721	979.074	980664.80	981035.71	0.00	-68.77	-178.33
6303	5496978.780	551085.310	49.62320757	-116.29269539	978.830	980664.90	981035.83	0.00	-68.86	-178.39
6304	5497132.954	551245.414	49.62458064	-116.29045870	979.090	980665.54	981035.96	0.00	-68.27	-177.83
6305	5497407.279	551495.133	49.62702667	-116.28696538	986.080	980665.41	981036.18	0.61	-66.46	-176.19
6306	5497971.360	550838.618	49.63215561	-116.29598205	985.815	980663.97	981036.63	0.00	-68.44	-178.75
6307	5497786.901	550685.541	49.63050946	-116.29812555	980.026	980664.96	981036.49	0.00	-69.09	-178.75

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Partial Bouguer Anomaly Gravity Data Listing

Instrumentation; Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Density 2.67

Stn	NAD 83 Northing	NAD 83 Easting	NAD 83 Latitude	NAD 83 Longitude	CGVD28 Elev	Observed G	Theoretical Gravity	Terrain to 170m	Free Air Anomaly	Bouguer Anomaly
6308	5497331.110	550625.063	49.62641517	-116.29902178	979.993	980664.58	981036.12	0.00	69.11	-178.77
6309	5497035.635	550411.707	49.62377553	-116.30201375	980.100	980664.74	981035.88	0.01	-68.69	-178.34
6310	5496885.602	550264.593	49.62243840	-116.30406972	979.963	980665.70	981035.76	0.00	67.64	-177.30
6311	5497068.877	550141.102	49.62409703	-116.30575594	979.486	980665.74	981035.91	0.00	67.91	-177.51
6312	5497354.456	550290.301	49.62665312	-116.30365371	981.341	980664.14	981036.14	0.00	69.16	-178.97
6313	5497602.727	550386.576	49.62887804	-116.30228884	981.404	980664.07	981036.34	0.00	69.41	-179.23
6401	5495814.075	551061.208	49.61273430	-116.29318060	982.288	980668.26	981034.90	0.48	-63.50	-172.94
6402	5495968.333	551198.617	49.61411006	-116.29125853	976.523	980668.62	981035.02	0.00	-65.04	-174.31
6403	5496188.930	551287.672	49.61608655	-116.28999703	977.049	980666.91	981035.20	0.00	-66.77	-176.10
6404	5496363.078	550329.938	49.61773339	-116.30323208	981.734	980668.74	981035.34	0.35	-63.64	-173.15
6405	5496515.322	550390.536	49.61909761	-116.30237368	977.890	980668.02	981035.47	0.00	-65.67	-175.09
6406	5496849.710	550556.530	49.62209122	-116.30003269	978.171	980665.05	981035.73	0.00	-68.82	-178.27
6407	5496718.592	550465.244	49.62091958	-116.30131333	978.271	980665.77	981035.63	0.00	-67.96	-177.43
6408	5496669.848	550407.966	49.62048596	-116.30211253	978.646	980666.29	981035.59	0.00	-67.29	-176.80
6409	5496606.961	550390.727	49.61992179	-116.30235926	978.163	980667.03	981035.54	0.00	66.65	-176.10
6410	5496861.861	550297.703	49.62222212	-116.30361438	978.889	980665.79	981035.75	0.00	-67.87	-177.41
6411	5496703.192	550263.753	49.62079788	-116.30410472	980.386	980666.72	981035.62	0.04	66.35	-176.02
6412	5496616.063	550210.731	49.62001865	-116.30484988	980.016	980667.98	981035.55	0.00	-65.14	-174.80
6413	5496494.863	550117.041	49.61893636	-116.30616238	981.895	980668.53	981035.45	0.41	-63.90	-173.37
6501	5496820.989	549539.138	49.62191721	-116.31412128	988.319	980667.30	981035.72	0.33	-63.42	-173.67
6502	5496957.278	549063.267	49.62318184	-116.32069226	994.515	980664.77	981035.83	0.04	-64.15	-175.40
6503	5497377.619	548692.921	49.62699237	-116.32576736	1001.647	980662.76	981036.17	0.00	64.31	-176.39
6504	5497580.460	548298.623	49.62884839	-116.33120170	996.164	980662.47	981036.34	0.06	-66.45	-177.87
6601	5493863.393	553512.128	49.59497791	-116.25952219	1129.444	980648.95	981033.31	0.25	-35.81	-161.95
6602	5493797.167	553783.385	49.59435821	-116.25577805	1171.990	980640.89	981033.25	0.46	-30.69	-161.37
6603	5493592.103	553780.366	49.59251415	-116.25584789	1225.341	980630.72	981033.09	0.58	-24.23	-160.76
6604	5493739.049	554214.769	49.59379697	-116.24981738	1276.856	980620.84	981033.20	1.02	-18.33	-160.18
6605	5493852.636	554524.292	49.59479073	-116.24551907	1308.379	980614.47	981033.29	1.35	-15.06	-160.11

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Partial Bouguer Anomaly Gravity Data Listing

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Density 2.67

Stn	NAD 83 Northing	NAD 83 Easting	NAD 83 Latitude	NAD 83 Longitude	CGVD28 Elev	Observed G	Theoretical Gravity	Terrain to 170m	Free Air Anomaly	Bouguer Anomaly
6606	5493437.546	554151.986	49.59109091	-116.25072758	1365.866	980603.77	981032.96	1.41	-7.68	-159.11
6607	5492980.952	553958.005	49.58700167	-116.25347404	1405.129	980596.00	981032.60	1.42	-2.97	-158.79
6608	5493057.276	554088.961	49.58767642	-116.25165188	1435.618	980590.54	981032.66	1.14	0.92	-158.58
6609	5492716.160	554007.959	49.58461569	-116.25281933	1467.615	980584.20	981032.38	1.07	4.72	-158.43
6610	5492296.449	553951.985	49.58084583	-116.25365123	1517.904	980574.04	981032.05	2.26	10.42	-157.17
6611	5491862.249	553883.268	49.57694678	-116.25466124	1562.411	980565.90	981031.70	1.76	16.37	-156.71
6612	5491584.771	553814.079	49.57445732	-116.25565616	1590.496	980560.71	981031.47	1.13	20.06	-156.78
6613	5491796.087	553963.418	49.57634458	-116.25356173	1618.389	980556.27	981031.64	1.74	24.06	-155.30
6614	5491533.743	553910.242	49.57398981	-116.25433316	1644.017	980551.10	981031.43	1.97	27.01	-154.98
6615	5490758.094	553645.595	49.56703717	-116.25809908	1721.858	980536.63	981030.81	0.56	37.19	-154.92
6616	5489662.516	545858.053	49.55782361	-116.36591831	1358.617	980595.00	981029.99	0.15	-15.72	-167.59
6617	5490299.743	546439.982	49.56351058	-116.35779732	1336.469	980598.80	981030.50	0.61	-19.26	-168.19
6618	5491199.189	547153.933	49.57154512	-116.34781724	1306.261	980604.50	981031.21	0.52	-23.61	-169.26
6619	5491957.896	548356.092	49.57827412	-116.33109818	1283.478	980607.94	981031.82	0.81	27.79	-170.60
6620	5492474.624	549102.512	49.58286148	-116.32070931	1253.643	980611.60	981032.23	1.05	33.76	-172.99
6621	5492862.122	549790.889	49.58629038	-116.31113787	1225.718	980618.16	981032.53	1.11	36.12	-172.16
6622	5493825.476	552220.902	49.59474980	-116.27739315	1133.936	980643.87	981033.29	0.84	39.48	-165.53
6623	5494130.666	553075.763	49.59742022	-116.26552380	1078.748	980657.63	981033.53	0.39	-42.99	-163.31

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Real Time Station Locations and Elevation Calculations

Instrumentation: Trimble RTK 4400 SSI Surveyor

Surveyed by: Quadra Surveys, September 1997

Name	Northing	Easting	Latitude		Longitude West			Elev	GSD95W	Corrected Elev	Network Adjustment	Adjusted Elev	
			dd	mm	ss.sssss	dd	mm						ss.sssss
897050	5497859.405	568123.346	49	37	46.00545	116	3	24.01501	957.998	-13.89	957.998	0.000	957.998
-230	5497901.739	567214.565	49	37	47.74272	116	4	9.28578	981.974	-13.86	981.944	0.202	982.146
-230	5497901.739	567214.565	49	37	47.74272	116	4	9.28578	981.974	-13.86	981.944	0.202	982.146
4001	5498302.368	567316.935	49	38	0.67256	116	4	3.93567	996.125	-13.86	996.125	0.202	996.327
4002	5498672.268	567237.652	49	38	12.68038	116	4	7.65937	1008.35	-13.86	1008.350	0.202	1008.552
-236	5498904.029	549704.774	49	38	26.29831	116	18	41.63105	1025.461	-13.64	1025.241	0	1025.241
6101	5498307	549447.032	49	38	7.04372	116	18	54.75264	983.626	-13.64	983.406	0	983.406
6102	5497738.331	549769.21	49	37	48.53589	116	18	38.95111	981.973	-13.64	981.753	0	981.753
6103	5497686.794	550088.253	49	37	46.77222	116	18	23.07138	980.662	-13.64	980.442	0	980.442
6104	5497671.265	550198.195	49	37	46.23654	116	18	17.59829	980.524	-13.64	980.304	0	980.304
6105	5497612.788	550473.545	49	37	44.26054	116	18	3.90011	980.017	-13.63	979.787	0	979.787
6106	5497440.746	550791.946	49	37	38.59401	116	17	48.10932	979.282	-13.63	979.052	0	979.052
6107	5497276.03	550927.396	49	37	33.2197	116	17	41.43489	979.094	-13.63	978.864	0	978.864
6108	5497194.807	550589.552	49	37	30.6921	116	17	58.31172	978.555	-13.63	978.325	0	978.325
6109	5496918.493	550666.653	49	37	21.72226	116	17	54.59731	977.727	-13.63	977.497	0	977.497
6110	5496709.353	550788.359	49	37	14.91386	116	17	48.629	977.102	-13.63	976.872	0	976.872
6111	5496317.998	550699.915	49	37	2.2692	116	17	53.21881	976.462	-13.63	976.232	0	976.232
6112	5496536.235	550722.984	49	37	9.32837	116	17	51.96766	976.675	-13.63	976.445	0	976.445
6113	5496374.518	550703.483	49	37	4.09813	116	17	53.01472	976.495	-13.63	976.265	0	976.265
6114	5496255.032	550875.245	49	37	0.1774	116	17	44.51084	976.453	-13.63	976.223	0	976.223
6115	5496277.442	550788.987	49	37	0.92912	116	17	48.7989	977.667	-13.63	977.437	0	977.437
6116	5496302.027	550734.279	49	37	1.7417	116	17	51.51374	976.907	-13.63	976.677	0	976.677
6117	5496293.719	551025.125	49	37	1.38449	116	17	37.02367	975.875	-13.63	975.645	0	975.645
6118	5496324.466	551173.14	49	37	2.33497	116	17	29.6331	975.912	-13.63	975.682	0	975.682
6119	5496314.245	551283.542	49	37	1.97032	116	17	24.13614	975.884	-13.63	975.654	0	975.654

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Real Time Station Locations and Elevation Calculations

Instrumentation: Trimble RTK 4400 SSI Surveyor

Surveyed by: Quadra Surveys, September 1997

Name	Northing	Easting	Latitude		Longitude West			Elev	GSD95W	Corrected Elev	Network Adjustment	Adjusted Elev	
			dd	mm	ss.sssss	dd	mm						ss.sssss
6120	5496055.446	551563.666	49	36	53.50501	116	17	10.29889	975.727	-13.62	975.487	0	975.487
6121	5495938.367	551623.956	49	36	49.69568	116	17	7.34998	975.256	-13.62	975.016	0	975.016
6122	5495773.487	551680.977	49	36	44.3396	116	17	4.58674	974.849	-13.62	974.609	0	974.609
6123	5495751.378	551889.606	49	36	43.55937	116	16	54.20155	973.915	-13.62	973.675	0	973.675
6124	5495855.417	552064.798	49	36	46.87372	116	16	45.42231	973.848	-13.62	973.608	0	973.608
6125	5496011.688	552535.107	49	36	51.78692	116	16	21.91182	972.839	-13.62	972.599	0	972.599
6126	5496094.155	553092.147	49	36	54.28173	116	15	54.11391	971.856	-13.62	971.616	0	971.616
6127	5496333.604	553364.454	49	37	1.94825	116	15	40.42732	971.873	-13.62	971.633	0	971.633
6128	5496160.842	553600.4	49	36	56.27934	116	15	28.75422	971.553	-13.62	971.313	0	971.313
6129	5495431.029	555255.162	49	36	32.11285	116	14	6.66442	971.516	-13.6	971.256	0	971.256
-236	5498904.029	549704.774	49	38	26.29831	116	18	41.63105	1025.461	-13.64	1025.461	0	1025.461
-242	5497407.188	550864.31	49	37	37.48553	116	17	44.51805	980.686	-13.63	980.676	0	980.676
-242	5497407.188	550864.31	49	37	37.48553	116	17	44.51805	980.686	-13.63	980.686	-0.01	980.676
6201	5496608.417	551790.717	49	37	11.3393	116	16	58.72196	977.829	-13.63	977.819	-0.01	977.809
6202	5496722.103	551896.157	49	37	14.98767	116	16	53.41306	976.924	-13.63	976.914	0.01	976.904
6203	5496848.933	552020.832	49	37	19.05558	116	16	47.13902	976.797	-13.63	976.787	-0.01	976.777
6204	5497001.116	552173.984	49	37	23.93542	116	16	39.4333	977.283	-13.63	977.273	-0.01	977.263
6205	5497105.046	552290.981	49	37	27.26405	116	16	33.55232	976.651	-13.63	976.641	-0.01	976.631
6206	5497206.286	551840.783	49	37	30.68176	116	16	55.94243	978.021	-13.63	978.011	-0.01	978.001
6207	5497012.577	551721.599	49	37	24.44659	116	17	1.97473	977.925	-13.63	977.915	-0.01	977.905
6208	5496844.109	551561.161	49	37	19.04129	116	17	10.05069	978.383	-13.63	978.373	-0.01	978.363
6209	5496789.554	551504.706	49	37	17.29225	116	17	12.89013	978.783	-13.63	978.773	-0.01	978.763
6210	5496684.405	551402.731	49	37	13.91898	116	17	18.02198	978.384	-13.63	978.374	-0.01	978.364
6211	5496526.049	551237.249	49	37	8.84231	116	17	26.34357	978.548	-13.63	978.538	-0.01	978.528
6212	5496358.997	551075.824	49	37	3.48267	116	17	34.46657	976.9	-13.63	976.890	-0.01	976.880
6213	5496417.255	551316.531	49	37	5.29551	116	17	22.44371	977.05	-13.63	977.040	-0.01	977.030

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Real Time Station Locations and Elevation Calculations

Instrumentation: Trimble RTK 4400 SSI Surveyor

Surveyed by: Quadra Surveys, September 1997

Name	Northing	Easting	Latitude		Longitude West				Elev	GSD95W	Corrected Elev	Network Adjustment	Adjusted Elev
			dd	mm	ss.sssss	dd	mm	ss.sssss					
6214	5496398.52	551530.987	49	37	4.6232	116	17	11.76519	977.835	-13.63	977.825	-0.01	977.815
6215	5496287.476	551471.029	49	37	1.04618	116	17	14.80557	976.508	-13.63	976.498	-0.01	976.488
6216	5496555.887	551735.743	49	37	9.65543	116	17	1.48656	977.308	-13.63	977.298	-0.01	977.288
6217	5496482.089	551861.668	49	37	7.2271	116	16	55.24611	977.261	-13.63	977.251	-0.01	977.241
-242	5497407.188	550864.31	49	37	37.48552	116	17	44.51807	980.676	-13.63	980.676	0	980.676
6301	5496713.536	550818.565	49	37	15.04013	116	17	47.12162	979.267	-13.63	979.267	0	979.267
6302	5496828.151	550970.299	49	37	18.70515	116	17	39.50596	979.074	-13.63	979.074	0	979.074
6303	5496978.78	551085.31	49	37	23.54726	116	17	33.70339	978.83	-13.63	978.830	0	978.830
6304	5497132.954	551245.414	49	37	28.49031	116	17	25.65133	979.09	-13.63	979.090	0	979.090
6305	5497407.279	551495.133	49	37	37.296	116	17	13.07536	986.08	-13.63	986.080	0	986.080
6306	5497971.36	550838.618	49	37	55.76021	116	17	45.53538	985.815	-13.63	985.815	0	985.815
6307	5497786.901	550685.541	49	37	49.83406	116	17	53.25197	980.026	-13.63	980.026	0	980.026
6308	5497331.11	550625.063	49	37	35.09462	116	17	56.47842	979.993	-13.63	979.993	0	979.993
6309	5497035.635	550411.707	49	37	25.5919	116	18	7.2495	980.1	-13.63	980.100	0	980.100
6310	5496885.602	550264.593	49	37	20.77825	116	18	14.65099	979.963	-13.63	979.963	0	979.963
6311	5497068.877	550141.102	49	37	26.74931	116	18	20.72138	979.486	-13.63	979.486	0	979.486
6312	5497354.456	550290.301	49	37	35.95124	116	18	13.15335	981.341	-13.63	981.341	0	981.341
6313	5497602.727	550386.576	49	37	43.96093	116	18	8.23983	981.404	-13.63	981.404	0	981.404
-242	5497407.188	550864.31	49	37	37.48552	116	17	44.51807	980.676	-13.63	980.676	0	980.676
6401	5495814.075	551061.208	49	36	45.84347	116	17	35.45015	982.298	-13.62	982.288	0	982.288
6402	5495968.333	551198.617	49	36	50.79623	116	17	28.5307	976.523	-13.63	976.523	0	976.523
6403	5496188.93	551287.672	49	36	57.91157	116	17	23.9893	977.049	-13.63	977.049	0	977.049
6404	5496363.078	550329.938	49	37	3.8402	116	18	11.63547	981.734	-13.63	981.734	0	981.734
6405	5496515.322	550390.536	49	37	8.7514	116	18	8.54523	977.89	-13.63	977.890	0	977.890
6406	5496849.71	550556.53	49	37	19.5284	116	18	0.1177	978.171	-13.63	978.171	0	978.171
6407	5496718.592	550465.244	49	37	15.3105	116	18	4.72798	978.271	-13.63	978.271	0	978.271



# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Real Time Station Locations and Elevation Calculations

Instrumentation; Trimble RTK 4400 SSI Surveyor

Surveyed by: Quadra Surveys, September 1997

Name	Northing	Easting	Latitude		Longitude West			Elev	GSD95W	Corrected Elev	Network Adjustment	Adjusted Elev	
			dd	mm	ss.sssss	dd	mm						ss.sssss
6408	5496669.848	550407.966	49	37	13.74947	116	18	7.60512	978.646	-13.63	978.646	0	978.646
6409	5496606.961	550390.727	49	37	11.71846	116	18	8.49335	978.163	-13.63	978.163	0	978.163
6410	5496861.861	550297.703	49	37	19.99962	116	18	13.01176	978.889	-13.63	978.889	0	978.889
6411	5496703.192	550263.753	49	37	14.87235	116	18	14.77698	980.386	-13.63	980.386	0	980.386
6412	5496616.063	550210.731	49	37	12.06715	116	18	17.45956	980.016	-13.63	980.016	0	980.016
6413	5496494.863	550117.041	49	37	8.17089	116	18	22.18455	981.895	-13.63	981.895	0	981.895
-242	5497407.188	550864.31	49	37	37.48552	116	17	44.51807	980.676	-13.63	980.676	0	980.676
-236	5498904.047	549704.792	49	38	26.29887	116	18	41.63016	1025.477	-13.64	1025.487	0	1025.487
-235	5496946.692	552835.31	49	37	21.96632	116	16	6.49931	976.354	-13.62	976.344	0	976.344
6501	5496820.989	549539.138	49	37	18.90194	116	18	50.83661	988.309	-13.64	988.319	0	988.319
6502	5496957.278	549063.267	49	37	23.45462	116	19	14.49215	994.505	-13.64	994.515	0	994.515
6503	5497377.619	548692.921	49	37	37.17253	116	19	32.76251	1001.637	-13.64	1001.647	0	1001.647
6504	5497580.46	548298.623	49	37	43.8542	116	19	52.32611	996.144	-13.65	996.164	0	996.164
-232	5495378.881	561272.441	49	36	28.33571	116	9	6.8888	995.359	-13.67	995.359	0	995.359
-243	5494392.238	553769.703	49	35	58.96122	116	15	21.18936	1076.126	-13.61	1076.066	0	1076.066
-243	5494392.238	553769.703	49	35	58.96122	116	15	21.18936	1076.126	-13.61	1076.126	-0.06	1076.066
6601	5493863.393	553512.128	49	35	41.92048	116	15	34.2799	1129.514	-13.6	1129.504	-0.06	1129.444
6602	5493797.167	553783.385	49	35	39.68954	116	15	20.80099	1172.06	-13.6	1172.050	0.06	1171.990
6603	5493592.103	553780.366	49	35	33.05093	116	15	21.0524	1225.411	-13.6	1225.401	-0.06	1225.341
6604	5493739.049	554214.769	49	35	37.6691	116	14	59.34257	1276.936	-13.59	1276.916	-0.06	1276.856
6605	5493852.636	554524.292	49	35	41.24661	116	14	43.86864	1308.459	-13.59	1308.439	-0.06	1308.379
6606	5493437.546	554151.986	49	35	27.92726	116	15	2.6193	1365.936	-13.6	1365.926	-0.06	1365.866
6607	5492980.952	553958.005	49	35	13.20602	116	15	12.50653	1405.209	-13.59	1405.189	-0.06	1405.129
6608	5493057.276	554088.961	49	35	15.63511	116	15	5.94675	1435.698	-13.59	1435.678	-0.06	1435.618

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Real Time Station Locations and Elevation Calculations

Instrumentation: Trimble RTK 4400 SSI Surveyor

Surveyed by: Quadra Surveys, September 1997

Name	Northing	Easting	Latitude		Longitude West			Elev	GSD95W	Corrected Elev	Network Adjustment	Adjusted Elev	
			dd	mm	ss.sssss	dd	mm						ss.sssss
6609	5492716.16	554007.959	49	35	4.61647	116	15	10.1496	1467.695	-13.59	1467.675	-0.06	1467.615
6610	5492296.449	553951.985	49	34	51.04497	116	15	13.14443	1518.034	-13.54	1517.964	-0.06	1517.904
6611	5491862.249	553883.268	49	34	37.00842	116	15	16.78045	1562.551	-13.53	1562.471	-0.06	1562.411
6612	5491584.771	553814.079	49	34	28.04635	116	15	20.36217	1590.636	-13.53	1590.556	-0.06	1590.496
6613	5491796.087	553963.418	49	34	34.84048	116	15	12.82224	1618.529	-13.53	1618.449	-0.06	1618.389
6614	5491533.743	553910.242	49	34	26.36333	116	15	15.59938	1644.157	-13.53	1644.077	-0.06	1644.017
6615	5490758.094	553645.595	49	34	1.33382	116	15	29.15669	1722.008	-13.52	1721.918	0.06	1721.858
-244	5489198.169	545523.332	49	33	13.22079	116	22	14.15961	1438.327	-13.54	1438.257	-0.06	1438.197
6616	5489662.516	545858.053	49	33	28.16498	116	21	57.30591	1358.747	-13.54	1358.677	-0.06	1358.617
6617	5490299.743	546439.982	49	33	48.63807	116	21	28.07034	1336.599	-13.54	1336.529	-0.06	1336.469
6618	5491199.189	547153.933	49	34	17.56243	116	20	52.14205	1306.391	-13.54	1306.321	-0.06	1306.261
6619	5491957.896	548356.092	49	34	41.78682	116	19	51.95344	1283.608	-13.54	1283.538	-0.06	1283.478
6620	5492474.624	549102.512	49	34	58.30134	116	19	14.55353	1253.773	-13.54	1253.703	-0.06	1253.643
6621	5492862.122	549790.889	49	35	10.64537	116	18	40.09634	1225.788	-13.6	1225.778	0.06	1225.718
6622	5493825.476	552220.902	49	35	41.09929	116	16	38.61534	1133.996	-13.61	1133.996	0.06	1133.936
6623	5494130.666	553075.763	49	35	50.71279	116	15	55.88569	1078.808	-13.61	1078.808	0.06	1078.748

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

Observed Gravity Values - Elevation Reduced from Gravity Value

Instrumentation: Scintrex CG3 Gravity Meter No. 10345

Surveyed by: Quadra Surveys, September 1997

SCINTREX V5.0    AUTOGRAV / Field Mode    R4.4  
 Ser No: 10345.  
 Line: 905. Grid: 0. Job: 1. Date: 97/09/05 Operator: 777.  
 GREF.: 0. mGals    Tilt x sensit.: 271.4  
 GCAL.1: 5861.733    Tilt y sensit.: 287.4  
 GCAL.2: 0    Deg. Latitude: 49.5  
 TEMPCO.: -0.1355 mGal/mK    Deg. Longitude: 115.7  
 Drift const.: 0.17    GMT Difference: 6.hr  
 Drift Correction Start Time: 23:33:43    Cal. after x samples: 12  
 Date: 97/07/15    On-Line Tilt Corrected = ""

Station	Grav.	SD	Tilt x	Tilt y	Temp.	E.T.C.	Dur	# Rej	Time
-101	4206.532 *		0	1	8	-0.4	-0.1	60	3 8:32:57
-236	4179.618 *		0	3	-7	-0.4	-0.1	60	0 9:36:50
6101	4183.585 *		0.1	13	4	-0.5	-0	60	1 11:36:46
6102	4182.589 *		0	-8	7	-0.5	-0	60	0 11:56:09
6103	4182.679 *		0.1	-3	22	-0.5	-0	60	2 12:06:38
6104	4182.707 *		0	-17	15	-0.6	-0	60	1 12:43:26
6105	4182.892 *		0.1	6	5	-0.6	-0	60	0 12:52:15
6106	4183.28 *		0.1	4	-1	-0.5	-0	60	0 13:01:58
6107	4183.29 *		0	0	8	-0.5	-0	60	3 13:10:41
6108	4183 *		0	1	0	-0.5	-0	60	3 13:24:44
6109	4183.325 *		0	-13	18	-0.5	-0	60	2 13:36:51
6110	4183.631 *		0.1	5	8	-0.5	-0	60	2 13:42:46
6111	4185.799 *		0	11	4	-0.5	-0	60	1 13:50:02
6112	4184.427 *		0	-9	4	-0.5	-0	60	2 14:02:36
6113	4185.429 *		0.1	-9	16	-0.5	-0	60	0 14:10:11
6114	4185.46 *		0	0	9	-0.5	-0	60	0 14:18:15
6115	4185.361 *		0	9	3	-0.5	-0	60	1 14:25:28
6116	4185.651 *		0.1	6	21	-0.5	-0	60	0 14:31:24
6117	4185.096 *		0	0	15	-0.5	-0	60	0 14:49:01
6118	4184.903 *		0	33	5	-0.5	0	60	3 15:00:05
6119	4184.907 *		0	24	17	-0.5	0	60	2 15:09:56
6120	4186.75 *		0	-1	5	-0.6	0	60	1 15:21:51
6121	4188.145 *		0	0	16	-0.5	0	60	0 15:28:54
6122	4190.619 *		0	-4	9	-0.6	-0	60	1 15:52:41
6123	4191.32 *		0	-10	9	-0.5	-0	60	9 16:03:27
6124	4189.559 *		0	9	6	-0.6	-0	60	0 16:14:00
6125	4187.149 *		0	6	5	-0.5	-0	60	0 16:24:53
6126	4186.839 *		0	15	10	-0.5	-0	60	8 16:36:32
6127	4186.88 *		0	33	-5	-0.5	-0	60	3 16:50:33
6128	4187.638 *		0.1	8	-5	-0.5	-0	60	0 17:07:47
6129	4190.352 *		0.2	-28	19	-0.5	-0	60	0 17:43:52
-236	4179.646 *		0	-11	9	-0.5	-0.1	60	0 19:03:35

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

Observed Gravity Values - Elevation is relative to Gravity Meter

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

-101 4206.7 \* 0 -2 -11 -0.4 -0.1 60 0 20:20:52

SCINTREX V5.0 AUTOGRAV / Field Mode R4.4  
Ser No: 10345.

Line: 906. Grid: 0. Job: 1. Date: 97/09/06 Operator: 777.  
 GREF.: 0. mGals Tilt x sensit.: 271.4  
 GCAL.1: 5861.733 \* Tilt y sensit.: 287.4  
 GCAL.2: 0 Deg.Latitude: 49.5  
 TEMPCO.: -0.1355 mGal/mK Deg.Longitude: 115.7  
 Drift const.: 0.17 GMT Difference: 6.hr  
 Drift Correction Start Time: 23:33:43 Cal.after x samples: 12  
 Date: 97/07/15 On-Line Tilt Corrected = ""

Station	Grav.	SD.	Tilt x	Tilt y	Temp.	E.T.C.	Dur	# Rej	Time
-101	4206.64 *	0	3	-6	-0.4	-0	60	0	8:44:15
-236	4179.776 *	0	-16	11	-0.3	-0.1	60	0	9:57:30
-242	4183.003 *	0.1	-40	5	-0.4	-0.1	60	11	10:42:48
6201	4184.421 *	0	4	-16	-0.3	-0	60	0	11:47:48
6202	4184.654 *	0.1	19	24	-0.4	-0	60	0	12:07:06
6203	4184.67 *	0.1	-22	21	-0.4	-0	60	0	12:17:10
6204	4184.751 *	0.1	-17	11	-0.4	-0	60	0	12:26:22
6205	4185.004 *	0.1	4	4	-0.5	-0	60	4	12:36:26
6206	4185.108 *	0	5	29	-0.4	-0	60	0	13:01:32
6207	4184.707 *	0	-3	-3	-0.4	-0	60	0	13:16:02
6208	4184.179 *	0	-6	8	-0.4	-0	60	0	13:27:23
6209	4184.018 *	0	14	12	-0.4	-0	60	0	13:35:47
6210	4183.881 *	0	-1	18	-0.4	-0	60	1	13:48:29
6211	4183.713 *	0.3	-3	16	-0.4	-0	60	0	14:03:55
6212	4184.394 *	0.2	16	21	-0.4	-0	60	3	14:18:50
6213	4184.182 *	0	3	-8	-0.5	-0	60	0	15:06:22
6214	4184.484 *	0.1	19	23	-0.4	-0	60	0	15:31:15
6215	4184.81 *	0	-1	1	-0.4	-0	60	0	15:55:53
6216	4184.323 *	0	4	16	-0.4	-0	60	0	16:14:12
6201	4184.282 *	0	-3	0	-0.4	-0	60	0	16:25:17
6217	4184.417 *	0.1	0	9	-0.3	-0	60	2	16:33:42
-236	4179.633 *	0	0	18	-0.3	-0	60	0	16:56:22
-101	4206.585 *	0	-3	8	-0.3	-0	60	0	17:57:15

SCINTREX V5.0 AUTOGRAV / Field Mode R4.4  
Ser No: 10345.

Line: 907. Grid: 0. Job: 1. Date: 97/09/07 Operator: 777.  
 GREF.: 0. mGals Tilt x sensit.: 271.4  
 GCAL.1: 5861.733 Tilt y sensit.: 287.4

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

Observed Gravity Values - Electronic Notes from Gravity Meter

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

GCAL.2: 0 Deg.Latitude: 49.5  
 TEMPCO.: -0.1355 mGal/mK Deg.Longitude: 115.7  
 Drift const.: 0.17 GMT Difference: 6.hr  
 Drift Correction Start Time: 23:33:43 Cal.after x samples: 12  
 Date: 97/07/15 On-Line Tilt Corrected = ""

Station	Grav.	SD.	Tilt x	Tilt y	Temp.	E.T.C.	Dur	#	Rej	Time
-101	4206.613	*	0	8	4	-0.5	-0	60	0	9:15:31
-242	4183.158	*	0.1	-26	8	-0.5	-0	60	2	10:36:42
6301	4183.298	*	0.1	9	54	-0.5	-0	60	1	12:04:19
6302	4183.204	*	0.1	-17	25	-0.5	-0	60	7	12:20:54
6302	4183.282	*	0	2	3	-0.5	-0	60	1	12:29:06
6303	4183.346	*	0	17	11	-0.5	-0	60	3	12:40:31
6304	4183.954	*	0	28	15	-0.5	-0	60	3	12:53:20
6305	4183.821	*	0	4	6	-0.5	-0	60	1	13:07:29
6306	4182.393	*	0	13	-1	-0.5	-0	60	0	13:31:05
6307	4183.37	*	0.1	2	-2	-0.5	-0	60	9	13:51:51
-242	4183.105	*	0.1	-17	1	-0.5	-0	60	2	14:40:08
6308	4182.974	*	0	5	-7	-0.5	-0	60	2	15:14:17
6309	4183.119	*	0.1	11	21	-0.4	-0	60	0	15:49:44
6310	4184.093	*	0.1	15	15	-0.4	-0	60	4	16:15:51
6311	4184.116	*	0	15	0	-0.4	-0	60	2	16:36:01
6312	4182.524	*	0	0	0	-0.4	-0	60	0	16:49:20
6313	4182.43	*	0	5	2	-0.3	-0	60	2	17:25:49
-242	4183.082	*	0.1	-27	-2	-0.4	-0	60	13	18:02:15
-101	4206.472	*	0	-9	4	-0.4	-0.1	60	0	19:15:12

SCINTREX V5.0 AUTOGRAV / Field Mode R4.4

Ser No: 10345.

Line: 909. Grid: 0. Job: 1. Date: 97/09/10 Operator: 777.

REF.: 0. mGals Tilt x sensit.: 271.4  
 GCAL.1: 5861.733 Tilt y sensit.: 287.4  
 GCAL.2: 0. Deg.Latitude: 49.5  
 TEMPCO.: -0.1355 mGal/mK Deg.Longitude: 115.7  
 Drift const.: 0.17 GMT Difference: 6.hr  
 Drift Correction Start Time: 23:33:43 Cal.after x samples: 12  
 Date: 97/07/15 On-Line Tilt Corrected = ""

Station	Grav.	SD.	Tilt x	Tilt y	Temp.	E.T.C.	Dur	#	Rej	Time
-101	4206.689	*	0	-6	4	-0.5	0	60	0	8:02:46
-236	4179.753	*	0	-2	8	-0.3	0	60	0	12:06:00
-242	4183.183	*	0	0	2	-0.3	-0	60	4	12:35:55
6401	4186.788	*	0	-6	-8	-0.3	-0	60	0	14:18:16
6402	4187.195	*	0.2	11	-6	-0.3	-0	60	0	14:45:52
6403	4185.513	*	0.1	-6	10	-0.2	-0.1	60	2	15:04:26

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

Observed Gravity Values - Elevation Corrections - Drift Corrections

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

6401	4186.907 *	0	-2	0	-0.2	-0.1	60	3	15:44:18
6404	4187.35 *	0	6	3	-0.2	-0.1	60	5	16:14:53
6405	4186.602 *	0	0	0	-0.3	-0.1	60	3	16:44:50
6406	4183.651 *	0	-11	17	-0.3	-0.1	60	0	17:15:09
6407	4184.354 *	0	4	16	-0.3	-0.1	60	1	17:30:42
6408	4184.884 *	0	25	-9	-0.3	-0.1	60	6	17:39:09
6409	4185.617 *	0	4	4	-0.3	-0.1	60	0	17:44:25
6410	4184.37 *	0	-7	13	-0.3	-0.1	60	7	18:07:20
6411	4185.298 *	0.1	16	1	-0.4	-0.1	60	4	18:28:47
6412	4186.587 *	0	3	-8	-0.4	-0.1	60	2	18:45:10
6413	4187.102 *	0	-14	18	-0.4	-0.1	60	8	19:00:11
6404	4187.304 *	0	0	3	-0.4	-0.1	60	3	19:08:56
-242	4183.151 *	0.2	-9	4	-0.3	-0.1	60	0	20:23:24
-101	4206.724 *	0	13	14	-0.4	-0.1	60	0	22:19:36

SCINTREX V5.0 AUTOGRAV / Field Mode R4.4

Ser No: 10345.

Line: 911. Grid: 0. Job: 1. Date: 97/09/11 Operator: 777.

GRAF.: 0. mGals Tilt x sensit.: 271.4

GCAL.1: 5861.733 Tilt y sensit.: 287.4

GCAL.2: 0. Deg.Latitude: 49.5

TEMPCO.: -0.1355 mGal/mK Deg.Longitude: 115.7

Drift const.: 0.17 GMT Difference: 6.hr

Drift Correction Start Time: 23:33:43 Cal.after x samples: 12

Date: 97/07/15 On-Line Tilt Corrected = ""

Station	Grav.	SD.	Tilt x	Tilt y	Temp.	E.T.C.	Dur	# Rej	Time
-101	4206.731 *	0	-5	-6	-0.4	0.1	60	1	8:23:04
-242	4183.233 *	0.4	-26	11	-0.4	0.1	60	0	9:32:12
-236	4179.796 *	0	-4	8	-0.3	0.1	60	3	9:57:05
-235	4184.489 *	0	-2	5	-0.3	0.1	60	8	10:16:59
5901	4186.994 *	0	0	13	-0.1	0	60	0	11:39:38
6501	4185.904 *	0	2	-5	-0.3	0	60	0	11:55:04
6502	4183.374 *	0	-1	16	-0.3	0	60	1	12:08:50
6503	4181.359 *	0	3	7	-0.3	0	60	0	12:23:31
6504	4181.097 *	0	153	-8	-0.3	0	60	10	12:39:24
6504	4181.064 *	0	3	-1	-0.3	0	60	0	12:41:19
6505	4179.857 *	0	-4	4	-0.4	0	60	4	12:53:09
-242	4183.242 *	0.2	-17	-1	-0.3	-0	60	8	15:06:35
-101	4206.72 *	0	-1	1	-0.3	-0.1	60	0	16:52:33

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

Observed Gravity Values - Electronic Measurement, Gravity Station

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

SCINTREX V5.0 AUTOGRAV / Field Mode R4.4

Ser No: 10345.

Line: 912. Grid: 0. Job: 1. Date: 97/09/12 Operator: 777.  
 GREF: 0. mGals Tilt x sensit.: 271.4  
 GCAL 1: 5861.733 Tilt y sensit.: 287.4  
 GCAL 2: 0. Deg.Latitude: 49.5  
 TEMPCO.: -0.1355 mGal/mK Deg.Longitude: 115.7  
 Drift const.: 0.17 GMT Difference: 6.hr  
 Drift Correction Start Time: 23:33:43 Cal.after x samples: 12  
 Date: 97/07/15 On-Line Tilt Corrected = ""

Station	Grav.	SD	Tilt x	Tilt y	Temp.	E.T.C.	Dur	# Rej	Time
-101	4206.789	*	0	-12	-14	-0.2	0	60	3 8:26:37
-232	4191.495	*	0	-4	2	-0.2	0.1	60	0 9:08:07
-243	4178.904	*	0.1	-25	4	-0.2	0.1	60	3 9:41:14
6601	4167.6	*	0	-20	12	-0.1	0.1	60	10 10:56:27
6602	4159.548	*	0.1	-6	7	-0.1	0.1	60	2 11:07:31
6603	4149.378	*	0	13	6	-0.3	0.1	60	0 11:16:12
6604	4139.506	*	0	64	78	-0.3	0.1	60	2 11:24:36
6605	4133.119	*	0	-1	9	-0.3	0.1	60	0 11:32:12
6606	4122.416	*	0	-11	1	-0.4	0.1	60	2 11:41:25
6607	4114.647	*	0	-35	41	-0.4	0.1	60	0 11:49:49
6608	4109.198	*	0	3	-1	-0.4	0.1	60	1 11:56:37
6609	4102.864	*	0	-5	16	-0.4	0.1	60	1 12:03:39
6610	4092.689	*	0	9	8	-0.4	0.1	60	0 12:11:14
6611	4084.554	*	0	96	-13	-0.4	0.1	60	4 12:20:05
6612	4079.363	*	0	0	1	-0.4	0	60	0 12:27:16
6613	4074.929	*	0	-2	-4	-0.5	0	60	7 12:40:10
6614	4069.746	*	0.4	12	3	-0.5	0	60	0 12:49:25
6615	4059.323	*	0	1	12	-0.5	0	60	0 13:04:52
6615	4055.286	*	0	6	15	-0.4	0	60	2 13:32:34
6605	4133.13	*	0	-5	4	-0.3	0	60	1 14:06:32
-244	4100.146	*	0	160	29	-0.1	-0.1	60	0 16:20:25
6616	4113.666	*	0	0	11	-0.3	-0.1	60	3 16:36:09
6617	4117.467	*	0	62	6	-0.3	-0.1	60	1 16:54:09
6618	4123.164	*	0	11	23	-0.2	-0.1	60	0 17:02:47
6619	4126.632	*	0	-2	11	-0.3	-0.1	60	7 17:11:35
6620	4130.255	*	0	3	28	-0.2	-0.1	60	4 17:18:53
6621	4136.821	*	0	16	27	-0.2	-0.1	60	2 17:28:26
6622	4162.531	*	0	3	20	-0.2	-0.1	60	0 17:40:24
6623	4176.307	*	0	-11	14	-0.2	-0.1	60	6 17:47:37
-243	4178.878	*	0.1	-15	-1	-0.3	-0.1	60	1 18:04:13
-101	4206.801	*	0	-1	6	-0.3	-0.1	60	0 19:12:25

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Observed Gravity Data Reduction and Calculations

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Station	Meter Reading mGal	Time	IH	IH Corr. mGal	Drift	Drift Corr. mGal	Base Shift	Observed Gravity	Notes
						-0.07			
-101	4206.532	8:32:57	0.54	4206.70	0.03	4206.73	976481.40	980688.13	-101
-236	4179.618	9:36:50	0.57	4179.79	0.00	4179.79	976481.40	980661.19	-236 Internal Loop Tie 0.03
6101	4183.585	11:36:46	0.53	4183.75	-0.01	4183.74	976481.40	980665.14	6101
6102	4182.589	11:56:09	0.48	4182.74	-0.01	4182.73	976481.40	980664.13	6102
6103	4182.679	12:06:38	0.4	4182.80	-0.01	4182.79	976481.40	980664.19	6103
6104	4182.707	12:43:26	0.54	4182.87	-0.01	4182.86	976481.40	980664.26	6104
6105	4182.892	12:52:15	0.52	4183.05	-0.01	4183.04	976481.40	980664.44	6105
6106	4183.28	13:01:58	0.43	4183.41	-0.01	4183.40	976481.40	980664.80	6106
6107	4183.29	13:10:41	0.52	4183.45	-0.01	4183.44	976481.40	980664.84	6107
6108	4183	13:24:44	0.53	4183.16	-0.01	4183.15	976481.40	980664.55	6108
6109	4183.325	13:36:51	0.54	4183.49	-0.01	4183.48	976481.40	980664.88	6109
6110	4183.631	13:42:46	0.51	4183.79	-0.01	4183.77	976481.40	980665.17	6110
6111	4185.799	13:50:02	0.56	4185.97	-0.02	4185.96	976481.40	980667.36	6111
6112	4184.427	14:02:36	0.52	4184.59	-0.02	4184.57	976481.40	980665.97	6112
6113	4185.429	14:10:11	0.57	4185.60	-0.02	4185.59	976481.40	980666.99	6113
6114	4185.46	14:18:15	0.52	4185.62	-0.02	4185.60	976481.40	980667.00	6114
6115	4185.361	14:25:28	0.46	4185.50	-0.02	4185.49	976481.40	980666.89	6115
6116	4185.651	14:31:24	0.57	4185.83	-0.02	4185.81	976481.40	980667.21	6116
6117	4185.096	14:49:01	0.54	4185.26	-0.02	4185.24	976481.40	980666.64	6117
6118	4184.903	15:00:05	0.49	4185.05	-0.02	4185.04	976481.40	980666.44	6118
6119	4184.907	15:09:56	0.56	4185.08	-0.02	4185.06	976481.40	980666.46	6119
6120	4186.75	15:21:51	0.56	4186.92	-0.02	4186.90	976481.40	980668.30	6120
6121	4188.145	15:28:54	0.48	4188.29	-0.02	4188.27	976481.40	980669.67	6121
6122	4190.619	15:52:41	0.52	4190.78	-0.02	4190.76	976481.40	980672.16	6122
6123	4191.32	16:03:27	0.46	4191.46	-0.02	4191.44	976481.40	980672.84	6123
6124	4189.559	16:14:00	0.45	4189.70	-0.02	4189.68	976481.40	980671.08	6124



# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Observed Gravity Data Reduction and Calculations

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Station	Meter Reading mGal	Time	IH	IH Corr. mGal	Drift	Drift Corr. mGal	Base Shift	Observed Gravity	Notes
6125	4187.149	16:24:53	0.53	4187.31	-0.02	4187.29	976481.40	980668.69	6125
6126	4186.839	16:36:32	0.47	4186.98	-0.02	4186.96	976481.40	980668.36	6126
6127	4186.88	16:50:33	0.44	4187.02	-0.02	4186.99	976481.40	980668.39	6127
6128	4187.638	17:07:47	0.33	4187.74	-0.02	4187.72	976481.40	980669.12	6128
6129	4190.352	17:43:52	0.37	4190.47	-0.03	4190.44	976481.40	980671.84	6129
-236	4179.646	19:03:35	0.57	4179.82	-0.03	4179.79	976481.40	980661.19	-236
-101	4206.7	20:20:52	0.54	4206.87	-0.14	4206.73	976481.40	980688.13	-101 Loop Tie 0.14
					0.16				
-101	4206.64	8:44:15	0.54	4206.81	0.00	4206.81	976481.32	980688.13	-101
-236	4179.776	9:57:30	0.56	4179.95	0.01	4179.96	976481.32	980661.28	-236
-242	4183.003	10:42:48	0.51	4183.16	0.01	4183.17	976481.32	980664.49	-242
6201	4184.421	11:47:48	0.56	4184.59	0.02	4184.61	976481.32	980665.93	6201
6202	4184.654	12:07:06	0.52	4184.81	0.02	4184.84	976481.32	980666.16	6202
6203	4184.67	12:17:10	0.56	4184.84	0.02	4184.87	976481.32	980666.19	6203
6204	4184.751	12:26:22	0.53	4184.91	0.02	4184.94	976481.32	980666.26	6204
6205	4185.004	12:36:26	0.59	4185.19	0.03	4185.21	976481.32	980666.53	6205
6206	4185.108	13:01:32	0.52	4185.27	0.03	4185.30	976481.32	980666.62	6206
6207	4184.707	13:16:02	0.55	4184.88	0.03	4184.91	976481.32	980666.23	6207
6208	4184.179	13:27:23	0.55	4184.35	0.03	4184.38	976481.32	980665.70	6208
6209	4184.018	13:35:47	0.59	4184.20	0.03	4184.23	976481.32	980665.55	6209
6210	4183.881	13:48:29	0.57	4184.06	0.03	4184.09	976481.32	980665.41	6210
6211	4183.713	14:03:55	0.5	4183.87	0.03	4183.90	976481.32	980665.22	6211
6212	4184.394	14:18:50	0.49	4184.55	0.04	4184.58	976481.32	980665.90	6212
6213	4184.182	15:06:22	0.53	4184.35	0.04	4184.39	976481.32	980665.71	6213
6214	4184.484	15:31:15	0.47	4184.63	0.04	4184.67	976481.32	980665.99	6214
6215	4184.81	15:55:53	0.43	4184.94	0.05	4184.99	976481.32	980666.31	6215
6216	4184.323	16:14:12	0.55	4184.49	0.05	4184.54	976481.32	980665.86	6216

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Observed Gravity Data Reduction and Calculations

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Station	Meter Reading mGal	Time	IH	IH Corr. mGal	Drift mGal	Drift Corr. mGal	Base Shift	Observed Gravity	Notes
6201	4184.282	16:25:17	0.55	4184.45	0.05	4184.50	976481.32	980665.82	6201
6217	4184.417	16:33:42	0.54	4184.58	0.05	4184.63	976481.32	980665.95	6217
-236	4179.633	16:56:22	0.56	4179.81	0.05	4179.86	976481.32	980661.18	-236
-101	4206.585	17:57:15	0.54	4206.75	0.06	4206.81	976481.32	980688.13	-101 Loop Tie -0.06
					0.34				
-101	4206.613	9:15:31	0.54	4206.78	0.00	4206.78	976481.35	980688.13	-101
-242	4183.158	10:36:42	0.54	4183.32	0.02	4183.34	976481.35	980664.69	-242
6301	4183.298	12:04:19	0.56	4183.47	0.04	4183.51	976481.35	980664.86	6301
6302	4183.204	12:20:54	0.55	4183.37	0.04	4183.42	976481.35	980664.77	6302
6302	4183.282	12:29:06	0.49	4183.43	0.05	4183.48	976481.35	980664.83	6302
6303	4183.346	12:40:31	0.52	4183.51	0.05	4183.55	976481.35	980664.90	6303
6304	4183.954	12:53:20	0.59	4184.14	0.05	4184.19	976481.35	980665.54	6304
6305	4183.821	13:07:29	0.61	4184.01	0.05	4184.06	976481.35	980665.41	6305
6306	4182.393	13:31:05	0.54	4182.56	0.06	4182.62	976481.35	980663.97	6306
6307	4183.37	13:51:51	0.56	4183.54	0.06	4183.61	976481.35	980664.96	6307
-242	4183.105	14:40:08	0.53	4183.27	0.08	4183.34	976481.35	980664.69	-242
6308	4182.974	15:14:17	0.56	4183.15	0.08	4183.23	976481.35	980664.58	6308
6309	4183.119	15:49:44	0.57	4183.29	0.09	4183.39	976481.35	980664.74	6309
6310	4184.093	16:15:51	0.53	4184.26	0.10	4184.35	976481.35	980665.70	6310
6311	4184.116	16:36:01	0.55	4184.29	0.10	4184.39	976481.35	980665.74	6311
6312	4182.524	16:49:20	0.53	4182.69	0.11	4182.79	976481.35	980664.14	6312
6313	4182.43	17:25:49	0.56	4182.60	0.11	4182.72	976481.35	980664.07	6313
-242	4183.082	18:02:15	0.53	4183.25	0.12	4183.37	976481.35	980664.72	-242
-101	4206.472	19:15:12	0.54	4206.64	0.14	4206.78	976481.35	980688.13	-101 Loop[ Tie 0.14
					-0.05				
-101	4206.689	8:02:46	0.54	4206.86	0.00	4206.86	976481.27	980688.13	-101

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Observed Gravity Data Reduction and Calculations

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Station	Meter Reading mGal	Time	IH	IH Corr. mGal	Drift mGal	Drift Corr. mGal	Base Shift	Observed Gravity	Notes
-236	4179.753	12:06:00	0.56	4179.93	-0.01	4179.92	976481.27	980661.19	-236
-242	4183.183	12:35:55	0.49	4183.33	-0.01	4183.32	976481.27	980664.59	-242
6401	4186.788	14:18:16	0.55	4186.96	-0.01	4186.94	976481.27	980668.21	6401
6402	4187.195	14:45:52	0.56	4187.37	-0.01	4187.35	976481.27	980668.62	6402
6403	4185.513	15:04:26	0.45	4185.65	-0.01	4185.64	976481.27	980666.91	6403
6401	4186.907	15:44:18	0.53	4187.07	-0.02	4187.05	976481.27	980668.32	6401
6404	4187.35	16:14:53	0.56	4187.52	-0.02	4187.51	976481.27	980668.78	6404
6405	4186.602	16:44:50	0.54	4186.77	-0.02	4186.75	976481.27	980668.02	6405
6406	4183.651	17:15:09	0.49	4183.80	-0.02	4183.78	976481.27	980665.05	6406
6407	4184.354	17:30:42	0.54	4184.52	-0.02	4184.50	976481.27	980665.77	6407
6408	4184.884	17:39:09	0.5	4185.04	-0.02	4185.02	976481.27	980666.29	6408
6409	4185.617	17:44:25	0.52	4185.78	-0.02	4185.76	976481.27	980667.03	6409
6410	4184.37	18:07:20	0.54	4184.54	-0.02	4184.52	976481.27	980665.79	6410
6411	4185.298	18:28:47	0.57	4185.47	-0.02	4185.45	976481.27	980666.72	6411
6412	4186.587	18:45:10	0.47	4186.73	-0.02	4186.71	976481.27	980667.98	6412
6413	4187.102	19:00:11	0.6	4187.29	-0.02	4187.26	976481.27	980668.53	6413
6404	4187.304	19:08:56	0.5	4187.46	-0.02	4187.43	976481.27	980668.70	6404
-242	4183.151	20:23:24	0.49	4183.30	-0.03	4183.28	976481.27	980664.55	-242
-101	4206.724	22:19:36	0.54	4206.89	-0.03	4206.86	976481.27	980688.13	-101 Loop Tie 0.03
-101	4206.731	8:23:04	0.54	4206.90	0.00	4206.90	976481.23	980688.13	-101
-242	4183.233	9:32:12	0.54	4183.40	0.00	4183.40	976481.23	980664.63	-242
-236	4179.796	9:57:05	0.58	4179.97	0.00	4179.97	976481.23	980661.20	-236
-235	4184.489	10:16:59	0.57	4184.66	0.00	4184.66	976481.23	980665.89	-235
5901	4186.994	11:39:38	0.57	4187.17	0.00	4187.17	976481.23	980668.40	5901
6501	4185.904	11:55:04	0.55	4186.07	0.00	4186.07	976481.23	980667.30	6501

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Observed Gravity Data Reduction and Calculations

Instrumentation; Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Station	Meter Reading mGal	Time	IH	IH Corr. mGal	Drift	Drift Corr. mGal	Base Shift	Observed Gravity	Notes
6502	4183.374	12:08:50	0.54	4183.54	0.00	4183.54	976481.23	980664.77	6502
6503	4181.359	12:23:31	0.54	4181.53	0.00	4181.53	976481.23	980662.76	6503
6504	4181.064	12:41:19	0.56	4181.24	0.00	4181.24	976481.23	980662.47	6504
6505	4179.857	12:53:09	0.53	4180.02	0.01	4180.03	976481.23	980661.26	6505
-242	4183.242	15:06:35	0.55	4183.41	0.01	4183.42	976481.23	980664.65	-242
-101	4206.72	16:52:33	0.54	4206.89	0.01	4206.90	976481.23	980688.13	-101 Loop Tie -0.01
-101	4206.789	8:26:37	0.54	4206.96	0.00	4206.96	976481.17	980688.13	-101
-232	4191.495	9:08:07	0.55	4191.66	0.00	4191.66	976481.17	980672.83	-232
-243	4178.904	9:41:14	0.57	4179.08	0.00	4179.08	976481.17	980660.25	-243
6601	4167.6	10:56:27	0.58	4167.78	0.00	4167.78	976481.17	980648.95	6601
6602	4159.548	11:07:31	0.56	4159.72	0.00	4159.72	976481.17	980640.89	6602
6603	4149.378	11:16:12	0.56	4149.55	0.00	4149.55	976481.17	980630.72	6603
6604	4139.506	11:24:36	0.53	4139.67	0.00	4139.67	976481.17	980620.84	6604
6605	4133.119	11:32:12	0.59	4133.30	0.00	4133.30	976481.17	980614.47	6605
6606	4122.416	11:41:25	0.6	4122.60	0.00	4122.60	976481.17	980603.77	6606
6607	4114.647	11:49:49	0.59	4114.83	0.00	4114.83	976481.17	980596.00	6607
6608	4109.198	11:56:37	0.56	4109.37	0.00	4109.37	976481.17	980590.54	6608
6609	4102.864	12:03:39	0.54	4103.03	0.00	4103.03	976481.17	980584.20	6609
6610	4092.689	12:11:14	0.59	4092.87	0.00	4092.87	976481.17	980574.04	6610
6611	4084.554	12:20:05	0.58	4084.73	0.00	4084.73	976481.17	980565.90	6611
6612	4079.363	12:27:16	0.57	4079.54	0.00	4079.54	976481.17	980560.71	6612
6613	4074.929	12:40:10	0.54	4075.10	0.00	4075.10	976481.17	980556.27	6613
6614	4069.746	12:49:25	0.6	4069.93	0.00	4069.93	976481.17	980551.10	6614
6615	4055.286	13:32:34	0.58	4055.46	0.00	4055.46	976481.17	980536.63	6615
6605	4133.13	14:06:32	0.57	4133.31	0.00	4133.31	976481.17	980614.48	6605

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Observed Gravity Data Reduction and Calculations

Instrumentation: Scintrex CG3 Gravity Meter No.10345

Surveyed by: Quadra Surveys, September 1997

Operator: Tam Mitchell

Station	Meter Reading mGal	Time	IH	IH Corr. mGal	Drift	Drift Corr. mGal	Base Shift	Observed Gravity	Notes
-244	4100.146	16:20:25	0.58	4100.32	-0.01	4100.31	976481.17	980581.48	-244
6616	4113.666	16:36:09	0.56	4113.84	-0.01	4113.83	976481.17	980595.00	6616
6617	4117.467	16:54:09	0.57	4117.64	-0.01	4117.63	976481.17	980598.80	6617
6618	4123.164	17:02:47	0.56	4123.34	-0.01	4123.33	976481.17	980604.50	6618
6619	4126.632	17:11:35	0.49	4126.78	-0.01	4126.77	976481.17	980607.94	6619
6620	4130.255	17:18:53	0.59	4130.44	-0.01	4130.43	976481.17	980611.60	6620
6621	4136.821	17:28:26	0.57	4137.00	-0.01	4136.99	976481.17	980618.16	6621
6622	4162.531	17:40:24	0.59	4162.71	-0.01	4162.70	976481.17	980643.87	6622
6623	4176.307	17:47:37	0.54	4176.47	-0.01	4176.46	976481.17	980657.63	6623
-243	4178.878	18:04:13	0.53	4179.04	-0.01	4179.03	976481.17	980660.20	-243
-101	4206.801	19:12:25	0.54	4206.97	-0.01	4206.96	976481.17	980688.13	-101 Loop Tie 0.01

#### Loop Ties

-236 Internal Loop Tie 0.03  
 -101 Loop Tie 0.01  
 -101 Loop Tie -0.01  
 -101 Loop Tie 0.03  
 -101 Loop Tie -0.06  
 -101 Loop Tie 0.14  
 -101 Loop Tie 0.14

#### Reread stns

6605 0.01  
 6302 0.06  
 6404 0.08  
 6201 0.11

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Inner Zone Terrain Corrections

Surveyed by Quadra Surveys

Stn	Inclinometer Readings in Deg to Terrain Correction Zc																Zone-B				Zone-C						Zone-D						B, C, & D		Stn		
	B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	Ter	Cor			
6101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6101	
6102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6102
6103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6103
6104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6104
6105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6105
6106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6106
6107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6107
6108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6108
6109	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.045	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	6109	
6110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6110
6111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6111
6112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6112
6113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6113
6114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6114
6115	0	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.004	.014	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002	6115	
6116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6116
6117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6117
6118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6118
6119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6119
6120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6120
6121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6121
6122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6122
6123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6123
6124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6124
6125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6125
6126	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.007	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	6126	
6127	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.045	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	6127	
6128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6128
6129	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.014	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	6129	
6201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6201

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Inner Zone Terrain Corrections

Surveyed by Quadra Surveys

Stn	Inclinometer Readings in Deg to Terrain Correction Zc																Zone-B				Zone-C						Zone-D						B, C, & D		Stn
	B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	Ter	Cor	
6202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6202	
6203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6203	
6204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6204	
6205	0	0	0	0	0	12	12	0	0	0	30	20	0	0	0	0	.000	.000	.000	.000	.000	.020	.020	.000	.000	.000	.346	.167	.000	.000	.000	.000	0.55	6205	
6206	0	0	0	0	12	0	0	0	0	0	25	20	0	0	0	0	.000	.000	.000	.000	.020	.000	.000	.000	.000	.000	.250	.167	.000	.000	.000	.000	0.44	6206	
6207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6207	
6208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6208	
6209	0	0	5	6	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.004	.006	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.01	6209	
6210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6210	
6211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6211	
6212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6212	
6213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6213	
6214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6214	
6215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6215	
6216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6216	
6217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6217	
6301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6301	
6302	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6302	
6303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6303	
6304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6304	
6305	0	0	0	6	0	20	23	0	0	0	24	25	0	0	0	0	.000	.000	.000	.006	.000	.052	.068	.000	.000	.000	.233	.250	.000	.000	.000	.000	0.61	6305	
6306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6306	
6307	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6307	
6308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6308	
6309	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.014	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.01	6309	
6310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6310	
6311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6311	
6312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6312	
6313	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6313	
-242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	242	

# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Inner Zone Terrain Corrections

Surveyed by Quadra Surveys

Stn	Inclinometer Readings in Deg to Terrain Correction Zc																Zone-B		Zone-C						Zone-D						B, C, & D		Stn	
	B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6		Ter
6401	15	0	15	0	0	15	15	10	9	0	20	20	0	0	0	0	.028	.000	.028	.000	.000	.031	.031	.014	.011	.000	.167	.167	.000	.000	.000	.000	0.48	6401
6402	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6402
6403	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6403
6404	0	0	0	0	10	15	0	0	0	0	0	20	18	0	0	0	.000	.000	.000	.000	.014	.031	.000	.000	.000	.000	.167	.137	.000	.000	.000	.000	0.35	6404
6405	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6405
6406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6406
6407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6407
6408	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6408
6409	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6409
6410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6410
6411	0	15	0	0	5	5	0	0	0	0	0	0	0	0	0	0	.000	.028	.000	.000	.004	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.04	6411
6412	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6412
6413	0	10	0	0	15	15	0	0	0	0	0	20	20	0	0	0	.000	.014	.000	.000	.031	.031	.000	.000	.000	.000	.167	.167	.000	.000	.000	.000	0.41	6413
6501	10	12	0	0	14	13	4	4	0	0	17	17	0	0	0	0	.014	.020	.000	.000	.027	.023	.002	.002	.000	.000	.123	.123	.000	.000	.000	.000	0.33	6501
6502	0	0	0	0	0	0	0	0	0	0	0	0	6	7	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.016	.022	.000	.000	0.04	6502
6503	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6503
6504	0	0	0	0	0	0	0	0	0	0	0	0	10	5	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.044	.011	.000	.000	0.06	6504
6505	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	0.00	6505
-243	0	0	0	0	0	6	5	0	0	0	6	5	0	0	0	0	.000	.000	.000	.000	.000	.005	.004	.000	.000	.000	.016	.011	.000	.000	.000	.000	0.04	-243
6601	6	6	5	0	0	10	7	5	8	0	0	10	10	12	10	0	.006	.006	.004	.000	.000	.014	.007	.004	.009	.000	.000	.044	.044	.063	.044	.000	0.25	6601
6602	0	10	10	0	0	15	14	0	13	13	0	14	15	0	13	13	.000	.014	.014	.000	.000	.031	.027	.000	.023	.023	.000	.085	.097	.000	.074	.074	0.46	6602
6603	8	12	6	15	0	18	15	0	12	15	0	18	15	0	12	15	.009	.020	.006	.028	.000	.043	.031	.000	.020	.031	.000	.137	.097	.000	.063	.097	0.58	6603
6604	0	15	0	14	0	22	20	20	20	0	25	20	0	20	20	0	.000	.028	.000	.025	.000	.063	.052	.052	.052	.000	.250	.167	.000	.167	.167	.000	1.02	6604
6605	0	0	0	0	0	20	22	0	25	25	27	27	25	25	0	0	.000	.000	.000	.000	.000	.052	.063	.000	.079	.079	.287	.287	.250	.250	.000	.000	1.35	6605
6606	0	33	0	0	24	25	25	26	0	0	24	25	25	26	0	0	.000	.093	.000	.000	.073	.079	.079	.085	.000	.000	.233	.250	.250	.268	.000	.000	1.41	6606
6607	23	18	0	0	20	20	28	31	0	0	0	20	20	28	31	0	.055	.038	.000	.000	.052	.052	.096	.115	.000	.000	.000	.167	.167	.306	.366	.000	1.42	6607
6608	0	17	0	7	25	27	0	15	15	0	0	25	27	20	20	0	.000	.035	.000	.007	.079	.090	.000	.031	.031	.000	.000	.250	.287	.167	.167	.000	1.14	6608
6609	0	0	15	0	0	20	18	0	20	20	20	18	0	0	27	25	.000	.000	.028	.000	.000	.052	.043	.000	.052	.052	.167	.137	.000	.000	.287	.250	1.07	6609
6610	0	40	20	0	0	33	30	0	33	34	33	30	33	34	0	0	.000	.121	.045	.000	.000	.128	.109	.000	.128	.135	.408	.346	.408	.430	.000	.000	2.26	6610
6611	0	25	0	20	0	32	32	0	22	30	28	28	0	33	23	0	.000	.062	.000	.045	.000	.122	.122	.000	.063	.109	.306	.306	.000	.408	.215	.000	1.76	6611



# ABITIBI MINING CORPORATION

## 1997 Clair Project Gravity Survey

### Inner Zone Terrain Corrections

Surveyed by Quadra Surveys

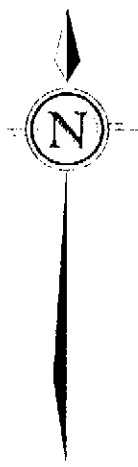
Stn	Inclinometer Readings in Deg to Terrain Correction Zc																Zone-B				Zone-C						Zone-D						B, C, & D		Stn
	B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	Ter	Cor	
6612	0	13	0	10	0	12	13	0	20	20	0	23	27	0	23	24	.000	.022	.000	.014	.000	.020	.023	.000	.052	.052	.000	.215	.287	.000	.215	.233	1.13	6612	
6613	0	5	5	0	0	22	23	0	35	35	0	22	23	0	35	35	.000	.004	.004	.000	.000	.063	.068	.000	.142	.142	.000	.199	.215	.000	.452	.452	1.74	6613	
6614	0	43	20	0	0	36	33	0	35	35	0	27	25	0	30	30	.000	.134	.045	.000	.000	.149	.128	.000	.142	.142	.000	.287	.250	.000	.346	.346	1.97	6614	
6615	0	15	0	0	0	12	15	0	8	10	0	20	23	0	8	10	.000	.028	.000	.000	.000	.020	.031	.000	.009	.014	.000	.167	.215	.000	.029	.044	0.56	6615	
-244	0	0	0	0	0	6	10	0	5	10	0	6	10	24	24	0	.000	.000	.000	.000	.000	.005	.014	.000	.004	.014	.000	.016	.044	.233	.233	.000	0.56	-244	
6616	0	10	0	0	5	10	4	0	0	0	10	10	5	6	0	0	.000	.014	.000	.000	.004	.014	.002	.000	.000	.000	.044	.044	.011	.016	.000	.000	0.15	6616	
6617	0	10	0	6	0	22	20	5	5	0	22	22	10	8	0	0	.000	.014	.000	.006	.000	.063	.052	.004	.004	.000	.199	.199	.044	.029	.000	.000	0.61	6617	
6618	0	0	0	5	0	20	15	5	5	0	0	20	20	0	10	10	.000	.000	.000	.004	.000	.052	.031	.004	.004	.000	.000	.167	.167	.000	.044	.044	0.52	6618	
6619	0	5	0	5	0	17	15	15	15	0	20	20	20	20	0	0	.000	.004	.000	.004	.000	.039	.031	.031	.031	.000	.167	.167	.167	.167	.000	.000	0.81	6619	
6620	0	5	25	0	0	20	20	0	20	22	0	22	22	0	20	22	.000	.004	.062	.000	.000	.052	.052	.000	.052	.063	.000	.199	.199	.000	.167	.199	1.05	6620	
6621	0	5	0	0	0	20	25	20	20	0	0	27	25	0	20	20	.000	.004	.000	.000	.000	.052	.079	.052	.052	.000	.000	.287	.250	.000	.167	.167	1.11	6621	
6622	0	7	0	15	0	12	17	0	20	20	0	20	18	0	20	20	.000	.007	.000	.028	.000	.020	.039	.000	.052	.052	.000	.167	.137	.000	.167	.167	0.84	6622	
6623	0	0	0	0	0	5	15	0	10	10	0	10	15	0	14	15	.000	.000	.000	.000	.000	.004	.031	.000	.014	.014	.000	.044	.097	.000	.085	.097	0.39	6623	

# APPENDIX III

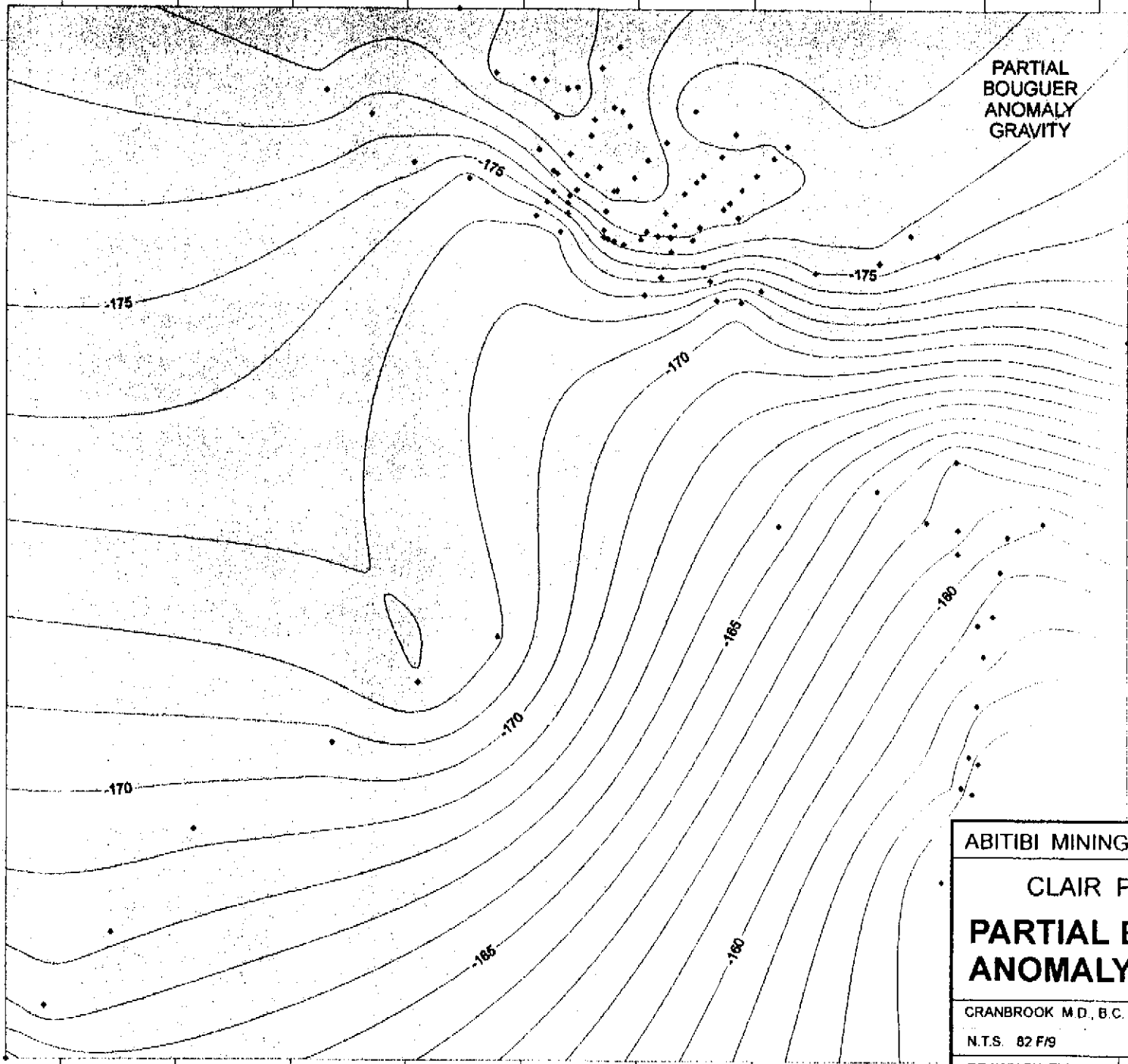
## Partial Bouguer Anomaly Plan Map



PARTIAL  
BOUGUER  
ANOMALY  
GRAVITY



5498000  
5497000  
5496000  
5495000  
5494000  
5493000  
5492000  
5491000  
5490000

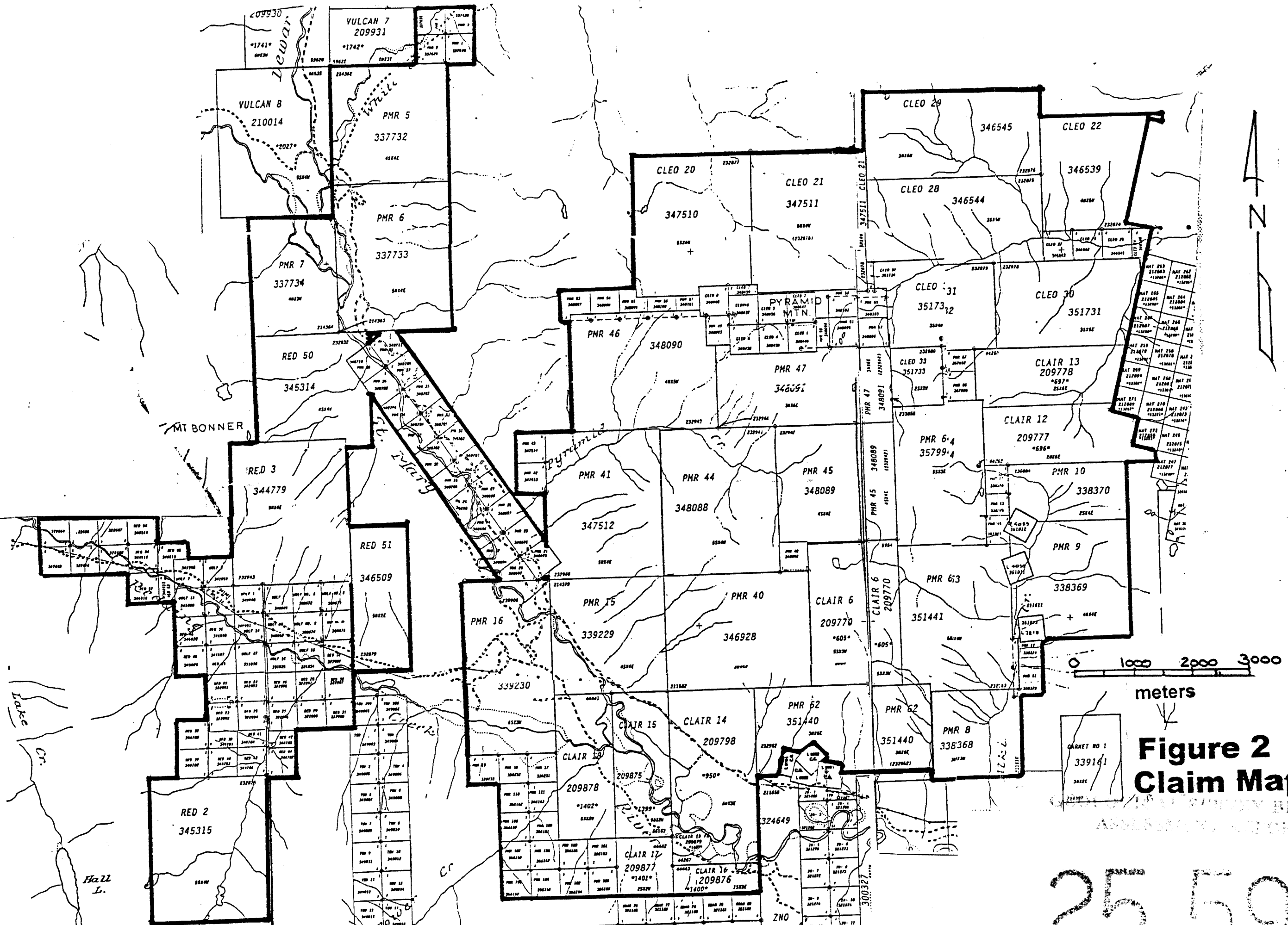


ABITIBI MINING CORPORATION	
CLAIR PROJECT	
<b>PARTIAL BOUGUER ANOMALY GRAVITY</b>	
CRANBROOK M.D., B.C.	
N.T.S. 82 F/9	
DRAWN BY: TLM	DATE: NOVEMBER 1997
SCALE 1:50,000	FIGURE: 8



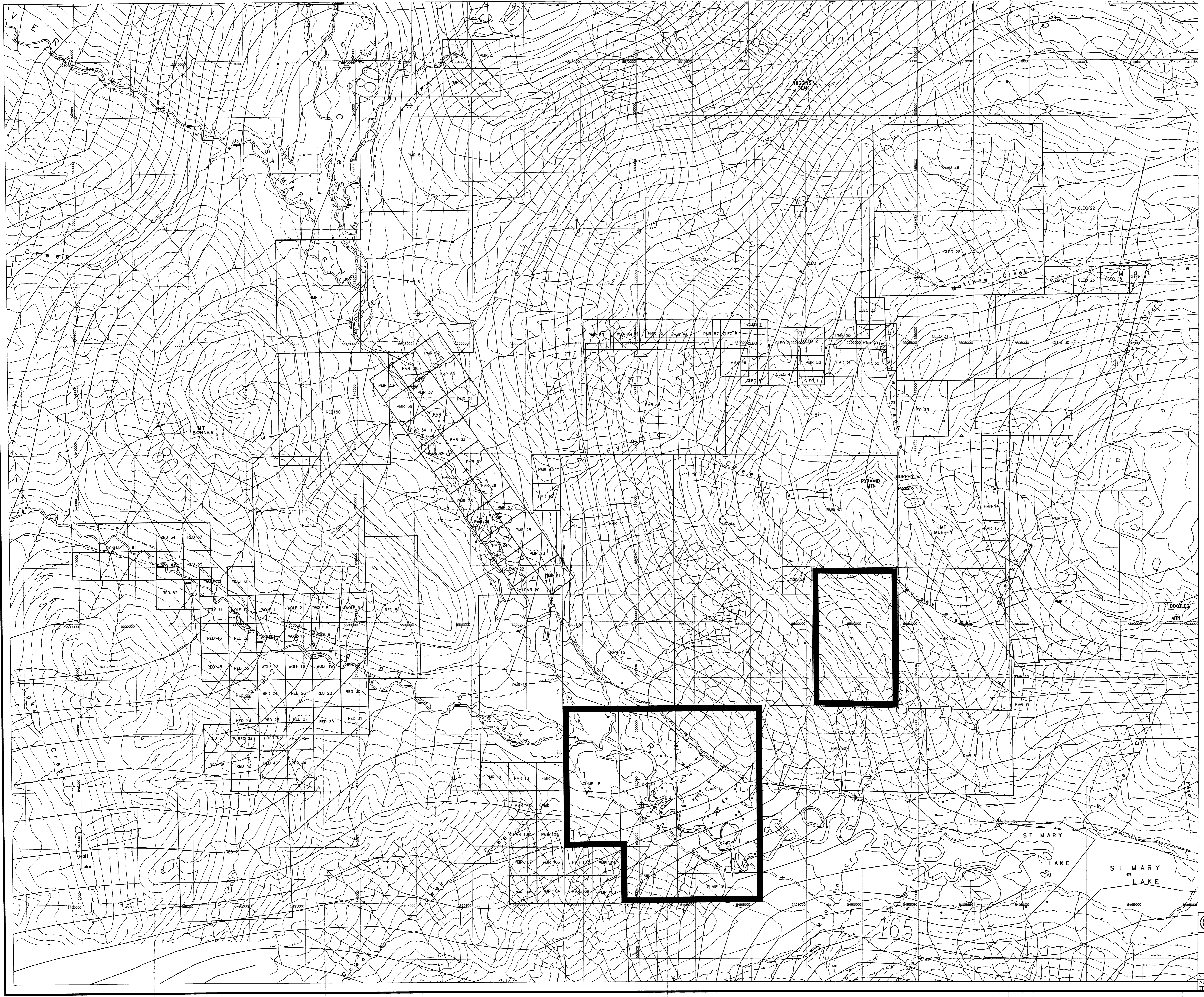
QUADRA SURVEYS

546000 547000 548000 549000 550000 551000 552000 553000



**Figure 2  
Claim Map**

25,590



• Gravity Station Location

SCALE: 1:20,000

0 500 1000 2000  
METRES

**ABITIBI & SEDEX MINING CORP.**  
CRANBROOK FIELD OFFICE

**CLAIR WEST PROJECT**  
**BOUGUER GRAVITY**  
**MAP (CI = 1 mgal)**  
**FIGURE 5**

SCALE: 1:20,000 C.I.: 100 mgal FILE: clairmap  
AUTHOR: GMR DATE: JULY 98 DRAWN: CLT  
TRIM: NTS: