

**ASSESSMENT REPORT**  
**ON THE**  
**SIMS OPTION**  
**FOR**  
**TEDDY BEAR VALLEY MINES LTD.**  
**KEEFER AND HILLARY TOWNSHIPS**  
**PORCUPINE MINING DIVISION**  
**NTS 42 A/SW**

2.17485

April 1, 1997

T. Keast Qual # 2.134110



42A05SW0009 2.17485 KEEFER

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## **INTRODUCTION**

Between August 31, 1996 and October 19, 1996, Teddy Bear Valley Mines Ltd. completed an exploration program on the Sims Option, which included work on the historical Nixon - Bartleman gold showing. The exploration program included a compilation of all previous work, backhoe mechanical stripping, outcrop washing, channel sampling and geological mapping on the Nixon - Bartleman showing, as well as the remainder of the property. The purpose of the program was to determine the economic potential of the gold mineralization in the Nixon - Bartleman showing, and to identify additional exploration targets on the remainder of the property

The results of the exploration program indicates the presence of a large shear structure interpreted to be the western extension of the Destor - Porcupine Deformation Zone. Because this structure is a key component in the development and location of the deposits of the Timmins Camp, it represents a very significant exploration target, that should be methodically explored. The Nixon - Bartleman gold showing consists of a series of "pinch and swell" quartz veins hosted within sheared mafic volcanic flows. High grade gold values are associated with sections of the quartz veins which contain pyrite and chalcopyrite sulphide mineralization. This "pinch and swell" characteristic is typical of quartz veins associated with gold deposits of the Timmins camp. Historical drilling on the showing failed to intersect significant vein widths or encouraging gold assays.

Further work is recommended for the Sims Option. Induced polarization (IP) geophysical surveys are recommended to cover the northern portion of the claim group where the Destor - Porcupine Deformation Zone underlies the property. Further work, including stripping and diamond drilling, would be dependant upon the results of the IP survey. The estimated cost of the IP geophysics program is \$15,000.

## LOCATION AND ACCESS

The Sims Option is located 50 kilometres southwest of Timmins, Ontario, (Figure 1). The property is situated in Keefer and Hillary Townships, in the Porcupine Mining Division. The latitude and longitude of the property is 48° 25' N, and 81° 45' W, respectively, NTS 42 A SW.

Access to the property is excellent. The project is located approximately 50 kilometres southwest of Timmins, along Highway 101. A four wheeler trail from Highway 101 is used to travel 3.5 kilometres west to the centre of the claim group.

## PROPERTY

The Sims Option consists of fifteen contiguous unpatented mining claims totalling 240 hectares, and four Surface Mining Patents totalling 64 hectares. The claims are located in Keefer and Hillary townships in the Porcupine Mining Division (Figure 2). The claims are optioned from Mr. B. Sims of Timmins, Ontario. A listing of claims is enclosed in Table 1.

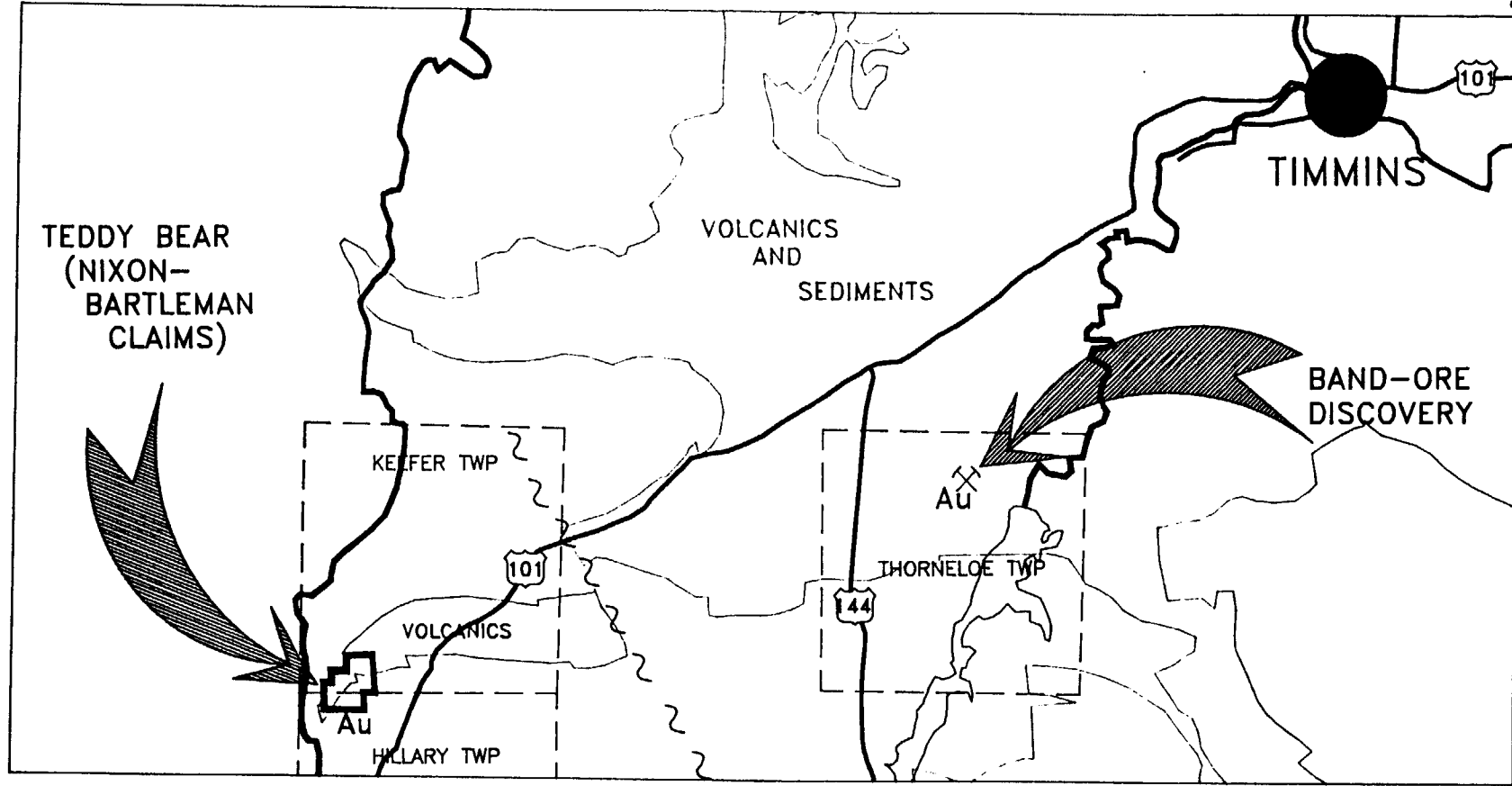
**Table 1: Sims Option Claim List**

<b>Claim #</b>	<b>Township</b>	<b>Claim Units</b>
P 1115550	Keefer	1 unit
P 1115551	Keefer	1 unit
P 1115552	Keefer	1 unit
P 1115553	Keefer	1 unit
P 1115554	Keefer	1 unit
P 1115555	Keefer	1 unit
P 1115556	Hillary	1 unit
P 1115557	Hillary	1 unit
P 1115558	Hillary	1 unit
P 1115583	Keefer	1 unit
P 1115584	Keefer	1 unit
P 1116879	Keefer	1 unit
P 1116880	Keefer	1 unit
P 1116881	Keefer	1 unit
P 1116882	Keefer	1 unit
<b>Patent #</b>	<b>Township</b>	<b>Units</b>
P 28779	Keefer	1 unit
P 28780	Keefer	1 unit
P 28781	Keefer	1 unit
P 28782	Keefer	1 unit

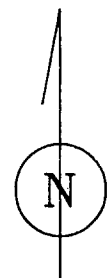
W 00 28

81° 15'

48° 30' N



48° 15' N



kilometres

**TEDDY BEAR VALLEY MINES, LIMITED**  
**NIXON-BARTLEMAN PROPERTY, SIMS OPTION**  
**LOCATION MAP**

SCALE 1 : 250,000

Keefer and Hillary Twp, NTS 42A5

Toronto

June 1996

Figure 1



## **TOPOGRAPHY**

Topography in the area is gentle to rolling with a number of small sand ridges with elevations of five to ten metres. Drainage is defined and controlled by a number of these ridges. Outcrop exposure is sparse, generally three to five percent. Vegetation cover consists of cedar and spruce in the lower areas and poplar in the higher areas.

## **REGIONAL AND PROPERTY GEOLOGY**

The Sims Option is located within the eastern portion of Timmins Gold camp. The project lies within the Carscallen Assemblage, of the Abitibi Subprovince. The assemblage consists of north facing, steeply dipping massive and pillowed basalt flows, showing both tholeiitic and calc-alkaline affinities, interlayered with minor amounts of high silica rhyolites and oxide facies iron formation (Jackson 1995). Much of the assemblage lies within the Porcupine Destor deformation zone, which is highly strained and is characterized by an intense, penetrative flattening fabric and a 40° to 90° westerly plunging elongation lineation (Barrie 1990a).

In the Timmins area, Archean metavolcanics and felsic to intermediate intrusions dominate the early lithology (Pyke, 1980). Metavolcanics are divided into the Deloro and Tisdale Groups structurally separated by the economically significant Porcupine Destor Fault. The Deloro group consists mainly of andesitic dacitic and basaltic flows, dacitic and rhyolitic pyroclastic rocks, and iron formation that occurs at the top of the Group. The Tisdale Group is dominated by ultramafic volcanic rocks and basaltic komatiites, tholeiitic basalts and calc-alkaline volcanoclastics.

Metasedimentary wackes, siltstones and minor conglomerates form a turbidite sequence known as the Porcupine Group, which is contemporaneous with the Tisdale Group and the upper part of the Deloro Group.

Archean Intrusions include porphyritic monzonite, porphyritic granodiorite, diorite, trondhjemite, and quartz feldspar porphyry dykes. Quartz feldspar porphyry dykes and stocks are notably associated with gold mineralization in the camp. Small sill-like bodies of dunite and lherzolite are nearly exclusively found within the Deloro Group. Gabbro and is also found in the area. Northeast trending diabase dykes are widespread, and range in age from early to late Precambrian in age.

Keefer township was mapped by the Ontario Geological Survey in 1981 by A.G.Choudhry (P.2500).

## **PREVIOUS WORK**

Previous work on the property dates back to the early 1920's. A chronological history of exploration activities on the property is outlined below:

### ***W.H. Hansen***

In the 1920's, 22 claims were staked over this area known as the Moore group. A sketch map of the general geology and sampling of the veins on what is now known as the Nixon - Bartleman showing was completed. Significant gold assays were returned from some of the veins, with assays as high as 0.50 oz/t.

### ***Jobert Keefer Gold Mines Ltd.***

From 1934-1938, Jobert Keefer Gold Mines Ltd. carried out extensive stripping, trenching, channel sampling and diamond drilling on the four key claims. During this program five quartz veins were located and sampled. The channel sample results were very encouraging with assays up 1.13 oz/t. Nine diamond drill holes were completed to test the veins at depth. The hole locations are known, however no drill logs or assay results are available.

### ***Nixon Bartleman***

In the 1940's the claims covering the quartz veins were acquired by Nixon-Bartleman.

### ***Golddale Mines Ltd.***

In 1946 Golddale Mines Ltd. optioned the Nixon Bartleman property. Work consisted of resampling the quartz veins, followed by diamond drilling. Two veins located at post #2 of claim P.28782 strike at Az 49° and dip steeply south. Three channel samples of the most southerly veins vein returned 15.1 gm/t over 2.13 m, 16.1 gm/t over 0.76 m, and 28.8 gm/t over 1.22 m. The channel samples were spaced 18.29 m and 6.10 metres apart. One sample from the northern vein returned 28.46 gm/t over 0.15 m.

Approximately 76 metres northeast of post #2 of claim 28782, three additional veins were discovered along strike to the original gold bearing veins. The veins strike at Az 60° to Az 85° and dip steeply south. The northern vein was sampled at two locations and returned 0.34 gm/t over 0.76 m. and 4.46 gm/t over 0.37 m. The central vein is exposed over a distance of 7.6 metres and was sampled at the east end where a 3-5m deep pit was put down on the vein. The sample returned 12.3 gm/t over 1.22 m. The south vein was sampled at the bottom of a caved in pit, and returned 24.0 gm/t over 0.21 m. Another vein was sampled and returned 19.20 gm/t over 0.3 m.

Six diamond drill holes for a total of 743 metres was completed. The drilling was spaced along the strike length of the showing. The drilling did not encounter any significant assay results.



***Hollinger Mines Ltd.***

In 1961 Hollinger Mines Ltd. conducted a five hole diamond drill program, totalling 1211.24 metres. The drill holes tested the northeast and southwest strike extensions of the deformation zone. The drilling intersected the shear structure, but did not encounter significant gold mineralization.

***Noranda Inc.***

Between 1983 and 1987 Noranda Inc. held a large block of claims to the east of the Nixon - Bartleman showing. Mapping, sampling, ground and airborne geophysical surveys were completed during this period. No significant results were reported.

***Assarco Expl.***

In 1989 Continental-Hlava Exploration Services Ltd. carried out a ground magnetic, VLF and Max-min II survey on the four eastern claims of the property. No significant results were reported.

***Trans-Cambrian Exploration Ltd.***

In 1990 Trans-Cambrian Exploration Ltd. carried out a ground magnetic and VLF EM survey on the 4 patented claims covering the Nixon - Bartleman showing. No significant results were reported.

***Mingold Resources Inc.***

In 1990 Mingold Resources Inc. conducted a 387 metre drill program to test a number of geophysical responses. Drilling intersected semi-massive sulphides, strongly sheared basalts with hematized zones containing disseminated pyrite, but no anomalous gold values.

***Teddy Bear Valley Mines Ltd.***

In 1996 Teddy Bear Valley Mines optioned The Sims property. Linecutting and Magnetometer surveys were completed over the property. Grid lines were cut over the majority of the property at 100 metre spacings. A detailed grid at 50 metre spacings was cut over the Nixon Bartleman showing for detailed work. The results of the magnetometer survey are included in assessment report T-3810.

**PROPERTY GEOLOGY**

Geological mapping was completed over the majority of the project utilizing the 100 metre spaced cut lines for control. The geology of the property consists of a wide sequence of variably strained mafic volcanic flows through the central portion of the property, bounded to the east and south by large tonalitic to granitic intrusions. The strained volcanics are part of a large deformation zone interpreted to be the western extension of Destor - Porcupine Deformation Zone. Narrow oxide facies iron formations, approximately five centimetres in width, were identified at two locations. Fine grained feldspar porphyries generally less than 5 metres in width were identified at several

locations. Late Diabase dykes crosscut all units. The property geology is included on the 1:2500 scale **Map 1** included in the back pocket. Descriptions of individual units are as follows:

### ***Massive and Pillowed Mafic Flows***

Flow units are fine to medium grained, dark green, massive to pillowed. Wide flow sequences may consist of multiple flow units. The mafic volcanics are weakly to strongly foliated in a northeast / southwest orientation. Stretched pillows were identified at a number of locations, with the best exposures at the stripped area of the Nixon - Bartleman showing. With increasing intensity of deformation the pillows become increasingly stretched until they are totally destroyed. Amphibole/ biotite alteration is patchy and irregularly distributed at the Nixon - Bartleman showing. The alteration is strongest in sections of intense strain which hosts the gold bearing veins. The alteration product, thought to be part of the gold mineralization event did not return anomalous gold values.

### ***Feldspar Porphyry***

Feldspar porphyries are light grey - pink, with 3-5% feldspar phenocrysts. The unit is strongly foliated and contains tr-1% narrow barren quartz veins. The porphyries are generally less than 5 metres wide, and have only been located within areas of intense shearing.

### ***Iron Formation***

The iron formations are oxide facies, generally up to 5 cm wide and strongly magnetic. The beds are so narrow and widely spaced that they appear only as a weak to moderate magnetic trend on the magnetometer map.

### ***Tonalite***

The tonalite is a large, coarse to medium grained crystalline intrusion, with a weak east / west foliation. The intrusion is situated in the south and east portions of the property.

### ***Diabase Dykes***

The diabase dykes are coarse to fine grained, dark green to black, with fine grained chill margins. The dykes crosscut all units, and have a variable magnetic response from weak to strong.

## **STRUCTURAL GEOLOGY**

The dominant structural feature on the property is a major deformation zone trending through the central portion of the claim group. The orientation is approximately Az 60° with a steep southerly dip. The massive volcanic flows are locally altered to chlorite schists, with stretched pillows observed at a number of locations. Plunge lineations indicate a steep south-westerly plunge direction. A major northwest / southeast fault has sinistrally offset stratigraphy by approximately 350 metres.

## **GOLD MINERALIZATION**

Gold mineralization is historically known to be located on the Nixon - Bartleman showing. Considerable mechanical stripping, washing and channel sampling has exposed the showing along 300 metres of strike extent (**Map 2**). The showing consists of a number of separate quartz veins and pods situated within a 20 metres wide discrete shear zone. The quartz veins are white in colour, less than 1.5 metres in width, and rapidly pinch out along strike. The veins are parallel to the main structural foliation. On certain exposures the veins can be observed in cross section where it is noted they rapidly pinch out down dip.

Gold mineralization is restricted to the quartz veins. A total of 50 samples from sawed channels were taken at a number of locations over the stripped areas. Sections of the shear zone that hosted large veins (up to 1.5m wide), and areas with high percentages of small veins were channel sampled. All samples were approximately 1 metre in length and 4cm in width. Assay results are enclosed in **Table 2** and **Appendix I**. Both the hangingwall and footwall rocks to the veins were sampled in order to help identify the gold distribution. The assay results indicate that the gold is contained predominantly within the quartz veins. Sulphides in the quartz veins include pyrite, chalcopyrite and galena. The highest gold assays are associated with portions of the quartz veins which contain sulphide mineralization. The sulphide distribution is very erratic in the veins, thus leading to erratic gold distribution.

## **DISCUSSION OF RESULTS**

Exploration to date on the Sims Option by Teddy Bear Valley Mines Ltd. has included mechanical stripping, channel sampling, geological mapping on the Nixon - Bartleman showing, and mapping and prospecting on the remainder of the property. The results of the exploration program indicates the presence of a large shear structure believed to be the western extension of the Destor - Porcupine Deformation Zone. Because this structure is a key component in the development and location of the deposits of the Timmins Camp, it represents a very significant exploration target.

Over the Nixon - Bartleman showing mechanical stripping and channel sampling has delineated a 20 metre wide shear zone as part of a larger deformation zone. A number of narrow, pinch and swell quartz veins are located within the shear zone. The veins vary in width up to 1.5 metres and rapidly pinch out along strike and down dip. High grade gold assays have been encountered and duplicated by several surface sampling programs, including this recent program. Diamond drilling by previous operators failed to encounter any significant gold assays down dip or along strike. In light of the lack of results of the past drilling, exploration potential appears limited on the Nixon - Bartleman showing.

**Table 2 Sims Option Channel Sample Assay Results**

Sample #	Location	Width m	% Qtz Vein	Sulphides	Alteration	Au oz/t
24103	Channel 1	0.75	25%	1-3% Py, tr Cpy	Bio, Amph	0.226
24147	Channel 1	1.00	Tr-1%	tr Py	Wk Bio	0.044
24148	Channel 1	1.00	5-7%	tr -1% Py		0.109
24149	Channel 1	1.00	1-3%	1-3% Py	Wk Bio	0.056
24104	Channel 2	1.00	tr	nil	Wk Bio	nil
24105	Channel 2	1.00	3-5%	tr-1% Py	Wk Bio	0.001
24106	Channel 2	0.75	5-7%	1-3% Py	Wk Bio, Amph	0.263
24107	Channel 2	1.00	5-7%	nil	Wk Bio, Amph	0.008
24108	Channel 3	0.75	50%	3-5% Py, 1-3% Cpy		0.248
24109	Channel 4	1.00	85%	3-5% Py, 1-3% Cpy		0.020
15320	Channel 4	0.50	85%	3-5% Py, 3-5% Cpy		1.771
15321	Channel 4	0.50	85%	3-5% Py, 3-5% Cpy		1.470
24110	Channel 5	1.00	3-5%	tr-1% Py	Str Bio Amph	nil
24111	Channel 5	1.00	tr	tr-1% Py	Str Bio Amph	0.001
24112	Channel 6	1.00	tr	tr	Str Bio Amph	0.004
24113	Channel 7	1.00	tr	tr	Str Bio Amph	0.028
24114	Channel 7	1.00	tr	tr	Str Bio Amph	nil
24115	Channel 7	1.00	tr	tr	Str Bio Amph	0.001
24116	Channel 7	1.00	tr	tr	Str Bio Amph	nil
24117	Channel 7	1.00	tr	tr	Str Bio Amph	nil
24118	Channel 7	1.00	tr	tr	Str Bio Amph	0.001
24119	Channel 7	1.00	tr	tr	Str Bio Amph	nil
24120	Channel 7	1.00	tr	tr	Str Bio Amph	0.002
24121	Channel 8	1.00	tr	tr	Str Bio Amph	0.001
24122	Channel 8	1.00	tr	tr	Str Bio Amph	nil
24123	Channel 8	1.00	tr	tr	Str Bio Amph	0.001
24125	Channel 9	1.00	tr	tr	Str Bio Amph	nil
24126	Channel 9	1.00	tr	tr	Str Bio Amph	0.001
24127	Channel 9	1.00	tr	tr	Str Bio Amph	0.001
24128	Channel 9	1.00	tr	tr	Str Bio Amph	0.001
24129	Channel 9	1.00	tr	tr	Str Bio Amph	0.001
24130	Channel 9	1.00	tr	tr	Str Bio Amph	nil
24131	Channel 9	1.00	tr	tr	Str Bio Amph	0.002
24138	Channel 10	1.00	25%	1-3% Py		0.056
24139	Channel 10	1.00	3-5%	1-3% Py		0.116
24140	Channel 11	1.00	3-5%	1-3% Py, tr Cpy		0.001
24141	Channel 11	1.00	3-5%	1-3% Py, tr Cpy		nil
24142	Channel 11	1.00	3-5%	1-3% Py, tr Cpy		0.170
24132	Channel 12	1.00	tr	tr		0.001
24133	Channel 12	1.00	tr	tr		nil
24134	Channel 12	1.00	tr	tr		nil
24135	Channel 12	1.00	tr	tr		nil
24136	Channel 12	1.00	tr	tr		0.064
24137	Channel 12	1.00	tr	tr		0.001
24150	Channel 13	1.00	10-15%	1-3% Py, tr Cpy		0.060
24143	Channel 14	1.00	3-5%	tr Py		0.008
24144	Channel 14	1.00	3-5%	tr Py		0.002
24145	Channel 14	1.00	3-5%	tr Py		0.096
24146	Channel 14	1.00	3-5%	tr Py		0.039

## **CONCLUSIONS AND RECOMMENDATIONS**

Further exploration work is recommended for the Sims Option. The presence of a major deformation zone (Destor - Porcupine), through the center of the property is very encouraging. The fact that gold has been located on the Nixon - Bartleman showing indicates that gold is present in the shear system, and additional gold mineralization is possible. Although the exploration potential on the Nixon - Bartleman showing appears limited, due to the lack of encouraging drill results from previous operators, further work should focus on evaluating the main deformation zone. IP geophysical surveys should be completed over portions of the property which cover the deformation zone. Approximately \$15,000 would be required to complete these surveys

## REFERENCES

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- Jackson S. L. and Fyon J.A. The Western Abitibi subprovince in Ontario; in the Ontario Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 1, p405 - 482
- O.G.S., 1989: The geology of Keefer, Denton and Thorneloe Townships, District of Cochrane. Ministry of Northern Development and Mines, Mines and Minerals Division, Open File Report 5699.
- Pyke, D.R. 1982. Geology of the Timmins area, District of Cochrane; Ontario Geological Survey, Geological Report 219, 141 p.
- Teddy Bear Valley Mines Ltd. 1996. Ground Magnetic Survey, Nixon Bartleman claims, Sims Option. T-3810.

## CERTIFICATE OF QUALIFICATIONS

I, Todd Keast, of 109 William Ave., South Porcupine, Ontario, do hereby certify that:

1. I am the author of this report.
2. I am a graduate of The University Of Manitoba, Winnipeg, Manitoba, having received an Honors Bachelor of Science (Geology) in 1986. I have practised in the field of mineral exploration since 1987.
3. I am a Fellow of the Geological Association of Canada.
4. I am a member of the Canadian Institute of Mining, Metallurgy.
5. This report is based upon my personal review of all pertinent data, discussions with persons familiar with the project, and experience mapping the property.
6. I do not hold nor do I expect to receive any interest in the Sims Option.
7. I do not own nor do I expect to receive, directly or indirectly, any securities of Teddy Bear Valley Mines Ltd.

Dated at South Porcupine, Ontario this 1st day of April, 1997.



Todd Keast, B.Sc.

## **APPENDIX I**

**Assay results for Sims Option**





# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

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## Assay Certificate

6W-4930-RA1

Company: **TEDDY BEAR VALLEY MINES LTD**

Date: DEC-03-96


Project:

Attn: **A. Chater**

We hereby certify the following Assay of 49 Rock samples submitted NOV-19-96 by .

Sample Number	Au oz/ton	Au Check oz/ton
24134	Nil	-
24135	Nil	-
24136	0.064	-
24137	0.001	-
24138	0.056	-
24139	0.116	0.088
24140	0.001	-
24141	Nil	-
24142	0.017	0.015
24143	0.008	-
24144	0.002	-
24145	0.096	-
24146	0.039	-
24147	0.044	0.042
24148	0.109	-
24149	0.056	-
24150	0.060	-
15320	1.771	1.678
15321	1.472	1.461

One assay portion used

Certified by 

XRAL LABORATORIES

23-Nov-96

REPORT -----

WORKORDER 11896

PAGE 1

SAMPLE	MS PPM ICP 0.5	HA % ICP 0.01	NA2O % XRF-F 0.01	MO % ICP 0.01	MGO % XRF-F 0.01	AL % ICP 0.01	AL2O3 % XRF-F 0.01	SiO2 % XRF-F 0.01
15302	<.5	0.08	3.06	2.08	11.2	1.99	10.9	49.6
15303	<.5	0.11	2.63	0.43	5.13	0.87	13.4	51.4
15304	<.5	0.10	2.83	0.70	6.08	0.91	13.7	49.5
15305	1.2	0.07	2.63	3.57	7.62	0.99	18.5	48.4
15306	<.5	0.08	3.27	2.39	6.35	1.99	14.3	48.4
D 15307	<.5	0.07	--	2.27	--	1.75	13.6	55.2

SAMPLE	P % ICP 0.01	P2O5 % XRF-F 0.01	K % ICP 0.01	K2O % XRF-F 0.01	CA % ICP 0.01	CAO % XRF-F 0.01	SC PPM ICP 0.5	TI % ICP 0.01
15302	0.02	0.05	<.01	0.02	1.75	7.45	1.5	0.03
15303	0.04	0.11	0.04	0.51	0.61	8.70	3.8	0.07
15304	0.05	0.10	0.06	0.84	0.67	8.15	2.9	0.06
15305	0.02	0.04	0.08	0.97	0.56	11.4	1.3	0.03
15306	0.38	0.89	2.63	3.18	3.62	5.81	11.4	0.21
D 15307	0.12	0.25	0.45	2.55	2.18	5.81	2.3	0.16
D 15302	0.03	--	<.01	--	1.87	--	1.7	0.03

SAMPLE	TiO2 % XRF-F 0.001	V PPM ICP 2	CR PPM ICP 1	CR2O3 % XRF-F 0.01	MN PPM ICP 2	MNO % XRF-F 0.01	FE % ICP 0.01	FE2O3 % XRF-F 0.01
15302	0.573	62	460	0.14	521	0.18	2.50	10.4
15303	1.28	50	59	0.02	244	0.25	1.45	13.6
15304	1.27	55	66	0.02	213	0.21	2.07	14.6
15305	0.516	31	87	0.04	230	0.18	1.67	10.0
15306	0.944	178	199	0.03	931	0.13	9.74	9.70
15307	0.702	86	293	0.05	579	0.11	3.32	6.81
D 15302	--	68	487	--	567	--	2.76	--

SAMPLE	CO PPM ICP 1	NI PPM ICP 1	CU PPM ICP 0.5	ZN PPM ICP 0.5	AS PPM ICP 3	SR PPM ICP 0.5	Y PPM ICP 0.5	ZR PPM ICP 0.5
15302	30	123	54.4	41.9	<3	14.2	2.4	3.5
15303	7	17	18.1	19.3	<3	5.1	3.4	2.9
15304	17	39	35.8	21.9	<3	6.2	3.5	1.7
15305	30	99	31.7	17.7	<3	9.8	0.9	0.7
15306	33	56	116	118	<3	81.8	18.9	18.6
15307	23	151	6.2	76.0	<3	55.1	7.7	12.1
D 15302	20	136	55.3	65.7	<3	15.1	2.6	3.5

SAMPLE	MO PPM ICP 1	AG PPM ICP 0.2	CD PPM ICP 1	SM PPM ICP 10	SE PPM ICP 5	BA PPM ICP 1	LA PPM ICP 0.5	W PPM ICP 10
15302	2	0.3	<1	<10	<5	9	<.5	<10
15303	4	0.3	<1	<10	<5	6	<.5	<10
15304	3	0.2	<1	<10	<5	13	<.5	<10
15305	5	0.4	<1	<10	<5	22	<.5	<10
15306	2	0.6	<1	<10	<5	919	33.6	<10
15307	4	<.2	<1	<10	<5	255	37.8	<10
D 15302	<1	0.3	<1	<10	<5	9	<.5	<10

SAMPLE	PH PPM ICP 2	BI PPM ICP 5	LOI % XRF-F 0.01	SUM % XRF-F 0.1
15302	52	<5	4.65	98.2
15303	57	<5	0.50	97.5
15304	11	<5	0.65	97.9

DE : LABORATOIRE XRAL  
NOV-23-96 SAT 12:45 PM

XRAL LABORATORIES

NO FAX : 8197644673

FAX NO. 4164454152

11-25-96 10:37 P.04

F.03/03

XRAL LABORATORIES

23-Nov-96

REPORT

WORKORDER 11896

PAGE 2

SAMPLE	FB PPM	SI PPM	LOT %	SUM %
	ICP	ICP	KRF-F	KRF-F
	2	5	0.01	0.1
15305				
15306	7	<5	1.80	97.7
15307	30	<5	6.85	98.6
D 15302	16	<5	3.55	98.3
	57	<5	--	--



Established 1928

# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

## Geochemical Analysis Certificate

6W-3994-RG1

Company: **TEDDY BEAR VALLEY MINES LTD**

Date: OCT-10-96

Project:

Attr: **A. Chater**

We hereby certify the following Geochemical Analysis of 14 Rock samples submitted OCT-01-96 by .

Sample Number	Au PPB	Au Check PPB
- 20304	Nil	-
- 20305	12	-
- 20306	3	3
- 20307	Nil	-
- 20308	Nil	-
20309	5	-
- 20310	3	5
20311	7	-
- 20312	5	-
- 20313	3	-
- 20314	2	-
- 20315	Nil	-
20316	2	2
20317	3	-

One assay ton portion used.

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0  
Telephone (705) 642-3244 FAX (705) 642-3300



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Established 1928

Assaying · Consulting · Representation

## Geochemical Analysis Certificate

6W-4021-RG1

Company: **TEDDY BEAR VALLEY MINES LTD**

Project: **Kefer**

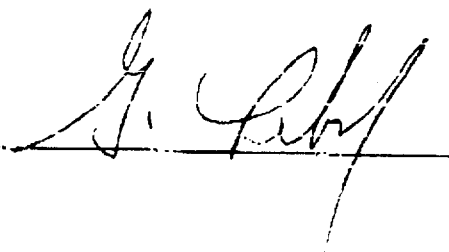
Date: OCT-10-96

Attn: **A.M. Chater**

We hereby certify the following Geochemical Analysis of 17 Rock samples submitted OCT-09-96 by .

Sample Number	A PPB	Au Check PPB
A-1	113	-
A-2	410	439
A-3	Nil	-
A-4	21	-
A-5	29	31
A-6	Nil	-
A-7	Nil	-
A-8	2	-
A-9	Nil	-
A-11	2	-
A-12	10	-
A-13	10	14
A-14	31	-
A-15	3	-
A-16	Nil	-
A-17	7	-
A-18	26	-

One assay ton portion used.

Certified by 

P.O. Box 10, Swastika, Ontario P0K 1T0  
Telephone (705) 642-3244 FAX (705) 642-3300



LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / A DIVISION OF SGS CANADA INC.  
129 AVE RÉAL CAQUETTE - C.P. 2283 - ROUYN-NORANDA - QUÉBEC J9X 5A9  
TÉL.: (819) 764-9108 FAX: (819) 764-4573

CERTIFICAT D'ANALYSE, CERTIFICATE OF ANALYSIS

Nom de la Compagnie/Company: Teddy Bear Mining Valley  
Bon de Commande No/ P.O. No:  
Projet/ Project No : Nixon B.  
Date Soumis/ Submitted : Nov 06, 1996  
Attention : Andrew Chater

R9810

Nov 11, 1996

No. D'Echantillon Sample No.	AU PPB	AU CHK PPB
---------------------------------	-----------	---------------

15302	7	
15303	13	
15304	3	2
15305	2	
15306	16	
15307	13	

Certifié par / Certified by : \_\_\_\_\_



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Established 1928

Assaying - Consulting - Representation

Page 1 of 2

## Assay Certificate

6W-4930-RA1

Company: **TEDDY BEAR VALLEY MINES LTD**

Project:


Date: DEC-03-96

Ann: **A. Chater**

We hereby certify the following Assay of 49 Rock samples submitted NOV-19-96 by

Sample Number	Au oz/ton	Au Check oz/ton
24103	0.226	-
24104	Nil	-
24105	0.001	-
24106	0.263	0.239
24107	0.008	-
24108	0.248	0.286
24109	0.020	-
24110	Nil	-
24111	0.001	-
24112	0.004	-
24113	0.028	-
24114	Nil	-
24115	0.001	-
24116	Nil	0.001
24117	Nil	-
24118	0.001	-
24119	Nil	-
24120	0.002	-
24121	0.001	-
24122	Nil	-
24123 24124TWO TAGS	0.001	-
24125	Nil	-
24126	0.001	Nil
24127	0.001	-
24128	0.001	-
24129	0.001	-
24130	Nil	-
24131	0.002	-
24132	0.001	-
24133	Nil	-

One assay portion used

Certified by 



Ministry of  
Northern Development  
and Mines

### Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) <i>W. 9760-00185</i>
Assessment Files Research Imaging

Personal information collected on this form under the Mining Act, the information is a public record. For questions about this collection of information, contact the Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario N2P 2L6.



42A05SW0009 2.17485 KEEFER

900

Mining Act. Under section 8 of the Act, the assessment work performed on mining land must be reported to the mining land holder. For more information, contact the Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario N2P 2L6.

**Instructions:** - For work performed on Crown Lands before recording a claim, use form 0240.  
- Please type or print in ink.

**2.17485**

**1. Recorded holder(s) (Attach a list if necessary)**

Name <i>WILLIAM SIMS</i>	Client Number <i>194697</i>
Address <i>392 PAISLEY BLVD. WEST</i>	Telephone Number <i>(416) 272-4983</i>
<i>MISSISSAUGA, ON L5B 2A6</i>	Fax Number
Name	Client Number
Address	Telephone Number
	Fax Number

**2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.**

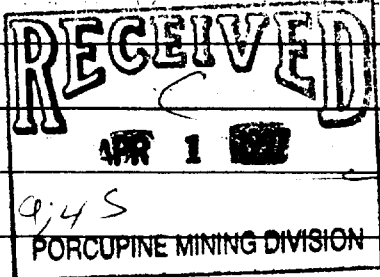
Geotechnical: prospecting, surveys, assays and work under section 18 (regs)       Physical: drilling, stripping, trenching and associated assays       Rehabilitation

Work Type <i>STRIPPING</i>	Office Use
	Commodity
	Total \$ Value of Work Claimed <i>\$ 46,638</i>
Dates Work Performed From <i>31 08 96</i> To <i>19 10 96</i>	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>Porcupine</i>
Township/Area <i>KEEFER / HILLARY</i>	Resident Geologist District <i>Timmins</i>
M or G-Plan Number <i>G-3237 G-1075</i>	

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;  
- provide proper notice to surface rights holders before starting work;  
- complete and attach a Statement of Costs, form 0212;  
- provide a map showing contiguous mining lands that are linked for assigning work;  
- include two copies of your technical report.

**3. Person or companies who prepared the technical report (Attach a list if necessary)**

Name <i>TODD KEAST</i>	Telephone Number
Address <i>109 WILLIAM AVE. SOUTH PORCUPINE P0N 1H0</i>	Fax Number
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



**4. Certification by Recorded Holder or Agent**

I, *TODD KEAST* (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>Todd Keast</i>	Date <i>April 1, 1997</i>
Agent's Address	Telephone Number
	Fax Number



5. Work to be recorded and distributed. Work can only be done on the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 P 28780	1	37310			37310
2 P 28781	1	8378			8378
3 P 28782	1	950			950
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		46638			46638

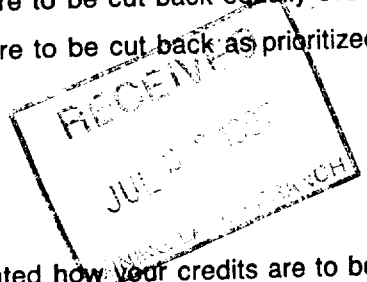
I, TODD KEAST (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: Todd Keast Date: April 1/1997

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):



Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

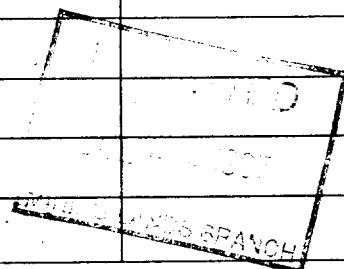
For Office Received <b>RECEIVED</b> APR 1 1997 PORCUPINE MINING DIVISION	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W. 9760. 00185

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 P <sup>G. 600071</sup> 28780	1	37310			37310
2 P <sup>G. 600072</sup> 28781	1	8378			8378
3 P <sup>G. 600073</sup> 28782	1	950			950
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		46638			46638

2. 17485



I, TODD KEAST (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: Todd Keast Date: April 1/1997

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

<b>For Office Use Only</b> Received Stamp: <b>RECEIVED</b> APR 1 1997 4145	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	



Statement of Costs for Assessment Credit

Transaction Number (office use) W. 9760.00185

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/98. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Table with 4 columns: Work Type, Units of Work, Cost Per Unit, Total Cost. Includes handwritten entries for STRIPPING, 2.17485, and Total Value of Assessment Work \$46,638.

Calculations of Filing Discounts:

- 1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work.

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification.

Certification verifying costs:

I, TODD KEAST, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as AGENT I am authorized to make this certification.

Date



Ministry of  
Northern Development  
and Mines

### Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) <i>W. 9760. 00186</i>
Assessment Files Research Imaging

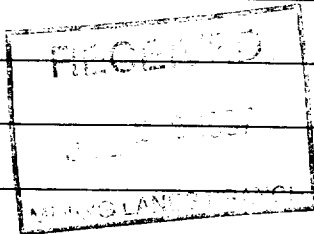
Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

- Instructions:**
- For work performed on Crown Lands before recording a claim, use form 0240.
  - Please type or print in ink.

**2.17485**

**1. Recorded holder(s)** (Attach a list if necessary)

Name <i>WILLIAM SIMS</i>	Client Number <i>194697</i>
Address <i>392 PAISLEY BLVD. WEST MISSISSAUGA, ON</i>	Telephone Number <i>416-272-4983</i>
<i>LSB 2AG</i>	Fax Number
Name	Client Number
Address	Telephone Number
	Fax Number



**2. Type of work performed:** Check (✓) and report on only ONE of the following groups for this declaration.

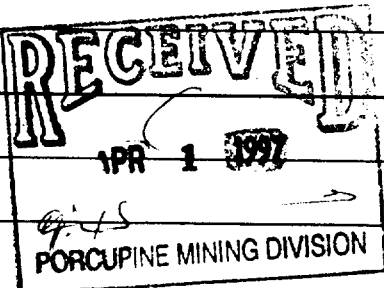
- Geotechnical: prospecting, surveys, assays and work under section 18 (regs)       Physical: drilling, stripping, trenching and associated assays       Rehabilitation

Work Type <i>GEOLOGY MAPPING, SAMPLING ASSAYING</i>	Office Use
Dates Work Performed From <i>31 08 96</i> To <i>19 10 96</i>	Commodity
Global Positioning System Data (if available)	Total \$ Value of Work Claimed <i>\$ 13,732.00</i>
Township/Area <i>KEEFER / HILLARY</i>	NTS Reference
M or G-Plan Number <i>G-3237 G-1075</i>	Mining Division <i>Porcupine</i>
	Resident Geologist District <i>Timmins</i>

- Please remember to:
- obtain a work permit from the Ministry of Natural Resources as required;
  - provide proper notice to surface rights holders before starting work;
  - complete and attach a Statement of Costs, form 0212;
  - provide a map showing contiguous mining lands that are linked for assigning work;
  - include two copies of your technical report.

**3. Person or companies who prepared the technical report** (Attach a list if necessary)

Name <i>TODD KEAST</i>	Telephone Number <i>705-235-2540</i>
Address <i>109 WILLIAM AVE. SOUTH PORCUPINE P0N 1H0</i>	Fax Number
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



**4. Certification by Recorded Holder or Agent**

*TODD KEAST* (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>Todd Keast</i>	Date <i>April 1/1997</i>
Address	Fax Number
Telephone Number	

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1	SEE ATTACHED LIST				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals					

2.17485

I, TODD KEAST (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing

X Todd Keast

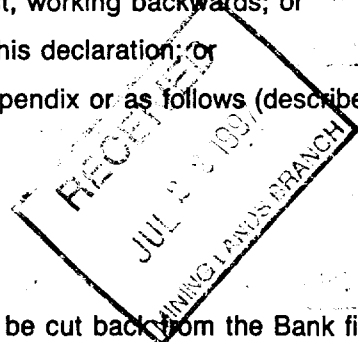
Date

April 1/1997

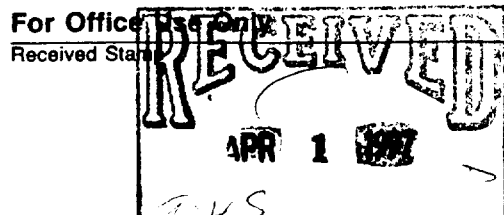
6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):



Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.



Deemed Approved Date	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)	





Statement of Costs for Assessment Credit

Transaction Number (office use) 119460.0086

Personal information collected on this form is obtained under the authority of subsection 8(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 833 Ramsey Lake Road, Sudbury, Ontario, P3E 8S5.

Table with 4 columns: Work Type, Units of Work, Cost Per Unit, Total Cost. Rows include Geology, Mapping, Report Writing, Assays, Associated Costs, Transportation Costs, Food and Lodging Costs, and Total Value of Assessment Work.

Calculations of Filing Discounts:

- 1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work.

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification.

Certification verifying costs:

I, Todd Keast, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as AGENT I am authorized to make this certification.

Signature: Todd Keast Date: April 1/97

July 23, 1997

Gary White  
Mining Recorder  
Ontario Government Complex  
P.O. Bag 3060, Hwy 101 East  
South Porcupine, ON  
P0N 1H0

Geoscience Assessment Office  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

Telephone: (705) 670-5853  
Fax: (705) 670-5863

Dear Sir or Madam:

**Submission Number:** 2.17485

**Status**

**Subject: Transaction Number(s):** W9760.00185 Deemed Approval  
W9760.00186 Deemed Approval

---

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

**NOTE:** This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at [beneteau\\_s@torv05.ndm.gov.on.ca](mailto:beneteau_s@torv05.ndm.gov.on.ca) or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY  
Blair Kite  
Supervisor, Geoscience Assessment Office  
Mining Lands Section



# Work Report Assessment Results

**Submission Number:** 2.17485

**Date Correspondence Sent:** July 23, 1997

**Assessor:** Steve Beneteau

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9760.00185	28780	KEEFER, HILLARY	Deemed Approval	June 30, 1997

**Section:**

10 Physical PSTRIP

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9760.00186	28779	KEEFER, HILLARY	Deemed Approval	June 30, 1997

**Section:**

12 Geological GEOL

**Correspondence to:**

Mining Recorder  
South Porcupine, ON

Resident Geologist  
South Porcupine, ON

Assessment Files Library  
Sudbury, ON

**Recorded Holder(s) and/or Agent(s):**

Todd Keast  
TIMMINS, ONTARIO

WILLIAM SIMS  
MISSISSAUGA, Ontario

**REFERENCES**

**AREAS WITHDRAWN FROM DISPOSITION**

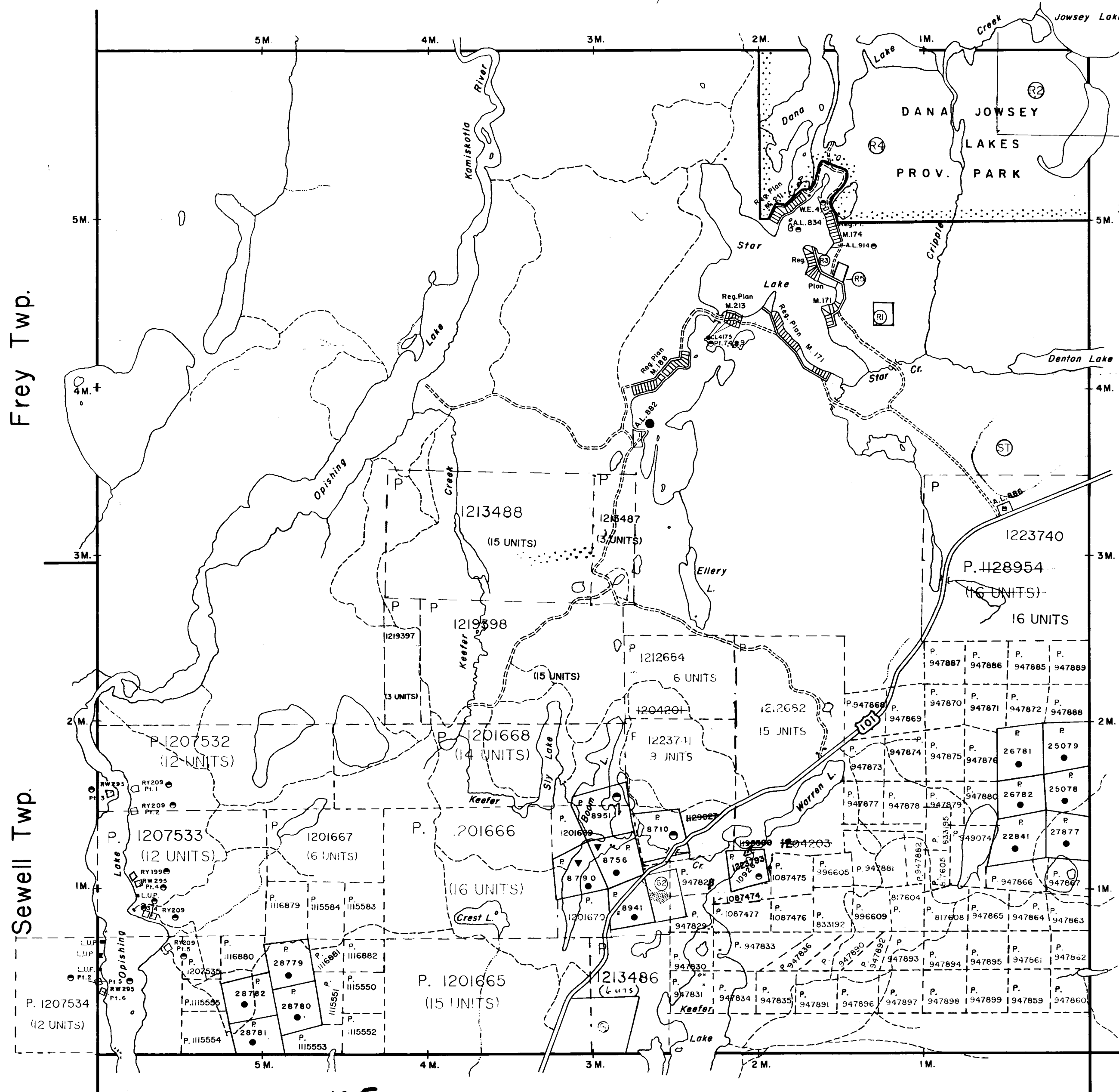
- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R) SEC. 43/70 W.26/77 H/3/77 S.R.O				188543
(R) SEC. 42/60		02/3/66	M.+S.	17506
(R) SEC. 42/60		10/7/66	M.+S.	14913
DANA AND JOWSEY LAKES PARK RESERVE				
JEC 36/80 W.66/83			M.+S.	
(R) DUMPING STATION				

**SAND AND GRAVEL**

- (M.T.C.) PIT 1593
- (G) GRAVEL FILE 44386
- (S) APPLICATION PENDING UNDER THE PUBLIC LANDS ACT. NOTICE RECEIVED 30.10.07/21. SNOWMOBILE TRAILS

**Whitesides Twp.**



2.17485  
GEOLOGICAL STRIP  
Hillary Twp.

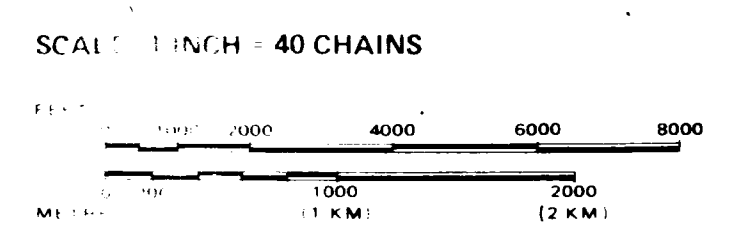
**LEGEND**

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON PERMANENT STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKOG	
MINES	
TRAVERSE MONUMENT	

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT SURFACE & MINING RIGHTS	●
PATENT SURFACE RIGHTS ONLY	○
PATENT MINING RIGHTS ONLY	◐
LEASE SURFACE & MINING RIGHTS	■
LEASE SURFACE RIGHTS ONLY	□
LEASE MINING RIGHTS ONLY	◑
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊘
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1931 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.



TOWNSHIP  
**KEEFER**  
M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
MINING DIVISION  
**PORCUPINE**  
LAND TITLES / REGISTRY DIVISION  
**COCHRANE**

2.17485

Ontario Ministry of Natural Resources Land Management Branch

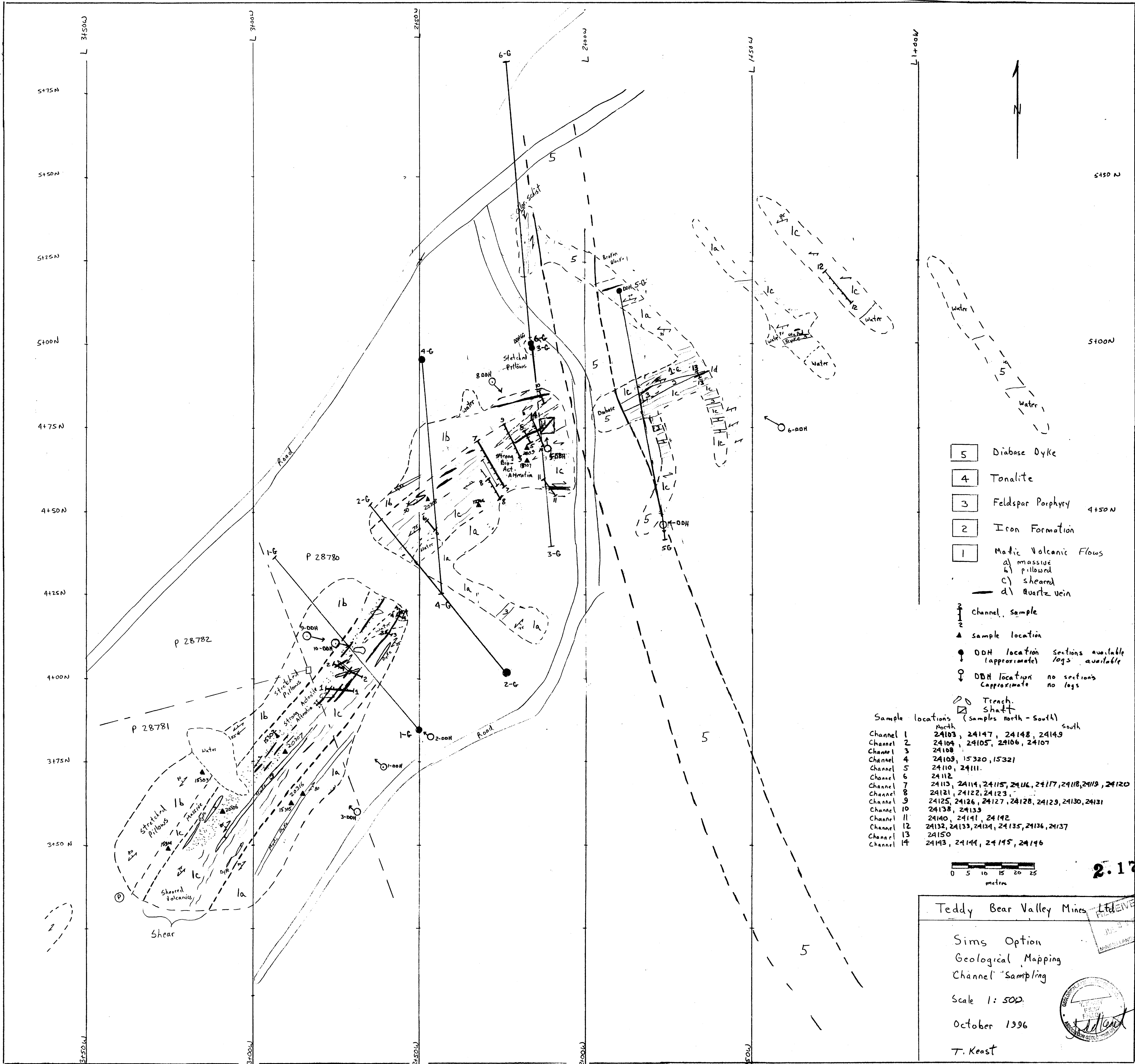
RECEIVED  
JUL 2 1985  
MINING DIVISION BRANCH

Date: MARCH, 1985  
Number: G-3237

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.





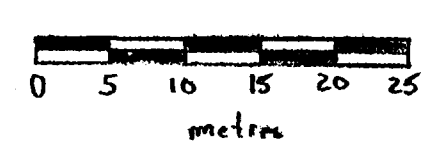


- 5 Diabase Dyke
- 4 Tonalite
- 3 Feldspar Porphyry
- 2 Iron Formation
- 1 Mafic Volcanic Flows
  - a) massive
  - b) pillowed
  - c) sheared
  - d) Quartz vein

- Channel Sample
- Sample location
- DDH location Sections available (approximate) logs available
- DDH location no sections (approximate) no logs
- Trench
- Shaft

Sample locations (samples north-south)

Channel	North	South
Channel 1	24103, 24147, 24148, 24149	
Channel 2	24104, 24105, 24106, 24107	
Channel 3	24108	
Channel 4	24109, 15320, 15321	
Channel 5	24110, 24111	
Channel 6	24112	
Channel 7	24113, 24114, 24115, 24116, 24117, 24118, 24119, 24120	
Channel 8	24121, 24122, 24123	
Channel 9	24125, 24126, 24127, 24128, 24129, 24130, 24131	
Channel 10	24138, 24139	
Channel 11	24140, 24141, 24142	
Channel 12	24132, 24133, 24134, 24135, 24136, 24137	
Channel 13	24150	
Channel 14	24143, 24144, 24145, 24146	



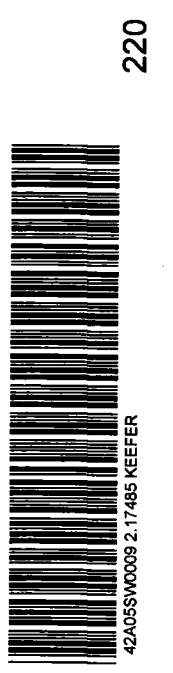
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Teddy Bear Valley Mines

Sims Option  
Geological Mapping  
Channel Sampling

Scale 1:500  
October 1996  
T. Keast

RECEIVED  
JUL 2 1997  
MINING DEPARTMENT



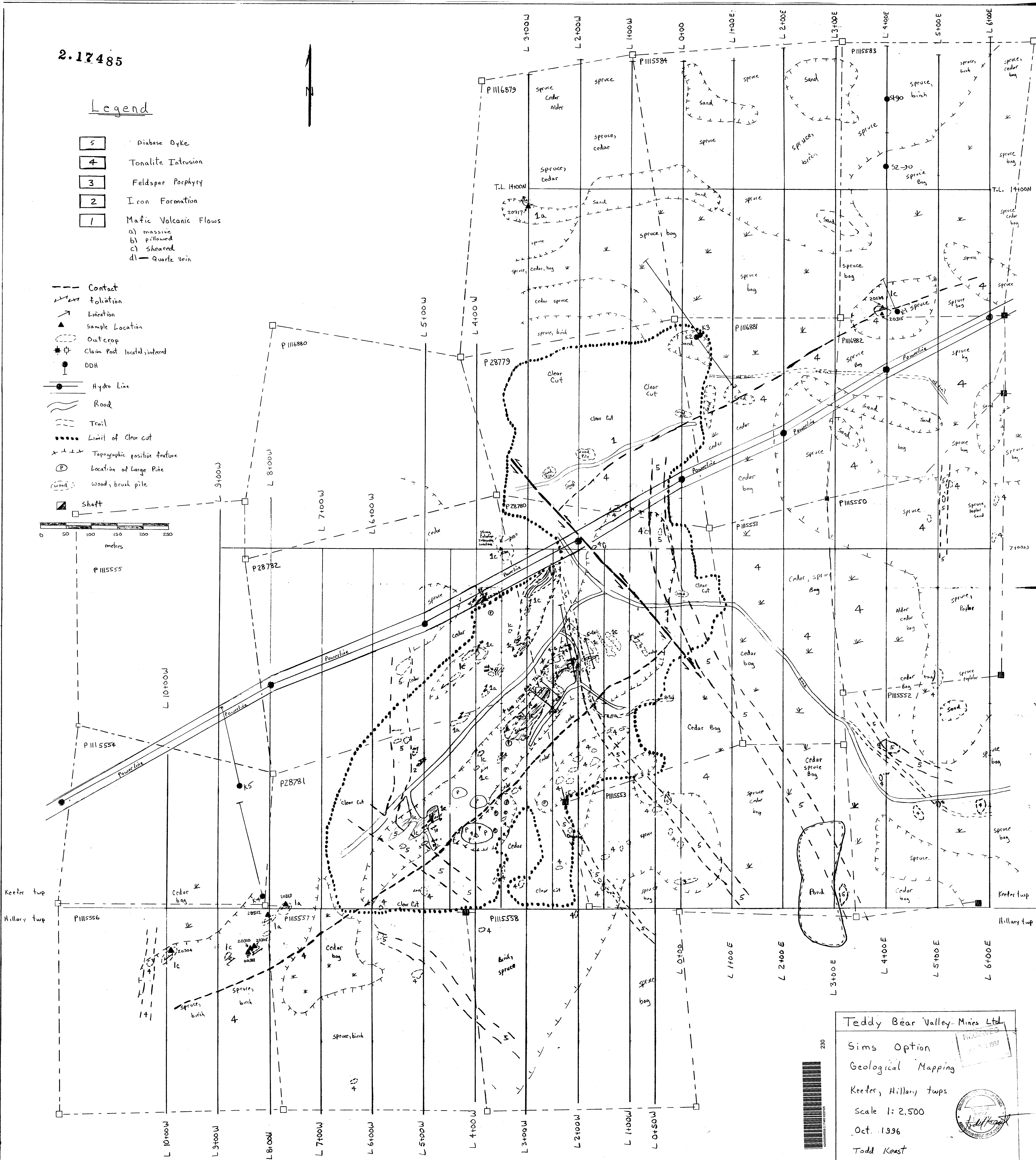
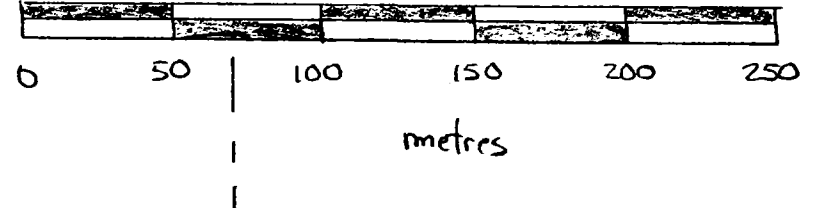


2.17485

Legend

- 5 Diabase Dyke
- 4 Tonalite Intrusion
- 3 Feldspar Porphyry
- 2 Iron Formation
- 1 Mafic Volcanic Flows
  - a) massive
  - b) pillowed
  - c) sheared
  - d) - Quartz Vein

- - - Contact
- ↘↘↘ Foliation
- Lincation
- ▲ Sample Location
- Outcrop
- ⊕ Claim Post local, interred
- DDA
- Hydro Line
- ~ Road
- - - Trail
- ..... Limit of Clear cut
- x + + + Topographic positive feature
- ⊙ Location of Large Pine
- (wood) Woody brush pile
- ▣ Shaft



Teddy Bear Valley Mines Ltd.  
Sims Option  
Geological Mapping  
Keeter, Hillary twps  
Scale 1:2,500  
Oct. 1996  
Todd Koest

