

Intertech Minerals Corp.  
Tommy Jack Creek Property  
Omineca Mining Division, B.C.  
1988 Work Program

~~021-259~~  
021677

Introduction

During the period July 13 to August 13, 1988 a field program consisting of prospecting, and geochemical, rock, soil and silt sampling was undertaken on the Tommy Jack Creek property in north-central British Columbia.

Access to the claims was via helicopter from a staging area at Cullen Creek situated approximately 45 km to the south. The survey crew consisted of nine people including one cook and project manager, Mr. A. Raven. The work program is considered to be part of the first phase of evaluation on three potential target areas, situated south of the main grid area tested by Noranda during 1986-87.

Work Programs 1988

Grid

Access trails were cut from the base camp to the grid area near the headwaters of Beaver Creek for a total of 2.5 kms. Base lines were established as cut, picketed and slope corrected lines for a total of 2.7 kms, with the northwest corner of the Tom #4 claim being defined as map coordinate 20000 N, 20000 E. Additional tie lines and control lines were slope corrected and flagged for a total of approximately 4 kms.

Work Programs 1988, cont'd.

Geochemical Sampling

A survey grid was initiated near the headwaters of Beaver Creek using a 100 meter line spacing and 20 meter sample interval. Four lines, approximately 1,500 meters long, were completed for a total of 7.2 km of soil grid. Three hundred and sixty nine soil samples were collected of, generally, B-horizon materials and delivered to Min En Laboratories for analysis. Presently, the samples have only been analysed for gold and silver but other elements are being considered. In addition to the soil geochemical sampling 11 rock and 68 silt samples were collected and analysed, and 5 hand trenches approximately 1m x 10 m x 0.5 m were completed over previously established soil geochemical anomalies. Assay data has been plotted on accompanying soil geochemical plans.

Camp Status

The survey camp was left on site with tents and supplies being stored in the shed. Three 14' x 16' and two 10' x 12' frames were left standing so that the camp can easily be re-established for the 1989 field season.

Comments

The 1988 field work is considered as the initiation of the evaluation of three prime target areas indicated from prospecting, and rock and silt geochemistry, undertaken prior to the involvement of Intertech Minerals Corp. in the project. Because of budget restrictions in 1988, it was only possible to initiate the field work, but a complete program of evaluation, as defined by Mr. Donald G. Allen, P.Eng., is planned for 1989.

Budget 1988

High Range Explorations	\$ 37,288.00
Min En Laboratories	4,838.00
Okanagan Helicopters	11,842.00
Management 15%	<u>8,095.20</u>
	62,063.20
Option Payment	<u>30,000.00</u>
<b>TOTAL COST (1988)</b>	<b>\$ 92,063.20</b> =====

Respectfully submitted,



J.R. Poloni, P.Eng.

/msc



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SPECIALISTS IN MINERAL ENVIRONMENTS  
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33 EAST IROQUOIS ROAD  
P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9996

**Certificate of GEOCHEM**

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-166/P1  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM
18 500N 20 000E	18	1.0
18 500N 20 020E	3	0.8
18 500N 20 040E	3	0.6
18 500N 20 060E	3	0.9
18 500N 20 080E	9	0.7
18 500N 20 100E	4	0.7
18 500N 20 120E	4	0.8
18 500N 20 140E	16	0.9
18 500N 20 160E	36	0.8
18 500N 20 180E	63	1.2
18 500N 20 200E	39	0.8
18 500N 20 220E	12	0.9
18 500N 20 240E	9	1.6
18 500N 20 260E	6	0.9
18 500N 20 280E	4	0.8
18 500N 20 300E	15	0.8
18 500N 20 320E	6	0.9
18 500N 20 340E	18	1.4
18 500N 20 360E	3	1.4
18 500N 20 380E	3	0.8
18 500N 20 400E	9	0.9
18 500N 20 420E	17	0.8
18 500N 20 440E	219✓	0.9
18 500N 20 460E	7	0.7
18 500N 20 480E	18	0.7
18 500N 20 500E	12	0.7
18 500N 20 520E	39	0.9
18 500N 20 540E	10	1.0
18 500N 20 560E	12	1.0
18 500N 20 580E	2	1.2

*Soils - 369*  
*Letts - 63*  
*Route - 11*

*Plotted*

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**Certificate of GEOCHEM**

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-166/P2  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AL-FIRE	AG
	PPB	PPM
18 500N 20 600E	6	1.3
18 500N 20 620E	2	0.6
18 500N 20 640E	3	0.8
18 500N 20 660E	48	2.7
18 500N 20 680E	2	1.1
-----		
18 500N 20 700E	6	2.4
18 500N 20 720E	2	0.7
18 500N 20 740E	6	12.9
18 500N 20 760E	4	3.3
18 500N 20 780E	3	1.0
-----		
18 500N 20 800E	7	1.2
18 500N 20 820E	7	0.8
18 500N 20 840E	4	0.7
18 500N 20 860E	4	2.8
18 500N 20 880E	6	0.9
-----		
18 500N 20 900E	16	0.8
18 500N 20 920E	10	2.1
18 500N 20 940E	4	1.2
18 500N 20 960E	3	1.2
18 500N 20 980E	8	4.1
-----		
18 500N 21 000E	78	1.4
18 500N 21 020E	8	2.2
18 500N 21 040E	5	1.2
18 500N 21 060E	54	0.9
18 500N 21 080E	51	0.6
-----		
18 500N 21 100E	3	0.8
18 500N 21 120E	4	2.6
18 500N 21 140E	30	0.8
18 500N 21 160E	3	1.0
18 500N 21 180E	83	1.3

PLOTTED

PRD

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**Certificate of GEOCHEM**

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-166/P3  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE	AG
	PPB	PPM
18 500N 21 200E	10	1.2
18 500N 21 220E	90	1.9
18 500N 21 240E	42	2.3
18 500N 21 260E	246	1.7
18 500N 21 280E	18	0.8
18 500N 21 300E	19	1.1
18 500N 21 320E	65	3.8
18 500N 21 340E	44	1.8
18 500N 21 360E	26	0.7
18 500N 21 380E	38	3.1
18 500N 21 400E	22	2.0
18 500N 21 420E	473	1.9
18 500N 21 440E	41	1.5
18 500N 21 460E	28	6.5
18 500N 21 480E	6	1.6
18 500N 21 500E	17	1.4
18 500N 21 520E	28	1.0
18 500N 21 540E	3	1.5
18 500N 21 560E	4	1.8
18 500N 21 580E	25	1.2
18 500N 21 600E	35	3.3
18 500N 21 620E	19	1.4
18 500N 21 640E	36	1.7
18 500N 21 660E	20	1.5
18 500N 21 680E	19	1.2
18 500N 21 700E	12	1.3
18 500N 21 720E	3	1.4
18 500N 21 740E	4	1.2
18 500N 21 760E	5	1.0
18 500N 21 780E	3	0.9

↑  
P.T.  
↓

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## Certificate of GEOCHEM

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P4  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	ALU-FIRE	AS
	PPB	PPM
8 500N 21 800E	7	1.0
8 500N 21 820E	2	1.0
8 500N 21 840E	6	1.3
8 500N 21 860E	6	1.3
8 500N 21 880E	4	1.4
-----		
8 500N 21 900E	10	0.8
8 500N 21 920E	3	0.9
8 500N 21 940E	3	0.9
8 500N 21 960E	5	0.8
8 500N 21 980E	1	1.5
-----		
8 500N 22 000E	2	0.9
8 500N 22 020E	5	2.9
8 500N 22 040E	2	1.0
8 500N 22 060E	5	1.6
8 500N 22 080E	221	1.9
-----		
8 500N 22 100E	5	1.0
8 500N 22 120E	3	1.0
8 500N 22 140E	4	0.7
8 500N 22 160E	3	1.5
8 500N 22 180E	4	1.6
-----		
8 500N 22 200E	3	1.1
8 500N 22 220E	2	0.9
8 500N 22 240E	5	1.2
8 500N 22 260E	64	1.1
8 500N 22 280E	17	1.4
-----		
8 500N 22 300E	2	3.2
8 500N 22 320E	3	0.9
8 500N 22 340E	5	1.4
8 500N 22 360E	5	1.9
8 500N 22 380E	2	1.6

↑  
PTD  
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## Certificate of GEOCHEM

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/PS  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPM	AG PPM
18 500N 22 400E	3	3.6
18 500N 22 420E	2	1.0
18 500N 22 440E	5	1.6
18 500N 22 460E	39	1.4
18 500N 22 480E	63	2.7
18 500N 22 500E	7	1.6
18 500N 22 520E	2	1.5
18 500N 22 540E	87	1.4
18 500N 22 560E	14	1.2
18 500N 22 580E	9	1.8
18 500N 22 600E	10	1.0
18 500N 22 620E	4	1.0
18 500N 22 640E	3	1.2
18 500N 22 660E	2	2.6
18 500N 22 680E	4	5.7
18 600N 20 000E	3	0.9
18 600N 20 020E	28	1.0
18 600N 20 040E	15	1.0
18 600N 20 060E	36	0.9
18 600N 20 080E	28	1.0
18 600N 20 100E	4	1.2
18 600N 20 120E	2	0.8
18 600N 20 140E	6	1.0
18 600N 20 160E	4	1.0
18 600N 20 180E	2	0.8
18 600N 20 200E	2	0.7
18 600N 20 220E	3	0.9
18 600N 20 240E	20	1.0
18 600N 20 260E	4	1.4

Lot 22  
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Certificate of GEOCHEM

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P6  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM
18 600N 20 280E	23	1.2
18 600N 20 300E	4	1.0
18 600N 20 320E	26	0.9
18 600N 20 340E	6	1.2
18 600N 20 360E	21	1.0
-----		
18 600N 20 380E	29	1.6
18 600N 20 400E	81	0.8
18 600N 20 420E	6	1.2
18 600N 20 440E	34	0.9
18 600N 20 460E	21	1.1
-----		
18 600N 20 480E	30	1.3
18 600N 20 500E	20	1.0
18 600N 20 520E	9	0.9
18 600N 20 540E	45	1.4
18 600N 20 560E	2	0.8
-----		
18 600N 20 580E	10	0.9
18 600N 20 600E	32	0.7
18 600N 20 620E	19	0.8
18 600N 20 640E	3	1.0
18 600N 20 660E	2	1.2
-----		
18 600N 20 680E	6	1.3
18 600N 20 700E	5	1.6
18 600N 20 720E	8	1.0
18 600N 20 740E	30	1.3
18 600N 20 760E	10	1.2
-----		
18 600N 20 780E	79	0.8
18 600N 20 800E	9	1.7
18 600N 20 820E	1	0.8
18 600N 20 840E	3	0.7
18 600N 20 860E	36	1.0

*Plotted*

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TELEPHONE: (705) 264-9986

## Certificate of GEOCHEM


Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P7  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE	AG
	PPB	PPM
18 600N 20 880E	73	1.0
18 600N 20 920E	17	0.9
18 600N 20 940E	5	0.8
18 600N 20 960E	18	0.5
18 600N 20 980E	6	0.8
-----		
18 600N 21 000E #1	19	1.2
18 600N 21 000E #2	26	0.8
18 600N 21 000E #3	21	0.9
18 600N 21 000E #4	5	0.8
18 600N 21 020E	7	1.1
-----		
18 600N 21 040E	6	0.6
18 600N 21 060E	9	0.9
18 600N 21 080E	31	1.0
18 600N 21 100E	4	0.4
18 600N 21 120E	17	0.8
-----		
18 600N 21 140E	54	1.2
18 600N 21 160E	34	1.5
18 600N 21 180E	18	3.6
18 600N 21 200E	3	0.6
18 600N 21 220E	1	0.8
-----		
18 600N 21 240E	3	0.6
18 600N 21 260E	15	1.3
18 600N 21 280E	43	5.4
18 600N 21 300E	3	0.6
18 600N 21 320E	28	0.6
-----		
18 600N 21 340E	43	0.8
18 600N 21 360E	37	0.8
18 600N 21 380E	12	1.7
18 600N 21 400E	2	0.5

*2070*

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**Certificate of GEOCHEM**


Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-166/PB  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AL-FIRE	AG
	PPB	PPM
18 600N 21 420E	30	1.2
18 600N 21 440E	11	0.8
18 600N 21 460E	3	0.9
18 600N 21 480E	6	0.6
18 600N 21 500E	81	0.9
<hr/>		
18 700N 20 000E	21	0.8
18 700N 20 020E	16	0.8
18 700N 20 040E	5	0.7
18 700N 20 060E	8	0.6
18 700N 20 080E	4	0.8
<hr/>		
18 700N 20 100E	13	1.0
18 700N 20 120E	9	0.6
18 700N 20 140E	9	1.2
18 700N 20 160E	52	0.8
18 700N 20 180E	30	0.8
<hr/>		
18 700N 20 200E	33	0.7
18 700N 20 240E	3	1.0
18 700N 20 260E	9	0.8
18 700N 20 280E	105	1.3
18 700N 20 300E	24	0.9
<hr/>		
18 700N 20 320E	53	0.7
18 700N 20 340E	46	0.8
18 700N 20 360E	22	1.1
18 700N 20 380E	55	0.8
18 700N 20 400E	38	0.9
<hr/>		
18 700N 20 420E	29	1.1
18 700N 20 440E	28	1.0
18 700N 20 460E	37	1.4
18 700N 20 480E	20	3.5

*Handwritten notes:*  
 - A vertical double-headed arrow spans from the first sample (420E) to the last sample (480E).  
 - A vertical arrow points upwards from the 200E sample to the 420E sample.  
 - A vertical arrow points downwards from the 480E sample to the 200E sample.  
 - The word "LIMITED" is written vertically next to the first arrow.  
 - "A/S." is written next to the 200E sample.  
 - "LIMITED" is written vertically next to the 200E sample.

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Certificate of GEOCHEM

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P9  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM
18 700N 20 500E	12	0.8
18 700N 20 520E	43	0.9
18 700N 20 540E	13	1.2
18 700N 20 560E	39	0.7
18 700N 20 580E	15	0.6
-----		
18 700N 20 600E	18	0.9
18 700N 20 620E	6	0.6
18 700N 20 640E	7	0.8
18 700N 20 660E	11	0.7
18 700N 20 680E	21	1.2
-----		
18 700N 20 700E	42	1.3
18 700N 20 720E	17	1.9
18 700N 20 740E	19	0.7
18 700N 20 760E	6	1.4
18 700N 20 780E	16	1.3
-----		
18 700N 20 800E	15	0.6
18 700N 20 820E	3	0.4
18 700N 20 840E	103 <sup>v</sup>	0.5
18 700N 20 860E	38	2.1
18 700N 20 880E	19	0.7
-----		
18 700N 20 900E	10	1.0
18 700N 20 920E	22	0.8
18 700N 20 940E	21	0.5
18 700N 20 960E	29	1.1
18 700N 20 980E	12	0.6
-----		
18 700N 21 000E #1	19	0.4
18 700N 21 000E #2	10	0.6
18 700N 21 020E	28	0.5
18 700N 21 040E	41	7.3
18 700N 21 060E	38	6.8

*PLATTED*

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Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-166/P10  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AD-FIRE	AS
	PPB	PPM
18 700N 21 080E	3	0.8
18 700N 21 100E	4	1.0
18 700N 21 120E	41	1.2
18 700N 21 140E	9	0.5
18 700N 21 160E	9	0.6
-----		
18 700N 21 180E	12	0.8
18 700N 21 200E	7	0.9
18 700N 21 220E	18	1.2
18 700N 21 240E	31	0.9
18 700N 21 260E	28	0.7
-----		
18 700N 21 280E	30	2.3
18 700N 21 300E	14	0.7
18 700N 21 320E	19	0.6
18 700N 21 340E	13	0.7
18 700N 21 360E	9	0.8
-----		
18 700N 21 380E	2	0.9
18 700N 21 400E	23	5.3
18 700N 21 420E	1	0.7
18 700N 21 440E	3	0.8
18 700N 21 460E	18	0.4
-----		
18 700N 21 480E	15	0.8
18 700N 21 500E	12	0.6
18 800N 20 000E	4	0.5
18 800N 20 020E	41	0.7
18 800N 20 040E	10	1.3
-----		
18 800N 20 080E	4	0.8
18 800N 20 100E	2	0.6
18 800N 20 120E	12	0.9
18 800N 20 140E	9	0.7

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TELEX: VIA U.S.A. 7601087 • FAX (604) 980-9621

TIMMINS OFFICE:  
33 EAST IROQUOIS ROAD  
P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-8996

## Certificate of Geochem

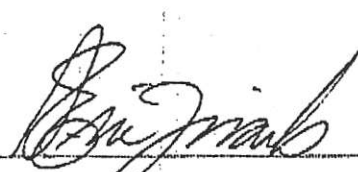
Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-166/P11  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE	AG
	PPB	PPM
18 800N 20 160E	29	0.5
18 800N 20 180E	50	0.8
18 800N 20 200E	21	0.8
18 800N 20 220E	22	0.9
18 800N 20 240E	29	0.9
-----		
18 800N 20 260E	11	0.8
18 800N 20 280E	23	1.1
18 800N 20 300E	73	1.5
18 800N 20 320E	41	1.2
18 800N 20 340E	57	1.0
-----		
18 800N 20 360E	57	1.4
18 800N 20 380E	30	1.5
18 800N 20 400E	21	0.8
18 800N 20 420E	24	1.3
18 800N 20 440E	34	1.2
-----		
18 800N 20 460E	25	2.1
18 800N 20 480E	19	1.6
18 800N 20 500E	281✓	1.3
18 800N 20 520E	18	0.8
18 800N 20 540E	39	0.7
-----		
18 800N 20 560E	17	0.9
18 800N 20 580E	46	0.5
18 800N 20 600E	17	1.6
18 800N 20 620E	16	1.2
18 800N 20 640E	63	1.0
-----		
18 800N 20 660E	17	1.3
18 800N 20 680E	19	1.6
18 800N 20 700E	10	0.7
18 800N 20 720E	28	0.8
18 800N 20 740E	5	0.4

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P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9996

## Certificate of GEOCHEM

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P12  
Date: APRIL 10/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM
18 800N 20 760E	62	2.2
18 800N 20 780E	38	4.1
18 800N 20 800E	27	0.9
18 800N 20 820E	33	1.7
18 800N 20 840E	41	1.2
-----		
18 800N 20 860E	23	0.7
18 800N 20 880E	20	1.6
18 800N 20 900E	9	0.9
18 800N 20 920E	6	2.1
18 800N 20 940E	6	0.5
-----		
18 800N 20 960E	16	0.9
18 800N 20 980E	44	1.3
18 800N 21 000E #1)	11	0.8
18 800N 21 000E #2)	26	0.5
18 800N 21 020E	95	2.9
-----		
18 800N 21 040E	25	1.2
18 800N 21 060E	22	2.8
18 800N 21 080E	6	1.3
18 800N 21 100E	18	0.9
18 800N 21 120E	9	3.2
-----		
18 800N 21 140E	38	1.8
18 800N 21 160E	42	0.5
18 800N 21 180E	62	1.6
18 800N 21 200E	18	1.3
18 800N 21 220E	70	1.0
-----		
18 800N 21 240E	77	1.5
18 800N 21 260E	56	0.9
18 800N 21 280E	24	0.6
18 800N 21 300E	12	0.7
18 800N 21 320E	18	1.1

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33 EAST IROQUOIS ROAD  
P.O. BOX 887  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 284-9996

*Certificate of GEOCHEM*

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P13  
Date: APR. 11/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

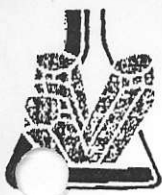
12  
30  
360  
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Sample Number	AU-FIRE PPE	AG PPM
18 800N 21 340E	2	0.9
18 800N 21 360E	2	1.0
18 800N 21 380E	4	1.3
18 800N 21 400E	3	1.4
18 800N 21 420E	2	1.0
-----		
18 800N 21 440E	2	0.5
18 800N 21 460E	19	0.6
18 800N 21 480E	1	0.4
18 800N 21 500E	2	1.1
T 01 -80 MESH	4	0.6
-----		
TJS 02 -80 MESH	3	0.5
TJS 03 -80 MESH	319 ✓	0.7
TJS 04 -80 MESH	19	0.4
TJS 05 -80 MESH	3	0.6
TJS 06 -80 MESH	4	0.6
-----		
TJS 07 -80 MESH	2	0.6
TJS 08 -80 MESH	4	0.9
TJS 09 -80 MESH	11	0.7
TJS 10 -80 MESH	4	0.6
TJS 11 -80 MESH	1	0.8
-----		
TJS 12 -80 MESH	158 ✓	0.8
TJS 13 -80 MESH	25	0.6
TJS 14 -80 MESH	36	0.8
TJS 15 -80 MESH	97	0.7
TJS 16 -80 MESH	4	0.9
-----		
TJS 17 -80 MESH	33	0.8
TJS 18 -80 MESH	54	0.6
TJS 19 -80 MESH	41	0.8
TJS 20 -80 MESH	45	1.3
TJS 21 -80 MESH	618	0.8

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*Form*

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

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P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9906

## Certificate of GEOCHEM

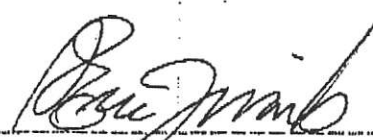
Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P14  
Date: APRIL 11/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE	AG
	PPB	PPM
TJS 22 -80 MESH	9	1.2
TJS 23 -80 MESH	12	0.8
TJS 24 -80 MESH	2	0.6
TJS 25 -80 MESH	2	0.7
TJS 26 -80 MESH	1	0.5
-----		
TJS 27 -80 MESH	2	0.8
TJS 28 -80 MESH	4	0.6
TJS 29 -80 MESH	1	0.7
TJS 30 -80 MESH	6	0.5
TJS 18 BOON 20 510E-80 MESH	7	0.6
-----		
TJS 18 BOON 20 660E-80 MESH	27	0.8
TJS 18 BOON 21 110E-80 MESH	27	2.4
TJS 18 BOON 21 020E-80 MESH	34	1.6
TJS 01 -40+80 MESH	4	0.9
TJS 02 -40+80 MESH	3	0.7
-----		
TJS 03 -40+80 MESH	2	0.6
TJS 04 -40+80 MESH	1	0.6
TJS 05 -40+80 MESH	3	0.4
TJS 06 -40+80 MESH	2	0.8
TJS 07 -40+80 MESH	3	0.7
-----		
TJS 08 -40+80 MESH	6	0.9
TJS 09 -40+80 MESH	19	0.5
TJS 10 -40+80 MESH	4	0.6
TJS 11 -40+80 MESH	2	0.6
TJS 12 -40+80 MESH	3	0.5
-----		
TJS 13 -40+80 MESH	18	0.9
TJS 14 -40+80 MESH	3	0.8
TJS 15 -40+80 MESH	1	0.8
TJS 16 -40+80 MESH	19	0.9
TJS 17 -40+80 MESH	10	0.8

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TELEPHONE: (705) 264-9996

**Certificate of GEOCHEM**

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P15  
Date: APRIL 11/89  
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number		AU-FIRE PPB	AG PPM
TJS 18	-40+80 MESH	4	0.6
TJS 19	-40+80 MESH	2	0.7
TJS 20	-40+80 MESH	23	0.9
TJS 21	-40+80 MESH	49	0.6
TJS 22	-40+80 MESH	39	0.5
<hr/>			
TJS 23	-40+80 MESH	40	1.5
TJS 24	-40+80 MESH	2	0.4
TJS 25	-40+80 MESH	1	0.5
TJS 26	-40+80 MESH	3	0.4
TJS 27	-40+80 MESH	3	0.4
<hr/>			
TJS 28	-40+80 MESH	4	0.5
TJS 29	-40+80 MESH	8	0.4
TJS 30	-40+80 MESH	12	0.6
TJS 18	800N 20 510E -40+80 MESH ✓	3	0.6
TJS 18	800N 20 660E -40+80 MESH ✓	2	0.8
<hr/>			
TJS 18	800N 21 110E -40+80 MESH ✓	9	1.4
TJS 18	780N 21 020E -40+80 MESH ✓	4	1.0

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TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9998

Certificate of GEOCHEM

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P16  
Date: APRIL 11/89  
Type: ROCK GEOCHEM

I hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM	
J 01	4	0.8	
J 02	39	0.9	
J 03	3	0.8	
J 04	10	0.7	
J 05	42	0.6	
J 05A	6400	195.0	FLAT UN. CK
J 06	18000	19.0	TRENCH
J 07	39	1.2	TRENCH
J 08	13400	69.0	FLAT 50m downstream 18800N 20510E
J	123	4.2	TRENCH
J 10	25000	41.0	MASSIVE ARSENOPYRITE TOP OF BLURT FLAT

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

**TIMMINS OFFICE:**  
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P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9896

*Certificate of ASSAY*

Company: INTERTECH MINERALS  
Project: TOMMY JACK  
Attention: A. RAVEN/E. PETERS

File: 91-20/P16  
Date: APRIL 11/89  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON	
TJ 05A	8.26	0.241	
TJ 06	22.75	0.664	TRENCH
TJ 08	15.25	0.445	
TJ 10	34.48	1.006	Mass Assayments Pop of Bluff

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