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# GEOLOGICAL / PROSPECTING REPORT AND MAPS

by  
A. J. M. Mowat  
P. E. Thorgimson

## GEOLOGICAL SETTING

The Separation Rapids pegmatite group lies almost entirely within the Separation Lake metavolcanic belt (SLB), which in this part of the Superior Province, constitutes the boundary zone between the high grade, metasedimentary-dominant English River Subprovince (ERS) to the north (Breaks 1991; Breaks and Bond 1993) and the granite-tonalite-dominant Winnipeg River Subprovince (WRS) to the south (Beakhouse 1991); see Figure 1. The SLB conceivably represents a highly attenuated, easterly extension of the Bird River

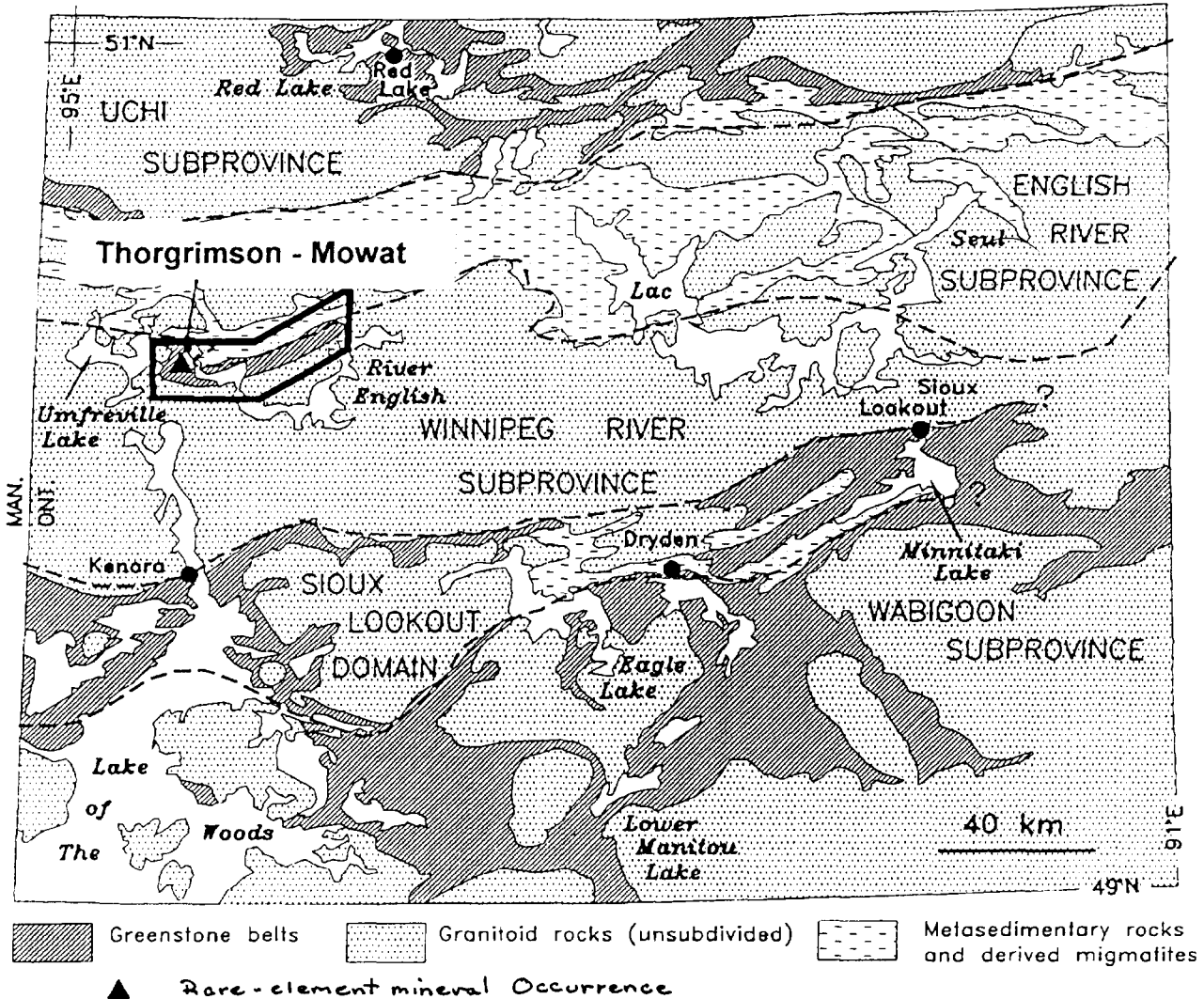


Figure 1. Location of Separation Lake area.

metavolcanic-metasedimentary belt of Manitoba (Cerny et al. 1981) which has an age span of 2740 to more than 2844 Ma (Timmins et al. 1985; Turek et al. 1996). The Bird River-Separation Lake belt system is noteworthy in being the locus for one of the highest concentration of rare-metal pegmatite mineralization in the Superior Province coupled with probably the greatest number of complex-type, petalite-subtype pegmatite occurrences in Canada (Cerny et al. 1981).

On the basis of a striking similarity in geological setting, age of emplacement and mineralogy, the Separation Rapids pegmatite group is regarded as the easterly extension of the Winnipeg River-Cat Lake pegmatite field of Manitoba into adjacent Ontario.

## RARE-METAL MINERALIZATION

The various rare-metal mineral occurrences that constitute the Separation Rapids Pegmatite Group are now divisible into two distinct clusters that are both spatially related to the Separation Rapids pluton (Figure 2) and are herein named:

1. eastern subgroup (2.5 km<sup>2</sup>)
2. southwestern subgroup (7.5 km<sup>2</sup>).

Geological and mineralogical characteristics of the eastern pegmatite subgroup have been previously reported (Breaks and Tindle 1994; Breaks and Pan 1995; Breaks and Tindle 1996 (a,b); Breaks et al. 1996,

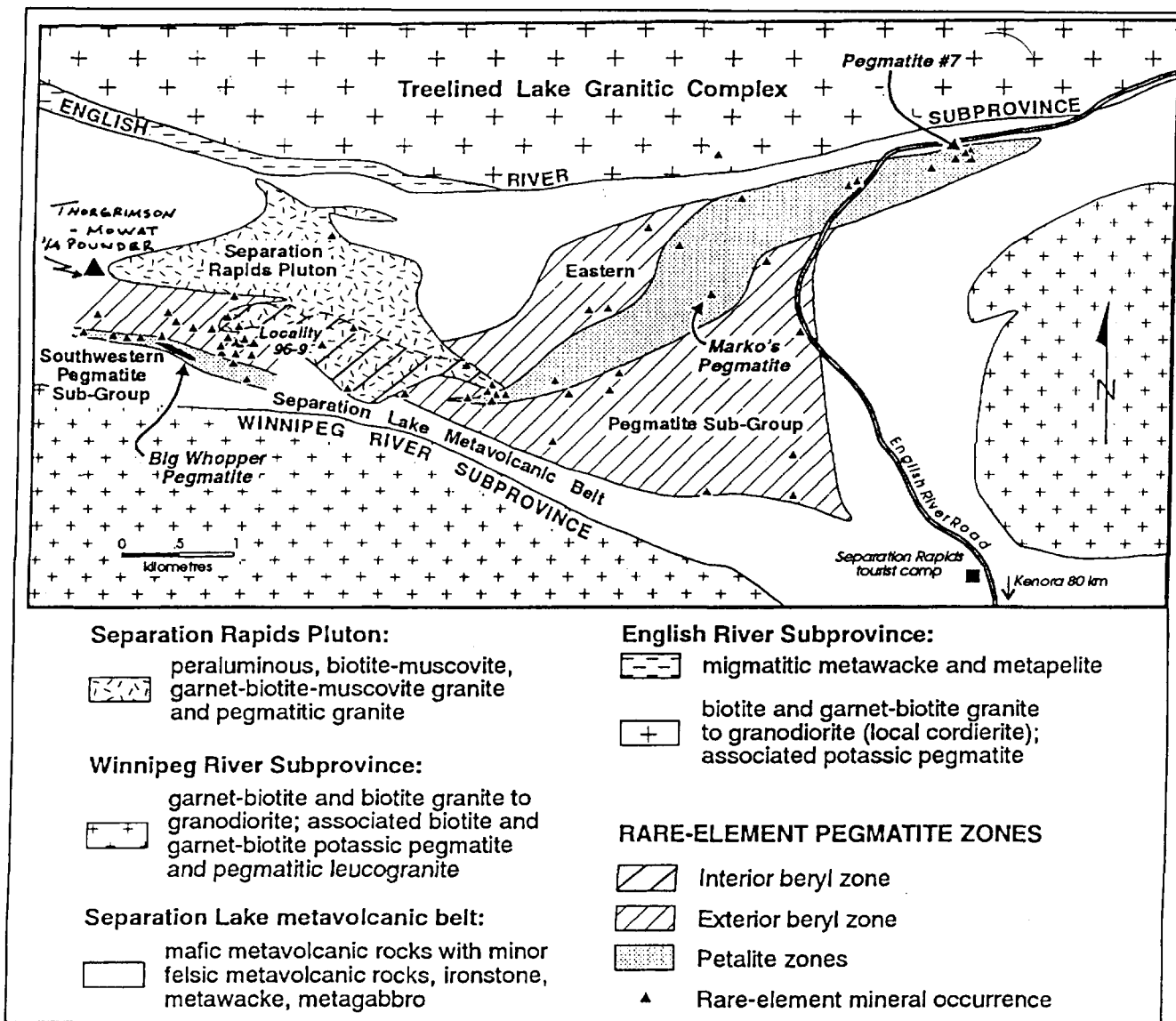


Figure 2. General geology of the Separation Lake metavolcanic belt and adjacent parts of English River and Winnipeg River subprovinces (after Blackburn and Young 1994a, b) and distribution of rare-metal pegmatite subgroups in relation to Separation Rapids pluton (parent granite).



Tindle and Breaks 1996). The most recent summary of mineralogy is given in Table 1. However, less information has been released to date on the southwestern pegmatite subgroup owing to its more recent discovery (Breaks and Tindle, 1996 b,c). The following section will therefore provide a summary of the detailed field investigations conducted on the southwestern pegmatite group which is now covered by claim-groups of Avalon Ventures Limited, Tanco Exploration and A. Mowat/P. Thorgrimson.

## Big Whopper Pegmatite System

The pegmatite system (Figure 3) comprises 5 relatively large petalite pegmatite lenses (6 by 56 m to 12 by 122 m) and swarms of much thinner pegmatites, mostly 1 to 10 m thickness, that occur *en-echelon* to these lenses. The presence of this smaller pegmatite population also characterizes the extreme eastern part of the zone (east part of Avalon claim 1178349 and the adjacent claim to the east of Tanco Exploration). For the entire population of petalite pegmatites, a 1350 m strike length and maximum breadth of 160 m has been defined, making this, by far, the most significant lithium-rich complex-type pegmatite system ever found in Ontario.

The most impressive part of the mineralized zone is a single mass named the Big Whopper Pegmatite, lensoid in plan which is at least 350 m in strike length and up 60 m thick. To the west of this large pegmatite mass, the zone narrows significantly such that a 15 m breadth is apparent (Avalon Ventures Ltd., news-release, August 21, 1997). This WSW-striking zone of petalite pegmatites extends from the main mass for a distance of 750 m to the west and comprises 4 pegmatite lenses (see Figure 3):

Great White North Pegmatite: 27 by 55 m

Bob's Pegmatite: 15 by 84 m

Swamp Pegmatite: 6 by 56 m

West Pegmatite: 12 by 122 m.

The western limit for the Big Whopper pegmatite system is not definitively established due to poor exposure beyond the West Pegmatite. Dispersion of lithium in mafic metavolcanic rocks, however, has been established on the claim-block of A. Mowat and P. Thorgrimson adjacent to Avalon Ventures Ltd. claim 1178306 and situated about 500 m west of the West Pegmatite (see Figure 3). Here it was noted that several *en-echelon* fractures were subtly coated with holmquistite, possibly attesting to a nearby lithium-rich pegmatite source. Narrow aplite dykes at the same locality contain scant, locally emerald-green beryl crystals up to 3 by 4 mm.

## Internal Zonation

Within the Big Whopper Pegmatite, petalite principally occurs in two rock units:

1. Potassium-feldspar-petalite assemblage (minor quartz and muscovite)
2. Monomineralic lenses in garnet-muscovite aplite.

The first unit contains the large bulk of petalite with modal range for the mineral between 22 and 47 % and averages 37 % over 60 m, as estimated by the authors from the increment bulk  $\text{Li}_2\text{O}$  analyses of Avalon Ventures (Don Bubar, president, Avalon Ventures Ltd, personal communication 1997).

This assemblage commonly grades into zones that reveal alternation of the potassium-feldspar-petalite assemblage with lenses of much finer-grained, muscovite aplite.

The second unit is not common and is characterized by pink petalite layers, 2 to 4 cm thick, hosted within an orange garnet-quartz-muscovite-albite aplite.

(Breaks and Tindle, 1997)



ONTARIO GEOLOGICAL SURVEY

Open File Report 5966 - REFERENCE

Rare-Metal Exploration Potential of the Separation Lake Area: an  
Emerging Target for Bikita-Type Mineralization in the Superior Province of  
NW Ontario

by

F.W. Breaks and A.G. Tindle

1997

Parts of this publication may be quoted if credit is given. It is recommended that reference to this publication be made in the following form:

Breaks, F.W. and Tindle, A.G. 1997. Rare-metal exploration potential of the Separation Lake area: an emerging target for Bikita-type mineralization in the Superior Province of Ontario; Ontario Geological Survey, Open File Report 5966, 27p.

## INTRODUCTION

A. PROPERTY NAME: Thorgrimson / Mowat- ¼ Pounder Rare Elements (RE).

B. PROPERTY LOCATION:

1. Township / Area – Paterson Lake Area
2. Mining Division and District – Kenora
3. Mining Claim Group Description –

- a) Claim Group No. 1 = 1149784  
                   No. 2 = 1149785  
                   No. 3 = 1149786  
                   No. 4 = 1178427  
                   No. 5 = 1178880  
                   No. 6 = 1178881  
                   No. 7 = 1178882  
                   No. 8 = 1178883  
                   No. 9 = 1178884

Total claim units 9 (+/- 432 ha.)

- b) NTS – 52 L/7
- c) Latitude 50 degrees -15 minutes and  
       Longitude 94 degrees – 30 minutes
- d) Ownership: 50% by **Phillip E. Thorgrimson**(H.13812) and 50% by  
       **Alasdair J. Mowat**(A.39679)
- e) Recording Claim Map reference (copy enclosed) is Paterson Lake Area – **M.2531, G.2634.**

C. PROPERTY ACCESS: By road, north of the Town of Kenora, on the Reddit Hwy to the English River gravel road ( 64 km post), then 12 kilometers west on the Sand Lake road, turning north on the Snook Lake timber road to the centre of the claim group. Total traveled distance is 116 kilometers (by air travel 60 km). Numerous overgrown trails dissect the property, lending additional access.

D. PROPERTY DESCRIPTION:

- (a) **Vegetation** – The predominate tree types are jack pine, spruce, hemlock, poplar, white birch and ash. Approximately one third of the property has been timber harvested- earlier 1990's- with regeneration of pines and spruce. The remaining stands of timber – some species; i.e., hemlock – have been subjected to insect infestations and wind blowdown.

(b) **Terrain** – The prospect lies within the typical northern Ontario terrain, noted for its undulating topography. Steep fault escarpments mark a majority of the valleys, running about 100-degree azimuth. Traversing these predominate features, at approximately 50-degrees, are similar but shallower.

(c) **History:** The only noted exploration activity in the area was done by Champion Bear Resources in the early 1990's. They focused on based-metals and gold, without success.

In July 1996, Dr. Breaks and Tindle released their OGS Open File Report 5946, New Discovery of Rare- Element Pegmatite Mineralization, Separation Lake Area, Northwestern Ontario. This release drew attention to the region, leading to Rare Element discoveries by Avolon and by the authors.

PROJECT: 1/4 POUNDER RE PROSPECT- Thorgrimson-Mowat  
 PATERSON LAKE AREA - G. 2634  
 KENORA MINING DIVISION - NTS 52 L7  
 PROSPECTING SURVEY OF MINING CLAIM  
 1178880, 1178881, 1178882, 1178883, 1149784,  
 1149785, 1149786 and 1178427.  
 DATE: NOVEMBER 1997.

**LEGEND**

**PHANEROZOIC**

CENOZOIC

QUATERNARY

PLEISTOCENE

Till, clay, sand and gravel















Unconformity

**PRECAMBRIAN**

ARCHEAN

- pD Pegmatite Dykes - intrusives
- gl Granitic Intrusives
- mS Metasediments - mechanical / chemical
- fV Felsic Volcanics - extrusives
- mV Mafic Volcanics - extrusives

Symbols Denote :  
Geological

-  Rock Outcrop
-  Interpreted geological boundary
-  Foliation - strike and dip
-  Escarpment
-  Undefined Geological fold axes showing direction of plunge
-  6099 Numbered rock sample location
- S** Sulphides
-  Fault
-  110 Contact strike (dip unknown)
- Claim corner post
- W.P. Claim witness post
- Claim line post
- Claim Boundary
- Base Line
-  Prospecting traverse
- B.D.** Beaver dam
-  Stream with flow direction
-  Intermittant stream
-  Bush road / Trails
-  Marsh Area
-  Wet Area

## E. GEOLOGICAL / PROSPECTING SURVEYS:

### 1. Objective –

To establish an overview of the property's economical merit. This can be accomplished by locating, within the property, exposed RE pegmatite via geological and prospecting activities.-

- a) Mr. Mowat was responsible for geological mapping and
- b) Mr. Thorgrimson was responsible for prospecting and outcrop stripping.
- c) Resulting from their individual efforts was a compilation of their field data. The analyses will be presented in the form of maps, plans and report.

## F. GEOLOGY DESCRIPTION: (Legend enclosed)

For this phase of field reconnaissance, the geology has been simplified to six units that follow:

### **Phanerozoic, Cenozoic, Quarternary, Pleistocene**

- these unconsolidated sedimentary units consisting of glacial till, clay, sand and gravel – existing in various combinations, overlie about +/- 90% of the explored property. Rock exposure is minimized to +/- 10% over the east half of the project area.

### **Precambrian, Archean**

- **Pegmatite Dykes (intrusive) – pD:**  
For this phase of exploration, all defined and undefined intrusive pegmatitic dykes have been placed under this heading.
- **Granitic Intrusive – gl:**  
There are two basic units. The unit located at the southwest corner of claim number 1149784 is barren uneconomic granite – Winnipeg River Subprovince identified as gl and the parent RE Separation Rapids Pluton (SRP) exposed at the southeast corner of claim number 1178427 identified as pD, gl.
- **Metasediments (mechanical / chemical) – mS**  
These units of narrow dimension and undefined length, occupy about +/- 3% of the rocks located, to-date. The dominant rock unit is felsic greywacke.
- **Felsic Volcanics (extrusives) – fV:**  
Only several of these particular rock units are found along the northeast corner of claim number 1178880 and 1178883.
- **Mafic Volcanics (extrusives) – mV:**  
This is the dominant exposed rock unit consisting of bedded pillow and massive flows and tuffs.

**Alteration:**

Excluding the Winnipeg River Subprovince granitic intrusion, all other units have been subjected to various degrees of chemical alteration. Noteworthy is the development within the mafic volcanics of the minerals diopside and biotite, which are found adjacent to the majority of the RE dykes and in areas with no visible dyke exposure. This particular alteration phenomenon is found, where exposed, across the width and length of the property.

**Structure:**

The mafic volcanics have been tightly foliated with an orientation of +/- 110 degrees. The dominant fault direction is +/- 80 degrees intersected by various parallel acute and oblique angled fault features.

Lying to the north is an indicated northwesterly plunging fold - a synclinal structure suggested.

**Mineral Commodity Sought:**

Rare Elements (metals) – Be, Cs, Li, Nb, Sn and Ta. (

## G. WORK DONE:

From May 17 to Nov. 09, 1997, the following work was performed by the two following co-owners and OPAP recipients:

	Thorgrimson	Mowat	Total
1. Prospecting Days	30	-	30 ✓
2. Geological Days	-	60	60 ✓
3. Geochemical Days	-	1	1 ✓
4. Stripping –			
a) Manuel Days	31	-	31
b) Mech. Days	6	-	6
5. Other-			
a) Property Visits	-	1	1
b) Report, Plans	<u>10</u>	<u>10</u>	<u>20</u>
	77	72	<b>149 Days</b>
6. Field Traverses by compass, pace & hip chain along N.E & E.W. lines & at 100m line spacing	48km	77km	125km
7. BL 0+000 from 0+200W to 1+500E and from 0+200N to 0+200S	4km	11km	<u>15</u> <b>140km</b>
8. Analyses			
-rock	25	40	65
-soils	<u>-</u>	<u>2</u>	<u>2</u> 67
-cost	\$1,636.65	\$1,636.65	<b>\$3,273.30</b>
9. Consumable Supplies	-	\$109.76	<b>\$109.76</b>
10. Contract Services Mech. (Timber Jack)	\$2,000.00	-	<b>\$2,000.00</b>



11. Travel-Road			
a) Truck (km)	18,026	5,186	<b>23,212 km</b>
b)cost @ \$.30/km	\$5,407.80	\$1,555.80	<b>\$6,963.60</b>
12. Food and			
Accomm.: (77x \$25)		(72x \$25)	
Days x \$25/diem	\$1,925.00	\$1,800.00	<b>\$3,725.00</b>
13. Other Expenses			
Stationary exp.	\$163.72	-	<b>\$163.72</b>
14. Total	<b>\$18,833.17</b>	<b>\$12,302.21</b>	<b>\$31,135.38</b>
Expenditures			

## RESULTS:

As a result of seven months of geological / prospecting activities with the removal of sixty-five non-selective rock grab samples (8 from mV), the chemistry indicates ninety (90) percent of the samples are RE anomalous with twenty-four (24) percent highly anomalous in Tantalum ( Ta). These grab samples were taken from partially exposed dykes – a half-meter to over fifty meters in width and up to eighty meters in exposed length. Anomalous lithium is present as exemplified by sample number 6059, which contains about ninety – five percent (95%) petalite.

At this time, exploration is concentrating on the anomalous RE zone found within claim boundaries of 1178427 and 1149784. The zone is approximately three hundred meters by two thousand meters in strike length, as noted on grid plans. This area represents ten percent (10%) of the property holding.

The following is an example of some of the other anomalous elements:

<u>Sample</u>	<u>Element</u>	<u>ppm</u>
6084	Be	400
6086	Cs	435
6072	F	2300
6099	Li	5000
6056	Nb	447
6059	Rb	2090
6067	Sn	500
6071	Ta	570

## **Recommendations :**

As a result of prospecting activities leading to discovery, the next exploration phase will consist of detail line – cutting (110 Km), geophysics (mag / EM and radiometrics), prospecting diamond drilling evaluation – geology / assaying - , hydraulic stripping, et cetera. Estimated cost of this program is plus \$ 317,165. (re: budget proposal).

Report By:

  
Alasdair J.M. Mowat

  
Phillip E. Thorgrimson

December 4, 1997

**Special Thanks To:**

In conclusion, exploration is continuing and is supported by the following parties:

1. Dr. Fred Breaks,. OGS, Sudbury. Supportive interpretation and additional analytical reviews.
2. Mr. Peter Hinz, MNDM Kenora Resident Geologist and staff.
3. Mr. Dick Beard, MNDM Kenora Mining / Mineral Co-ordinator.
4. Mr. Carmen Storey, MND Red Lake Geologist.
5. Mr. Reg Seylar, consulting geologist, Red Lake.(overview)
6. CHEMEX Labs Ltd. 212 Brooksbank Av., North Vancouver, B.C., analytical chemistry.

Documents in the form of scaled plans and assay results are enclosed.



# CHEMEX LABS FAX COVER SHEET

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North Vancouver, British Columbia  
Canada V7J 2C1

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Fax: (604) 984-0218

Number of pages (including this page): 1

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SENDER:	<i>Down</i>

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<i>I9750444</i>	<i>- \$</i>	<i>118.24</i>
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<i>I9749408</i>	<i>-</i>	<i>275.26</i>
<i>I9749407</i>	<i>-</i>	<i>568.22</i>
<i>I9748062</i>	<i>-</i>	<i>163.44</i>
<i>I9747577</i>	<i>-</i>	<i>13.38</i>
<i>I9744080</i>	<i>-</i>	<i>378.14</i>
<i>I9743792</i>	<i>-</i>	<i>71.96</i>
<i>I9743791</i>	<i>-</i>	<i>1409.40</i>
<i>Total</i>	<i>\$</i>	<i>3273.30</i>

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Chemex charges clients \$0.50 per page of analytical results faxed within North America and \$2.00 per page faxed outside North America (billed monthly).

Project: 1/4 Pounder  
 Property Location: Separation Rapids  
 Property: Thorgrimson- Mowat

Sample #	Sample Location	Sample Description
6051	0+030E - 0+110N	○ - pD - 1 <sup>m</sup> X STRIKE LENGTH - 5 <sup>m</sup> @ 120° - DIP 80°N
6052	0+185E - 0+140N	○ - pD - 1/2 <sup>m</sup> X STRIKE EXPOSURE - 5 <sup>m</sup> @ 100°
6053	0+230E - 0+205N	○ - pD - 3 <sup>m</sup> X STRIKE EXPOSURE - 6 <sup>m</sup> @ 210° (cpy-Tr)
6054	0+335E - 0+185N	○ - pD - 30 <sup>m</sup> X 50 <sup>m</sup> S. EXPOSURE
6055	0+430E - 0+080N	○ - pD - 1 <sup>m</sup> X STRIKE EXPOSURE - 5 <sup>m</sup> @ 110°
6056	0+395E - 0+050N	○ - pD - 10 <sup>m</sup> X STRIKE EXPOSURE - 40 <sup>m</sup> E/W
6057	0+690E - 0+150S	○ - pD - 2 DYKES - 1/2 & 1/4 <sup>m</sup> WIDE X 3 <sup>m</sup> EXPOSURE @ 102°
6058	0+695E - 0+120S	○ - pD - EXPOSURE - 8 <sup>m</sup> WIDE X 8 <sup>m</sup> STRIKE LENGTH @ 026°
6059	0+810E - 0+185S	○ - pD - 2 DYKES - EXPOSURE 2 <sup>m</sup> X 2 <sup>m</sup> (OGS SL 015)
6060	1+355E - 0+245S	○ - pD, gI - EXPOSURE - 15 <sup>m</sup> STRIKE LENGTH @ 110° X 6 <sup>m</sup>
6061	1+425E - 0+250S	○ - pD, gI - EXPOSURE - (do.)
6062	1+530E - 0+250S	○ - pD, gI - EXPOSURE - 15 <sup>m</sup> X 15 <sup>m</sup>
6063	1+575E - 0+165S	○ - pD, gI - 40 <sup>m</sup> ALONG CLAIM BOUNDARY BY 25 <sup>m</sup>
6064	1+580E - 0+180S	○ - pD, gI - do.
6065	1+415E - 0+140S	○ - pD, gI - EXPOSURE - 20 <sup>m</sup> X 15 <sup>m</sup>
6066	1+250E - 0+090S	○ - pD, gI - EXPOSURE - 20 <sup>m</sup> X 15 <sup>m</sup>
6067	1+065E - 0+125S	○ - pD - EXPOSURE - 1 <sup>m</sup> WIDE BY 5 <sup>m</sup> STRIKE LENGTH @ 092°
6067.A	0+285E - 0+105S	○ - pD - EXPOSURE - 5 <sup>m</sup> N/S. X 10 <sup>m</sup> E.W.
6068	1+065E - 0+110S	□ - mV - EXPOSURE - 10 <sup>m</sup> X 10 <sup>m</sup>
6069	1+070E - 0+085S	○ - pD - EXPOSURE - 10 <sup>m</sup> N/S X 25 <sup>m</sup> LONG E/W
6070	0+920E - 0+055S	○ - pD - EXPOSURE - 15 <sup>m</sup> X 15 <sup>m</sup>
6071	0+860E - 0+070S	□ - mV - EXPOSURE - 15 <sup>m</sup> N/S X 40 <sup>m</sup> E/W
6072	0+860E - 0+070S	○ - pD - EXPOSURE - 2 <sup>m</sup> N/S X 5 <sup>m</sup> E/W
6073	0+300W - 0+410S	○ - pD - EXPOSURE - 10 <sup>m</sup> E/W X 15 <sup>m</sup> N/S
6074	0+290W - 0+670N	○ - pD, gI - EXPOSURE - STOCK - 25 <sup>m</sup> X 25 <sup>m</sup>
6075	0+290W - 0+585N	○ - pD, gI - EXPOSURE - 5 <sup>m</sup> X 5 <sup>m</sup>
7076	0+290W - 0+360N	○ - pD - EXPOSURE - 10 <sup>m</sup> X 15 <sup>m</sup> N/S
6077	0+020W - 0+055S	□ - mV - EXPOSURE - STRIKE 120° - DIP 79°N - B10, Dip. Hoimg.
6078	0+020W - 0+040S	○ - pD - EXPOSURE - 1 <sup>m</sup> X STRIKE LENGTH 12 <sup>m</sup> @ 100°
6079	0+120E - 0+015S	□ - mV - EXPOSURE - BEDDING CONTACT 076°
6080	0+125E - 0+025S	○ - pD - EXPOSURE - 1/2 <sup>m</sup> WIDE X STRIKE LENGTH - 10 <sup>m</sup> @ 115°
6081	0+005E - 0+120N	○ - pD - EXPOSURE - 1 <sup>m</sup> WIDE X 5 <sup>m</sup> STRIKE LENGTH @ 125°

Project: 1/4 Pounder  
 Property Location: Separation Rapids  
 Property: Thorgrimson-Mowat

Sample #	Sample Location	Sample Description
6082	0+020W-0+110N	○ - pD - EXPOSURE - 6 <sup>m</sup> WIDE X 25 <sup>m</sup> @ 030°
6083	0+030W-0+100N	□ - mV - EXPOSURE
6084	0+040W-0+095N	○ - pD - EXPOSURE - 6 <sup>m</sup> WIDE X 25 <sup>m</sup>
6085	0+275W-0+100N	□ - mS - EXPOSURE - 1 <sup>m</sup> WIDE - STRIKE @ 119°
6086	0+035W-0+030S	○ - pD - EXPOSURE - 1/2 <sup>m</sup> WIDE X 4 <sup>m</sup> . Beryl.
6087	0+025W-0+130N	○ - pD - EXPOSURE - 3 <sup>m</sup> X 3 <sup>m</sup>
6088	0+090W-0+030S	○ - pD - EXPOSURE - 10 <sup>m</sup> X 10 <sup>m</sup> @ 136°. Diop., bio
6089	0+115W-0+025S	○ - pD - EXPOSURE - 1 <sup>m</sup> X 5 <sup>m</sup> E/W
6090	0+110E-0+195N	○ - pD - EXPOSURE - 3 <sup>m</sup> X 15 <sup>m</sup> STRIKE @ 102°
6091	0+085E-0+195N	○ - pD - EXPOSURE - 1/2 - 1 <sup>m</sup>    DYKELETS
6092	0+055E-0+215N	○ - pD - EXPOSURE - 5 <sup>m</sup> X 5 <sup>m</sup> @ 074°
6093	0+035E-0+220N	○ - pD - EXPOSURE - 10 <sup>m</sup> N/S BY 50 <sup>m</sup> E/W
6094	0+020W-0+205N	○ - pD - EXPOSURE - 1 <sup>m</sup> X 10 <sup>m</sup> E/W
6095	0+050W-0+200N	○ - pD - EXPOSURE - 2 - 1/2 <sup>m</sup> X 1/2 <sup>m</sup> - CLEAN CONTACTS
6096	0+450W-0+190N	○ - pD, gI - EXPOSURE - 10 <sup>m</sup> N/S X 15 <sup>m</sup> .
6099	0+140E-0+015N	○ - pD - EXPOSURE - 25 <sup>m</sup> N/S X 70 <sup>m</sup> E/W
6101	0+805E-0+025S	○ - pD - EXPOSURE - 50 <sup>m</sup> N/S X 60 <sup>m</sup> E/W
6102	0+325E-0+075N	○ - pD - EXPOSURE - 75 <sup>m</sup> N/S X 35 <sup>m</sup> E/W
66601	0+040W-0+005S	□ - mV - EXPOSURE - 15 <sup>m</sup> N/S X 30 <sup>m</sup> E/W
66602	0+065E-0+005S	□ - mV - EXPOSURE - 15 <sup>m</sup> N/S X 45 <sup>m</sup> E/W
66603	0+055E-0+015S	○ - pD - EXPOSURE - 1/2 <sup>m</sup> X 30 <sup>m</sup> STRIKE @ 100°
66604	0+040W-0+150S	○ - pD - EXPOSURE - 1 <sup>m</sup> X 20 <sup>m</sup> STRIKE @ 120°
66605	0+170W-0+370N	○ - pD, gI - EXPOSURE - 20 <sup>m</sup> N/S X 40 <sup>m</sup> E/W
66606	0+965E-0+085S	○ - pD - EXPOSURE - 10 <sup>m</sup> N/S X 20 <sup>m</sup> E/W
	OTHER	
6097	20 <sup>m</sup> N.W. OF #2 POST CLAIM 117881	□ - mS - EXPOSURE - 1/2 <sup>m</sup> N/S X 10 <sup>m</sup> E/W. f.g. siliceous g.d. ± 20% fig. dia. 5.
6098	25 <sup>m</sup> N.W. OF #2 POST CLAIM 117882	○ - pD - EXPOSURE - 10 <sup>m</sup> N/S X 100 <sup>m</sup> E/W
66607	150 <sup>m</sup> N.W. OF #3 POST CLAIM 117883	○ - pD, gI - EXPOSURE - 70 <sup>m</sup> N/S X 100 <sup>m</sup> E/W
66608	400 <sup>m</sup> N.W. OF DEAD GOOSE LAKE - WEST END	○ - pD - EXPOSURE - 1 <sup>m</sup> X 5 <sup>m</sup> E/W
	SOILS	
SR6054A	0+330E-0+180N	Δ - "A" HUMUS
SR6056A	0+390E-0+065N	Δ - "A" HUMUS

Project: 1/4 Pounder - Rare Element Project  
 Property Location: Separation Rapids  
 Property: Thorgrimson- Mowat  
 Note: all samples are measured in ppm  
 December 1, 1997.

Sample #	Fe%	F	Sn	Li	Be	Ba	Cs	Cr	Nb	Rb	Sr	Ta	Y	Zr
6051	0.10	60	2	7	5.8	9	4	94	36	55	8	22	12	30
6052	0.15	20	115	8	6.6	34	8	125	53	128	9	26	17	23
6053	0.15	20	4	10	17	10	18	178	32	737	4	11	16	17
6054	0.25	100	2	44	6	18	44	100	98	897	14	117	19	18
6055	0.60	40	14	32	12.6	28	30	96	118	185	68	39	21	23
6056	0.15	1370	12	380	5.2	6	231	104	447	1690	2	155	277	296
6057	0.40	150	14	88	8.8	24	24	152	60	433	3	30	7	52
6058	0.10	40	8	22	4	6	23	84	44	904	3	45	7	34
6059	0.10	90	110	4400	76	7	25	78	15	2090	4	37	<1	33
6060	0.50	100	2	116	46	6	76	109	106	461	1	31	23	18
6061	0.45	340	2	232	32	11	174	102	126	1480	1	52	69	20
6062	0.30	170	<2	68	7.6	7	25	200	52	384	1	11	9	6
6063	0.20	390	2	124	2.4	6	42	188	37	798	1	9	7	9
6064	0.15	200	5	56	2.2	8	111	154	17	1530	2	11	1	11
6065	0.60	350	4	148	14	5	63	144	51	665	2	10	15	15
6066	0.50	270	2	180	38	8	63	157	64	636	2	19	21	13
6067	0.10	40	500	132	22	11	6	92	20	66	13	47	1	29
6067A	0.20	70	39	50	39	28	1	138	7	34	35	23	3	8
6068	0.85	610	<2	136	0.6	65	20	260	2	73	77	<1	19	46
6069	0.10	370	4	148	3.6	5	91	94	70	1880	1	25	3	9
6070	0.20	70	<2	36	18	8	10	119	69	169	18	118	9	31
6071	0.20	140	<2	46	20	15	37	90	98	848	50	570	4	53
6072	4.30	2300	<2	300	17	92	414	196	4	1940	34	9	20	40
6073	0.30	200	5	32	12	13	52	79	58	1280	20	84	11	10
6074	0.40	120	<2	82	24	7	73	112	47	760	1	15	12	10
6075	0.45	130	<2	100	6	7	72	128	42	523	6	9	17	23
6076	0.30	140	<2	42	0.6	27	7	300	1	22	62	<1	11	27
6077	0.45	800	<2	142	0.8	42	24	255	2	29	108	<1	20	61
6078	0.25	170	5	72	17	267	37	149	54	666	20	158	40	43
6079	0.25	130	<2	84	0.4	67	4	250	1	18	68	<1	15	37
6080	1.60	450	23	196	20	372	41	200	103	834	43	54	56	306
6081	0.40	50	21	96	34	110	21	66	107	1570	6	50	9	7
6082	0.15	90	5	800	24	38	32	69	79	1835	6	33	7	13
6083	1.25	220	<2	276	0.5	469	17	395	1	222	82	<1	15	28
6084	1.10	100	270	280	400	16	159	130	17	767	7	19	21	40
6085	0.85	70	<2	24	0.8	20	1	114	3	5	76	<1	25	60
6086	1.00	1780	4	340	130	52	435	68	24	1695	46	82	7	55
6087	0.20	50	74	44	26	27	18	33	29	239	8	30	6	58
6088	0.70	650	6	350	4	12	47	96	414	1295	6	167	11	37
6089	0.60	630	9	280	4.8	12	74	127	231	1415	5	119	14	23
6090	0.20	40	4	9	8.5	10	8	126	99	85	12	213	8	20
6091	0.20	30	10	8	4.8	19	62	134	100	1335	10	57	14	26
6092	0.45	60	3	22	9.1	11	29	154	62	136	16	219	10	29
6093	0.40	60	<2	48	80	20	71	122	189	1240	10	115	8	16
6094	0.90	430	4	66	28	19	161	100	108	543	37	213	10	17
6095	0.30	40	18	16	20	13	25	128	70	179	18	72	9	10

Note: all samples are non-selective grab samples.

Project: 1/4 Pounder - Rare Element Project  
 Property Location: Separation Rapids  
 Property: Thorgrimson- Mowat  
 Note: all samples are measured in ppm  
 December 1, 1997.

Sample #	Fe%	F	Sn	Li	Be	Ba	Cs	Cr	Nb	Rb	Sr	Ta	Y	Zr
6096	0.60	200	<2	36	5.2	28	9	145	22	239	27	10	61	41
6097**	0.80	70	<2	6	7.5	37	5	770	45	86	54	114	8	16
6098**	6.00	590	<2	75	0.7	246	23	360	4	81	93	<1	18	88
6099	0.30	170	6	5000	30	19	17	114	56	1780	12	53	5	33
6101	0.60	320	3	170	4.6	11	53	132	92	1135	3	24	23	12
6102	0.60	500	12	260	51	14	316	130	87	1065	7	41	13	25
66601	0.90	60	<2	7	0.2	42	3	380	1	8	112	<1	16	38
66602	1.45	60	<2	270	0.1	43	48	345	1	50	60	<1	14	33
66603	0.20	40	10	32	15	13	3	116	30	47	22	13	10	9
66604	0.20	1060	450	340	17	9	19	115	67	1310	6	67	8	20
66605	0.30	60	2	68	2.2	8	18	140	79	702	3	17	22	16
66606	0.50	80	3	29	7.7	11	13	122	86	120	14	34	26	30
66607**	0.45	170	<2	17	6	65	5	88	22	55	138	9	4	30
66608**	0.50	110	<2	51	2.1	10	14	166	25	362	5	3	15	9

Soil	Fe%	F	Sn	Li	Be	Ba	Cs	Cr	Nb	Rb	Sr	Ta	Y	Zr
SR 6054A		100	<2	14	11	112	20	134	32	296	32	112	4	12
SR 6056A		650	9	110	7.4	148	196	96	188	1030	36	404	132	36

\*\* denotes samples taken from other areas of the property.

#### ELEMENT - OXIDE CONVERSIONS

Element	Multiply By	Oxide
Li	2.1527	Li <sub>2</sub> O
Be	2.7752	BeO
Ba	1.117	BaO
Cs	1.0602	Cs <sub>2</sub> O <sub>2</sub>
Nb	1.431	Nb <sub>2</sub> O <sub>5</sub>
Rb	1.0936	Rb <sub>2</sub> O
Ta	1.2211	Ta <sub>2</sub> O <sub>5</sub>
Sn	1.2696	SnO <sub>2</sub>
F	2.055	CaF <sub>2</sub>

NOTE: To convert an oxide to a percentage multiply by 0.0001

Note: all samples are non-selective grab samples.



Project: 1/4 Pounder  
 Property Location: Separation Rapids  
 Property: Thorgrimson- Mowat

	ppm	ppm
Sample #	Hf	La
6051	2	1
6052	1	4
6053	1	2
6054	1	5
6055	1	8
6056	26	40
6057	4	1
6058	3	1
6059	4	1
6060	<1	6
6061	1	3
6062	<1	4
6063	<1	1
6064	<1	1
6065	<1	6
6066	<1	6
6067	3	<1
6067A	<1	1
6068	1	3
6069	<1	1
6070	3	2
6071	9	1
6072	1	1
6073	<1	4
6074	1	3
6075	1	4
6076	<1	1
6077	1	3
6078	3	<1
6079	1	1
6080	30	4
6081	<1	1
6082	1	1
6083	<1	2
6084	14	<1
6085	2	3
6086	5	2
6087	5	1
6088	1	3
6089	1	3
6090	1	2
6091	1	1
6092	2	4
6093	<1	3
6094	1	3
6095	<1	2

S/S= soil samples

Note: all samples are non-selective grab samples.

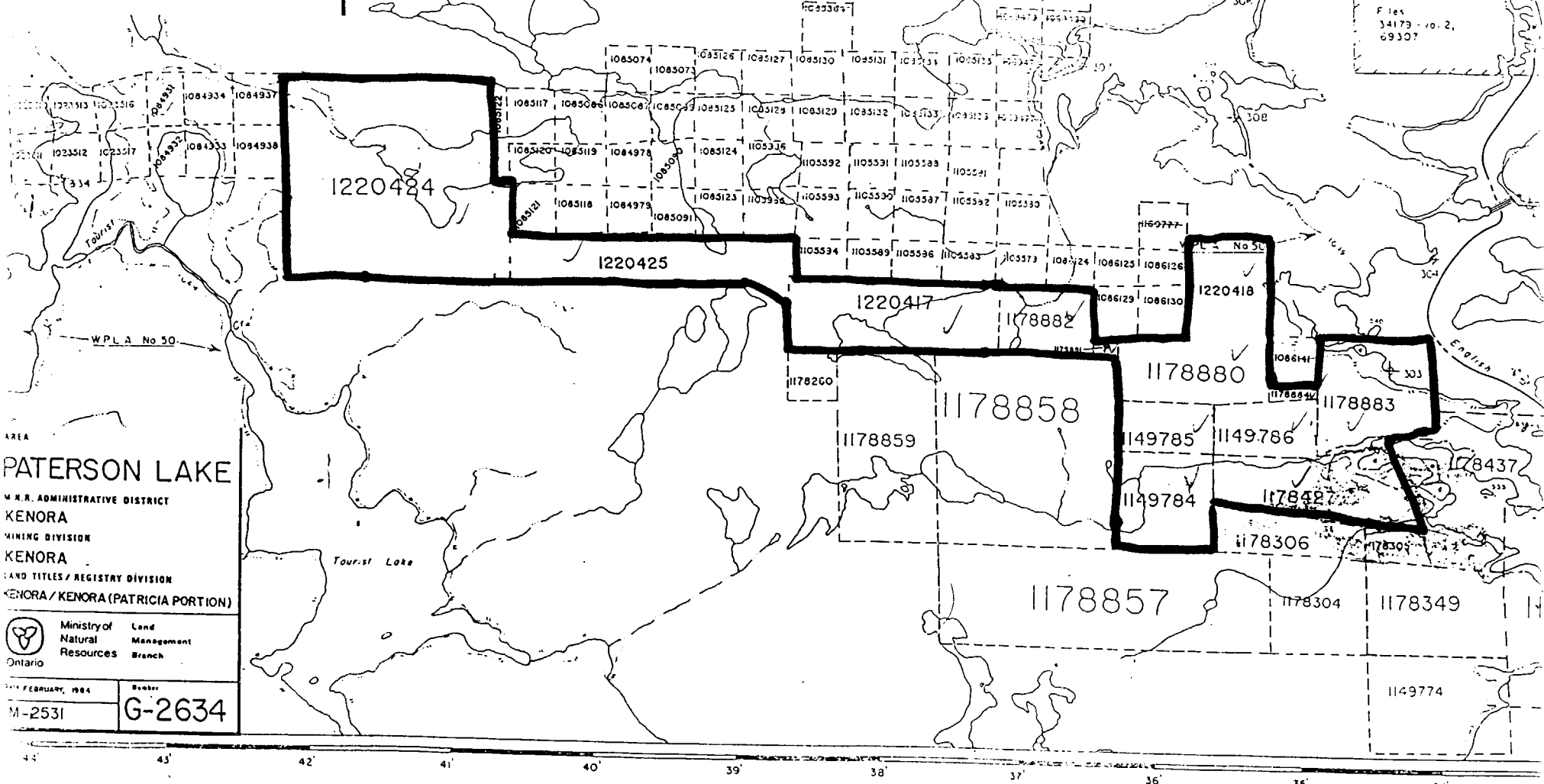
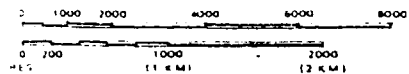
Project: 1/4 Pounder  
Property Location: Separation Rapids  
Property: Thorgrimson- Mowat

	ppm	ppm
Sample #	Hf	La
6096	1	12
6097	1	1
6098	3	6
6099	4	1
66601	1	3
66602	1	2
66603	<1	4
66604	1	2
66605	1	4
66606	2	6
66607	3	2
66608	<1	5

	ppm	ppm
S/S	Hf	La
SR 6054A	<1	4
SR 6056A	<1	20

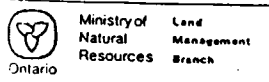
S/S= soil samples      Note: all samples are non-selective grab samples.

SCALE: 1 INCH = 40 CHAINS



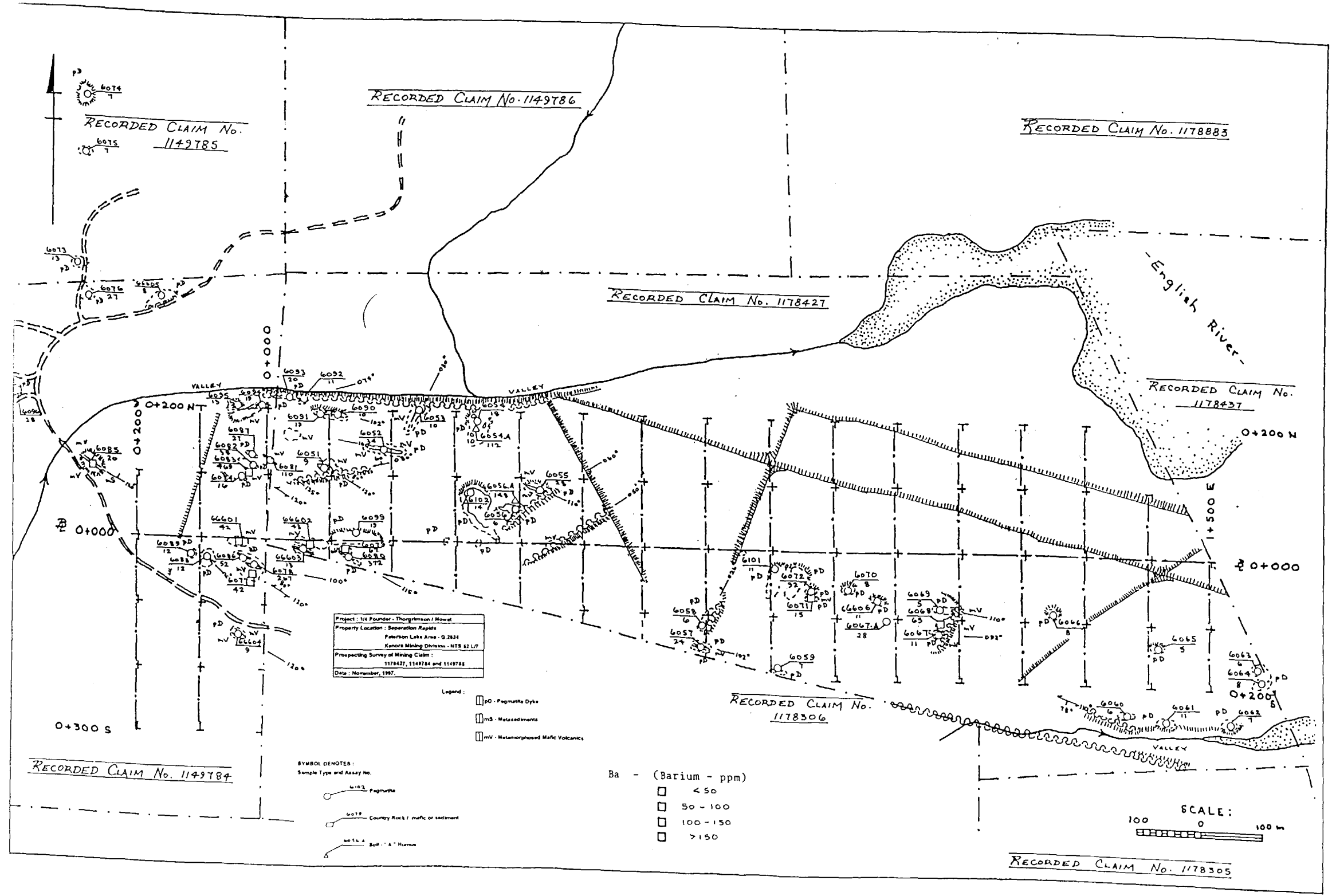
Files  
34179 - no. 2,  
69307

AREA  
**PATERSON LAKE**  
M.N.R. ADMINISTRATIVE DISTRICT  
KENORA  
MINING DIVISION  
KENORA  
LAND TITLES / REGISTRY DIVISION  
KENORA / KENORA (PATRICIA PORTION)



FEBRUARY, 1984  
M-2531  
G-2634

SNOOK LAKE G-2644



RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

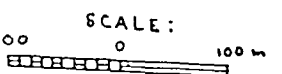
RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1149784

RECORDED CLAIM No. 1178305



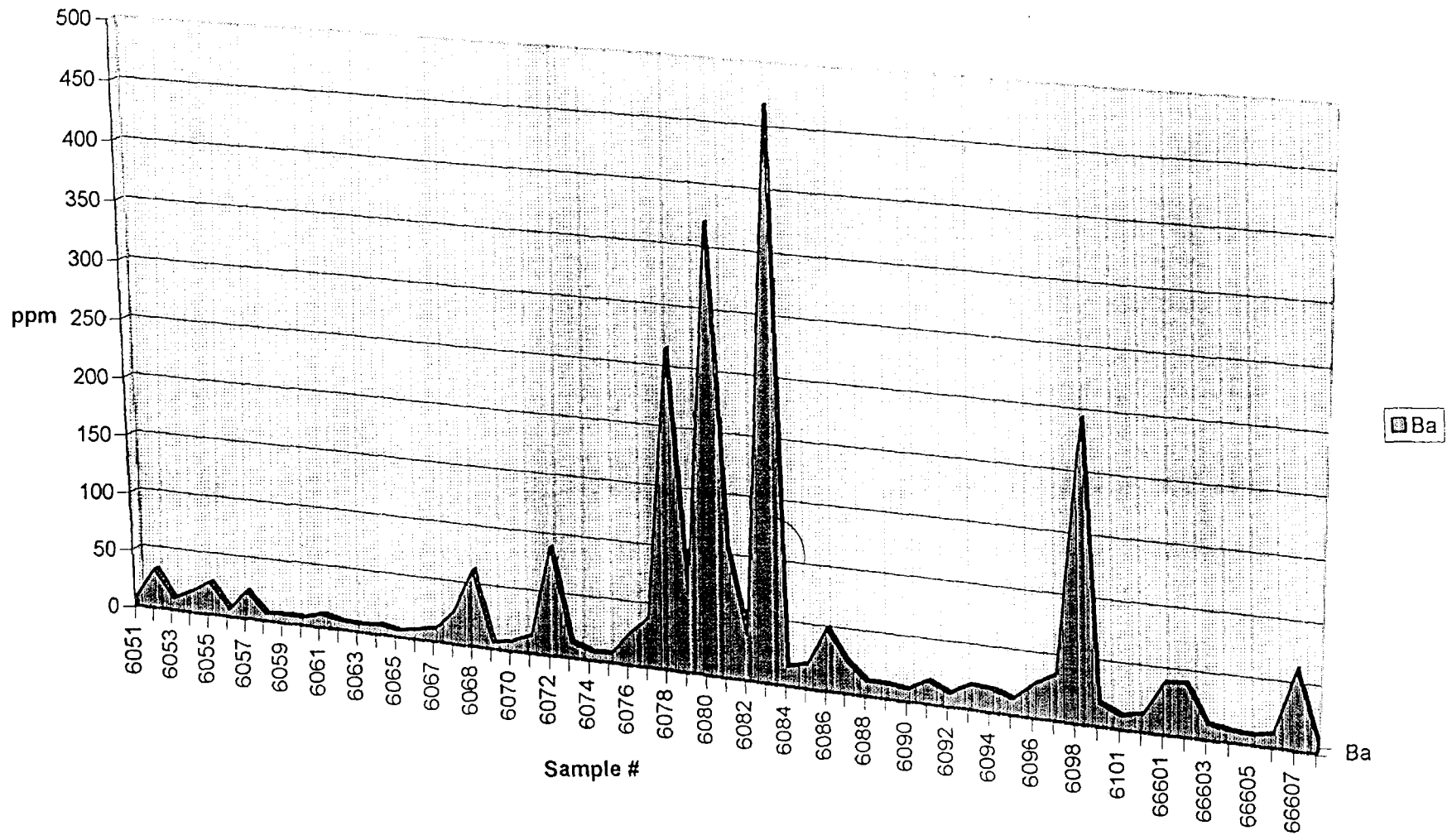
Project: 1/4 Founder - Thompson / Mowat  
 Property Location: Separation Rapids  
 Patterson Lake Area - Q.2824  
 Kinross Mining Division - NTS S2 L7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149786 and 1149785  
 Date: November, 1987.

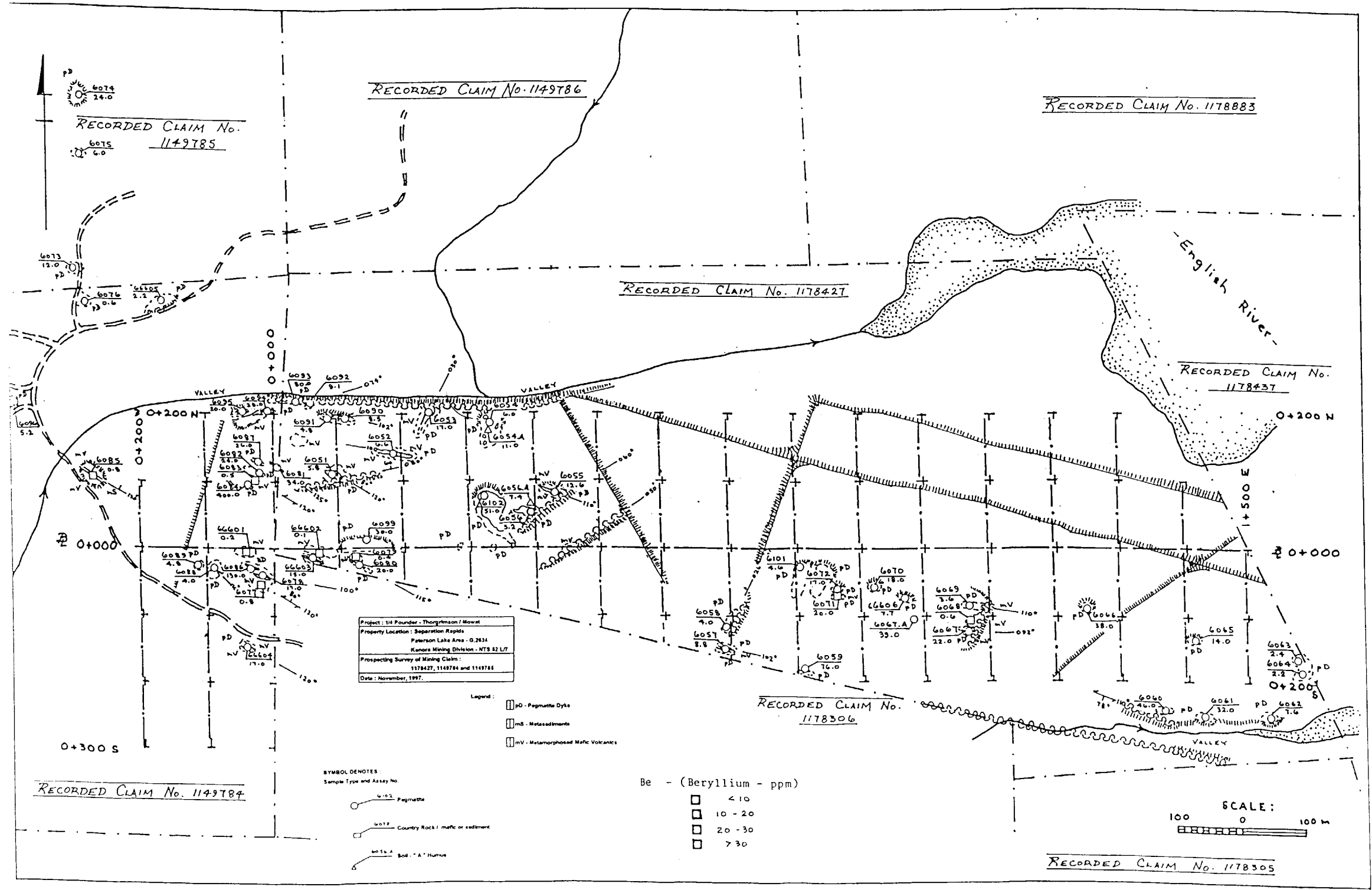
- Legend:
- PD - Pegmatite Dyke
  - MS - Metasediments
  - MV - Metamorphosed Mafic Volcanics

- SYMBOL DENOTES:  
 Sample Type and Assay No.
- 6072 - Pegmatite
  - 6078 - Country Rock / mafic or sediment
  - 6074, 6075, 6076, 6077, 6079, 6080, 6081, 6082, 6083, 6084, 6085, 6086, 6087, 6088, 6089, 6090, 6091, 6092, 6093, 6094, 6095, 6096, 6097, 6098, 6099, 6100, 6101, 6102, 6103, 6104, 6105, 6106, 6107, 6108, 6109, 6110, 6111, 6112, 6113, 6114, 6115, 6116, 6117, 6118, 6119, 6120, 6121, 6122, 6123, 6124, 6125, 6126, 6127, 6128, 6129, 6130, 6131, 6132, 6133, 6134, 6135, 6136, 6137, 6138, 6139, 6140, 6141, 6142, 6143, 6144, 6145, 6146, 6147, 6148, 6149, 6150, 6151, 6152, 6153, 6154, 6155, 6156, 6157, 6158, 6159, 6160, 6161, 6162, 6163, 6164, 6165, 6166, 6167, 6168, 6169, 6170, 6171, 6172, 6173, 6174, 6175, 6176, 6177, 6178, 6179, 6180, 6181, 6182, 6183, 6184, 6185, 6186, 6187, 6188, 6189, 6190, 6191, 6192, 6193, 6194, 6195, 6196, 6197, 6198, 6199, 6200

- Ba - (Barium - ppm)
- < 50
  - 50 - 100
  - 100 - 150
  - > 150

# Thorgrimson - Mowat





6074  
14.0  
RECORDED CLAIM No.  
1149785  
6075  
6.0

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305

English River

VALLEY

VALLEY

VALLEY

0+000

0+200 N

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200

0+200 N

1+500 E

2+000

2+000

0+200

0+300 S

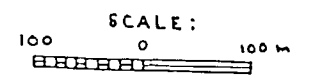
RECORDED CLAIM No. 1149784

Project: 114 Pounder - Thorgrimson / Mowat  
 Property Location: Separation Rapids  
 Peterson Lake Area - G.2834  
 Kenora Mining Division - MTS 82 L7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149784 and 1149785  
 Date: November, 1997.

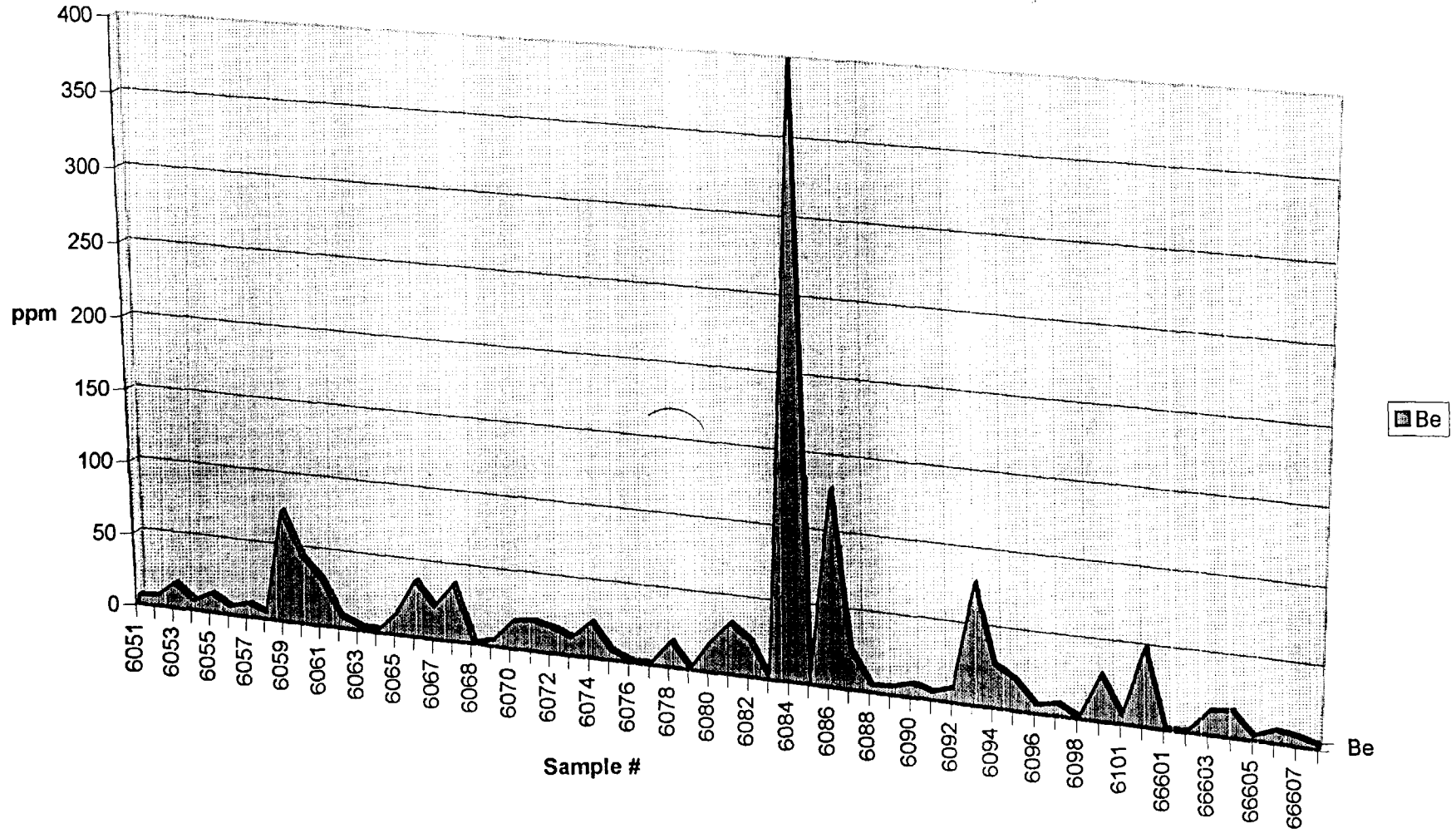
- Legend:
- ▣ PD - Pegmatite Dyke
  - ▣ MD - Metasediments
  - ▣ MV - Metamorphosed Mafic Volcanics

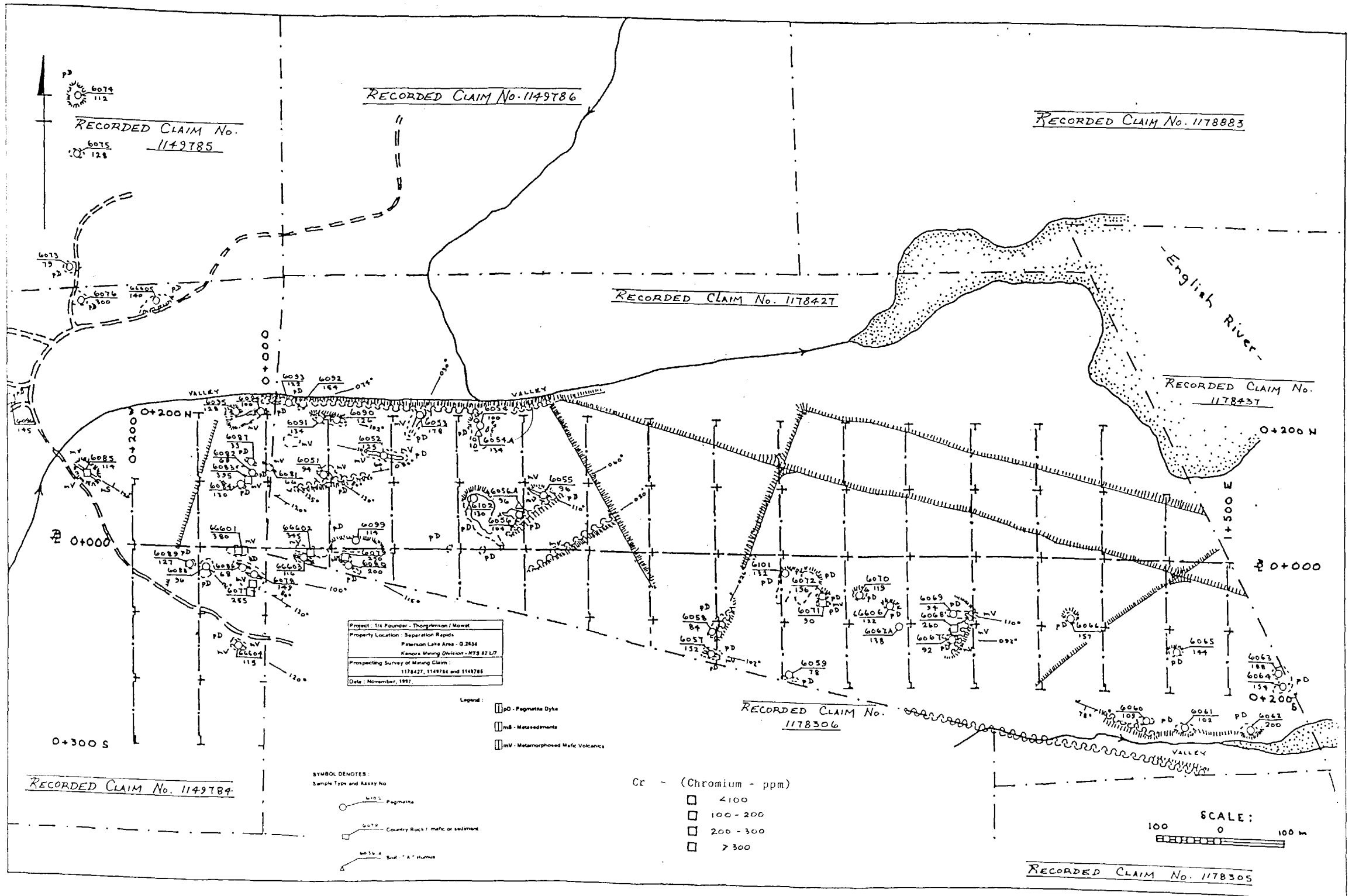
- SYMBOL DENOTES:  
 Sample Type and Assay No.
- 6072 Pegmatite
  - 6078 Country Rock / mafic or sediment
  - 6076.A Soil - "A" Humus

- Be - (Beryllium - ppm)
- < 10
  - 10 - 20
  - 20 - 30
  - > 30



# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178431

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305

RECORDED CLAIM No. 1149784

Project: 114 Pounder - Thompson / Mowat  
 Property Location: Separation Rapids  
 Paterson Lake Area - G.2634  
 Kansas Mining Division - MTS 82 L7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149786 and 1149784  
 Date: November, 1997.

Legend:  
 PD - Pegmatite Dyke  
 mb - Metasediments  
 mv - Metamorphosed Mafic Volcanics

SYMBOL DENOTES:  
 Sample Type and Assay No

6070 - Pegmatite  
 6079 - Country Rock / mafic or sediment  
 6074 - Soil - A + Humus

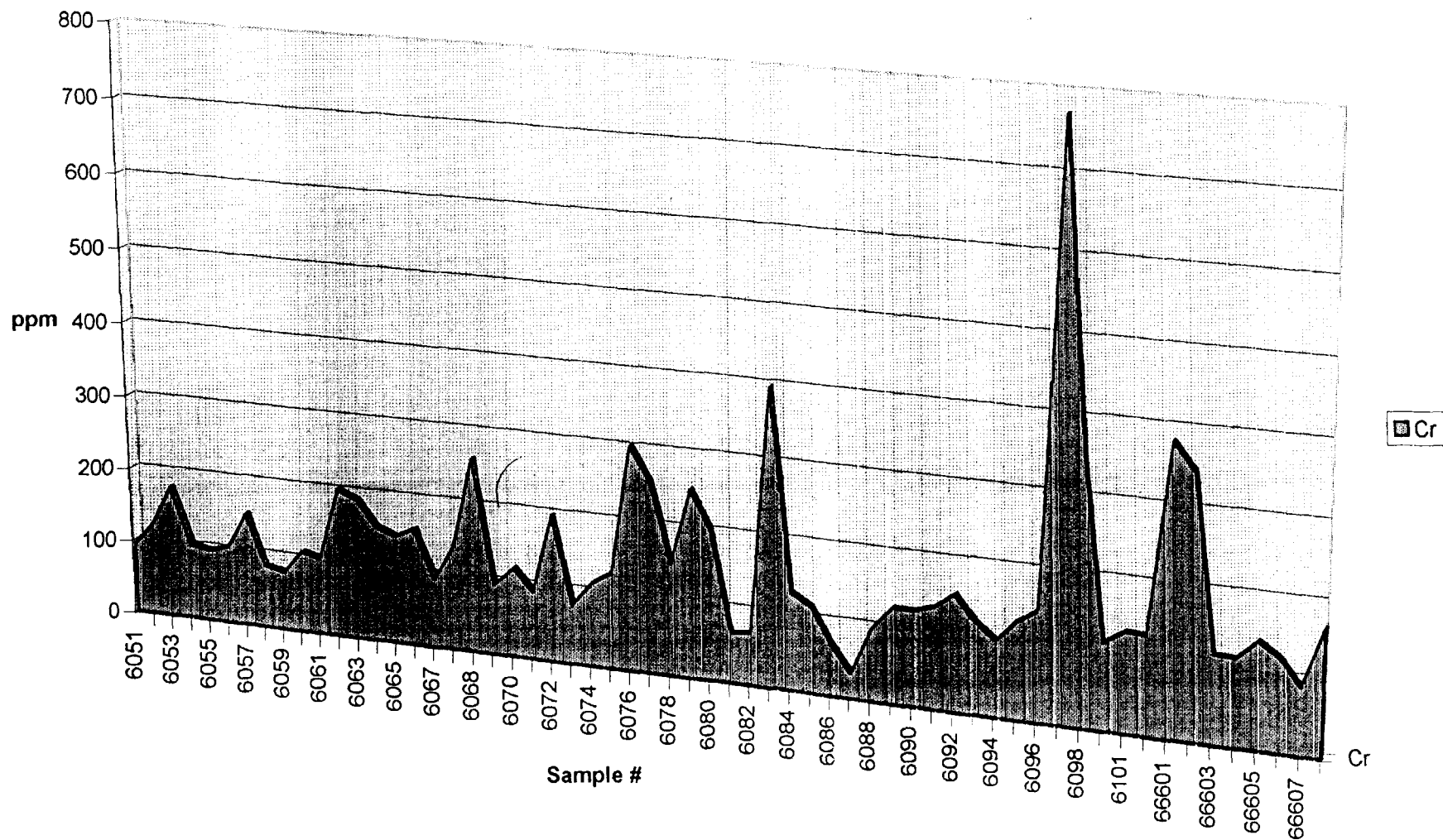
Cr - (Chromium - ppm)

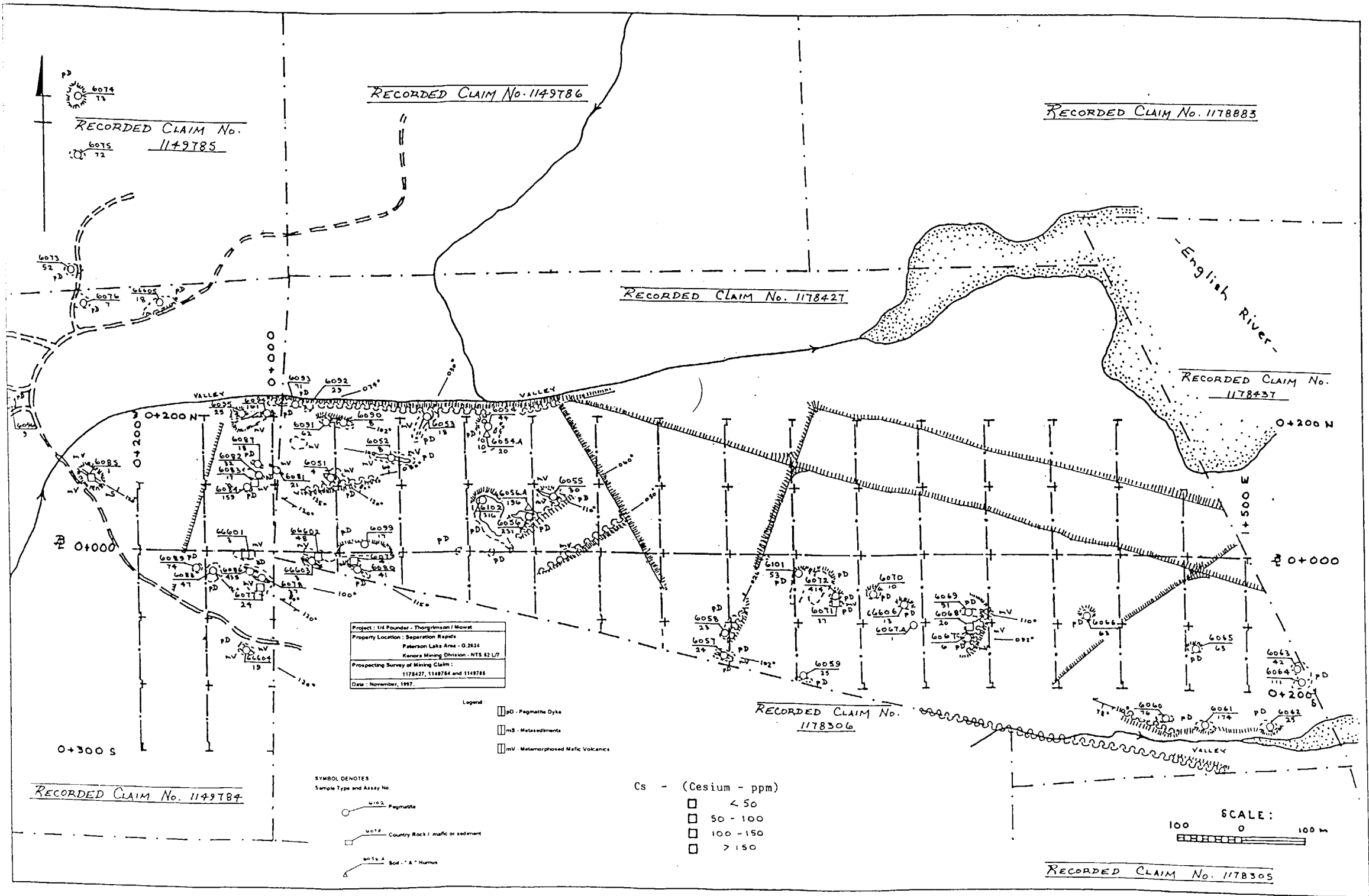
□ 4100  
 □ 100 - 200  
 □ 200 - 300  
 □ > 300

SCALE:  
 100 0 100 m



# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785  
6075 72

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1149784

RECORDED CLAIM No. 1178305

Project: 1/4 Pounder - Thorgrimson / Mowat  
 Property Location: Separation Rapids  
 Paterson Lake Area - Q.2834  
 Kenora Mining Division - NTS 82 L/7  
 Prospecting Survey of Mining Claim:  
 1178427, 1148784 and 1149785  
 Date: November, 1997.

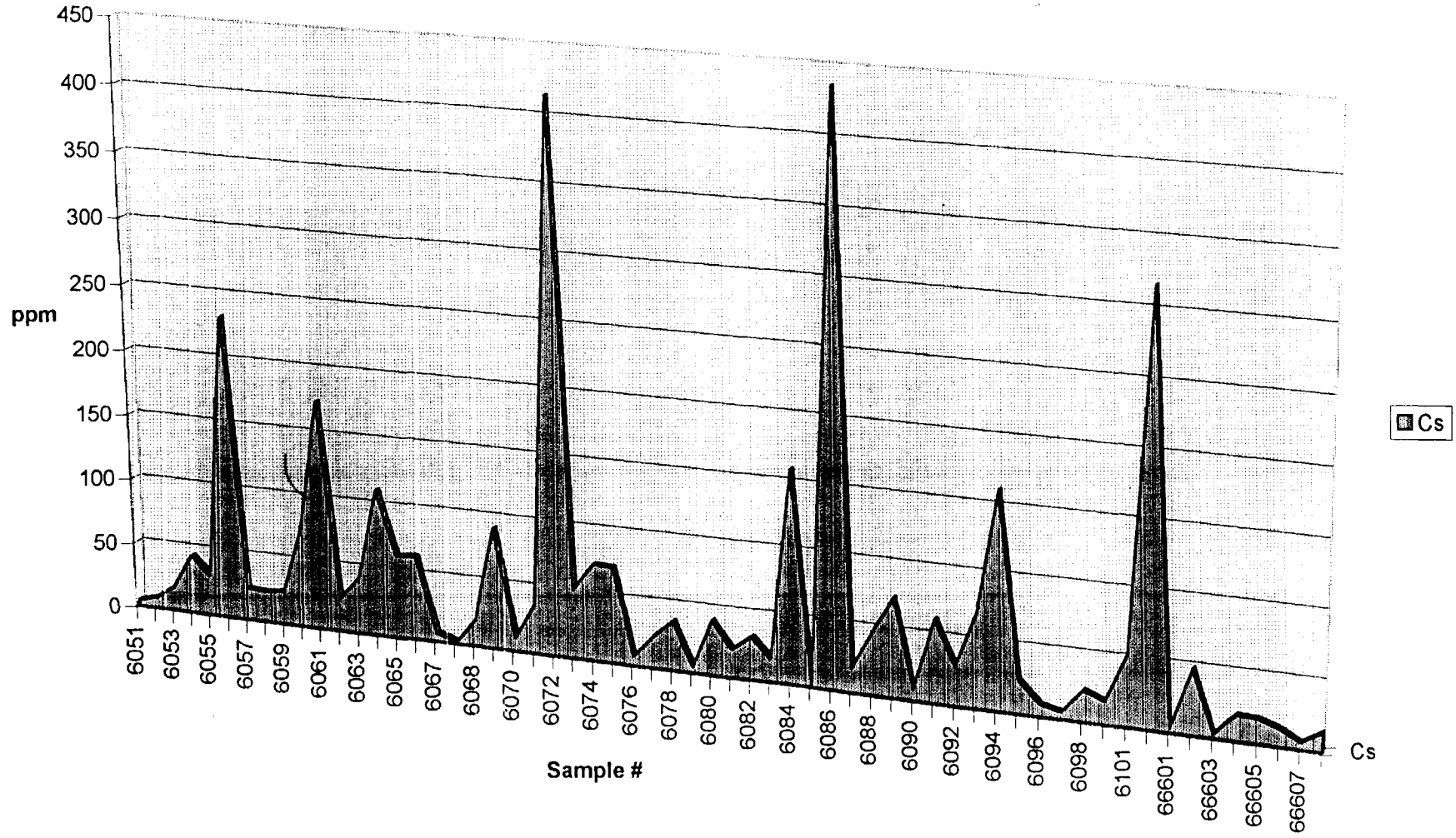
- Legend:
- PD - Pegmatite Dyke
  - MS - Metasediments
  - MV - Metamorphosed Mafic Volcanics

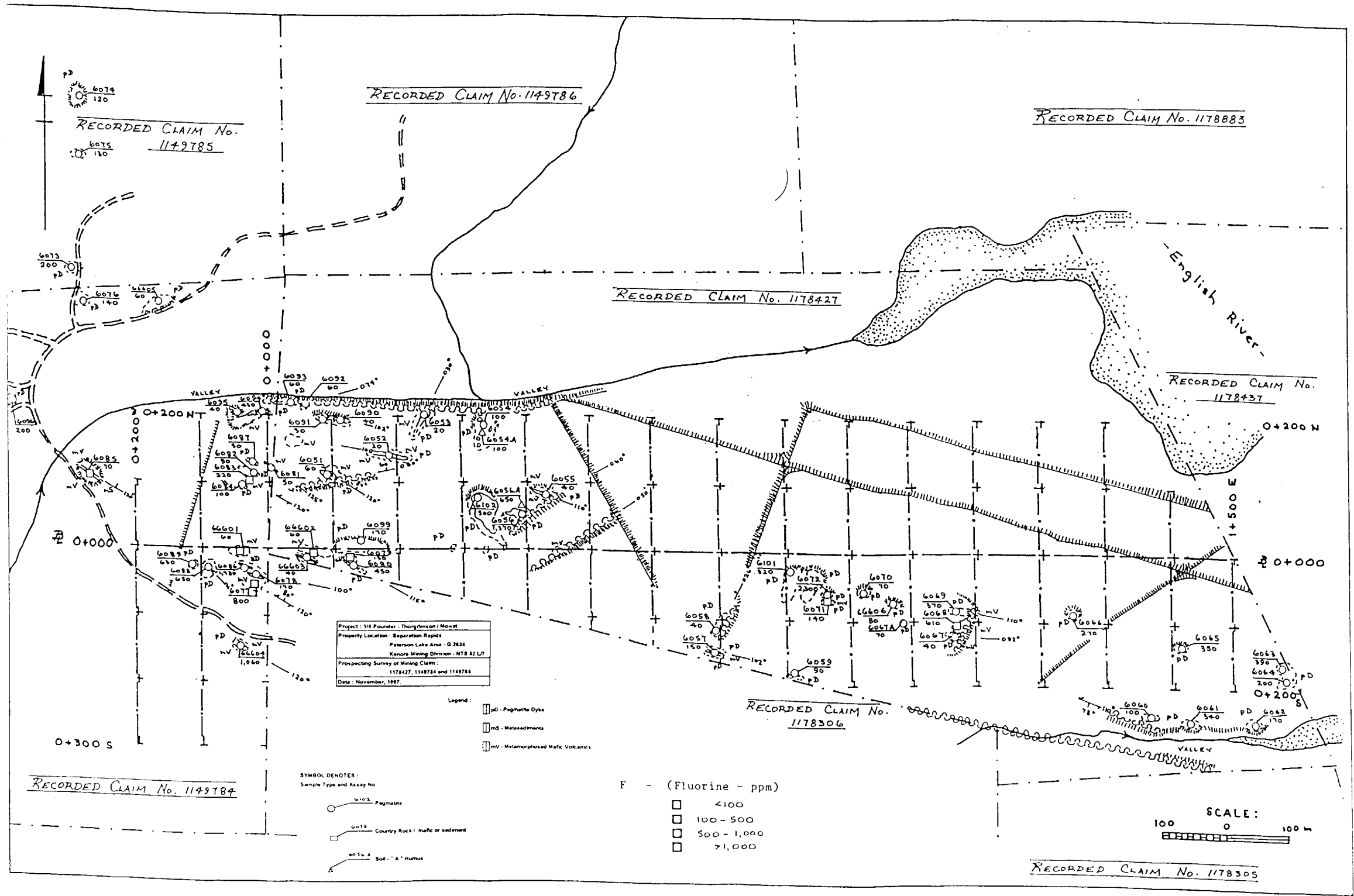
- SYMBOL DENOTES  
 Sample Type and Assay No.
- 6072 Pegmatite
  - 6079 Country Rock / mafic or sediment
  - 6075.A Soil - A\* Humus

- Cs - (Cesium - ppm)
- < 50
  - 50 - 100
  - 100 - 150
  - > 150



# Thorgrimson - Mowat





6074  
120

RECORDED CLAIM No. 1149785

6075  
130

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305

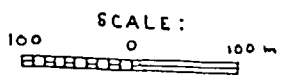
RECORDED CLAIM No. 1149784

Project: 1/4 Pounder - Thorsen / Mowat  
 Property Location: Separation Rapids  
 Paterson Lake Area - Q.2834  
 Kenora Mining Division - NTS 82 L7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149784 and 1149786  
 Date: November, 1997

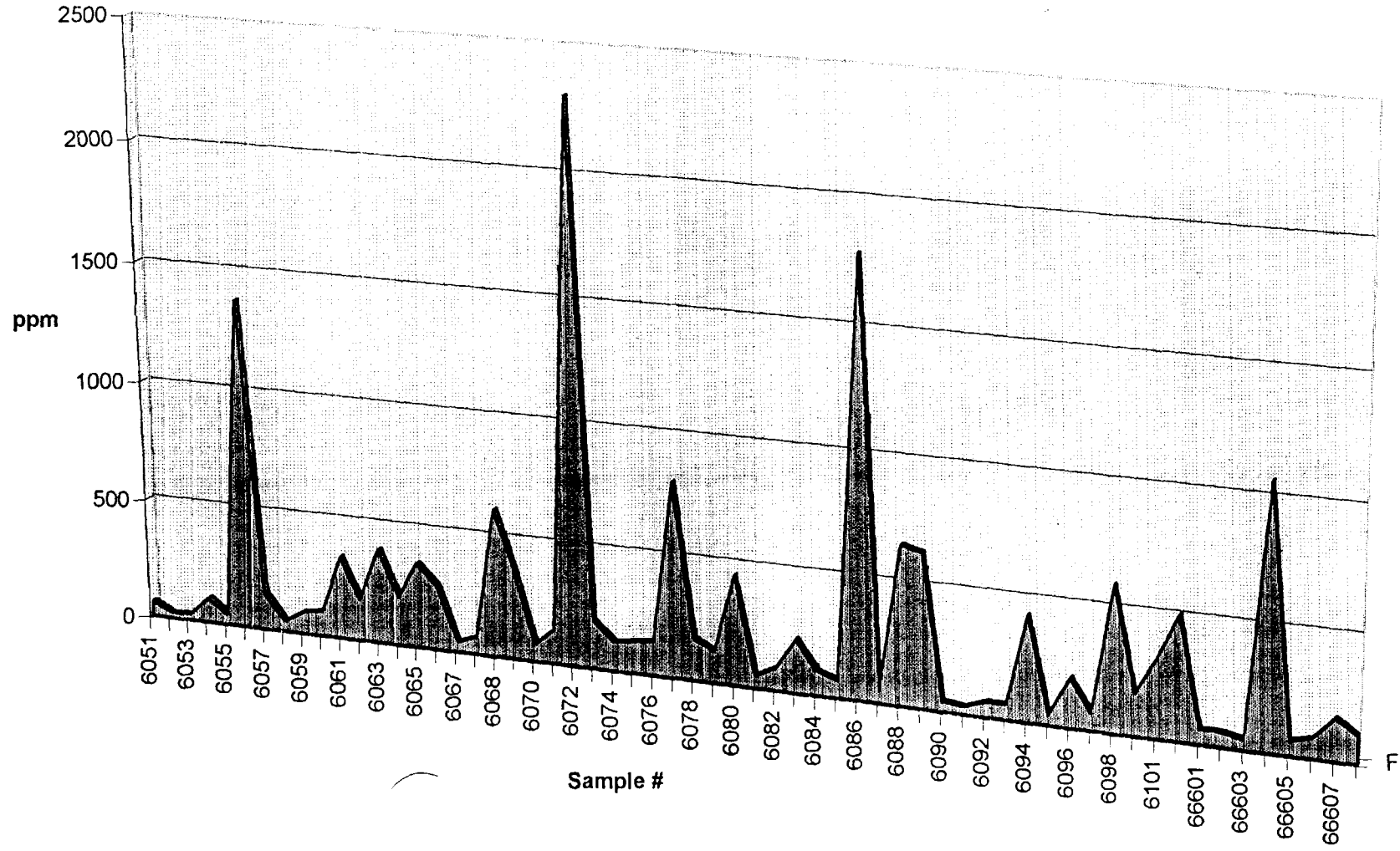
- Legend:
- pd - Pegmatite Dyke
  - md - Metasediments
  - mv - Metamorphosed Mafic Volcanics

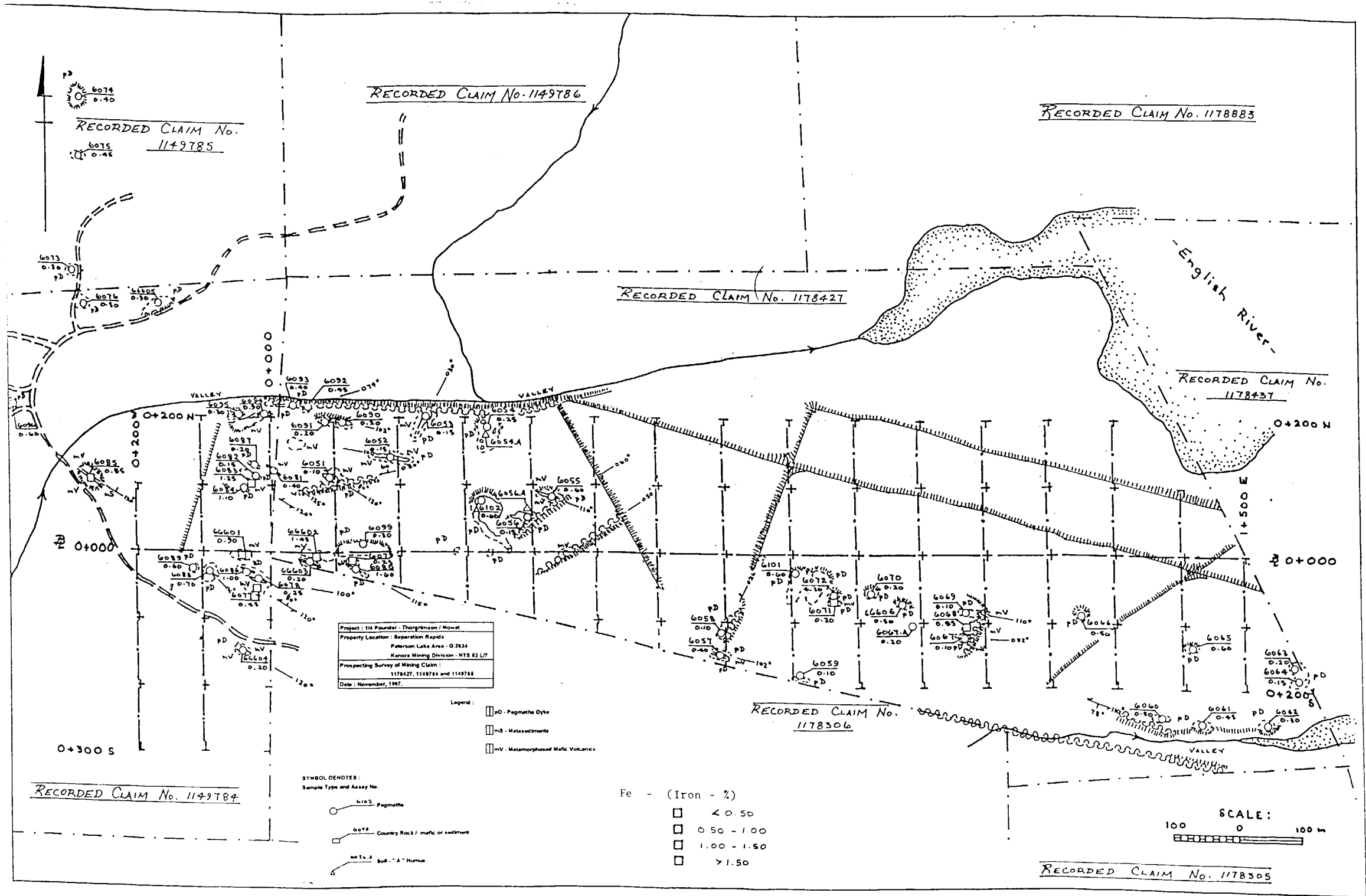
- SYMBOL DENOTES:  
 Sample Type and Assay No
- 603 - Pegmatite
  - 607B - Country Rock / mafic or sediment
  - 603A - Soil - "A" - Humus

- F - (Fluorine - ppm)
- < 100
  - 100 - 500
  - 500 - 1,000
  - > 1,000



Thorgrimson - Mowat





6074  
0.40  
 RECORDED CLAIM No.  
 1149785  
 6075  
0.45

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178885

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305

English River

Project : 1/4 Pounder - Thorntown / Mowat  
 Property Location : Separation Rapids  
 Peterson Lake Area - Q 2834  
 Kenora Mining Division - NTS 82 L7  
 Prospecting Survey of Mining Claim :  
 1178427, 1149784 and 1149786  
 Date : November, 1997.

- Legend :
- ▬ PD - Pegmatite Dyke
  - ▬ mS - Metasediments
  - ▬ mV - Metamorphosed Mafic Volcanics

- SYMBOL DENOTES :
- Sample Type and Assay No.
- 6072 - Pegmatite
  - 6078 - Country Rock / mafic or sediment
  - 6054.A - Soil - "A" Humus

- Fe - (Iron - %)
- < 0.50
  - 0.50 - 1.00
  - 1.00 - 1.50
  - > 1.50



RECORDED CLAIM No. 1149784

0+300 S

0+000

0+200 N

0+200 N

0+500 E

0+000

0+200 E

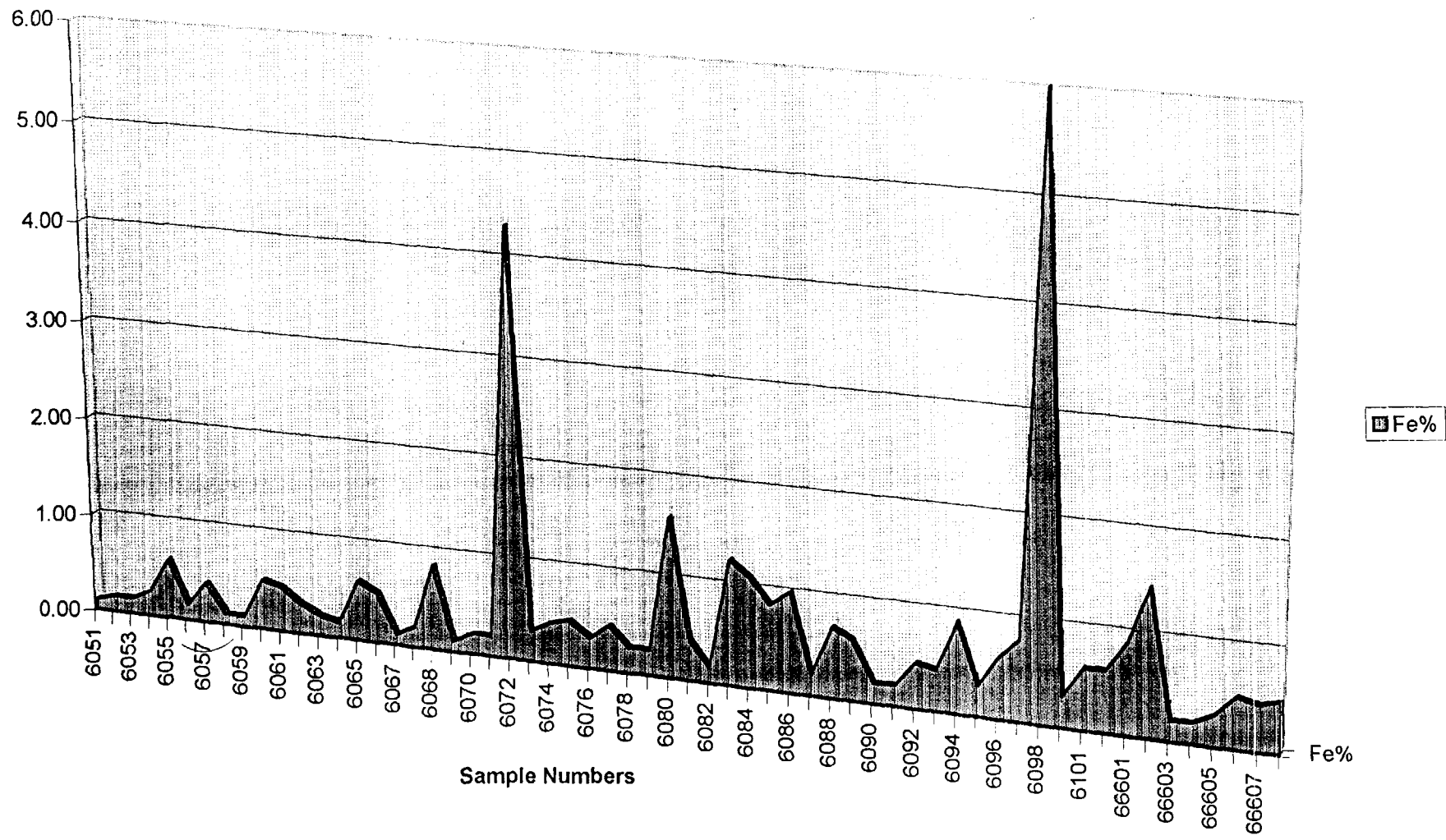
0+200 E

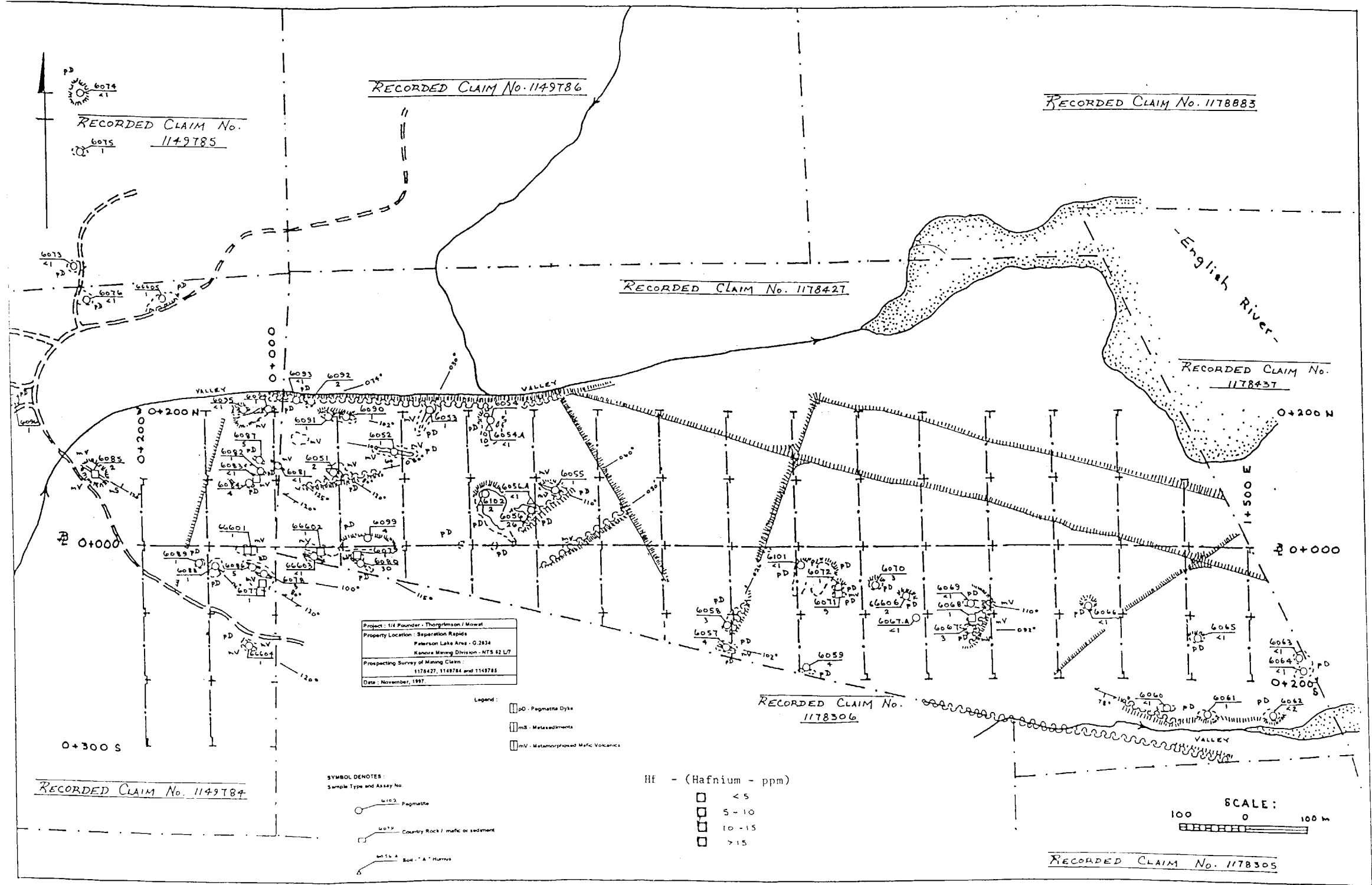
VALLEY

VALLEY

VALLEY

# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305



Project: 114 Flaxman - Thomson / Mowat  
 Property Location: Separation Rapids  
 Peterson Lake Area - G.2834  
 Kenora Mining Division - NTS 52 L7  
 Prospecting Survey of Mining Claims:  
 1178427, 1149784 and 1149785  
 Date: November, 1997

- Legend:
- PD - Pegmatite Dyke
  - MS - Metasediments
  - MV - Metamorphosed Mafic Volcanics

- SYMBOL DENOTES:  
 Sample Type and Assay No.
- 6103 - Pegmatite
  - 6079 - Country Rock / mafic or sediment
  - 6054A - Soil - "A" Hutton

- Hf - (Hafnium - ppm)
- < 5
  - 5 - 10
  - 10 - 15
  - > 15

0+300 S

RECORDED CLAIM No. 1149784

0+000

0+200 W

0+200 N

1+500 E

0+200 S

0+200 E

English River

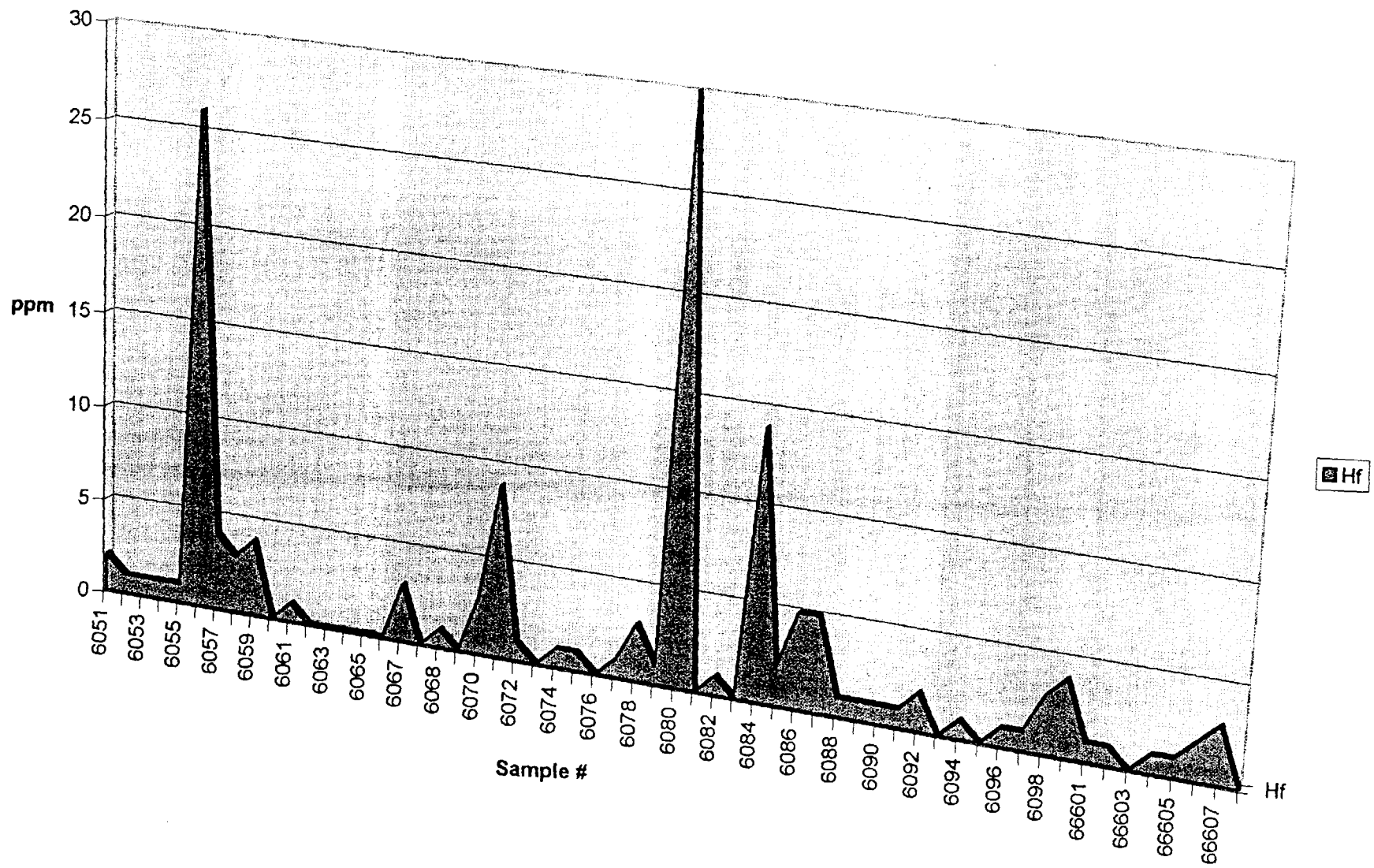
VALLEY

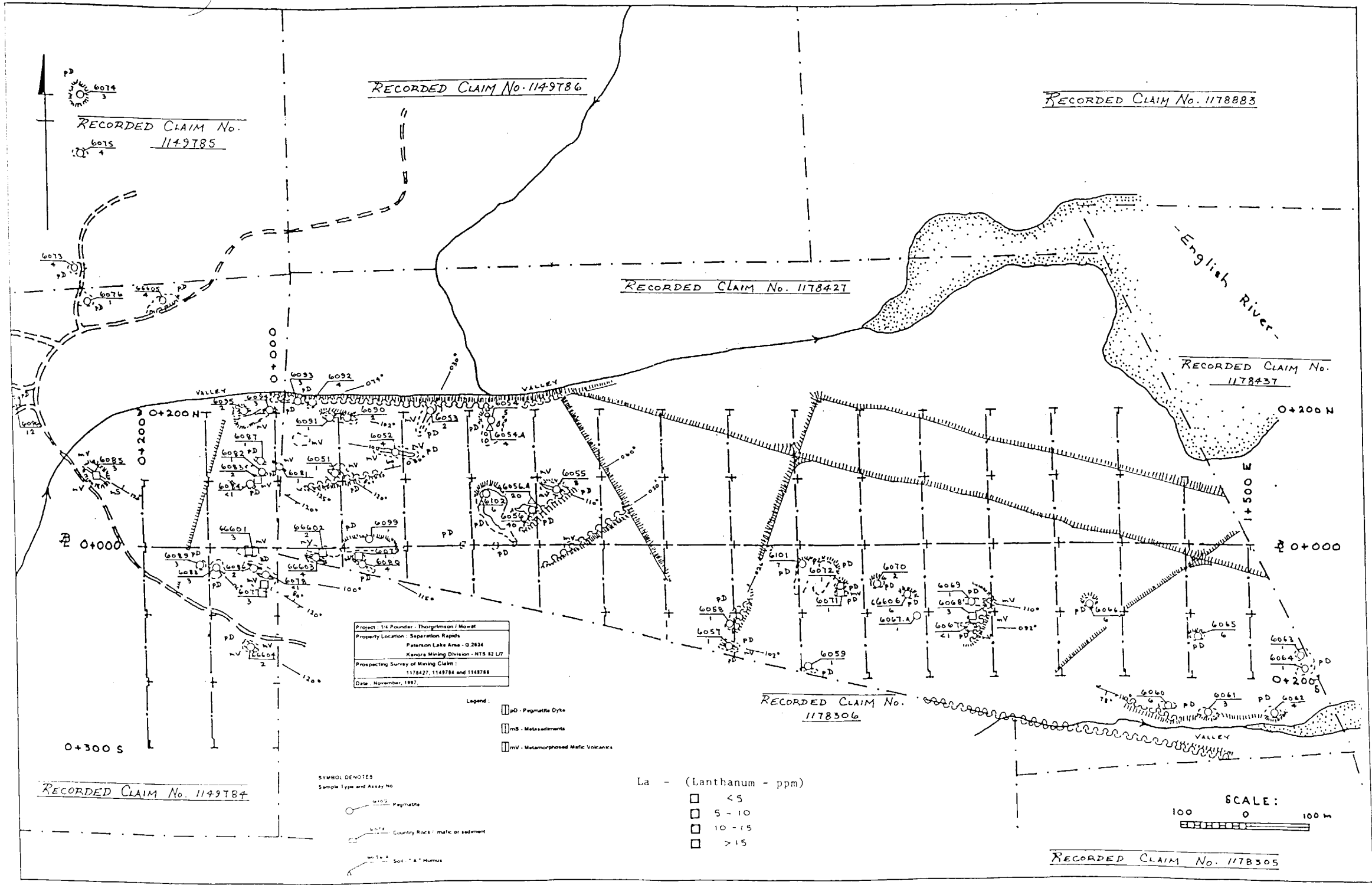
VALLEY

VALLEY



# Thorgrimson - Mowat





RECORDED CLAIM No.  
 1149785

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305



Project - 1/4 Pounder - Thurgimston / Morat  
 Property Location - Separation Rapids  
 Paterson Lake Area - Q 2434  
 Kenora Mining Division - MTS 82 L7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149786 and 1149788  
 Date - November, 1997.

- Legend:
- PD - Pegmatite Dyke
  - mS - Metasediments
  - mV - Metamorphosed Mafic Volcanics

- SYMBOL DENOTES
- Sample Type and Assay No
- 6102 Pegmatite
  - 6079 Country Rock (mafic or sediment)
  - 6124.1 Soil - A\* Humus

- La - (Lanthanum - ppm)
- < 5
  - 5 - 10
  - 10 - 15
  - > 15

0+300 S

RECORDED CLAIM No. 1149784

0+000

0+200 N

1+500 E

0+200 E

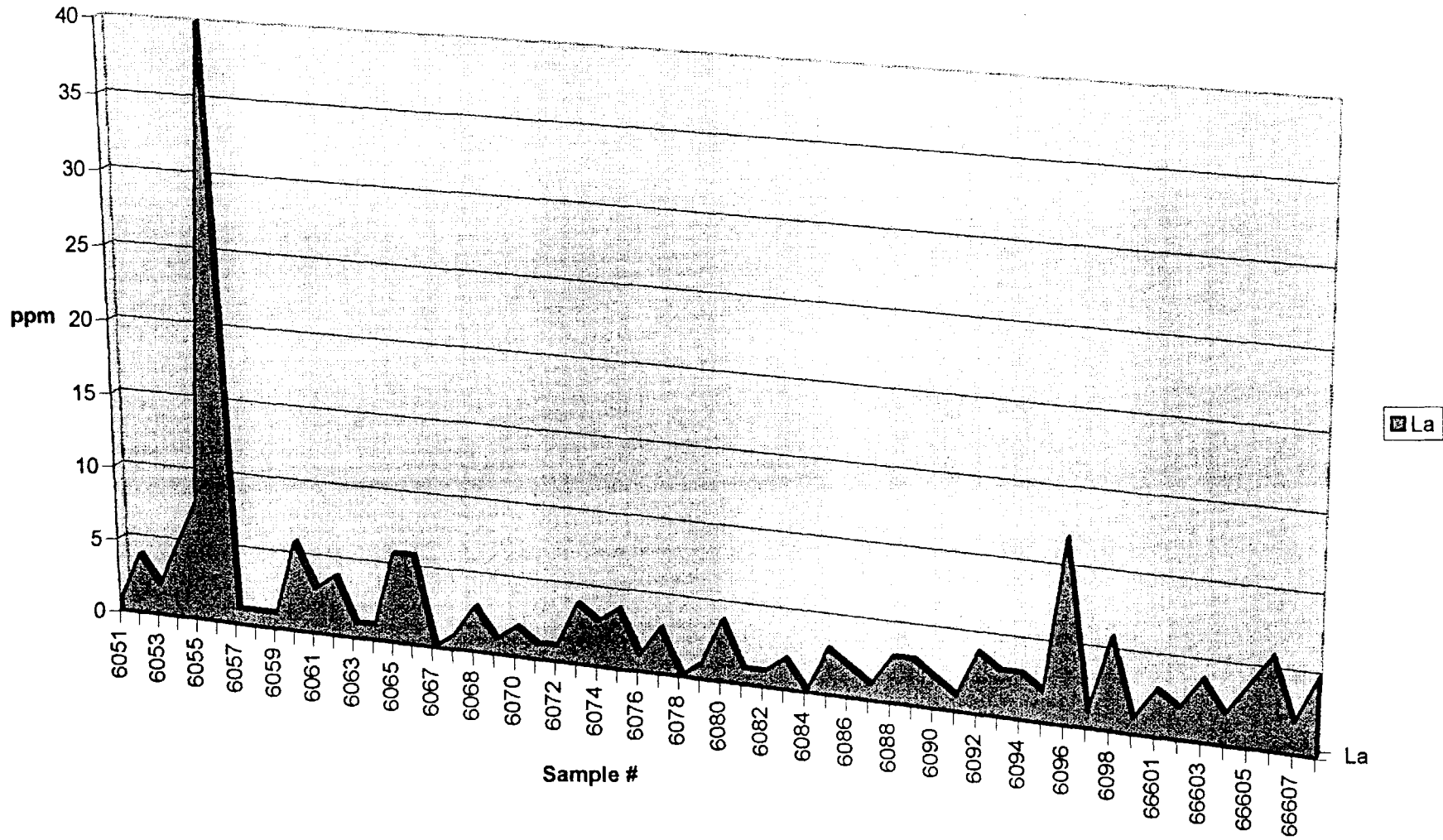
English River

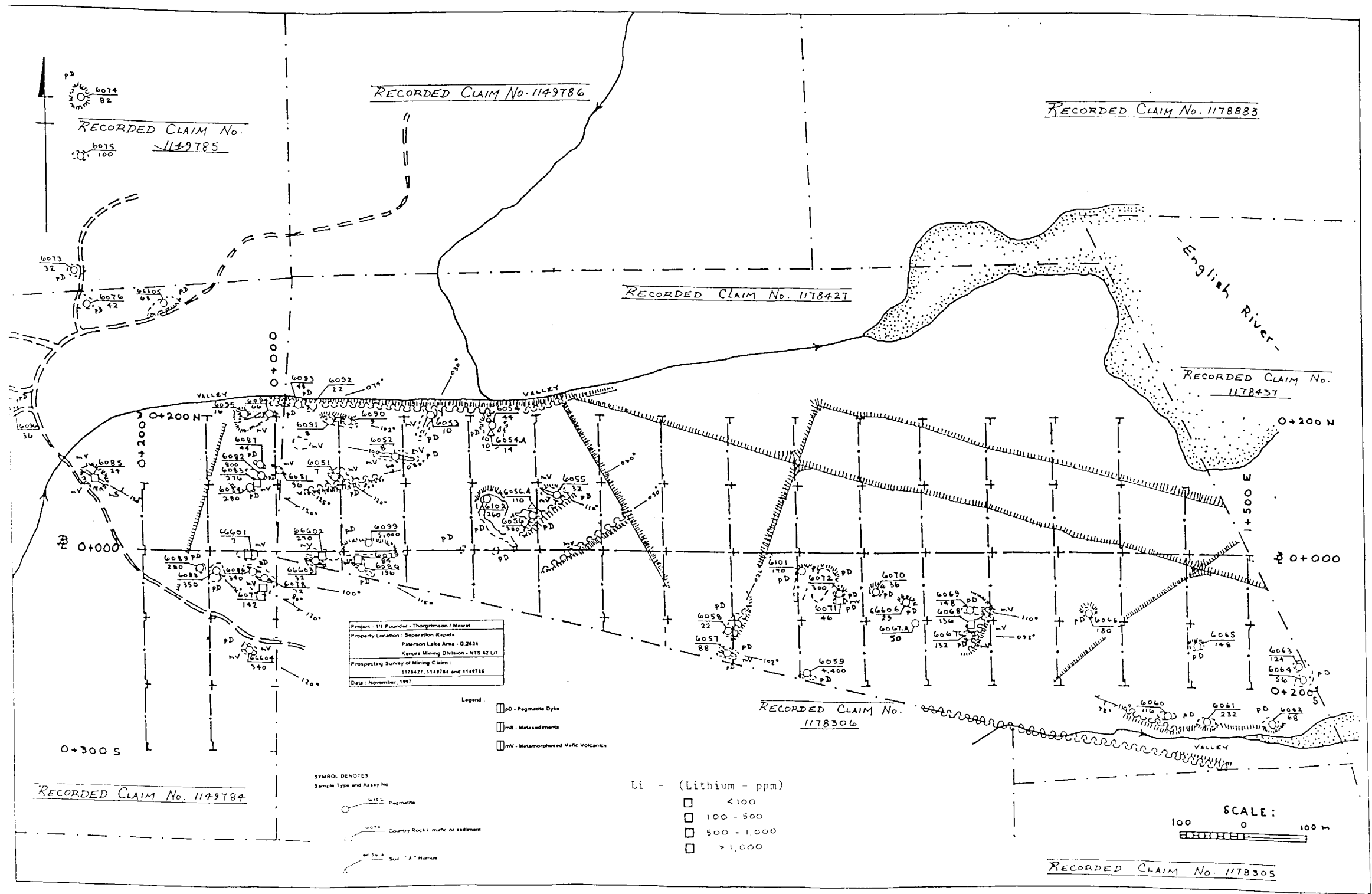
VALLEY

VALLEY

VALLEY

# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

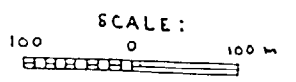
RECORDED CLAIM No. 1178305

Project: 114 Pounder - Thargminson / Mowat  
 Property Location: Separation Rapids  
 Kenora Mining Division - NTS 82 U7  
 Prospecting Survey of Mining Claims:  
 1178427, 1149784 and 1149786  
 Date: November, 1997.

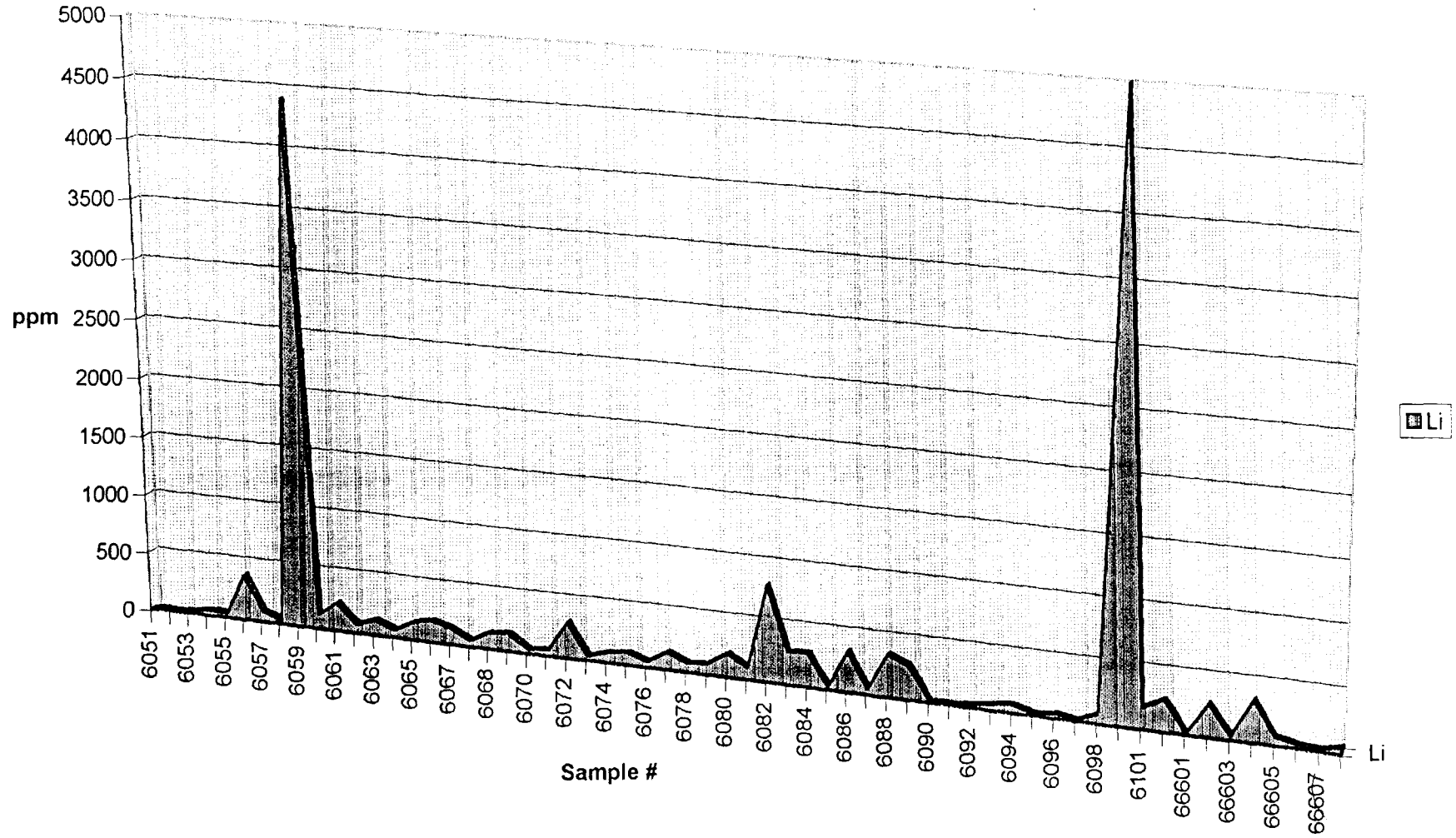
- Legend:
- pd - Pegmatite Dyke
  - ms - Metasediments
  - mV - Metamorphosed Mafic Volcanics

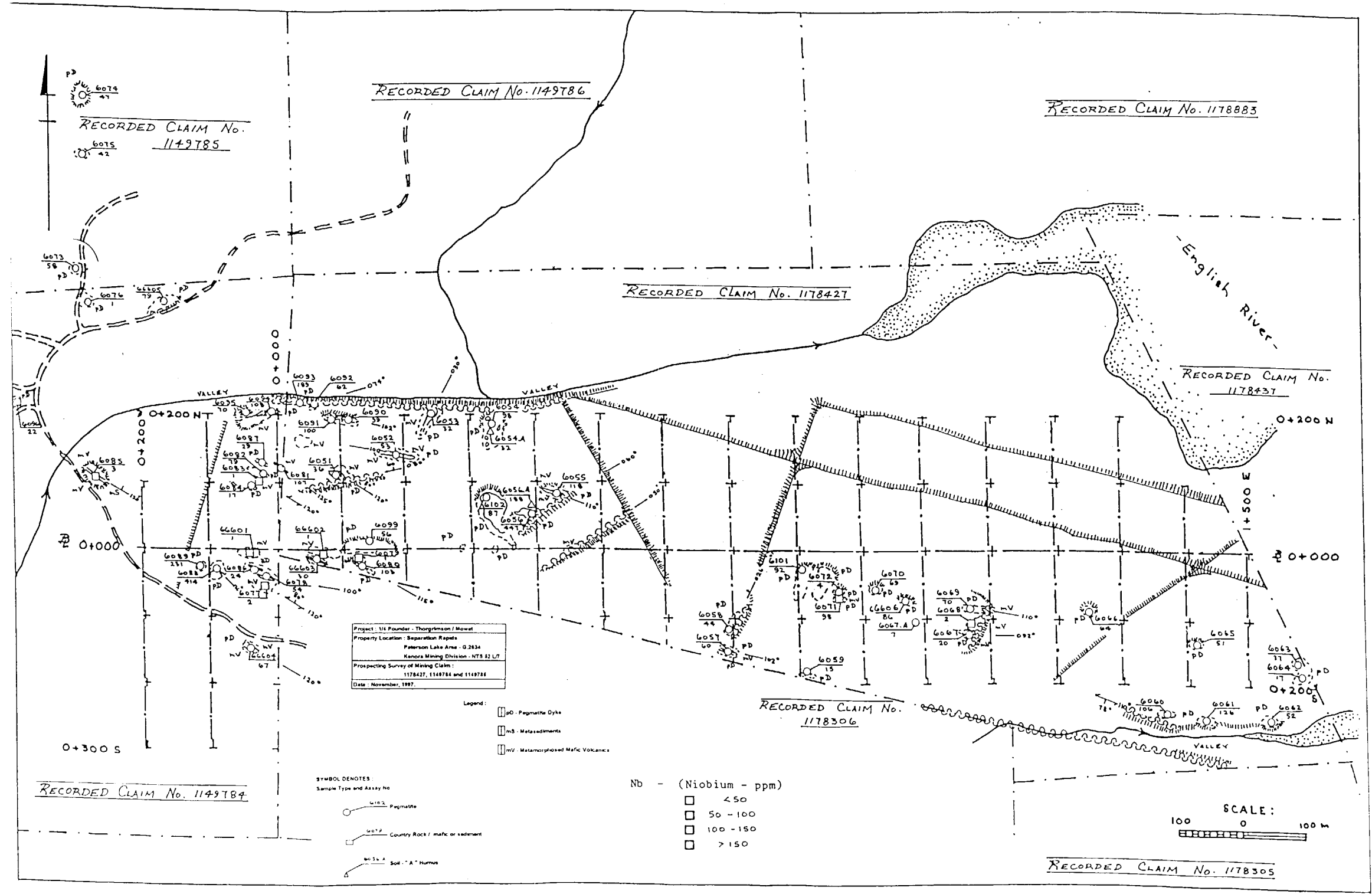
- SYMBOL DENOTES
- 6073 pegmatite
  - 6074 Country Rock: mafic or sediment
  - 6075 Sul. - A\* Mixture

- Li - (Lithium - ppm)
- < 100
  - 100 - 500
  - 500 - 1,000
  - > 1,000



# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785  
 6075 41  
 6075 42

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

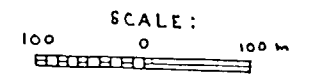
RECORDED CLAIM No. 1178305

Project: 1/4 Pounder - Thorgrimson / Mowat  
 Property Location: Separation Rapids  
 Peterson Lake Area - Q.2634  
 Kenora Mining Division - NTS 82 L7  
 Prospecting Survey of Mining Claims:  
 1178427, 1149786 and 1149785  
 Date: November, 1987.

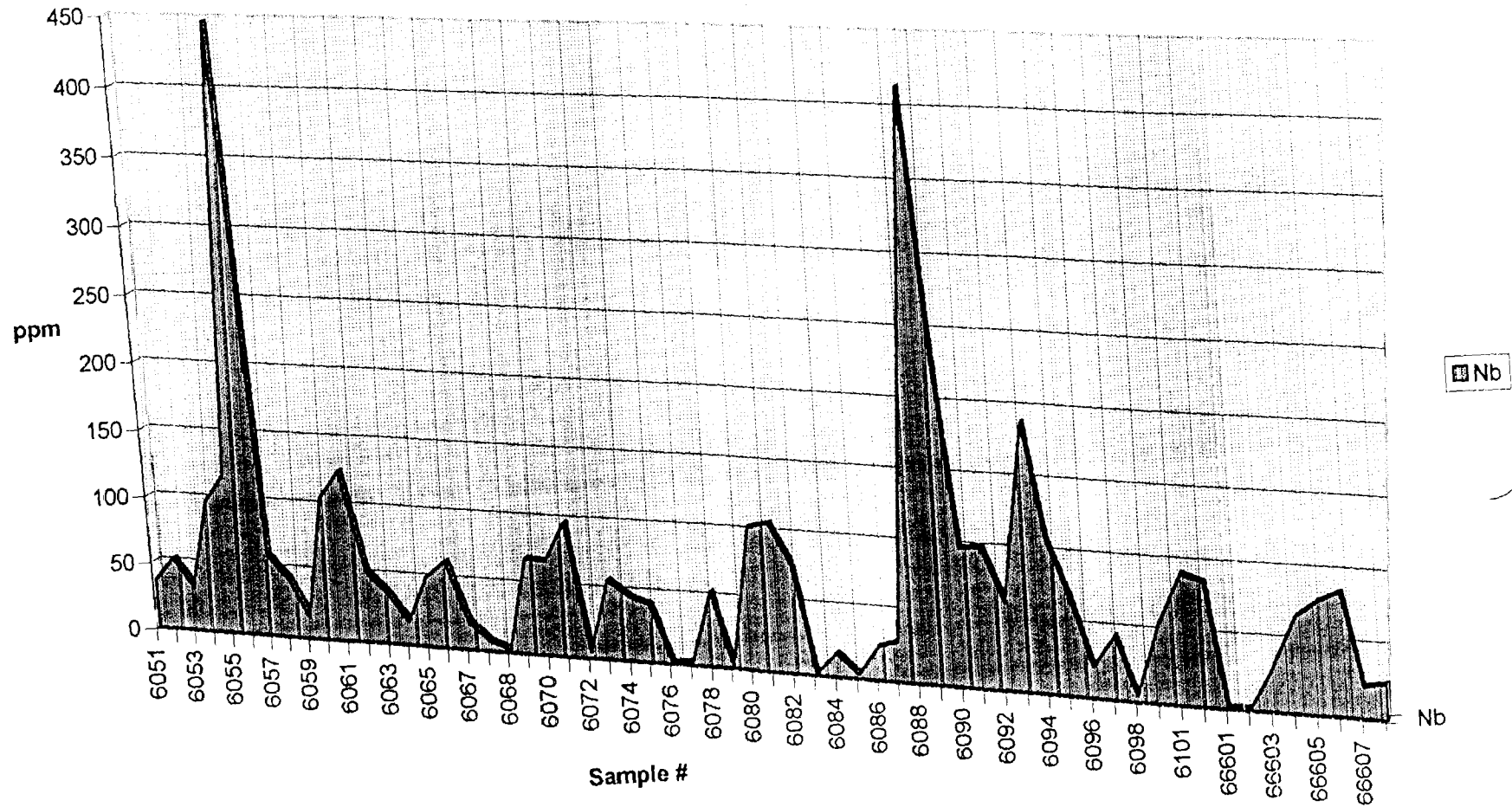
- Legend:
- pd - Pegmatite Dykes
  - ms - Metasediments
  - mV - Metamorphosed Mafic Volcanics

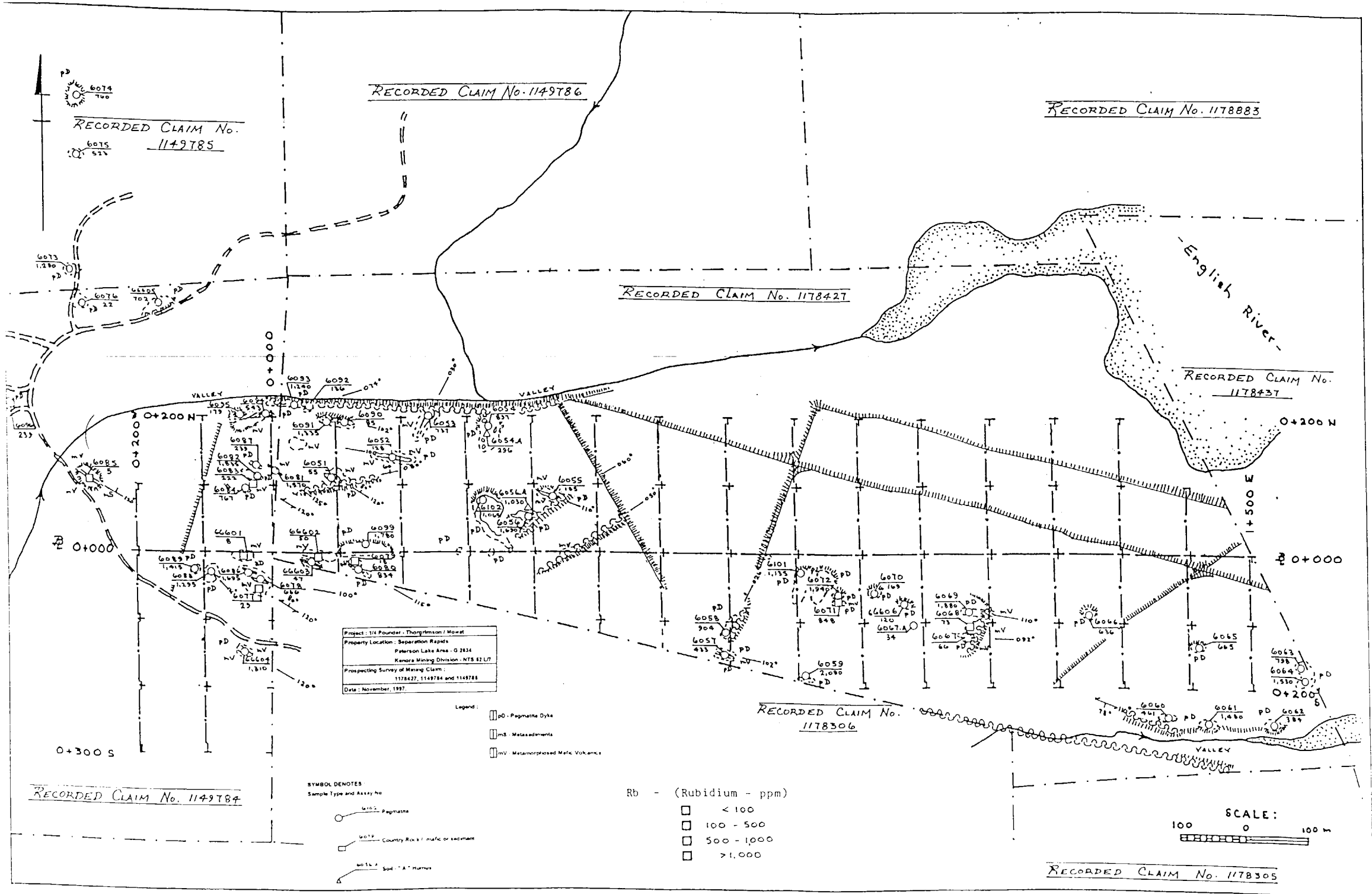
- SYMBOL DENOTES:
- Sample Type and Assay No
- 6072 Pegmatite
  - 6072 Country Rock / mafic or sediment
  - 6075.A Soil - "A" Humus

- Nb - (Niobium - ppm)
- < 50
  - 50 - 100
  - 100 - 150
  - > 150



# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785  
6075  
577

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305

RECORDED CLAIM No. 1149784

Project: 114 Pounder - Thorntons / Mowat  
 Property Location: Separation Rapids  
 Peterson Lake Area - G 2834  
 Kenora Mining Division - NTS 82 L7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149784 and 1149785  
 Date: November, 1997

- Legend:
- ▬ PD - Pegmatite Dyke
  - ▬ MS - Metasediments
  - ▬ MV - Metamorphosed Mafic Volcanics

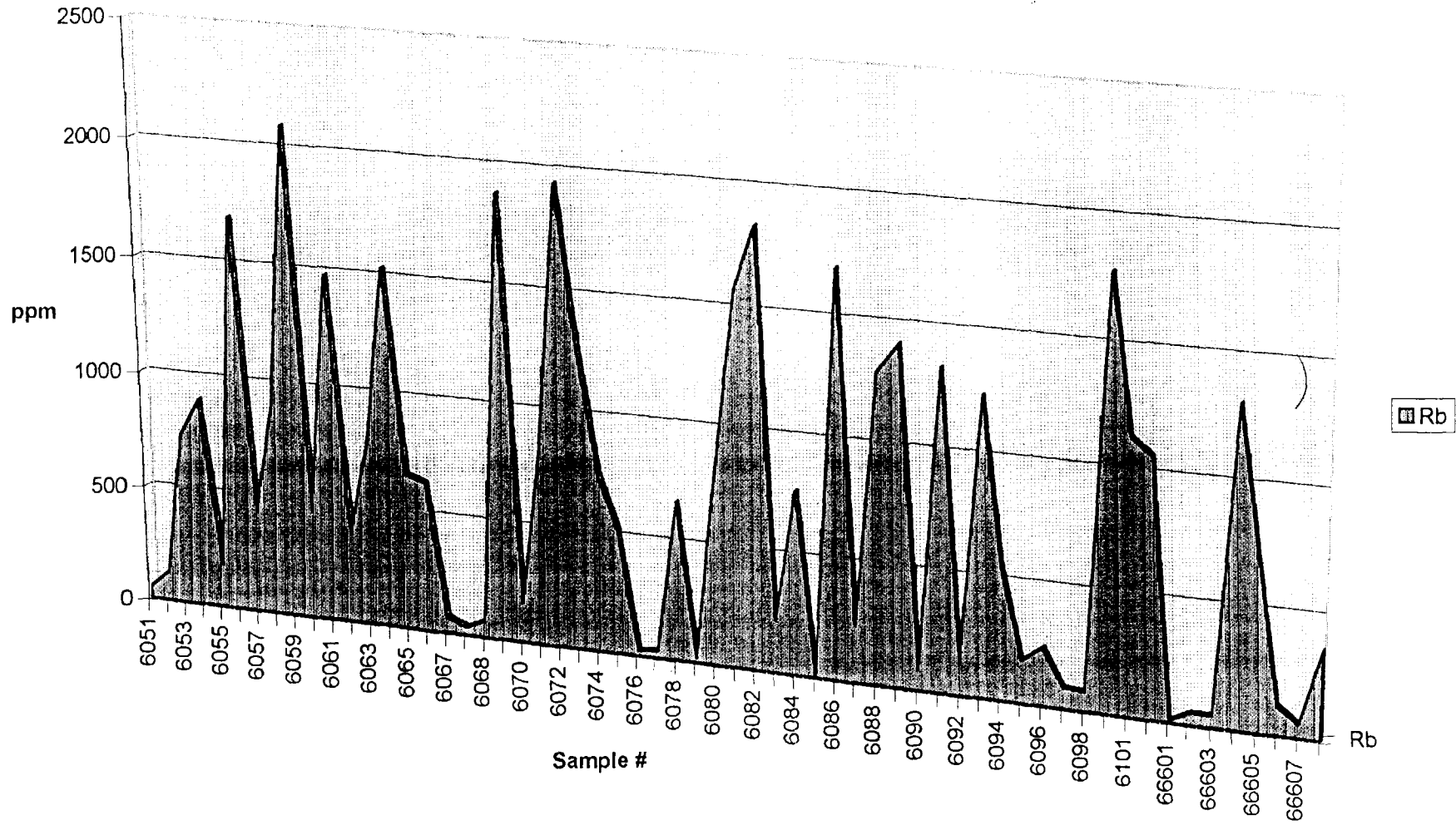
- SYMBOL DENOTES  
 Sample Type and Assay No
- 6072 - pegmatite
  - 6079 - Country Rock / mafic or sediment
  - 6076 - Sp. - "A" - muscovite

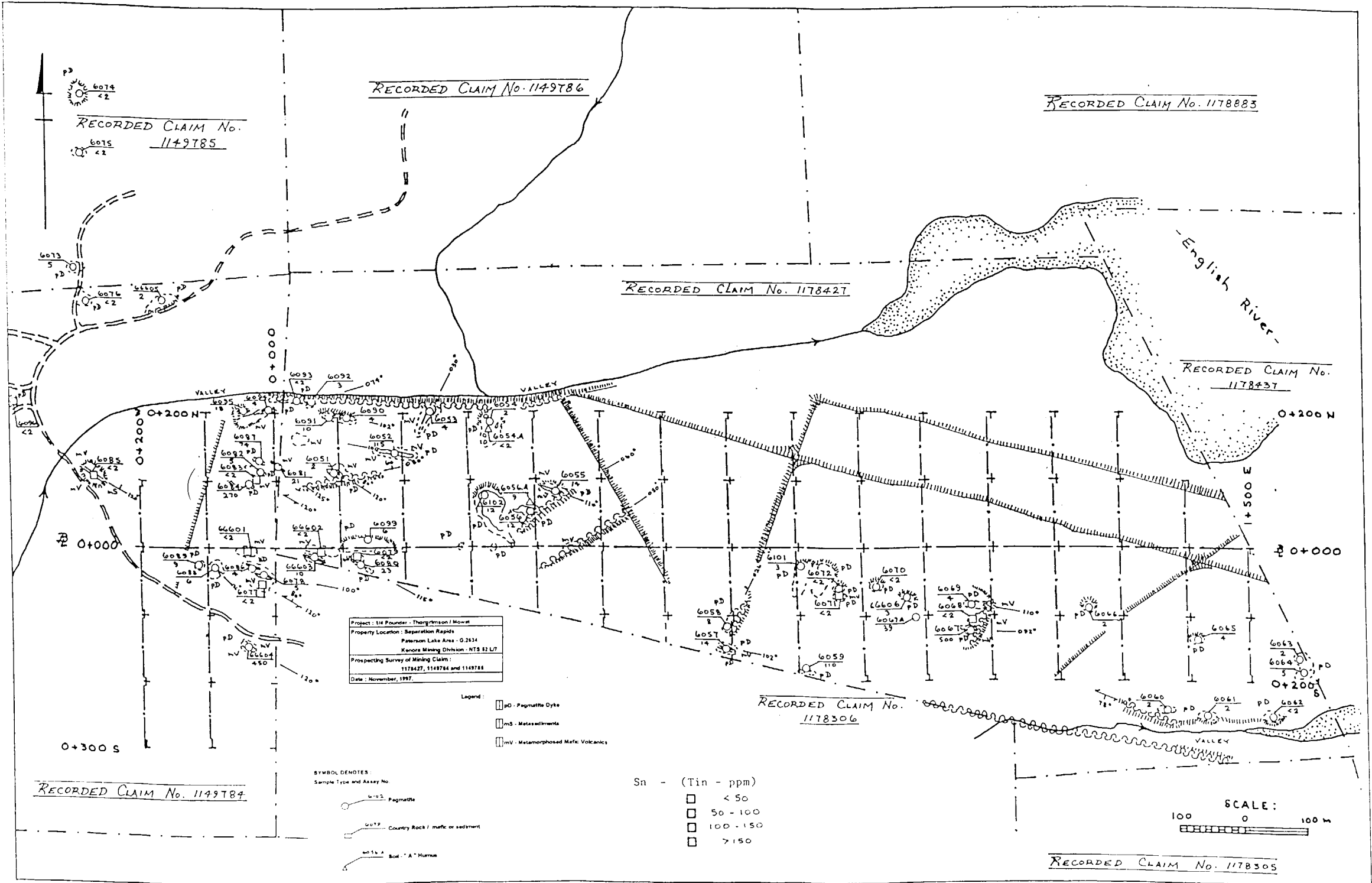
- Rb - (Rubidium - ppm)
- < 100
  - 100 - 500
  - 500 - 1000
  - > 1,000





# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305

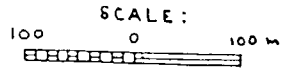
Project: 1st Panner - Thompson / Moore  
 Property Location: Separation Rapids  
 Fenelon Lake Area - O. 2434  
 Kenora Mining Division - NTS 82 LT  
 Prospecting Survey of Mining Claim:  
 1178427, 1149784 and 1149785  
 Date: November, 1997.

- Legend:
- ▭ PD - Pegmatite Dyke
  - ▭ MS - Metasediments
  - ▭ MV - Metamorphosed Mafic Volcanics

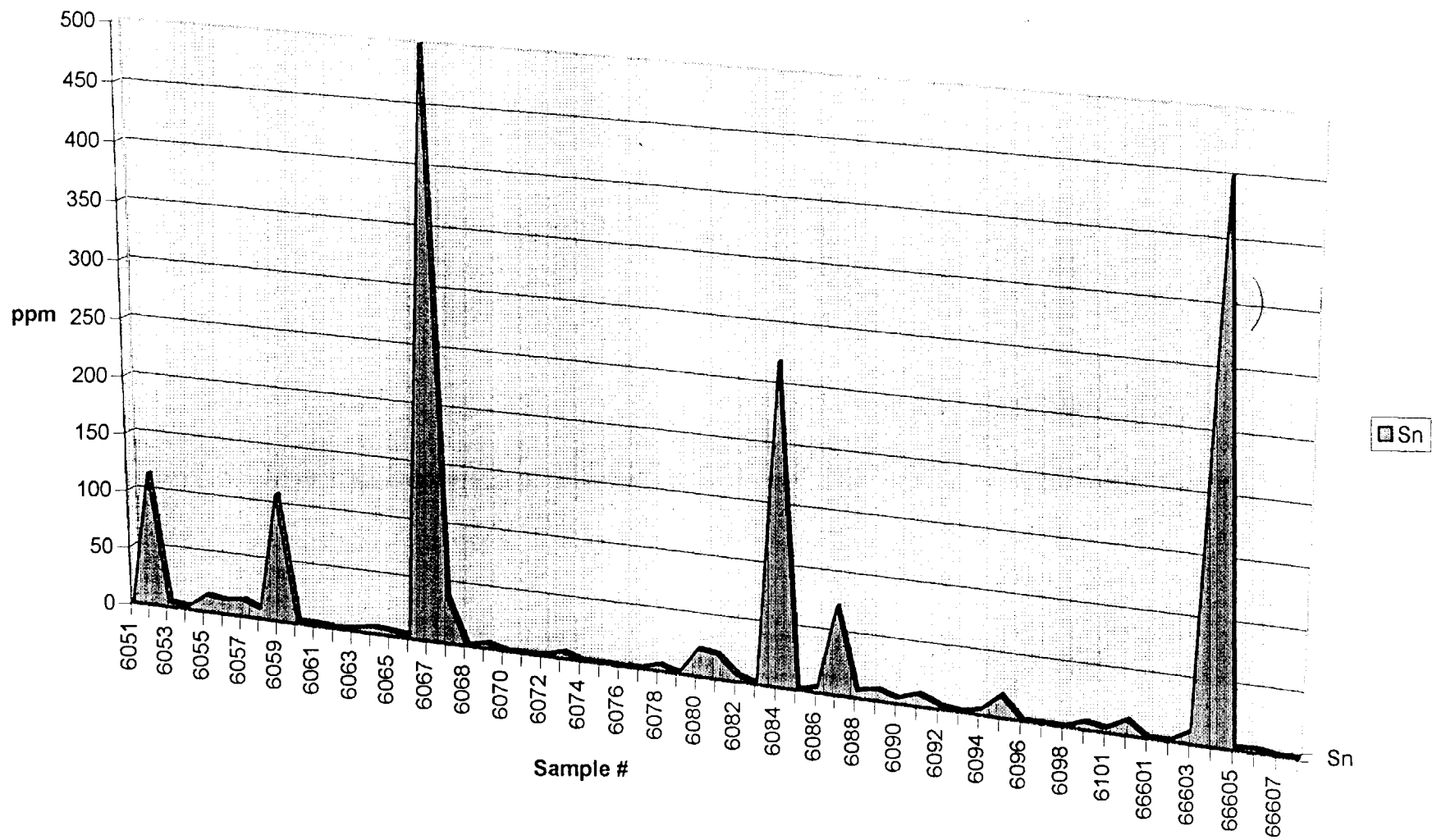
- SYMBOL DENOTES  
 Sample Type and Assay No.
- 6012 Pegmatite
  - 6079 Country Rock / mafic or sediment
  - 6014 Sp. - "A" Murm

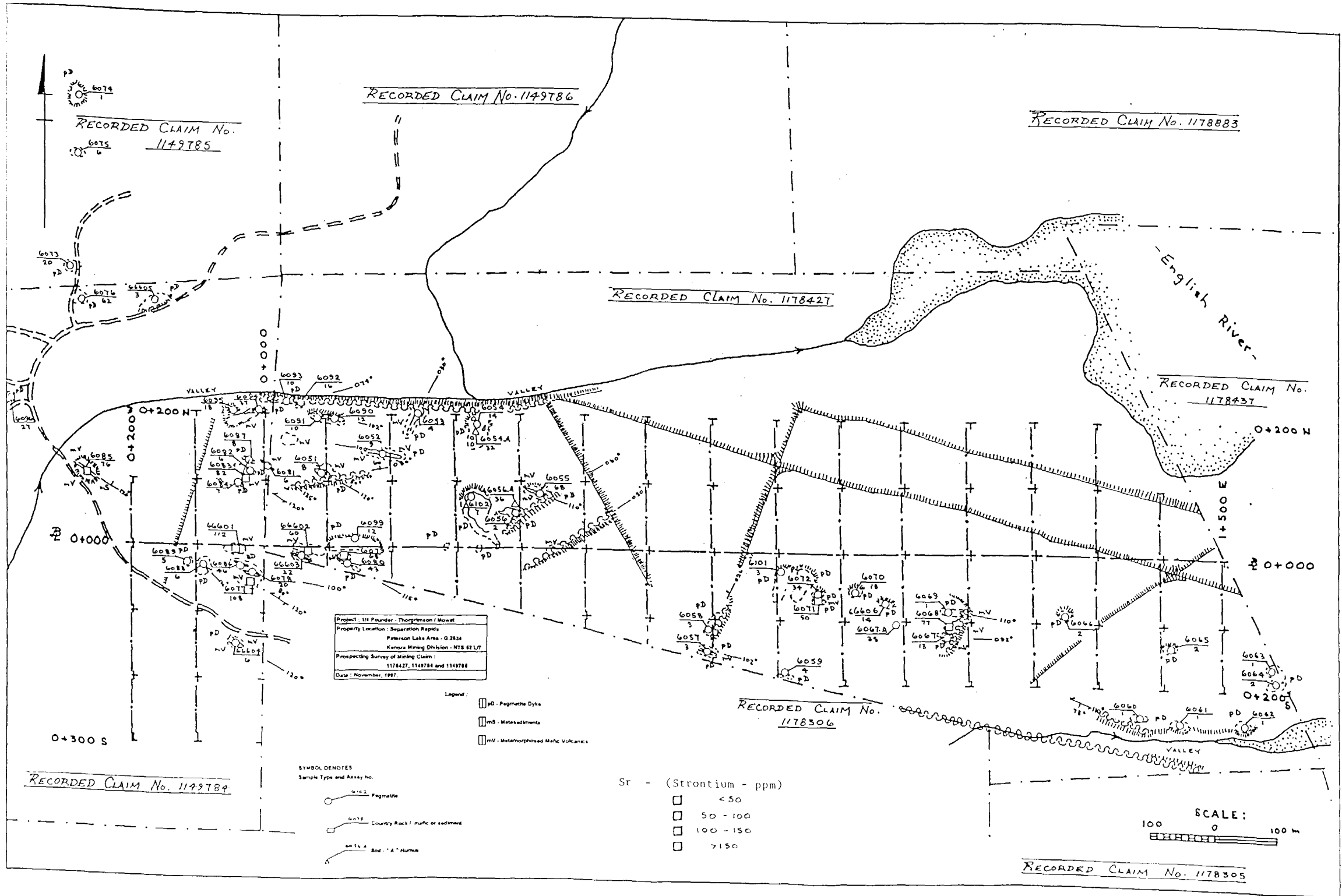
Sn - (Tin - ppm)

□	< 50
□	50 - 100
□	100 - 150
□	> 150



# Thorgrimson - Mowat





RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178431

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305

RECORDED CLAIM No. 1149789

Project: 1/4 Pounder - Thompson / Mowat  
 Property Location: Separation Rapids  
 Peterson Lake Area - Q.2834  
 Kenora Mining Division - NTS 82 L/7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149784 and 1149788  
 Date: November, 1987.

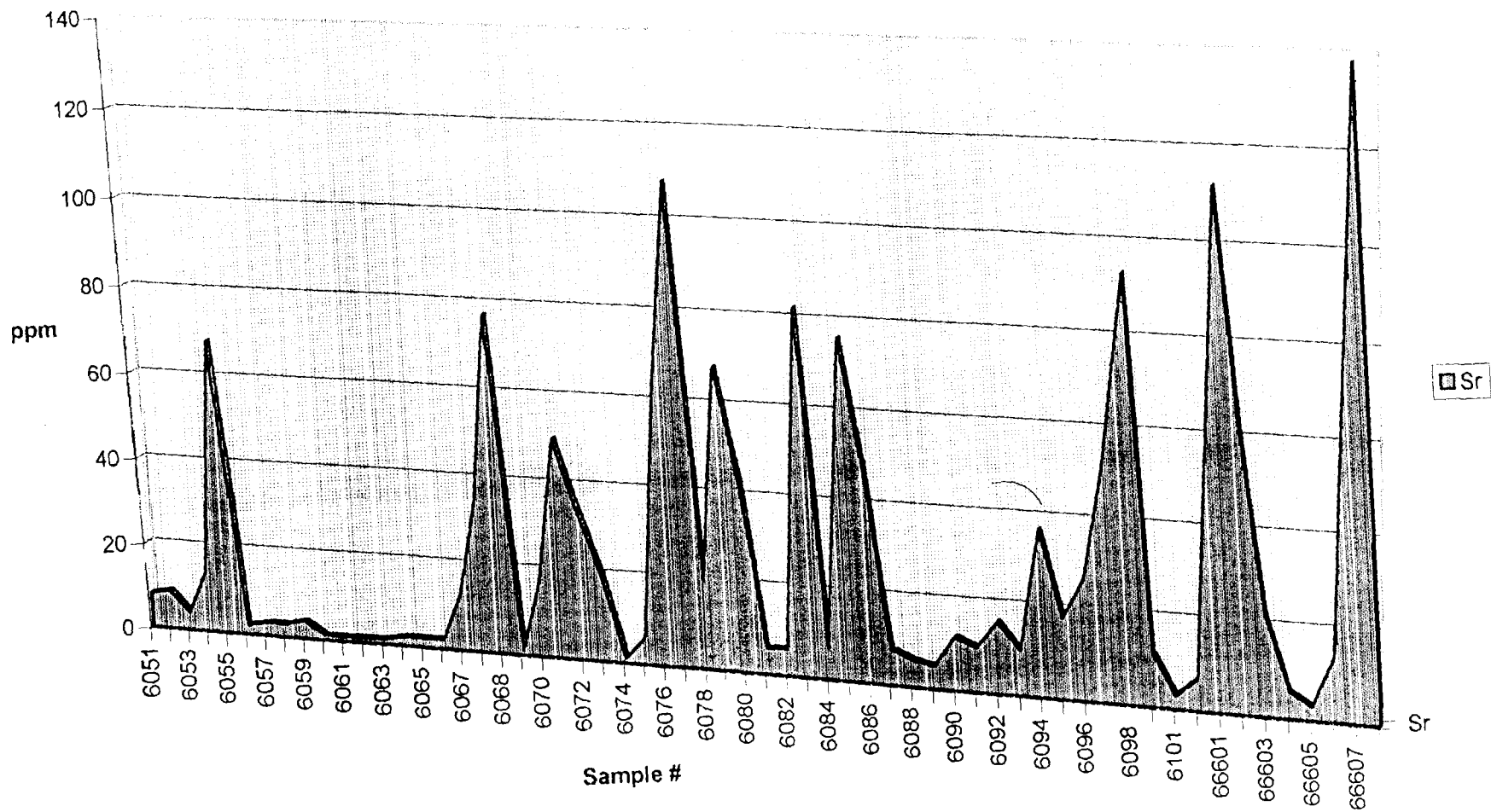
Legend:  
 pD - Pegmatite Dyke  
 mS - Metasediments  
 mV - Metamorphosed Mafic Volcanics

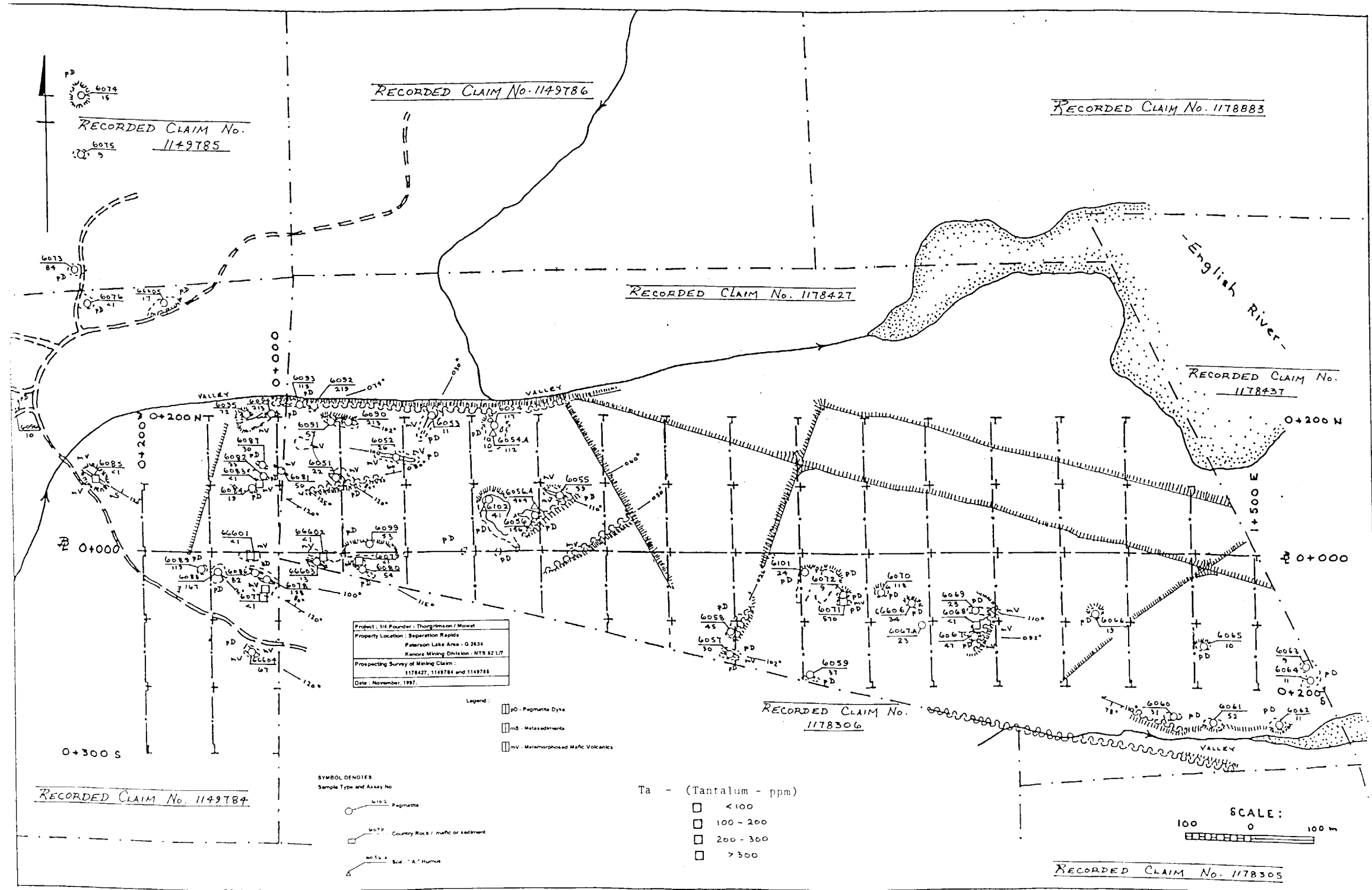
SYMBOL DENOTES:  
 Sample Type and Assay No.  
 6074 Pegmatite  
 6079 Country Rock / mafic or sediment  
 6074.A Soil - "A" Horizon

Sr - (Strontium - ppm)  
 □ < 50  
 □ 50 - 100  
 □ 100 - 150  
 □ > 150

SCALE:  
 100 0 100 m

# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785  
6015

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305

Project: 14 Pounder - Thompsons / Mowat  
 Property Location: Separation Rapids  
 Region: Kananaskis Division - MTS 82 L7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149784 and 1149785  
 Date: November, 1987.

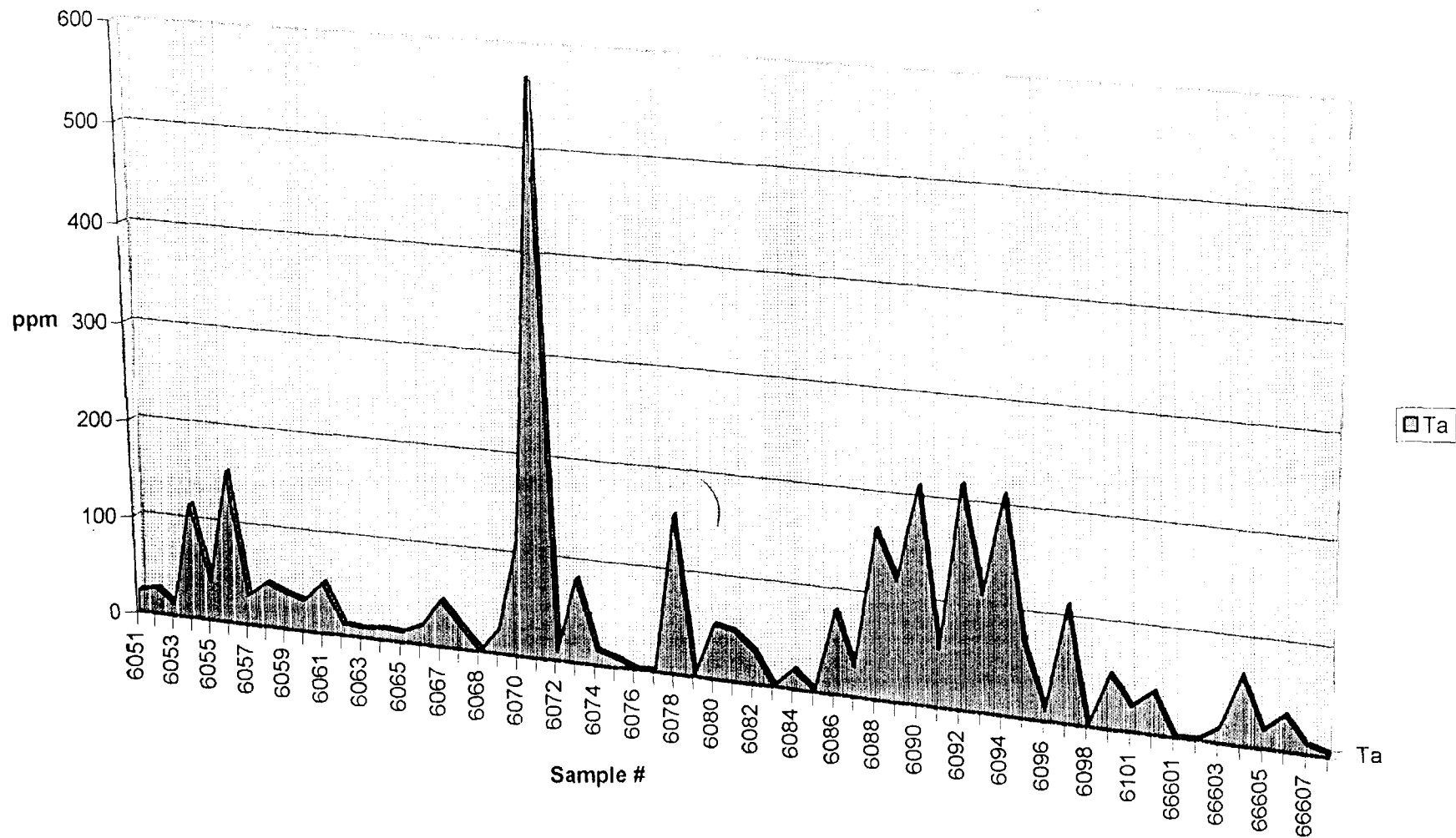
- Legend:
- PD - Pegmatite Dyke
  - ▨ MS - Metasediments
  - ▨ MV - Metamorphosed Mafic Volcanics

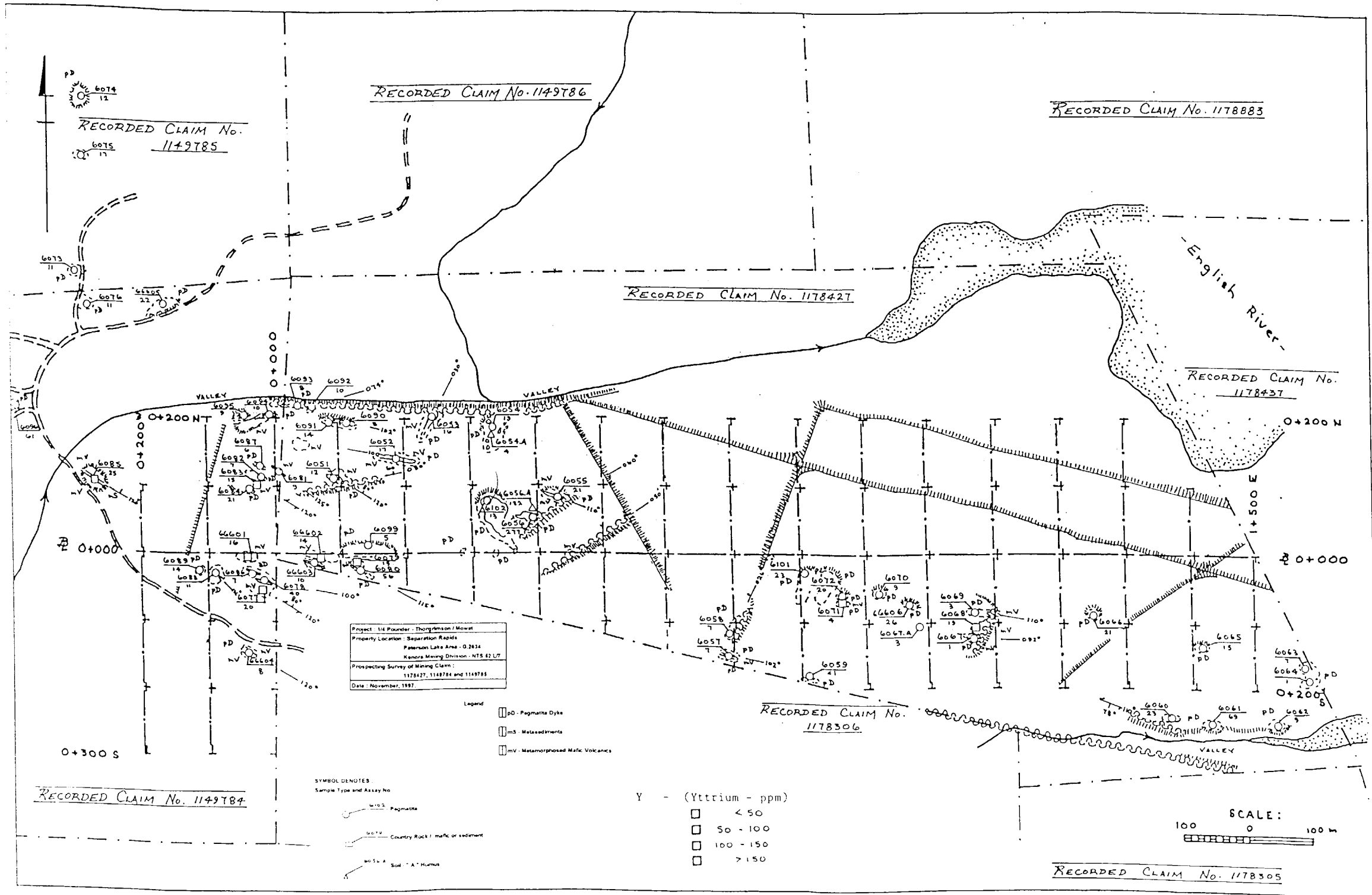
- SYMBOL DENOTES  
 Sample Type and Assay No.
- 6012 - Pegmatite
  - 6077 - Country Rock / mafic or sediment
  - 6014 - Bld. "A" Horns

- Ta - (Tantalum - ppm)
- < 100
  - 100 - 200
  - 200 - 300
  - > 300



# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1149784

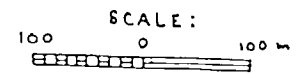
RECORDED CLAIM No. 1178305

Project: 1/4 Pounder - Thorgrimson / Mowat  
 Property Location: Separation Rapids  
 Peterson Lake Area - Q.2634  
 Kenora Mining Division - NTS 62 L7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149784 and 1149785  
 Date: November, 1997.

- Legend
- pd - Pagmatite Dyke
  - ms - Metasediments
  - mv - Metamorphosed Mafic Volcanics

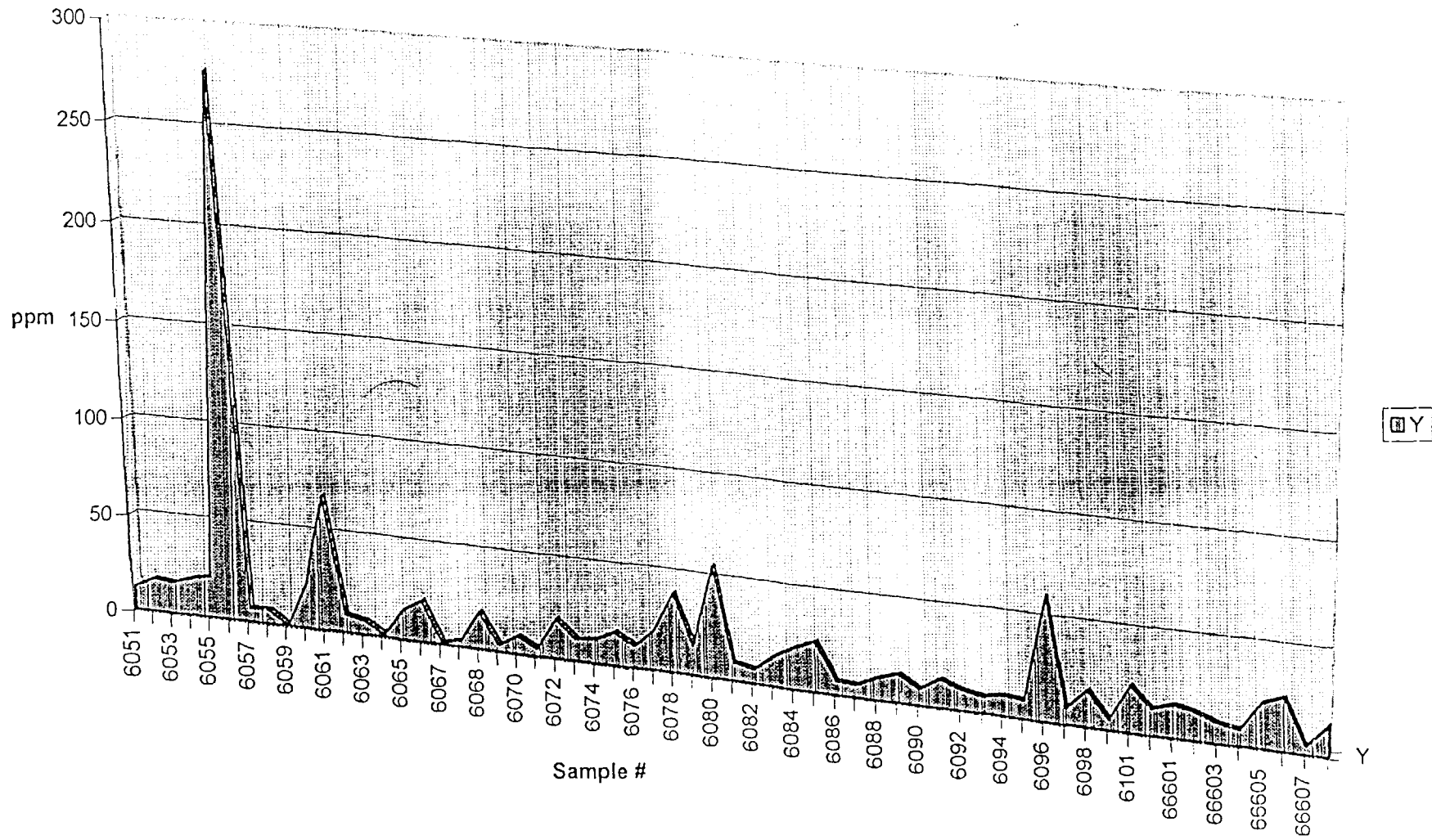
- SYMBOL DENOTES
- 6102 Pagmatite
  - 6077 Country Rock / mafic or sediment
  - 6076 A Soil - A - Humus

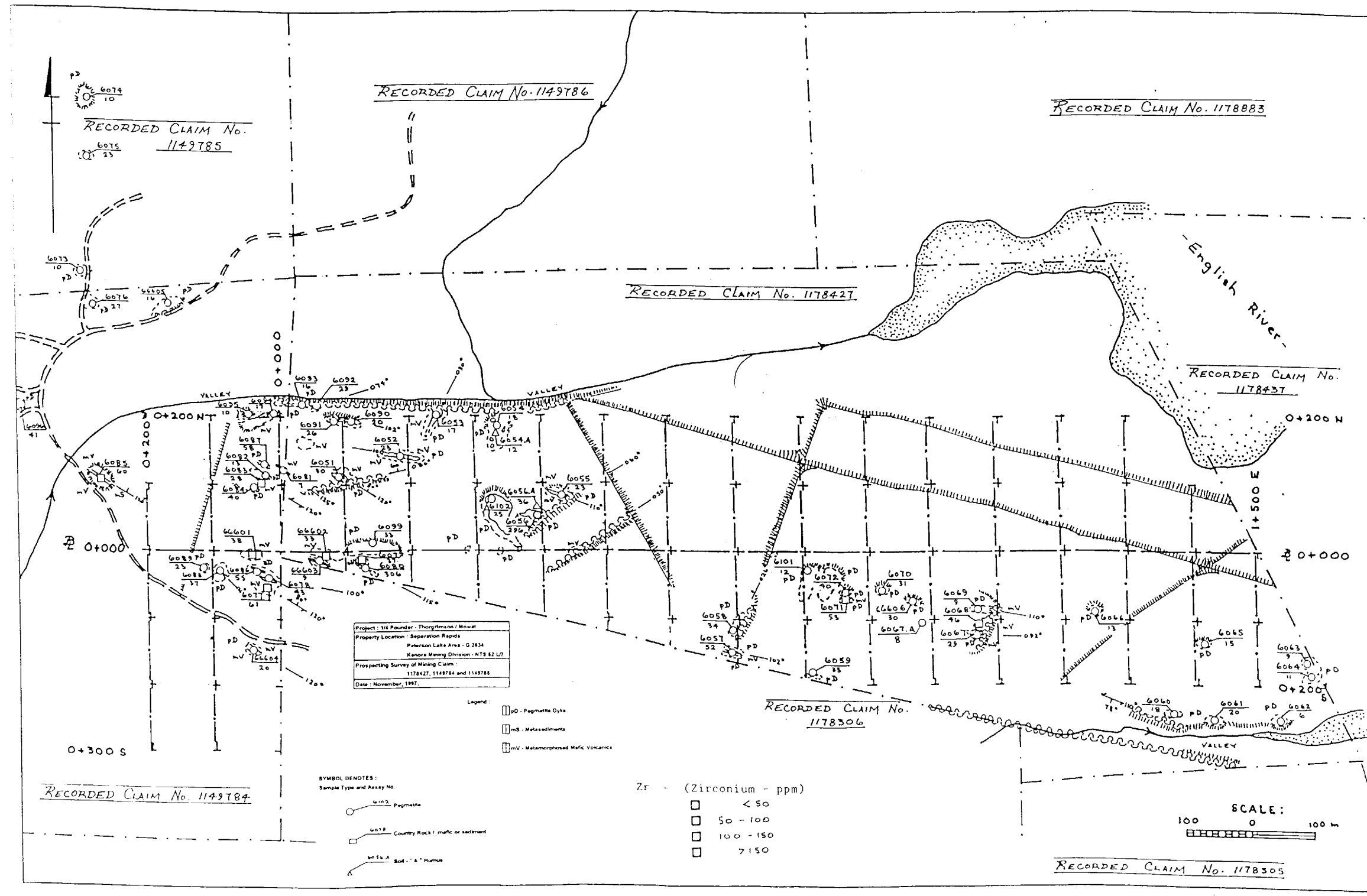
- Y - (Yttrium - ppm)
- < 50
  - 50 - 100
  - 100 - 150
  - > 150





# Thorgrimson - Mowat





RECORDED CLAIM No. 1149785  
6075 / 23

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1178306

RECORDED CLAIM No. 1178305

Project: 5/4 Pounder - Thorntimon / Mowat  
 Property Location: Separation Rapids  
 Paterson Lake Area - G 2434  
 Kanora Mining Division - NT3 82 L7  
 Prospecting Survey of Mining Claim:  
 1178427, 1149786 and 1149785  
 Date: November, 1997.

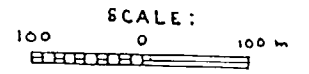
- Legend:
- ▬ PD - Pegmatite Dyke
  - ▬ MS - Metasediments
  - ▬ MV - Metamorphosed Mafic Volcanics

SYMBOL DENOTES:  
Sample Type and Assay No.

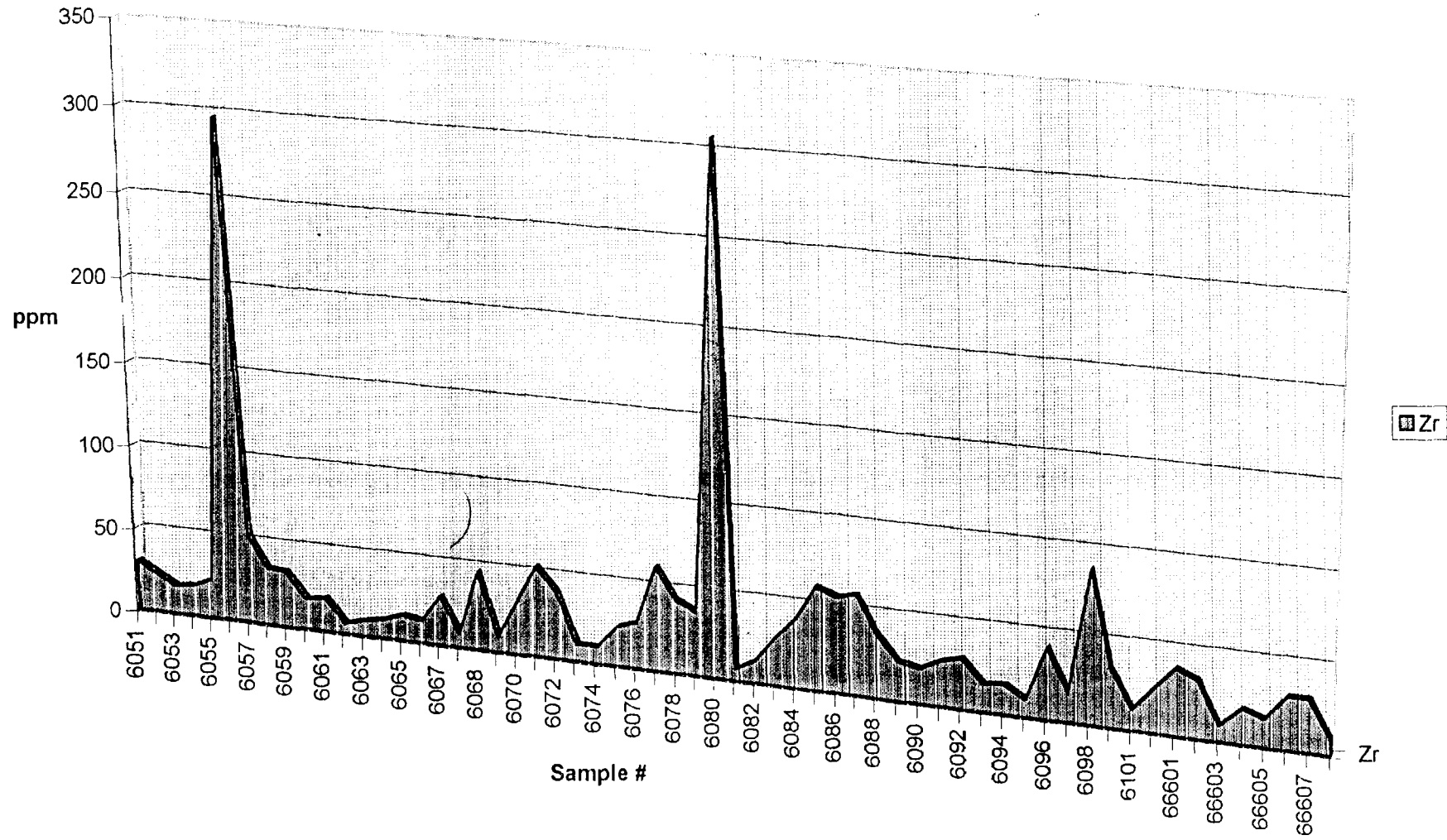
- 6074 - Pegmatite
- 6079 - Country Rock / mafic or sediment
- 6055.A - Soil - "A" Humus

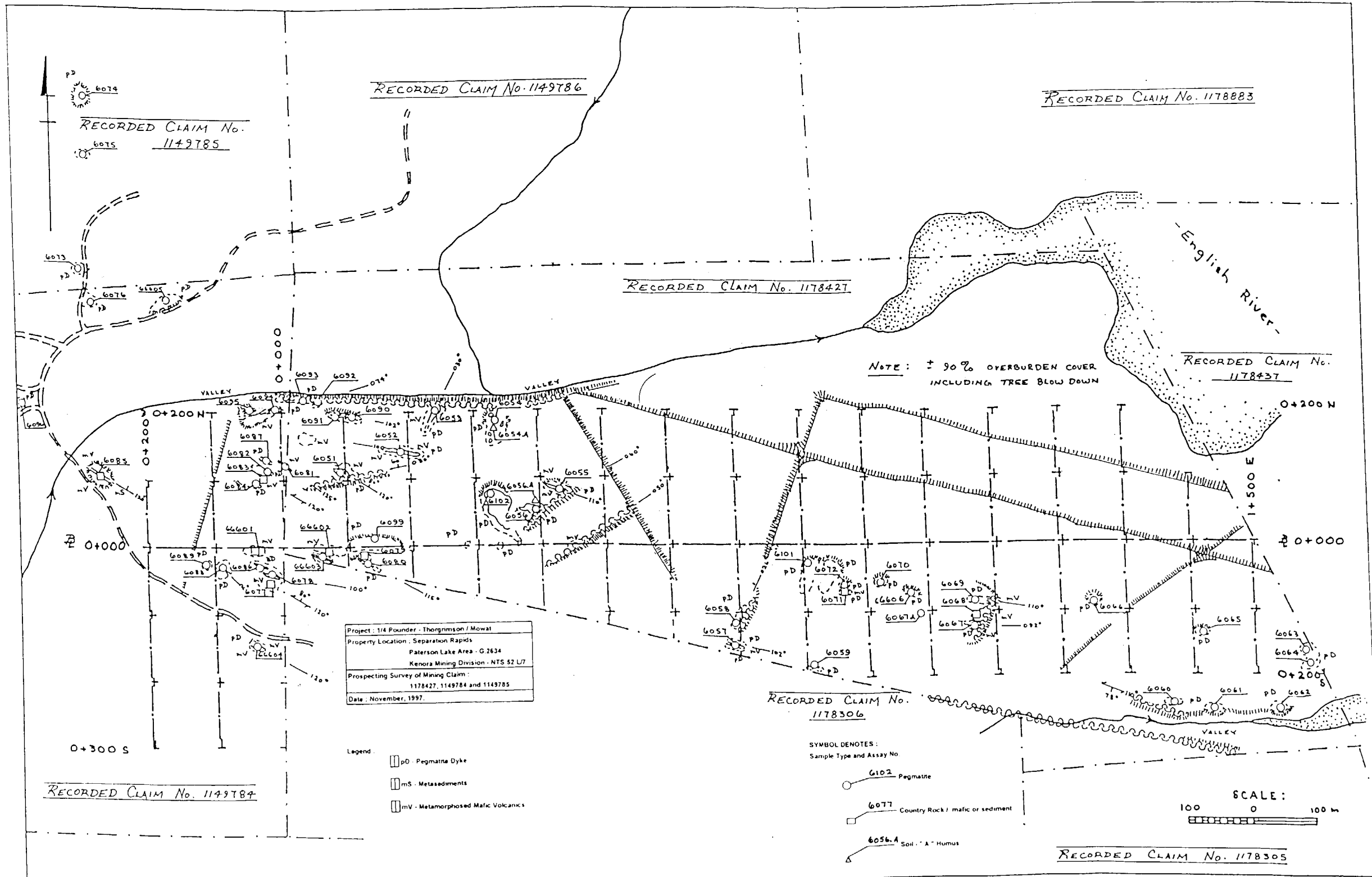
Zr - (Zirconium - ppm)

□	< 50
□	50 - 100
□	100 - 150
□	> 150



# Thorgrimson - Mowat





Project : 14 Pounder - Thorngimson / Mowat  
 Property Location : Separation Rapids  
 Paterson Lake Area - G 2634  
 Kenora Mining Division - NTS 52 U7  
 Prospecting Survey of Mining Claim :  
 1178427, 1149784 and 1149785  
 Date : November, 1997.

Legend:  
 □ pD - Pegmatite Dyke  
 □ mS - Metasediments  
 □ mV - Metamorphosed Mafic Volcanics

SYMBOL DENOTES:  
 Sample Type and Assay No.  
 ○ 6102 Pegmatite  
 □ 6077 Country Rock / mafic or sediment  
 △ 6056.A Soil - A - Humus

SCALE:  
 100 0 100 m

PROJECT 1/4 POUND RE PROSPECT, Thorngren Mound  
 PATERSON LAKE AREA - G. 2634  
 KENORA MINING DIVISION - NTS 52 L/7  
 PROSPECTING SURVEY OF MINING CLAIM  
 1178880, 1178881, 1178882, 1178883, 1149784,  
 1149785, 1149786 and 1178427  
 DATE: NOVEMBER 1997

LEGEND  
 PHANEROZOIC  
 CENOZOIC  
 QUATERNARY  
 PLEISTOCENE  
 TIL, clay, sand and gravel  
 Unconformity  
 PRECAMBRIAN  
 ARCHEAN

- pd Pegmatite Dykes - intrusives
- gi Granitic intrusives
- m3 Metasediments - mechanical / chemical
- iv Felsic Volcanics - extrusives
- mv Mafic Volcanics - extrusives

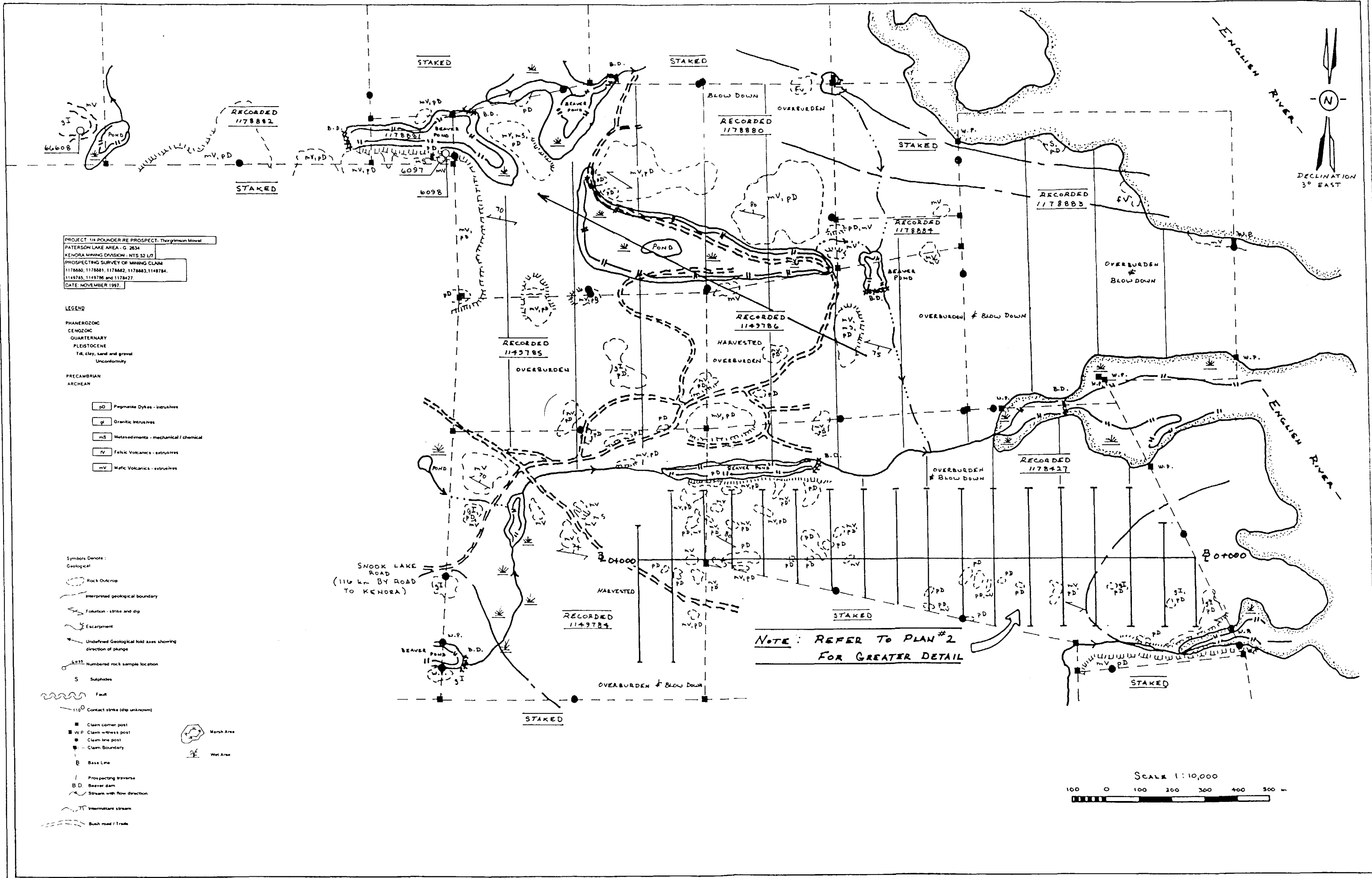
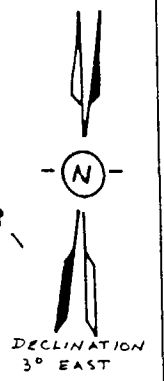
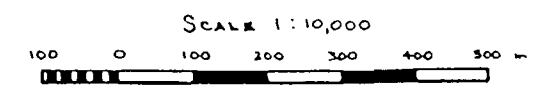
- Symbols Denote:
- Geological
- Rock Outcrop
  - Interpreted geological boundary
  - Foliation - strike and dip
  - Escarpment
  - Undefined Geological fold axes showing direction of plunge
  - Numbered rock sample location
  - S Sulphides
  - Fault
  - 110° Contact strike (dip unknown)
- Claim corner post
- W.P. Claim witness post
- Claim line post
- Claim Boundary
- Base Line
- Prospecting traverse
- B.D. Beaver dam
- Stream with flow direction
- Intermittent stream
- Bush road / Trade

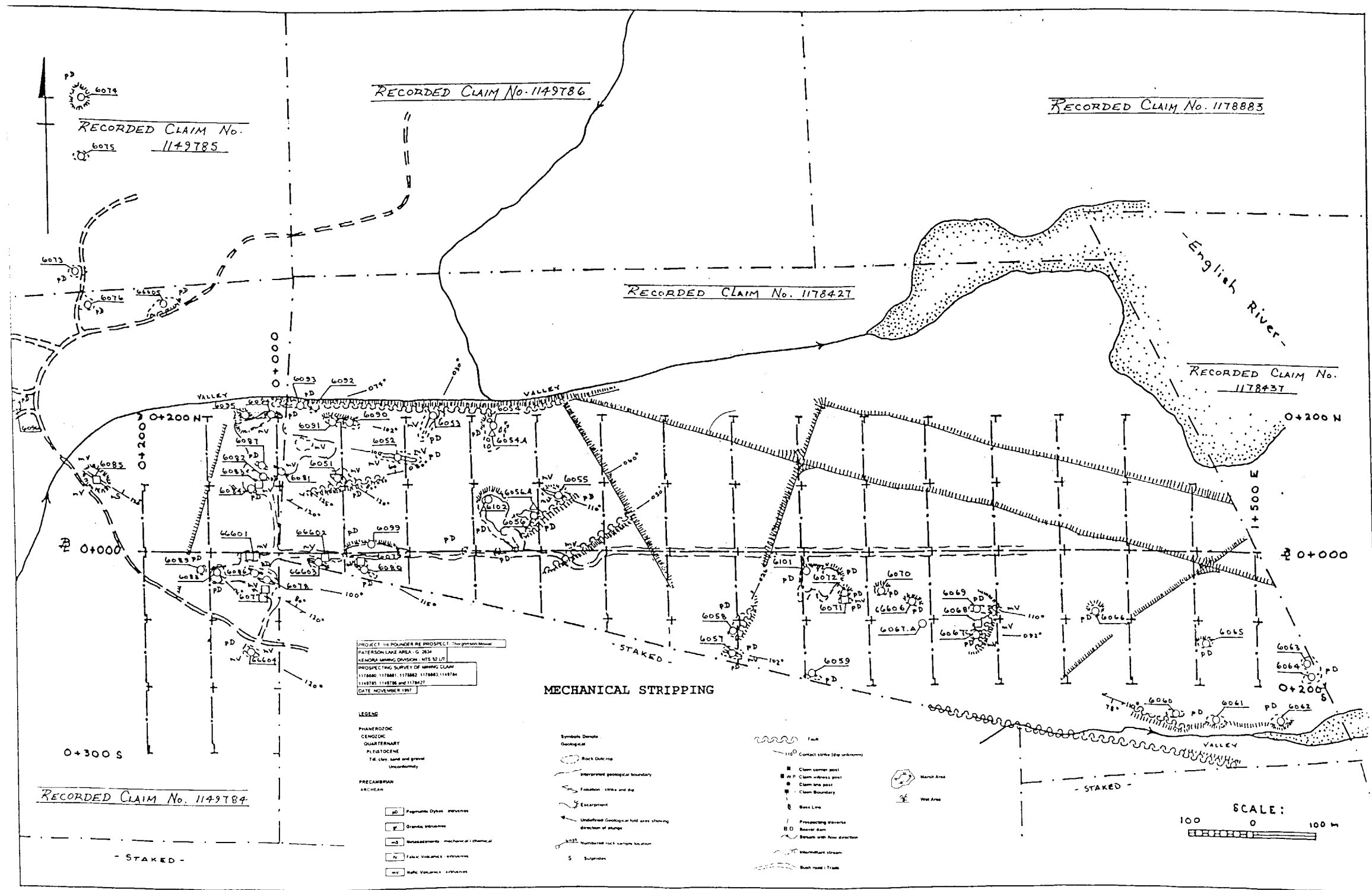
Marsh Area

Wet Area

SNOOK LAKE ROAD  
 (116 km BY ROAD  
 TO KENORA)

NOTE: REFER TO PLAN #2  
 FOR GREATER DETAIL





RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

RECORDED CLAIM No. 1149784

PROJECT: 14 POUNDER RE PROSPECT - Thompson Mine  
 PATERNAL LANE AREA - G. 2634  
 KENORA MINING DIVISION - NTS 52 1/7  
 PROSPECTING SURVEY OF MINING CLAIM  
 117840, 117841, 117842, 117843, 117844, 117845  
 1149785, 1149786 and 1178427  
 DATE: NOVEMBER 1997

- LEGEND**
- PHANEROZOIC**  
**CENOZOIC**  
 QUATERNARY  
 PLEISTOCENE  
 Td: clay, sand and gravel  
 unconformity
- PRECAMBRIAN**  
 ARCHEAN
- PD Pyroclastic Deposit - intrusives
  - GR Granite - intrusives
  - MB Metasediments - mechanical / chemical
  - N Talcic Volcanics - intrusives
  - MV Mafic Volcanics - intrusives

**MECHANICAL STRIPPING**

- Symbols Denote Geological**
- Rock Outcrop
  - Interpreted geological boundary
  - Fault - strike and dip
  - Escarpment
  - Undefined Geological Unit area showing direction of plunge
  - Numbered rock sample location
  - S Suppression

- Symbols Denote**
- Fault
  - 110° Contact strike (for unknown)
  - Claim corner post
  - Claim line post
  - Claim boundary
  - Stake Line
  - Prospecting traverse
  - Beaver dam
  - Stream with flow direction
  - Intermittent stream
  - Blank road / Trail

- Marsh Area
- Wet Area



REPORT OF WORK OUTLINING  
MANUAL AND MECHANICAL OUTCROP STRIPPING

2. 18225

FROM MAY 17 TO NOVEMBER 09, 1997, 37 DAYS WAS SPENT IN MANUAL (GRUB-HOE) AND MECHANICAL STRIPPING (TIMBER-JACK)

- 6 DAYS OR 40 HOURS @ \$50.00/HOUR MECHANICAL (SEPTEMBER 17, 18, 20, 21, 22 & 23) AND
- 31 DAYS MANUAL BY MR. THORGRIMSON.

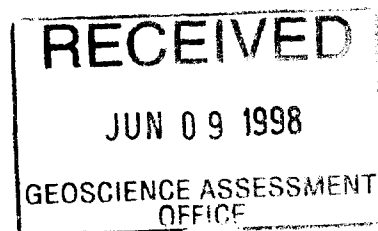
REFER TO MR. PHILLIP E. THORGRIMSON'S OPAP FINAL SUBMISSION FORM 1997 AND PLAN No. 4 - MANUAL / MECHANICAL STRIPPING PLAN, SCALE 1:4,000 m. BOTH DOCUMENTS ENCLOSED.

REFERRING TO PLAN No. 4, THE STRIPPED OUTCROPS ARE DESIGNATED BY SAMPLE NUMBER AND GRID-LINE LOCATION CO-ORDINATES WHICH INCLUDES SAMPLE / ROCK DESCRIPTIONS AND DIMENSIONAL EXPOSURE DATA.

MECHANICAL STRIPPING, NOTED IN DARK SHADE ON PLAN No. 4 WAS CONDUCTED IN AND ABOUT THE No. 3 CLAIM POST OF RECORDED MINING CLAIM No. K.1178427 AND EAST FOLLOWING THE PREVIOUSLY ESTABLISHED B FROM 0+050 W TO 1+150 E - DISTANCE OF 1,200 m.. THIS STRIPPING UN-COVERED DYKES No. 6099 AND 6101. 6099, WHEN SAMPLED, RETURNED Li VALUES EXCEEDING 10,000 ppm.

REPORT BY : P. E. THORGRIMSON

DATED AT : KENORA, ONTARIO



LEGEND

PRECAMBRIAN  
ARCHEAN

PHANEROZOIC  
CENOZOIC  
QUATERNARY  
PLEISTOCENE  
Till, clay, sand and gravel  
Unconformity

pD Pegmatite Dykes - intrusives  
gI Granitic Intrusives  
mS Metasediments - mechanical / chemical  
IV Felsic Volcanics - extrusives  
mV Mafic Volcanics - extrusives

Project: 1/4 Pounder  
Property Location: Separation Rapids  
Property: Thorgrimson-Mowat

Sample #	Sample Location	Sample Description
6051	0+090E - 0+110N	○ - pD - 1 <sup>m</sup> X STRIKE LENGTH - 5 <sup>m</sup> @ 120° - DIP 80°W
6052	0+185E - 0+140N	○ - pD - 1/2 <sup>m</sup> X STRIKE EXPOSURE - 5 <sup>m</sup> @ 100°
6053	0+230E - 0+205N	○ - pD - 3 <sup>m</sup> X STRIKE EXPOSURE - 6 <sup>m</sup> @ 210° (cpy-Tr)
6054	0+335E - 0+185N	○ - pD - 30 <sup>m</sup> X 50 <sup>m</sup> S. EXPOSURE
6055	0+430E - 0+080N	○ - pD - 1 <sup>m</sup> X STRIKE EXPOSURE - 5 <sup>m</sup> @ 110°
6056	0+395E - 0+050N	○ - pD - 10 <sup>m</sup> X STRIKE EXPOSURE - 40 <sup>m</sup> E/W
6057	0+690E - 0+150S	○ - pD - 2 DYKES - 1/2 <sup>m</sup> & 1/4 <sup>m</sup> WIDE X 3 <sup>m</sup> EXPOSURE @ 102°
6058	0+695E - 0+120S	○ - pD - EXPOSURE - 8 <sup>m</sup> WIDE X 8 <sup>m</sup> STRIKE LENGTH @ 026°
6059	0+810E - 0+185S	○ - pD - 2 DYKES - EXPOSURE - 2 <sup>m</sup> X 2 <sup>m</sup> (OGS SL 015)
6060	1+385E - 0+245S	○ - pD, gI - EXPOSURE - 15 <sup>m</sup> STRIKE LENGTH @ 110° X 6 <sup>m</sup>
6061	1+425E - 0+250S	○ - pD, gI - EXPOSURE - do.
6062	1+530E - 0+250S	○ - pD, gI - EXPOSURE - 15 <sup>m</sup> X 15 <sup>m</sup>
6063	1+575E - 0+165S	○ - pD, gI - 40 <sup>m</sup> ALONG CLAIM BOUNDARY BY 25 <sup>m</sup>
6064	1+580E - 0+180S	○ - pD, gI - do.
6065	1+415E - 0+140S	○ - pD, gI - EXPOSURE - 20 <sup>m</sup> X 15 <sup>m</sup>
6066	1+250E - 0+090S	○ - pD, gI - EXPOSURE - 20 <sup>m</sup> X 15 <sup>m</sup>
6067	1+065E - 0+125S	○ - pD - EXPOSURE - 1 <sup>m</sup> WIDE BY 5 <sup>m</sup> STRIKE LENGTH @ 092°
6067.A	0+285E - 0+105S	○ - pD - EXPOSURE - 5 <sup>m</sup> N/S. X 10 <sup>m</sup> E/W.
6068	1+065E - 0+110S	□ - mV - EXPOSURE - 10 <sup>m</sup> X 10 <sup>m</sup>
6069	1+070E - 0+085S	○ - pD - EXPOSURE - 10 <sup>m</sup> N/S X 25 <sup>m</sup> LONG E/W
6070	0+920E - 0+055S	○ - pD - EXPOSURE - 15 <sup>m</sup> X 15 <sup>m</sup>
6071	0+860E - 0+070S	□ - mV - EXPOSURE - 15 <sup>m</sup> N/S X 40 <sup>m</sup> E/W
6072	0+860E - 0+070S	○ - pD - EXPOSURE - 2 <sup>m</sup> N/S X 5 <sup>m</sup> E/W
6073	0+300W - 0+410S	○ - pD - EXPOSURE - 10 <sup>m</sup> E/W X 15 <sup>m</sup> N/S
6074	0+290W - 0+670N	○ - pD, gI - EXPOSURE - STOCK - 25 <sup>m</sup> X 25 <sup>m</sup>
6075	0+290W - 0+585N	○ - pD, gI - EXPOSURE - 5 <sup>m</sup> X 5 <sup>m</sup>
7076	0+290W - 0+360N	○ - pD - EXPOSURE - 10 <sup>m</sup> X 15 <sup>m</sup> N/S
6077	0+020W - 0+055S	□ - mV - EXPOSURE - STRIKE 120° - DIP 75°N - 810, D. 111 <sup>m</sup>
6078	0+020W - 0+040S	○ - pD - EXPOSURE - 1 <sup>m</sup> X STRIKE LENGTH 12 <sup>m</sup> @ 100°
6079	0+120E - 0+015S	□ - mV - EXPOSURE - BEDDING CONTACT 076°
6080	0+125E - 0+025S	○ - pD - EXPOSURE - 1/2 <sup>m</sup> WIDE X STRIKE LENGTH - 10 <sup>m</sup>
6081	0+005E - 0+120N	○ - pD - EXPOSURE - 1 <sup>m</sup> WIDE X 5 <sup>m</sup> STRIKE LENGTH @ 125°



CONTINUED (2 OF 2)

Sample #	Sample Location	Sample Description
6082	0+020W-0+110N	○ - pD - EXPOSURE - 6 <sup>m</sup> WIDE X 25 <sup>m</sup> @ 090°
6083	0+030W-0+100N	□ - mV - EXPOSURE
6084	0+040W-0+095N	○ - pD - EXPOSURE - 6 <sup>m</sup> WIDE X 25 <sup>m</sup>
6085	0+275W-0+100N	□ - mS - EXPOSURE - 1 <sup>m</sup> WIDE - STRIKE @ 119°
6086	0+035W-0+030S	○ - pD - EXPOSURE - 1/2 <sup>m</sup> WIDE X 4 <sup>m</sup> . Beryl.
6087	0+025W-0+130N	○ - pD - EXPOSURE - 3 <sup>m</sup> X 3 <sup>m</sup>
6088	0+090W-0+030S	○ - pD - EXPOSURE - 10 <sup>m</sup> X 10 <sup>m</sup> @ 136° . Diop, bio
6089	0+115W-0+025S	○ - pD - EXPOSURE - 1 <sup>m</sup> X 5 <sup>m</sup> E/W
6090	0+110E-0+195N	○ - pD - EXPOSURE - 3 <sup>m</sup> X 15 <sup>m</sup> STRIKE @ 102°
6091	0+085E-0+195N	○ - pD - EXPOSURE - 1/2 - 1 <sup>m</sup> LL DYKELETS
6092	0+055E-0+215N	○ - pD - EXPOSURE - 5 <sup>m</sup> X 5 <sup>m</sup> @ 074°
6093	0+025E-0+220N	○ - pD - EXPOSURE - 10 <sup>m</sup> N/S BY 50 <sup>m</sup> E/W
6094	0+020W-0+205N	○ - pD - EXPOSURE - 1 <sup>m</sup> X 10 <sup>m</sup> E/W
6095	0+050W-0+200N	○ - pD - EXPOSURE - 2 - 1/2 <sup>m</sup> X 1/2 <sup>m</sup> - CLEAN CONTACTS
6096	0+450W-0+190N	○ - pD, gI - EXPOSURE - 10 <sup>m</sup> N/S X 15 <sup>m</sup> .
6099	0+140E-0+015N	○ - pD - EXPOSURE - 25 <sup>m</sup> N/S X 70 <sup>m</sup> E/W
6101	0+805E-0+025S	○ - pD - EXPOSURE - 50 <sup>m</sup> N/S X 60 <sup>m</sup> E/W
6102	0+325E-0+075N	○ - pD - EXPOSURE - 75 <sup>m</sup> N/S X 35 <sup>m</sup> E/W
66601	0+040W-0+005S	□ - mV - EXPOSURE - 15 <sup>m</sup> N/S X 30 <sup>m</sup> E/W
66602	0+065E-0+005S	□ - mV - EXPOSURE - 15 <sup>m</sup> N/S X 45 <sup>m</sup> E/W
66603	0+055E-0+015S	○ - pD - EXPOSURE - 1/2 <sup>m</sup> X 30 <sup>m</sup> STRIKE @ 100°
66604	0+040W-0+150S	○ - pD - EXPOSURE - 1 <sup>m</sup> X 20 <sup>m</sup> STRIKE @ 120°
66605	0+170W-0+370N	○ - pD, gI - EXPOSURE - 20 <sup>m</sup> N/S X 40 <sup>m</sup> E/W
66606	0+965E-0+085S	○ - pD - EXPOSURE - 10 <sup>m</sup> N/S X 20 <sup>m</sup> E/W
OTHER		
6097	20 <sup>m</sup> N. OF #2 POST CLAIM 117881	□ - mS - EXPOSURE - 1/2 <sup>m</sup> N/S X 10 <sup>m</sup> E/W. f.g. siliceous 24 ± 20% fig. area 5.
6098	25 <sup>m</sup> N. OF #2 POST CLAIM 117882	○ - pD - EXPOSURE - 10 <sup>m</sup> N/S X 100 <sup>m</sup> E/W
66607	150 <sup>m</sup> N.W. OF #3 POST CLAIM 117883	○ - pD, gI - EXPOSURE - 70 <sup>m</sup> N/S X 100 <sup>m</sup> E/W
66608	400 <sup>m</sup> N.W. OF DEAD GOOSE LAKE - WESTERN	○ - pD - EXPOSURE - 1 <sup>m</sup> X 5 <sup>m</sup> E/W
SOILS		
SR6054A	0+330E-0+180N	Δ - "A" HUMUS
SR6056A	0+390E-0+065N	Δ - "A" HUMUS

# ONTARIO PROSPECTORS ASSISTANCE PROGRAM (OPAP) FINAL SUBMISSION FORM 1997

INSTRUCTIONS: Please read the guidebook before completing form. Submit completed form and supporting documentation by January 31, 1998 to:

OPAP, Mines Group  
Ministry of Northern Development & Mines  
4th Floor, 933 Ramsey Lake Rd., Sudbury, Ontario P3E 6B5

TO BE COMPLETED BY SUCCESSFUL GRANTEES AFTER PROJECT COMPLETION AND ACCOMPANIED BY WRITTEN REPORTS, MAPS, ETC.

<b>RECEIVED</b>	
MINES GROUP	
Please type or print DEC 12 1997	
LOG NO.	
TAKE ACTION PERMITS	
COPIES/FILE	
DEVELOPMENT EXPENDITURE	
DEVELOPMENT PERMITS	
RENEWAL EXPENDITURE	
FINANCIAL ASSISTANCE	
INCENTIVES	
MINING CLAIMS	
ACTIVITY	97-285
OTHER	

Applicant PHILLIP E. THORGRIMSON File Number OP97-285

Proposed project area(s) (Twp. or claim map name, latitude and longitude) \_\_\_\_\_ Completed? \_\_\_\_\_

1. PATERSON LAKE AREA - G. 2634, NTS 52 L17, Yes  No
2. LATITUDE 50°15', LONGITUDE 94°30', KENORA Yes  No   
MINING DIVISION

Changes to proposed project(s) (if any)  
CONTINUING TO PHASE II - EXPLORATION

List other co-owners of the property with OPAP grants that worked on project  
ALASDAIR J. M. MOWAT (A.39679, CLIENT No. 173492,  
OP97-284)

I. WORK PERFORMED BY APPLICANT (Summary of Section IV)

1. Project #1 area/name		No. days worked by applicant (that's only you)
<u>1/4 POUNDER - RARE ELEMENT PROJECT</u>	<u>THORGRIMSON/MOWAT</u>	
Traditional prospecting	No. of samples <u>25</u> (PROSPECTING)	<u>30</u>
Geological surveys	Scale <u>1:10,000 AND 1:5,000</u>	
Geophysical surveys	Type _____ Miles/km _____	<u>N/A</u>
Geochemical surveys	Type _____ No. of samples _____	<u>N/A</u>
Drilling	Type _____ Ft/m _____	<u>N/A</u>
Stripping/Trenching	Method <u>MANUAL GRUB-HOE AND HEAVY MECHANICAL</u> <u>TIMBER JACK STRIPPING (SEPT. 17, 18, 20</u> <u>TO 25)</u>	<u>31</u>
Other	Type <u>REPORT, MAPS AND PLANS</u>	<u>10</u>
TOTAL		<u>77</u>

Form filled out by  Applicant  Other (please specify) \_\_\_\_\_  
 Report prepared by  Applicant  Other (please specify) \_\_\_\_\_  
 Technical report Filed for Assessment Work Yes  No  HOWEVER, AT A LATER DATE  
 JANUARY 1998

I. WORK PERFORMED BY APPLICANT (Continued)

2. Project #2 area/name _____		No. days worked by applicant
Traditional prospecting	No. of samples _____	
Geological surveys	Scale _____	
Geophysical surveys	Type _____ Miles/km _____	
Geochemical surveys	Type _____ No. of samples _____	
Drilling	Type _____ Ft/m _____	
Stripping/Trenching	Method _____	
Other	Type _____	
TOTAL		
TOTAL DAYS (ALL PROJECTS)		A <u>77</u>

(Attach additional sheets for additional project areas as required)

II. EXPENDITURES (total of all projects) - Summary of I and II

1. Number of working days by applicant (A) x \$100/day ..... <u>67</u> x <u>\$100/DAY</u> .....	\$ <u>6,700.00</u>	
2. Number of report preparation days by applicant x \$100/day <u>500</u> DAYS x \$100/DAY	\$ <u>50,000.00</u>	
3. Analyses/Assay costs <u>CHEMEX LABS (67 SAMPLES)</u> <u>\$3,273.<sup>30</sup></u> <u>÷ 2</u>	\$ <u>1,636.65</u>	
4. Equipment rentals	\$ _____	
5. Consumable Supplies	\$ <u>N/A</u>	
6. Contract services (state type) <u>MECHANICAL STRIPPING - TIMBER JACK</u>		
# of workers	\$ <u>N/A</u>	
# of days worked <u>6 (40 hr @ \$50/hr)</u>	\$ <u>2,000</u>	
	\$ <u>N/A</u>	
7. Travel (state method: road, air, etc.)		
<u>ROAD - TRUCK (6 DAYS X 266 km @ \$0.30)</u>	\$ <u>5,346.60</u>	
<u>ROAD - TRUCK (6 DAYS X 34 km @ \$0.30) - REPORT &amp; PLANS</u>	\$ <u>61.20</u>	
8. Food and Accommodation <u>\$25 PER DIEM X 67 DAYS</u>	\$ <u>1,675.00</u>	
9. Other expenses (specify, e.g. typing, printing, shipping of supplies)		
<u>STATIONARY</u>	\$ _____	
<u>COMPUTER SUPPLIES</u>	\$ <u>163.72</u>	
10. Helpers	\$ <u>N/A</u>	
# of helpers	\$ _____	
# of days worked	\$ _____	
TOTAL EXPENDITURES		\$ <u>18,083.17</u>

10000  
ERR

PHILLIP E. THORGRIMSON

0997-285

III DETAILED LIST OF EXPENDITURES (Summarize in Section II)

Date 1997	Recipient of Payment	Explanation	Amount
OCT. 08	MIN. OF NBR. DEVEL. #MINES WHITE PRINT & 20 808 ROBERTSON ST. KENORA, ONT.	PHOTOCOPIES	3.45
OCT. 28	"	WHITE PRINTS #3 AND 6 ABSTRACTS	17.84
OCT. 17	WILSON'S STATIONARY KENORA	STATIONARY AND FAX SUPPLIES (PICK-UP)	16.08
NOV. 08	"	STATIONARY, PENCIL LEADS, PHOTOCOPIES (PICK-UP)	20.58
MAY 31	ZELLERS, KENORA	COMPUTER PAPER SUPPLIES	22.97
OCT. 08	KENORA 1/2 HOUR PHOTO INC., KENORA	8" X 11" PICTROSTAT AIRPHOTOS COPIES	82.80
SEPT. 13, 14, 16, 17, 18 AND 20	MR. BRIAN PROUTY KENORA, ONT.	MACHANIAL STRIPPING -TIMBER JACK (6 DAYS) (40 hr @ \$50/hr.)	2,000.00
09/23 TO 11/12	CHEMEX LABS. LTD. - N. VANCOUVER, B.C. - THUNDER BAY, ONT.	ROCK (65) & SOIL (2) ANALYSIS - CERTIFICATES OF ANALYSIS # A 9743791, A 9743792, A 9744080, A 9747577, A 9748062, A 9749407, A 9749408, A 9750443 AND A 9750444. (COPY ATTACHED) (\$ 3,273.30 ÷ 2)	1,636.65
Mileage rate claimed	18,026	km at 30¢/km for use of own vehicle...TRUCK..	5,407.80
TOTAL			9,208.17

NOTE:  
REFER  
PLAN No. 4

Attach additional sheets as required.

IV. DAILY REPORTS (Summarize work activity in

Section I)

Day	Project Area	TRUCK Km.	Date 1997	Work Performed REFER TO MAP # 1
1	PATERSON LAKE AREA RE - PROJECT	266	05/17	PROSPECTING / MANUAL STRIPPING
2	"	266	05/19	"
3	"	266	05/22	"
4	"	266	05/24	"
5	"	266	05/26	"
6	"	266	05/28	"
7	"	266	06/01	"
8	"	266	06/06	"
9	"	266	06/08	"
10	"	266	06/10	"
11	"	266	06/14	"
12	"	266	06/19	"
13	"	266	06/21	"
14	"	266	06/24	"
15	"	266	06/27	"
16	"	266	06/28	"
17	"	266	07/19	"
18	"	266	07/20	"
19	"	266	07/21	"
20	"	266	07/23	"
21	"	266	08/03	"
22	"	266	08/06	"
23	"	266	08/14	"
24	"	266	08/18	"
25	"	266	08/20	"
26	"	266	08/23	"
27	"	266	08/24	"
28	"	266	08/27	"
29	"	266	08/30	"
30	"	266	09/03	"
31	"	266	09/05	"
32	"	266	09/06	"
33	"	266	09/13	"
34	"	266	09/14	"
35	"	266	09/16	"
36	"	266	09/17	"
37	"	266	09/18	"
38	"	266	09/20	"
39	"	34	09/21	"
40	"	266	09/22	"
41	"	266	09/22	"

✓ SUPERVISION OF POTTERY STRIPPING  
 ✓ MECHANICAL STRIPPING - TIMBER  
 ✓ JACK CLAIM # 114978 & 1178427  
 ✓ ALONG AND OFF OF EAST-WEST  
 ✓ R. 0+000 - RE: TO MECHANICAL  
 ✓ STRIPPING PLAN SCALE 1:4,000

Attach additional sheets as required.

PHILLIP E. THORGRIMSON

OP 97-285

Section I)

IV. DAILY REPORTS (Summarize work activity in  
- CONTINUED -

Day	Project Area CONTINUED -	Date	Work Performed
422	" 266	09/23	✓ MECHANICAL STRIPPING
432	" 266	10/02	PROSPECTING / MANUAL STRIPPING
442	" 266	10/06	"
452	" 266	10/07	"
462	" 266	10/09	"
472	" 266	10/10	"
482	" 266	10/11	"
492	" 266	10/14	"
502	" 266	10/15	"
512	" 266	10/16	"
522	" 266	10/17	"
532	" 266	10/19	"
542	" 266	10/20	"
552	" 266	10/22	"
562	" 266	10/24	"
572	" 266	10/25	"
582	" 266	10/27	"
592	" 266	10/28	"
602	" 266	10/30	"
612	" 266	10/31	"
622	" 266	11/01	"
632	" 266	11/02	✓ SAMPLE COLLECTION FOR DR. FRO BREAKS, QGS
642	" 266	11/05	"
652	" 266	11/06	"
662	" 266	11/08	"
672	" 266	11/09	"
682	" /	11/16	REPORT AND PLANS
692	" 34	11/17	"
702	" /	11/18	"
712	" /	11/19	"
722	" 34	11/24	"
732	" 34	11/25	"
742	" /	12/01	"
752	" /	12/02	"
762	" 34	12/03	"
772	" 34	12/04	"
78			
79			
40			
42			

Attach additional sheets as required.

**V. SIGNIFICANT RESULTS (please complete)**

Project Area	New Showings and/or Anomalies	Commodity	Best Analyses
<u>PATERSON LAKE AREA - G.</u>	<u>ANOMALOUS ZONE ± 1,700' BY ± 300'</u>	<u>RARE ELEMENTS</u>	<u>Be-400 ppm, Cs-435 ppm, F-2,300 ppm, Li-5,000 ppm, Nb-447, Rb-2,090 ppm, Sn-500 ppm &amp; Ta-570 ppm</u>

**VI. CLAIMS STAKED DURING/AFTER PROSPECTING ACTIVITY (please complete)**

Project Area	Claim Numbers	Number of Claim Units
_____	_____	_____
_____	_____	_____

**VII. OPTION AGREEMENTS RESULTING FROM OPAP PROJECT (please complete) Dollar Value of ONGOING**

Optionee	Property/Claims	Work Commitment
_____	_____	_____

The Ministry of Northern Development and Mines may verify all statements related to and made herein this application.

- I am the person named in the Final Submission Form under the Ontario Prospectors Assistance Program.
- I am ordinarily a resident of Canada.
- I have complied with all the requirements of the said program.
- I understand that it is an offence under the Ontario Mineral Exploration Act, R.S.O. 1990, to make a false or misleading statement and that all statements and all other information submitted in support of the said application are true and correct.
- I was not employed by the Mines and Minerals Division of the Ministry while in receipt of the OPAP grant.
- I am aware that any other Provincial or Federal Government financial assistance received for said application will be deducted from the amount of incurred "Total Eligible Expenses".

**It is an Offence under subsection 8(1)(A) of the Ontario Mineral Exploration Act, R.S.O. 1990 to knowingly furnish false or misleading information.**

Personal information on this form is obtained under the authority of the Ontario Mineral Exploration Act, R.S.O. 1990, sections 2, 3 and 4 and the Ontario Prospectors Assistance Program Regulation, sections 4, 5 and 6. The financial and technical information will be used for the purpose of determining the eligibility of the applicant to

have a program designated for financial assistance and the amount of such assistance. Other information, such as statistical information about the individual projects will be used for the purpose of determining the overall effectiveness of the program. It may be disclosed for those purposes and I consent to its disclosure for such

purposes. Questions about this collection should be directed to Senior Manager, Mines Group, Ministry of Northern Development and Mines, 5th Floor, 933 Ramsey Lake Road, Sudbury, Ontario P3E 6B5, Toll free 1-800-265-0834.

Signature of Applicant PHIL THORGRIMSON Date DEC. 4/97

Name (print) [Signature]

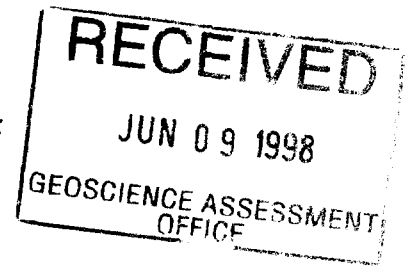


52L07SE2002

2.18225

PATERSON LAKE

030

GEOLOGICAL REPORT ADDENDUM**2. 18225**

FROM MAY 22 TO NOVEMBER 9, 1997, 62 FIELD DAYS WAS SPENT BY THE AUTHOR IN THE GEOLOGICAL / PROSPECTING EVALUATION OF THIS PROSPECT. THIS HAS RESULTED IN THE PRODUCTION OF THE FOLLOWING DOCUMENTS :

- PLAN No. 1 - PROSPECTING / GEOLOGICAL MAP,
- PLAN No. 2 - GEOLOGICAL MAP,
- PLAN No. 3 - OUTCROP GEOCHEMICAL PLAN AND
- OPAP FINAL SUBMISSION FORM 1997 - APPLICANT ALASDAIR J. M. MOWAT

PLAN No. 1 - PROSPECTING / GEOLOGICAL MAP; SCALE 1:5,000m: THIS AREA CONSISTING OF CLAIM NO. K.1178427, K.1149784, K.1149785, K.1149786, K.1178880, K.1178881, K.1178882 AND K.1178883 WAS GEOLOGICALLY PROSPECTED ALONG 200 m WIDE NORTH-SOUTH LINES. PURPOSE TO INVESTIGATE THE GEOLOGICAL MERITS FOR HOSTING ADDITIONAL RE-PEGMATITES WITHIN THIS DOMAIN.

PLAN No. 2 - GEOLOGICAL MAP; SCALE 1:4,000 m : GEOLOGICAL INVESTIGATION WAS CONFINED WITHIN CLAIM GROUP No. 1178427 AND A SMALL PORTION OF CLAIM No. 1149784. AN EAST-WEST BASE-LINE 0+000 WAS ESTABLISHED WITH ACCOMPANYING NORTH-SOUTH GRID LINES @ 100 m. INTERVALS. THE EXPOSED DYKES (MANUALLY AND MECHANICAL STRIPED BY P. THORGRIMSON) WERE LOCATED AND GRID-LINE CO-ORDINATE ESTABLISHED.

PLAN No. 3 - OUTCROP GEOCHEMICAL PLAN; SCALE 1:4,000 m : THIS MAP INDICATES THE ROCK SAMPLE SITES WITH THE ENCLOSED ACCOMPANYING 'CHEMEX LABS' ASSAY CERTIFICATES OF RESULTS.

OPAP FINAL SUBMISSION FORM 1997 DOCUMENTS THE AUTHOR'S ACTIVITIES FOR THE TIME OF PROPERTY EVALUATION AND REVIEW.



## RESULTS

### DESCRIPTION OF SAMPLES

THE FOLLOWING DESCRIPTION OF ROCK SAMPLES HAS BEEN AN EVALUATION BY DR. FRED BREAKS AND BY THE AUTHOR OF THIS REPORT :

- ① SAMPLE No. 6054 (CO-ORDIN. 04335E-04185N): BIOTITE-MUSCOVITE GRANITIC PEGMATITE.  
WEAKLY FOLIATED AND APPEARS BARREN OF RARE-METAL MINERALS.  
ASSAY RESULTS: Li - 44 ppm, Cs - 44 ppm, Nb - 98 ppm, Rb - 897 ppm, Ta - 117 ppm, Fe - 0.25%
- ② SAMPLE No. 6056 (CO-ORDIN. 04395E-04050N): MUSCOVITE SODIC PEGMATITE.  
CONTAINS COARSE MUSCOVITE BOOKS AND SEVERAL TYPES OF UNKNOWN BLACK OXIDE MINERALS AND AN UNKNOWN RED-BROWN MINERAL.  
ASSAY RESULTS: Li - 380 ppm, Cs - 231 ppm, Hf - 26 ppm, La - 40 ppm, Nb - 447 ppm, Rb - 1,690 ppm, Ta - 155 ppm, Y - 277 ppm, Zr - 296 ppm, Fe - 0.15%, F - 1,370 ppm
- ③ SAMPLE No. 6059 (CO-ORDIN. 04810E-04185S): PETALITE-RICH ROCK.  
THE ROCK IS VAGUELY FOLIATED, fg - cg AND CONTAINS ABOUT 95% PETALITE. SPONGY LIGHT PINK GARNETS UP TO 1 cm DIAMETER OVERPRINT THE PETALITE.  
ASSAY RESULTS: Li - 71,000 ppm, Be - 76.0 ppm, Rb - 2,090 ppm, Li - 0.44%, Fe - 0.10%
- ④ SAMPLE No. 6067 (CO-ORDIN. 14065E-04125S): TWO DIFFERENT DYKES.
1. BIOTITE GRANITIC PEGMATITE: PROBABLY BARREN AND
  2. BIOTITE - GARNET APLITE: LOOKS SIMILAR TO THE DYKES OF THE BERYL ZONE IMMEDIATELY NEXT TO THE "BIG WHOPPER PEGMATITE". THE UNIT IS WHITE, mg, SUBTLY FOLIATED WITH LIGHT PINK GARNET  $\leq$  5 mm. THE ROCK CONTAINS DISSEMINATED SPECKS OF BROWN, EUBEDRAL CASSITERITE.

ASSAY RESULTS: Sn - 500 ppm, Li - 132,

- ⑤ SAMPLE No. 6067 A (CO-ORDIN. 0+985E - 0+105 S): PETALITE-RICH UNIT.

LOOKS LIKE A SOLID MASS OF MAINLY CLEAR BUT RECRYSTALLIZED PETALITE. CASSITERITE MAY BE PRESENT. OTHER ACCESSORY MINERALS INCLUDE GARNET, MUSCOVITE AND POSSIBLE BIOTITE.

ASSAY RESULTS: Fe - 0.20%, Sn - 39 ppm, Be - 39 ppm

- ⑥ SAMPLE No. FLOAT NEAR 6070 (CO-ORDIN. 0+920E - 0+055 S): GARNET APLITE.

GREENISH COLOUR DUE TO fg-mg EUBEDRAL GRAINS OF 'GARNITE (ZINC-RICH SPINEL). THIS SAMPLE OF FLOAT HAS COME FROM A 'BIG WHOPPER' TYPE PEGMATITE SYSTEM LYING TO THE NORTH AND POSSIBLY WITHIN < 2 km (AZIMUTH  $\pm$  226° GLACIAL DIRECTION).

ASSAY RESULTS: Ta - 118 ppm, Fe - 0.20%, Cr - 119 ppm

- ⑦ SAMPLE No. 6071 (CO-ORDIN. 0+866E - 0+070 S): FOLIATED MAFIC METAVOLCANIC UNIT.

BIOTITIC RICH AND MAY REPRESENT METASOMATICALLY-ALTERED HOST-ROCKS DUE TO A PROXIMAL RARE-METAL PEGMATITE.

ASSAY RESULTS: Li - 46 ppm, Nb - 98 ppm, Rb - 848 ppm, Ta - 570 ppm, Zr - 53 ppm, Fe - 0.20%

- ⑧ SAMPLE No. 6072 (CO-ORDIN. 0+860E - 0+070 S): SODIC PEGMATITE. THE ROCK CONSISTS

OF PLAGIOCLASE + QUARTZ. PRESENT ACCESSORY MINERALS ARE GARNET, MUSCOVITE, BIOTITE AND TRACE BLACK OXIDES.

ASSAY RESULTS: Li - 300 ppm, Cs - 414 ppm, Rb - 1,940 ppm, Fe - 4.30%, F - 2,300 ppm, Cr - 196 ppm

- ⑨ SAMPLE No. 6088 (0+090W - 0+030 S): GARNET-BIOTITE PEGMATITIC LEUCOGRANITE. PRIMITIVE

PEGMATITE DUE TO THE DOMINANCE OF BIOTITE AND PRESENCE OF GRAPHIC-K-FELDSPAR MEGACRYSTS.

ASSAY RESULTS: Li - 350 ppm, Cs - 47 ppm, Nb - 414 ppm, Rb - 1,295, Ta - 167 ppm, Fe - 0.70%, F - 650 ppm

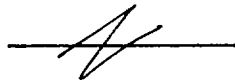
- ⑩ SAMPLE No. 6098 (CO-ORDIN. 25m N. OF No. 2 Post, CLAIM No. 117882): BIOTITE - RICH MAFIC METAVOLCANIC ROCK. A UNIT IS PROBABLY A METASOMATIC ASSEMBLAGE NEXT TO A PEGMATITE CONTACT.  
ASSAY RESULTS: Fe - 6.00%, Cr - 360 ppm, F - 590, Ba - 246 ppm, Zr - 88pp
- ⑪ SAMPLE No. 6099 (CO-ORDIN. 0+140 E - 0+015 N): QUARTZ - K - FELDSPAR - PETALITE UNIT.  
LOOKS LIKE THE MAIN UNIT OF THE 'BIG WHOPPER PEGMATITE'. THE ROCK IS FOLIATED f<sub>g</sub> - c<sub>g</sub> AND CONTAINS ELONGATED, DEFORMED AND RECRYSTALLIZED PETALITE CRYSTALS ≤ 2 cm ACROSS. THE PETALITE IS A SUBTLE WHITE. ACCESSORY MINERALS INCLUDE GARNET, MUSCOVITE, f<sub>g</sub> DARK GREEN GANNITE AND A RARE PLATY BROWN - BLACK OXIDE MINERALS.  
ASSAY RESULTS: Fe - 0.30%, Li - > 5,000 ppm, Be - 30 ppm, Rb - 1,780 ppm, Ta - 53 ppm.  
NOTE: THIS DYKE SYSTEM IS PRESENTLY BEING DEVELOPED BY ADDITIONAL DRILLING AND STRIPPING.
- ⑫ SAMPLE No. 6101 (CO-ORDIN. 0+805 E - 0+025 S): BIOTITE - GARNET - MUSCOVITE GRANITIC PEGMATITE.  
PRIMITIVE PEGMATITIC ROCK.  
ASSAY RESULTS: Fe - 0.60%, F - 320 ppm, Rb - 1,135 ppm
- ⑬ SAMPLE No. 6102 (CO-ORDIN. 0+325 E - 0+075 N): PEGMATITE. SEVERAL GANNITE GRAINS NOTED AND CLUSTERS OF PLATY CLEAVELANDITE. Ta - OXIDE MINERALS ARE ASSOCIATED WITH THE CLEAVELANDITE.  
ASSAY RESULTS: Fe - 0.60%, F - 500 ppm, Li - 260 ppm, Be - 51.0 ppm, Cs - 316 ppm, Nb - 87 ppm, Rb - 1,065 ppm, Ta - 41 ppm
- ⑭ SAMPLE No. 66603 (CO-ORDIN. 0+055 E - 0+015 S): MUSCOVITE - GARNET APLITE. THE UNIT PREDOMINATELY ALBITE RICH WITH ODD BLACK OXIDE SPECK.  
ASSAY RESULTS: Fe - 0.20%, Be - 15.0 ppm.
- ⑮ SAMPLE No. 66605 (CO-ORDIN. 0+170 W - 0+370 N): BIOTITE - GARNET - MUSCOVITE GRANITIC PEGMATITE. NO RARE - METALS MINERALS NOTED.

ASSAY RESULTS: Fe - 0.30%, Bb - 702 ppm

CONCLUSIONS

ACCORDING TO DR. FRED BREAKS REVIEW OF THE SUBMITTED ROCK SAMPLES. MOST OF THE RARE-METAL ANALYSES ARE HIGHLY ANOMALOUS; i.e., Ta, Nb, Li, Cs AND Rb.

ALSO, A FEW FLUORINE ANOMALIES; SUCH AS, SAMPLE No. 6072 MAY INDICATE THE PRESENCE OF FLUORITE, TOPAZ OR F-RICH MICAS; i.e., LEPIDOLITE.



REPORT PREPARED BY: ALASDAIR J. M. MOWAT, CET

REPORT DATED AT: KENORA, ONTARIO

REPORT DATE: JUNE 5TH, 1998.

# ONTARIO PROSPECTORS ASSISTANCE PROGRAM (OPAP) FINAL SUBMISSION FORM 1997

INSTRUCTIONS: Please read the guidebook before completing form  
Submit completed form and supporting documentation  
by January 31, 1998 to:  
OPAP, Mines Group  
Ministry of Northern Development & Mines  
4th Floor, 933 Ramsey Lake Rd., Sudbury, Ontario P3E 6B5

<b>RECEIVED</b> MINES GROUP	
DEC 12 1997	
LOG NO.	
TAKE ACTION ITEM	
COPIES/FILE	
DEVELOPMENT	
COMPLETION AND	
DEVELOPMENT	
COMMODITIES	
REHABILITATION COMPLIANCE	
FINANCIAL ASSURANCE	
INVEST - 284	
MINING LANDS	
ADMIN. OFFICER	
OTHER	Completed?

TO BE COMPLETED BY SUCCESSFUL GRANTEE AFTER PROJECT  
ACCOMPANIED BY WRITTEN REPORTS, MAPS, ETC.

Applicant ALASDAIR J. M. MOWAT File Number \_\_\_\_\_

Proposed project area(s) (Twp. or claim map name, latitude and longitude)

1. PATERSON LAKE AREA - G. 2634, NTS 52 L 17 Yes  No

2. LATITUDE 50°15', LONGITUDE 94°30', KENORA Yes  No   
MINING DIVISION

Changes to proposed project(s) (if any)

CONTINUING TO PHASE II - EXPLORATION

List other co-owners of the property with OPAP grants that worked on project

PHILLIP E. THORGRIMSON, CLIENT NO. 201724, FILE NO. OP97-28

## I. WORK PERFORMED BY APPLICANT (Summary of Section IV)

1. Project #1 area/name 1/4 POUNDER - RARE ELEMENT PROJECT No. days worked  
THORGRIMSON/MOWAT by applicant  
(that's only you)

Traditional prospecting	No. of samples <u>40</u>	<u>N/A</u>
Geological surveys	Scale <u>1 @ 1:10,000<sup>m</sup> AND 2 @ 1:5,000<sup>m</sup></u>	<u>60</u>
Geophysical surveys	Type <u>N/A</u> Miles/km _____	<u>N/A</u>
Geochemical surveys	Type <u>"A" HUMUS EXPERIMENT</u> No. of samples <u>2</u>	<u>1</u>
Drilling	Type _____ Ft/m _____	<u>N/A</u>
Stripping/Trenching	Method _____	<u>N/A</u>
Other	Type <u>PROPERTY VISIT BY DR. FRED BREAKS, OGS SUDBURY REPORT, MAPS AND PLANS</u>	<u>1</u>
	TOTAL	<u>72</u>

Form filled out by  Applicant  Other (please specify) \_\_\_\_\_  
Report prepared by  Applicant  Other (please specify) \_\_\_\_\_  
Technical report Filed for Assessment Work Yes  No  HOWEVER, AT A LATER DATE  
JANUARY 1998.

I. WORK PERFORMED BY APPLICANT (Continued)

Project #2 area/name	No. of samples	No. days worked by applicant
Traditional prospecting	_____	_____
Geological surveys	Scale _____	_____
Geophysical surveys	Type _____ Miles/km _____	_____
Geochemical surveys	Type _____ No. of samples _____	_____
Drilling	Type _____ Ft./m _____	_____
Stripping/Trenching	Method _____	_____
Other	Type _____	_____
TOTAL		_____
TOTAL DAYS (ALL PROJECTS)		A. <u>72</u>

(Attach additional sheets for additional project areas as required)

II. EXPENDITURES (total of all projects) - Summary of I and II

1. Number of working days by applicant (A) x \$100/day ..... <u>72</u> .....		\$ <u>6,200.00</u>
2. Number of report preparation days by applicant x \$100/day ..... <u>70.5</u> .....		\$ <u>7,050.00</u>
3. Analyses/Assay costs ... <u>CHEMEX (67 SAMPLES) \$3,273.30 ÷ 2</u> .....		\$ <u>1,636.65</u>
4. Equipment rentals		
.....	\$ <u>N/A</u>	
.....	\$ <u>N/A</u>	\$ <u>N/A</u>
5. Consumable Supplies .. <u>PAINT, FLAGGING, TARP</u> <u>THREAD, BATTERIES, AIR PHOTOS</u> <u>ET CETERA</u> .....	<u>109.76</u>	\$ <u>109.76</u>
6. Contract services (state type)		
# of workers .....	\$ <u>N/A</u>	
# of days worked .....	\$ <u>N/A</u>	\$ <u>N/A</u>
.....	\$ <u>N/A</u>	\$ <u>N/A</u>
7. Travel (state method: road, air, etc.)		
<u>ROAD - TRUCK 5,186 km</u> .....	\$ <u>1,555.80</u>	\$ <u>1,555.80</u>
.....	\$ _____	\$ _____
.....	\$ _____	\$ _____
8. Food and Accommodation ..... <u>\$25 PER DIEM X <sup>62</sup>72 DAYS</u> .....		\$ <u>1,800.00</u>
.....		1550
9. Other expenses (specify, e.g. typing, printing, shipping of supplies)		
.....	\$ _____	\$ <u>N/A</u>
.....	\$ _____	\$ <u>N/A</u>
10. Helpers		
# of helpers .....	\$ <u>N/A</u>	\$ <u>N/A</u>
# of days worked .....		
TOTAL EXPENDITURES		\$ <u>12,302.21</u>

11,552  
ERL

ALASDAIR J.M. MOWAT OP97-

III. DETAILED LIST OF EXPENDITURES (Summarize in Section II)

Date 1997	Recipient of Payment	Explanation	Amount
07/22	CDN. FORESTRY EQUIP. LTD - MISSISSAUGA, ONT.	FLAGGING, SPRAY-PAINT TOP THREAD	\$ 26.09
07/23	CANADIAN TIRE KENORA, ONT.	BATTERIES FOR ULTRA VIOLET "BLACK" LAMP	3.99
10/17	MIN. OF NDM KENORA, ONT	WHITE PRINT	1.15
06/30	KENORA'S 1/2 HOUR PHOTO INC. KENORA, ONT.	2 COPIES OF PATERSON LAKE AREA AIRPHOTOS FOR DR. FRED BREAKS, OGS	9.08
09/23 TO 11/12	CHEMEX LABS LTD. THUNDER BAY, ONT. NORTH VANCOUVER, B.C.	ROCK (65) & SOIL (2) ANALYSIS - CERT. OF ANALYSIS # A 9743791, A 9743792, A 9744080, A 9747577, A 9748062, A 9749407, A 9749408, A 9750443 AND A 9750444. (COPY ATTACHED) ( $\$3,273.30 \div 2$ )	1,636.65

Mileage rate claimed 5,186 km at 30¢/km for use of own vehicle ..... 1,555.80

TOTAL 3,302.21

Attach additional sheets as required.

IV. DAILY REPORTS (Summarize work activity in

Section I)

Day	Project Area PATERSON LAKE AREA RE PROJECT	TRUCK Km	Date 1997	Work Performed
1	"	232	05/22	GEOLOGICAL TRAVERSING
2	"		05/24	"
3	"	232	05/26	"
4	"	232	05/28	"
5	"	34	06/01	"
6	"	34	06/03	"
7	"	34	06/06	"
8	"	34	06/08	"
9	"		06/10	"
10	"		06/14	"
11	"	232	06/19	"
12	"		06/21	"
13	"	34	06/24	"
14	"		06/27	"
15	"	188	07/01	DR. FRED BREKES PROPERTY VISIT
16	"	232	07/19	GEOLOGICAL TRAVERSING
17	"		07/20	"
18	"		07/21	"
19	"	34	07/23	"
20	"	34	08/03	"
21	"		08/06	"
22	"	34	08/14	"
23	"		08/18	"
24	"	34	08/20	"
25	"		08/23	"
26	"		08/24	"
27	"	232	08/27	"
28	"	34	08/30	"
29	"		09/03	"
30	"	232	09/05	"
31	"		09/06	"
32	"	34	09/13	"
33	"	34	09/14	"
34	"	232	09/16	"
35	"		09/17	"
36	"		09/18	"
37	"	34	09/20	"
38	"		09/21	"
39	"		09/22	"
40	"	232	09/23	"
41	"	232	10/05	"

Attach additional sheets as required.



**ALASDAIR J. H. MOWAT 0P97-284**

Section I)

IV. DAILY REPORTS (Summarize work activity in  
- CONTINUED -

Day	Project Area CONTINUED	Date 1997	Work Performed CONTINUED
42	" 34	10/07	"
43	" 34	10/09	"
44	"	10/10	"
45	" 232	10/11	"
46	"	10/14	"
47	" 34	10/15	"
48	" 34	10/16	"
49	"	10/17	"
50	"	10/19	"
51	" 232	10/20	"
52	"	10/22	"
53	" 232	10/24	"
54	"	10/25	"
55	" 34	10/27	"
56	" 34	10/28	"
57	"	10/30	"
58	" 232	11/01	"
59	" 232	11/03	"
60	" 232	11/06	"
61	" 232	11/08	"
62	"	11/09	"
63	" 34	11/16	REPORT, MAPS AND PLANS
64	" 34	11/17	"
65	" 34	11/18	"
66	" 34	11/19	"
67	" 34	11/24	"
68	" 34	11/25	"
69	" 34	12/01	"
70	" 34	12/02	"
71	" 68	12/03	"
72	" 68	12/04	"
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			

Attach additional sheets as required.

ALASDAIR J. M. MOWAT OP97-2

**V. SIGNIFICANT RESULTS (please complete)**

Project Area	New Showings and/or Anomalies	Commodity	Best Analyses
<u>PATERSON LAKE AREA</u>	<u>ANOMALOUS ZONE ± 1,700' BY ± 300'</u>	<u>RARE ELEMENTS</u>	<u>Bc-400 ppm, Cs-436 ppm, F-2,300 ppm, Li-5,000, Nb-497 ppm, Rb-3030 ppm, Sn-500 ppm, Ta-570</u>

**VI. CLAIMS STAKED DURING/AFTER PROSPECTING ACTIVITY (please complete)**

Project Area	Claim Numbers	Number of Claim Units

**VII. OPTION AGREEMENTS RESULTING FROM OPAP PROJECT (please complete) Dollar Value of**

<u>ON GOING</u> Optionee	Property/Claims	Work Commitment

The Ministry of Northern Development and Mines may verify all statements related to and made herein this application.

1. I am the person named in the Final Submission Form under the Ontario Prospectors Assistance Program.
2. I am ordinarily a resident of Canada.
3. I have complied with all the requirements of the said program.
4. I understand that it is an offence under the Ontario Mineral Exploration Act, R.S.O. 1990, to make a false or misleading statement and that all statements and all other information submitted in support of the said application are true and correct.
5. I was not employed by the Mines and Minerals Division of the Ministry while in receipt of the OPAP grant.
6. I am aware that any other Provincial or Federal Government financial assistance received for said application will be deducted from the amount of incurred "Total Eligible Expenses".

It is an Offence under subsection 8(1)(A) of the Ontario Mineral Exploration Act, R.S.O. 1990 to knowingly furnish false or misleading information.

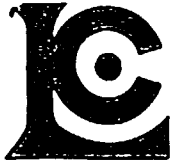
Personal information on this form is obtained under the authority of the Ontario Mineral Exploration Act, R.S.O. 1990, sections 2, 3 and 4 and the Ontario Prospectors Assistance Program Regulation, sections 4, 5 and 6. The financial and technical information will be used for the purpose of determining the eligibility of the applicant to

have a program designated for financial assistance and the amount of such assistance. Other information, such as statistical information about the individual projects will be used for the purpose of determining the overall effectiveness of the program. It may be disclosed for those purposes and I consent to its disclosure for such

purpose. Questions about this collection should be directed to Senior Manager, Mines Group, Ministry of Northern Development and Mines, 5th Floor, 833 Ramsey Lake Road, Sudbury, Ontario P3E 8B5. Toll free 1-800-265-0834.

Signature of Applicant  Date DEC. 04, 1997

Name (print) ALASDAIR J. M. MOWAT



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 5175 Timberlea Blvd., Mississauga  
 Ontario, Canada L4W 2S3  
 PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
 KEEWATIN, ON  
 P0X 1C0

Project: 1/4 POUNDER  
 Comments: ATTN: PHIL THORGRIMSON CC: AL MOWAT

Page Number : 1  
 Total Pages : 1  
 Certificate Date: 07-OCT-97  
 Invoice No. : 19744080  
 P.O. Number : SR97-1  
 Account : PJV

## CERTIFICATE OF ANALYSIS A9744080

SAMPLE	PREP CODE	Sn ppm	Li ppm	Be ppm	Ba ppm	Cs ppm	Hf ppm	La ppm	Nb ppm	Rb ppm	Sr ppm	Ta ppm	Y ppm	Zr ppm
6088	205 226	6	350	4.0	12	47	1	3	414	1295	6	167	11	37
6089	205 226	9	280	4.8	12	74	1	3	231	1415	5	119	14	23
6090	205 226	4	9	8.5	10	8	1	2	99	85	12	213	8	20
6091	205 226	10	8	4.8	19	62	1	1	100	1335	10	57	14	26
6092	205 226	3	22	9.1	11	29	2	4	62	136	16	219	10	29
6093	205 226	< 2	48	80.0	20	71	< 1	3	189	1240	10	115	8	16
6094	205 226	4	66	28.0	19	161	1	3	108	543	37	213	10	17
6095	205 226	18	16	20.0	13	25	< 1	2	70	179	18	72	9	10
6096	205 226	< 2	36	5.2	28	9	1	12	22	239	27	10	61	41
6097	217 232	< 2	6	7.5	37	5	1	1	45	86	54	114	8	16

**RECEIVED**  
 JUN 09 1998  
 GEOSCIENCE ASSESSMENT  
 OFFICE

2. 18225



52L07SE2002 2.18225 PATERSON LAKE

040

CERTIFICATION: Phil Thorgrimson



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
5175 Timberlea Blvd., Mississauga  
Ontario, Canada L4W 2S3  
PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
KEEWATIN, ON  
POX 1C0

Page Number : 1  
Total Pages : 1  
Certificate Date: 07-OCT-97  
Invoice No. : 19743792  
P.O. Number : SR97-1  
Account : PJV

Project : 1/4 POUNDER

Comments: ATTN: PHIL THORGRIMSON CC: AL MOWAT

## CERTIFICATE OF ANALYSIS

### A9743792

SAMPLE	PREP CODE	Sn ppm	Li ppm	Be ppm	Ba ppm	Cs ppm	Hf ppm	La ppm	Nb ppm	Rb ppm	Sr ppm	Ta ppm	Y ppm	Zr ppm
SR 6054A	217 232	< 2	14	11.0	112	20	< 1	4	32	296	32	112	4	12
SR 6056A	205 203	9	110	7.4	148	196	< 1	20	188	1030	36	404	132	36

CERTIFICATION: \_\_\_\_\_

*Handwritten signature*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

5175 Timberlea Blvd., Mississauga  
 Ontario, Canada L4W 2S3  
 PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
 KEEWATIN, ON  
 P0X 1C0

Project: 1/4 POUNDER  
 Comments: ATTN: PHIL THORGRIMSON CC: AL MOWAT

Page Number : 1  
 Total Pages : 1  
 Certificate Date: 21-OCT-97  
 Invoice No. : 19743791  
 P.O. Number : SR97-1  
 Account : PJV

## CERTIFICATE OF ANALYSIS A9743791

SAMPLE	PREP CODE	Sn ppm	Li ppm	Be ppm	Ba ppm	Cs ppm	Hf ppm	La ppm	Nb ppm	Rb ppm	Sr ppm	Ta ppm	Y ppm	Zr ppm
6051	205 226	2	4	5.8	9	4	2	1	36	55	8	22	12	30
6052	205 226	115	8	6.6	34	8	1	4	53	128	9	26	17	23
6053	205 226	4	10	17.0	10	18	1	2	32	737	4	11	16	17
6054	205 226	2	44	6.0	18	44	1	5	98	897	14	117	19	18
6055	205 226	14	32	12.6	28	30	1	8	118	185	68	39	21	23
6056	205 226	12	380	5.2	6	231	26	40	447	1690	2	155	277	296
6057	205 226	14	88	8.8	24	24	4	1	60	433	3	30	7	52
6058	205 226	8	22	4.0	6	23	3	1	44	904	3	45	7	34
6059	205 226	110	>1000	76.0	7	25	4	1	15	2090	4	37	< 1	33
6060	205 226	2	116	46.0	6	76	< 1	6	106	461	1	31	23	18
6061	205 226	2	232	32.0	11	174	1	3	126	1480	1	52	69	20
6062	205 226	< 2	68	7.6	7	25	< 1	4	52	384	1	11	9	6
6063	205 226	2	124	2.4	6	42	< 1	1	37	798	1	9	7	9
6064	205 226	5	56	2.2	8	111	< 1	1	17	1530	2	11	1	11
6065	205 226	4	148	14.0	5	63	< 1	6	51	665	2	10	15	15
6066	205 226	2	180	38.0	8	63	< 1	6	64	636	2	19	21	13
6067	205 226	500	132	22.0	11	6	3	< 1	20	66	13	47	1	29
6068	205 226	< 2	136	0.6	65	20	1	3	2	73	77	< 1	19	46
6069	205 226	4	148	3.6	5	91	< 1	1	70	1880	1	25	3	9
6070	205 226	< 2	36	18.0	8	10	3	2	69	169	18	118	9	31
6071	205 226	< 2	46	20.0	15	37	9	1	98	848	50	570	4	53
6072	205 226	< 2	300	17.0	92	414	1	1	4	1940	34	9	20	40
6073	205 226	5	32	12.0	13	52	< 1	4	58	1280	20	84	11	10
6074	205 226	< 2	82	24.0	7	73	< 1	3	47	760	1	15	12	10
6075	205 226	< 2	100	6.6	7	72	1	4	42	523	6	9	17	23
6076	205 226	< 2	42	0.6	27	7	< 1	1	1	22	62	< 1	11	27
6077	205 226	< 2	142	0.8	42	24	1	3	2	29	108	< 1	20	61
6078	205 226	5	72	17.0	267	37	3	< 1	54	666	20	158	40	43
6079	205 226	< 2	84	0.4	67	4	1	1	1	18	68	< 1	15	37
6080	205 226	23	196	20.0	372	41	30	4	103	834	43	54	56	306
6081	205 226	21	96	34.0	110	21	< 1	1	107	1570	6	50	9	7
6082	205 226	5	800	24.0	38	32	1	1	79	1835	6	33	7	13
6083	205 226	< 2	276	0.4	469	17	< 1	2	1	222	82	< 1	15	28
6084	205 226	270	280	400	16	159	4	< 1	17	767	7	19	21	40
6085	205 226	< 2	24	0.8	20	1	2	3	3	5	76	< 1	25	60
6086	205 226	4	340	130.0	52	435	5	2	24	1695	46	82	7	55
6087	205 226	74	44	26.0	27	18	5	1	29	239	8	30	6	58

CERTIFICATION: \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
5175 Timberlea Blvd., Mississauga  
Ontario, Canada L4W 2S3  
PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

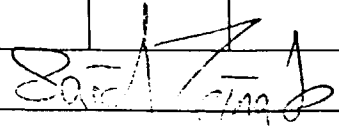
P.O. BOX 915, KENDAL INLET RD.  
KEEWATIN, ON  
P0X 1C0

Project: 1/4 POUNDER  
Comments: ATTN: PHIL THORGRIMSON CC: AL MOWAT

Page Number :1  
Total Pages :1  
Certificate Date: 28-OCT-97  
Invoice No. :19747577  
P.O. Number :SR97-1  
Account :PJV

## CERTIFICATE OF ANALYSIS A9747577

SAMPLE	PREP CODE	Li %										
6059	244 --	0.44										

CERTIFICATION: 



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 5175 Timberlea Blvd., Mississauga  
 Ontario, Canada L4W 2S3  
 PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
 KEEWATIN, ON  
 P0X 1C0

Project : 1/4 POUNDER  
 Comments: ATTN: PHIL THORGRIMSON CC: AL MOWAT

Page Number : 1  
 Total Pages : 2  
 Certificate Date: 08-NOV-97  
 Invoice No. : 19748062  
 P.O. Number :  
 Account : PJV

<b>CERTIFICATE OF ANALYSIS</b>	<b>A9748062</b>
--------------------------------	-----------------

SAMPLE	PREP CODE	Fe %									
6051	244 238	0.10									
6052	244 238	0.15									
6053	244 238	0.15									
6054	244 238	0.25									
6055	244 238	0.60									
6056	244 238	0.15									
6057	244 238	0.40									
6058	244 238	0.10									
6059	244 238	0.10									
6060	244 238	0.50									
6061	244 238	0.45									
6062	244 238	0.30									
6063	244 238	0.20									
6064	244 238	0.15									
6065	244 238	0.60									
6066	244 238	0.50									
6067	244 238	0.10									
6068	244 238	0.85									
6069	244 238	0.10									
6070	244 238	0.20									
6071	244 238	0.20									
6072	244 238	4.30									
6073	244 238	0.30									
6074	244 238	0.40									
6075	244 238	0.45									
6076	244 238	0.30									
6077	244 238	0.45									
6078	244 238	0.25									
6079	244 238	0.25									
6080	244 238	1.60									
6081	244 238	0.40									
6082	244 238	0.15									
6083	244 238	1.25									
6084	244 238	1.10									
6085	244 238	0.85									
6086	244 238	1.00									
6087	244 238	0.20									
6088	244 238	0.70									
6089	244 238	0.60									
6090	244 238	0.20									

CERTIFICATION: Hart Biddle



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

5175 Timberlea Blvd., Mississauga  
Ontario, Canada L4W 2S3  
PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
KEEWATIN, ON  
POX 1C0

Project : 1/4 POUNDER  
Comments: ATTN: PHIL THORGRIMSON CC: AL MOWAT

Page Number :2  
Total Pages :2  
Certificate Date: 08-NOV-97  
Invoice No. :19748062  
P.O. Number :  
Account :PJV

## CERTIFICATE OF ANALYSIS

A9748062

SAMPLE	PREP CODE		Fe %									
6091	244	238	0.20									
6092	244	238	0.45									
6093	244	238	0.40									
6094	244	238	0.90									
6095	244	238	0.30									
6096	244	238	0.60									
6097	244	238	0.80									

CERTIFICATION: *Hart Biddle*





# Chemex Labs Ltd.

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Ontario, Canada L4W 2S3  
PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
KEEWATIN, ON  
POX 1C0

Project : 1/4 POUNDER  
Comments: ATTN: PHIL THORGRIMSON

Page Number : 1  
Total Pages : 2  
Certificate Date: 15-NOV-97  
Invoice No. : I9749408  
P.O. Number :  
Account : PJV

## CERTIFICATE OF ANALYSIS A9749408

SAMPLE	PREP CODE	F ppm										
SR6054A	244 --	100										
SR6056A	244 --	650										
6051	244 --	60										
6052	244 --	20										
6053	244 --	20										
6054	244 --	100										
6055	244 --	40										
6056	244 --	1370										
6057	244 --	150										
6058	244 --	40										
6059	244 --	90										
6060	244 --	100										
6061	244 --	340										
6062	244 --	170										
6063	244 --	390										
6064	244 --	200										
6065	244 --	350										
6066	244 --	270										
6067	244 --	40										
6068	244 --	610										
6069	244 --	370										
6070	244 --	70										
6071	244 --	140										
6072	244 --	2300										
6073	244 --	200										
6074	244 --	120										
6075	244 --	130										
6076	244 --	140										
6077	244 --	800										
6078	244 --	170										
6079	244 --	130										
6080	244 --	450										
6081	244 --	50										
6082	244 --	90										
6083	244 --	220										
6084	244 --	100										
6085	244 --	70										
6086	244 --	1780										
6087	244 --	50										
6088	244 --	650										

CERTIFICATION: Hart Beche



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

5175 Timberlea Blvd., Mississauga  
Ontario, Canada L4W 2S3  
PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
KEEWATIN, ON  
P0X 1C0

Project : 1/4 POUNDER  
Comments: ATTN: PHIL THORGRIMSON

Page Number :2  
Total Pages :2  
Certificate Date: 15-NOV-97  
Invoice No. : 19749408  
P.O. Number :  
Account : PJV

## CERTIFICATE OF ANALYSIS

### A9749408

SAMPLE	PREP CODE	F ppm										
6089	244 --	630										
6090	244 --	40										
6091	244 --	30										
6092	244 --	60										
6093	244 --	60										
6094	244 --	430										
6095	244 --	40										
6096	244 --	200										
6097	244 --	70										

CERTIFICATION:

*Paul Buchler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
KEEWATIN, ON  
P0X 1C0

Project : 1/4 POUNDER  
Comments: ATTN: PHIL THORGRIMSON

Page Number :1  
Total Pages :2  
Certificate Date: 22-NOV-97  
Invoice No. :19750443  
P.O. Number :  
Account :PJV

## CERTIFICATE OF ANALYSIS

A9750443

SAMPLE	PREP CODE	Cr ppm										
SR6054A	244 232	134										
SR6056A	244 232	96										
6051	244 232	94										
6052	244 232	125										
6053	244 232	178										
6054	244 232	100										
6055	244 232	96										
6056	244 232	104										
6057	244 232	152										
6058	244 232	84										
6059	244 232	78										
6060	244 232	109										
6061	244 232	102										
6062	244 232	200										
6063	244 232	188										
6064	244 232	154										
6065	244 232	144										
6066	244 232	157										
6067	244 232	92										
6068	244 232	260										
6069	244 232	94										
6070	244 232	119										
6071	244 232	90										
6072	244 232	196										
6073	244 232	79										
6074	244 232	112										
6075	244 232	128										
6076	244 232	300										
6077	244 232	255										
6078	244 232	149										
6079	244 232	250										
6080	244 232	200										
6081	244 232	66										
6082	244 232	69										
6083	244 232	395										
6084	244 232	130										
6085	244 232	114										
6086	244 232	68										
6087	244 232	33										
6088	244 232	96										

CERTIFICATION:

*Hart Buchler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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Ontario, Canada L4W 2S3  
PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
KEEWATIN, ON  
P0X 1C0

Project : 1/4 POUNDER  
Comments: ATTN: PHIL THORGRIMSON

Page Number :2  
Total Pages :2  
Certificate Date: 22-NOV-97  
Invoice No. : I9750443  
P.O. Number :  
Account : PJV

## CERTIFICATE OF ANALYSIS

A9750443

SAMPLE	PREP CODE	Cr ppm										
6089	244	232	127									
6090	244	232	126									
6091	244	232	134									
6092	244	232	154									
6093	244	232	122									
6094	244	232	100									
6095	244	232	128									
6096	244	232	145									
6097	244	232	770									

CERTIFICATION:

*Hart Buchle*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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Ontario, Canada L4W 2S3  
PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
KEEWATIN, ON  
P0X 1C0

Project: 1/4 POUNDER  
Comments: ATTN: PHIL THORGRIMSON

Page Number :1  
Total Pages :1  
Certificate Date: 22-NOV-97  
Invoice No. :19750444  
P.O. Number :  
Account :PJV

## CERTIFICATE OF ANALYSIS A9750444

SAMPLE	PREP CODE	Fe %	Cr ppm								
6067A	244 232	0.20	138								
6098	244 232	6.00	360								
6099	244 232	0.30	114								
6101	244 232	0.60	132								
6102	244 232	0.60	130								
66601	244 232	0.90	380								
66602	244 232	1.45	345								
66603	244 232	0.20	116								
66604	244 232	0.20	115								
66605	244 232	0.30	140								
66606	244 232	0.50	122								
66607	244 232	0.45	88								
66608	244 232	0.50	166								

CERTIFICATION: Hank Becher



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

5175 Timberlea Blvd., Mississauga  
Ontario, Canada L4W 2S3  
PHONE: 905-624-2806 FAX: 905-624-6163

To: THORGRIMSON-MOWAT

P.O. BOX 915, KENDAL INLET RD.  
KEEWATIN, ON  
POX 1C0

Project : 1/4 POUNDER  
Comments: ATTN: PHIL THORGRIMSON

Page Number : 1  
Total Pages : 1  
Certificate Date: 27-NOV-97  
Invoice No. : 19749407  
P.O. Number :  
Account : PJV

## CERTIFICATE OF ANALYSIS A9749407

SAMPLE	PREP CODE	Sn ppm	F ppm	Li ppm	Be ppm	Ba ppm	Cs ppm	Hf ppm	La ppm	Nb ppm	Rb ppm	Sr ppm	Ta ppm	Y ppm	Zr ppm
6067A	205 226	39	70	50	39.0	28	1	< 1	1	7	34	35	23	3	8
6098	205 226	< 2	590	75	0.7	246	23	3	6	4	81	93	< 1	18	88
6099	205 226	6	170	5000	30.0	19	17	4	1	56	1780	12	53	5	33
6101	205 226	3	320	170	4.6	11	53	< 1	7	92	1135	3	24	23	12
6102	205 226	12	500	260	51.0	14	316	2	6	87	1065	7	41	13	25
66601	205 226	< 2	60	7	0.2	42	3	1	3	1	8	112	< 1	16	38
66602	205 226	< 2	60	270	0.1	43	48	1	2	1	50	60	< 1	14	33
66603	205 226	10	40	32	15.0	13	3	< 1	4	30	47	22	13	10	9
66604	205 226	450	1060	340	17.0	9	19	1	2	67	1310	6	67	8	20
66605	205 226	2	60	68	2.2	8	18	1	4	79	702	3	17	22	16
66606	205 226	3	80	29	7.7	11	13	2	6	86	120	14	34	26	30
66607	205 226	< 2	170	17	6.0	65	5	3	2	22	55	138	9	4	30
66608	205 226	< 2	110	51	2.1	10	14	< 1	5	25	362	5	3	15	9

CERTIFICATION:

*Phil Thorgrimson*



Ministry of  
Northern Development  
and Mines

**Declaration of Assessment Work  
Performed on Mining Land**

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

Assessment Files Research Imaging  
101-9810-000-49



52L07SE2002 2.18225 PATERSON LAKE 900

of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the  
to review the assessment work and correspond with the mining land holder.  
g Recorder, Ministry of Northern Development and Mines, 6th Floor,

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

**2.18225**

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

Name PHILLIP E. THORGRIMSON	Client Number 201724
Address P.O. BOX 915 KEEWATIN, ONTARIO P0X 1C0	Telephone Number (807) 543-3142 Fax Number (807) 543-3142
Name ALASDAIR J. M. MOWAT	Client Number 173492
Address C/O GENERAL DELIVERY KEEWATIN, ONTARIO P0X 1C0	Telephone Number C/O (807) 543-3142 Fax Number SAME

**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 PROSPECTING, GEOLOGICAL	<b>RECORDED</b> FEB 25 1998	Office Use
Dates Work Performed From 17 05 97 To 09 11 97	Commodity	Total \$ Value of Work Claimed 31,135.00
Global Positioning System Data (if available) E - 386436 BY N - 5570053 AT NO. 4 POST # 1178427	Township/Area PATERSON LAKE M or G-Plan Number G-2634	NTS Reference
	Mining Division Kenora	Resident Geologist District Kenora

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 PHILLIP E. THORGRIMSON	Telephone Number (807) 543-3142
Address P.O. BOX 915, KEEWATIN, ONT. P0X 1C0	Fax Number (807) 543-3142
Name ALASDAIR J. M. MOWAT	Telephone Number (807) 543-3142
Address C/O GENERAL DELIVERY, KEEWATIN, ONT. P0X 1C0	Fax Number
Name	Telephone Number
Address	Fax Number

**RECEIVED**  
FEB 25 1998  
GEOSCIENCE ASSESSMENT OFFICE

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

WE, PHILLIP E. THORGRIMSON & ALASDAIR J. M. MOWAT, 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 P. E. THORGRIMSON & A. J. M. MOWAT	Date FEB. 24 TH, 1998
Agent's Address P.O. BOX 915, KEEWATIN, ONT. P0X 1C0	Telephone Number (807) 543-3142 Fax Number (807) 543-3142

Deemed May 26/98

Work can only be assigned to claims that are contiguous (adjacent) to the mining land where work was performed, or to the mining land where work was performed. A map showing the contiguous mining land must accompany this form.

W. 9810.00047

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 to be distributed at a future date.
00 TB 7827	18 ha	\$26,825	N/A	\$24,000	\$2,825
00 1234567	12	0	\$24,000	0	0
00 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 A 1178427	6	\$ 31,135	\$ 12,000	\$ 19,135	0
2 A 1149784	4	0	8,000	0	0
3 A 1149785	2	0	4,000	0	0
4 A 1149786	2	0	4,000	0	0
5 B 1178880	3	0	800	0	0
6 B 1178881	1/3	0	400	0	0
7 B 1178882	2.3	0	767	0	0
8 B 1178883	4	0	768	0	0
9 B 1178884	1/3	0	400	0	0
10 C					
11 C					
12 C					
13 C					
14					
15					
Column Totals		\$ 31,135	\$ 31,135	\$ 19,135	

Revised Copy

**RECORDED**  
FEB 25 1998

I, P. E. THORNTON & A. J. M. HOWAT (Print Full Names), 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: P. E. THORNTON & A. J. M. HOWAT Date: FEB. 24, 1998

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 map (describe):

**RECEIVED**  
FEB 25 1998  
GEOSCIENCE ASSESSMENT OFFICE

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 Use Only Received Stamp <b>RECEIVED</b> MAR - 3 1998 GEOSCIENCE ASSESSMENT OFFICE	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

**RECEIVED**  
FEB 25 1998  
GEOSCIENCE ASSESSMENT OFFICE

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



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, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.18225

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
PROSPECTING GEOLOGY	PROSPECTING - 30 DAYS	\$ 3,000.00	\$ 3,000.00
\$ STRIPPING	GEOLOGY \$ - 61 DAYS	6,100.00	6,100.00
	GEOCHEM STRIPPING - 37 DAYS	3,700.00	3,700.00
	GRID TRAVERSING - 140 km	INCLUDED	
	SAMPLES - 67	3,273.30	3,273.30
	REPORT \$ MAPS - 20 DAYS	2,000.00	2,000.00
	VISITS - OGS - 1 DAY	100.00	100.00
<b>Associated Costs (e.g. supplies, mobilization and demobilization).</b>			
	CONSUMABLE SUPPLIES	109.76	109.76
	CONTRACT SERVICES (TIMBER JACK)	2,000.00	2,000.00
	OTHER SUPPLIES - STATIONARY	163.72	163.72
<b>RECORDED</b> FEB 25 1998			
<b>Transportation Costs</b>			
	23,212 km @ \$ 0.30/km - TRUCK	6,963.60	6,963.60
<b>Food and Lodging Costs</b>			
	149 DAYS @ \$ 25/diem	3,725.00	3,725.00
<b>Total Value of Assessment Work</b>			31,135.38

**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. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 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 15 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

**RECEIVED**  
FEB 25 1998  
GEOSCIENCE ASSESSMENT OFFICE

**Certification verifying costs:**

WE, P.E. THORGRIMSON & A.J.H. HOWAT, 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 RECORDED HOLDERS (please print full name)

the accompanying Declaration of Work form as RECORDED HOLDERS WE ARE RECORDED HOLDERS authorized to make this certification. (recorded holder, agent, or state company position with signing authority)

Signature: [Signature] Date: FEB. 24 / 98

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

June 11, 1998

PHILLIP EDWARD THORGRIMSON  
P.O. BOX 915  
KENDALL INLET ROAD  
KEEWATIN, Ontario  
P0X-1C0

Telephone: (888) 415-9846  
Fax: (705) 670-5881

Visit our website at:  
[www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm](http://www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm)

Dear Sir or Madam:

**Submission Number: 2.18225**

**Status**

**Subject: Transaction Number(s):** W9810.00047 Approval After Notice

---

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. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

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

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at [gatesb2@epo.gov.on.ca](mailto:gatesb2@epo.gov.on.ca) or by telephone at (705) 670-5856.

Yours sincerely,



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

# Work Report Assessment Results

**Submission Number:** 2.18225

**Date Correspondence Sent:** June 11, 1998

**Assessor:** Bruce Gates

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9810.00047	1178427	PATERSON LAKE	Approval After Notice	June 10, 1998

**Section:**

12 Geological GEOL  
9 Prospecting PROSP  
10 Physical PSTRIP

The revisions outlined in the Notice dated May 14, 1998, have been corrected. Accordingly, assessment work credit has been redistributed, as outlined on the attached Distribution of Assessment Work Credit sheet, to better reflect the location of the work.

**Correspondence to:**

Resident Geologist  
Kenora, ON

Assessment Files Library  
Sudbury, ON

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

PHILLIP EDWARD THORGRIMSON  
KEEWATIN, Ontario

ALASDAIR JAMES M. MOWAT  
KEEWATIN, ONTARIO

# Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

Date: June 11, 1998

Submission Number: 2.18225

---

Transaction Number: W9810.00047

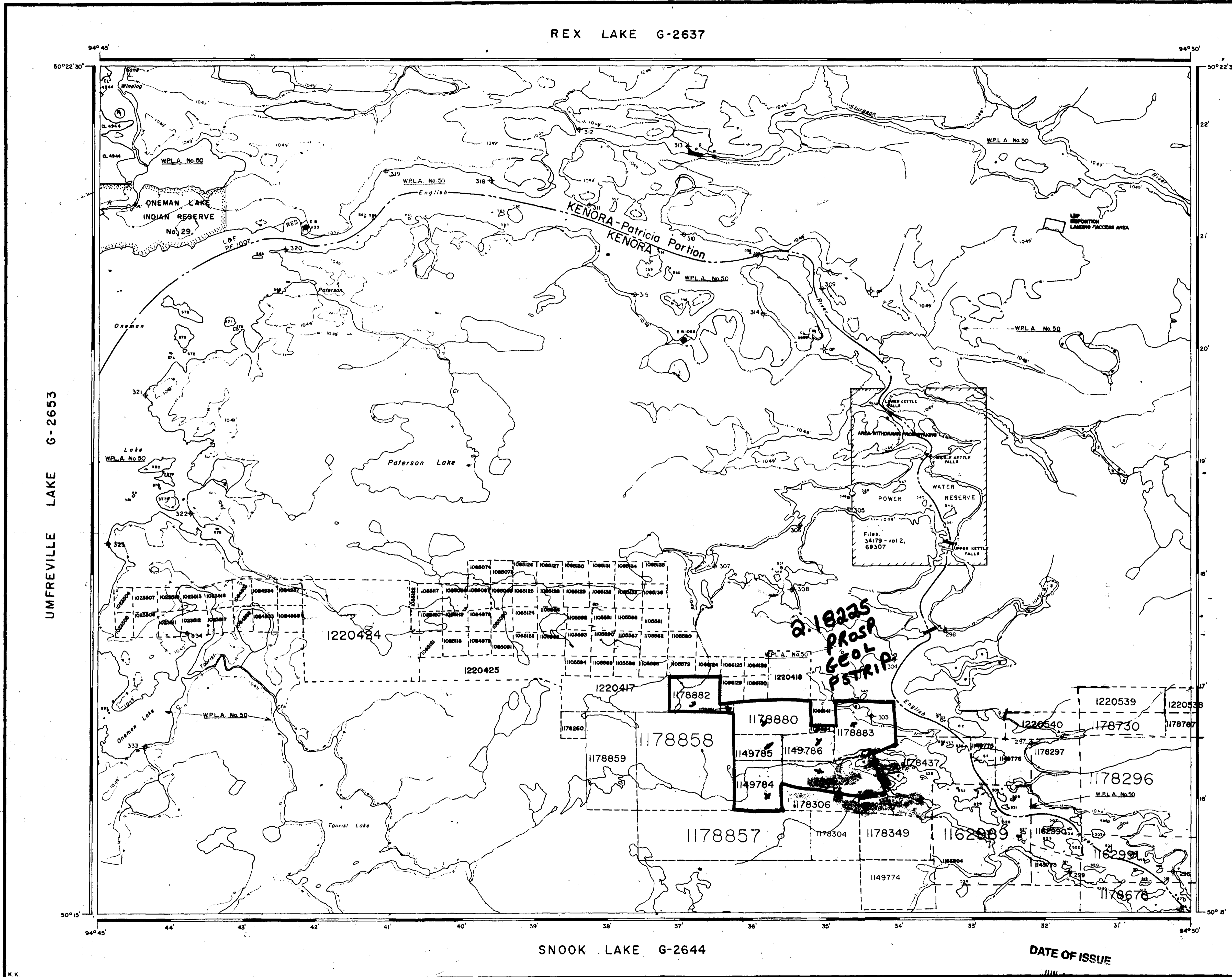
<u>Claim Number</u>	<u>Value Of Work Performed</u>
1178427	15,569.00
1149784	3,113.00
1149785	1,557.00
1149786	3,114.00
1178880	1,557.00
1147881	1,556.00
1178882	1,556.00
1178883	1,557.00
1178884	1,556.00
	<hr/>
Total: \$	31,135.00

---

G-5024

PATERSON LAKE

G-5024



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-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	◑
SURFACE RIGHTS ONLY	◒
MINING RIGHTS ONLY	◓
LICENCE OF OCCUPATION	◔
ORDER-IN-COUNCIL	◕
RESERVATION	◖
CANCELLED	◗
SAND & GRAVEL	◘

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 43, SUBSEC. 1.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

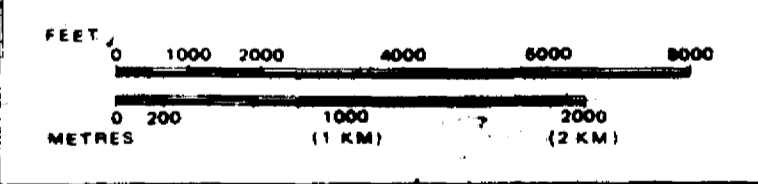
Description	Order No.	Date	Disposition	File
M.R.O. - MINING RIGHTS ONLY				
S.R.O. - SURFACE RIGHTS ONLY				
M+S - MINING AND SURFACE RIGHTS				
①	W.S./82	21/7/72	S.R. & M.R.	19 42 23

FLOODING

RESERVE FLOODING RIGHTS AND LAND UNDER THE WATERS OF THE ENGLISH RIVER BETWEEN SERPENTON RAPIDS AND CARBOU FALLS, INCLUDING ONEMAN LAKE, TOURIST LAKE, GONE LAKE, ETURGEON RIVER, WINDING RIVER, PATERSON CREEK, AND TOURIST CREEK, BELOW CONTOUR ELEVATION 1045.0, G.S. DATUM, 1919, TO THE P.G. OF ONTARIO FOR THE DEVELOPMENT OF WATER POWER AT CARBOU FALLS. FOR DETAIL OF CONTOUR, REFER TO PLAN No U-2-27 dated 19th MARCH 1959, (I.E.P.C. PLAN No 800-3359). W.P.L.A. No 50 dated 21st DECEMBER 1959 File 34179.

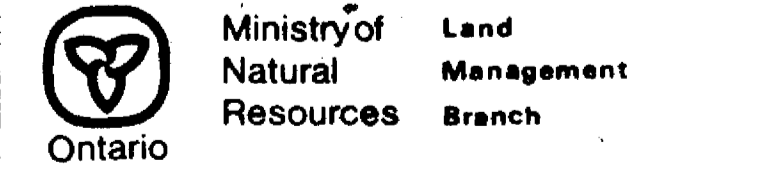
Flooding rights to contour elevation shown thus Mining claims staked in the vicinity, subject to flooding. See Files: 34179 - (vol. 2) and 69307.

SCALE: 1 INCH = 40 CHAINS



AREA

**PATERSON LAKE**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**KENORA**  
 MINING DIVISION  
**KENORA**  
 LAND TITLES / REGISTRY DIVISION  
**KENORA / KENORA (PATRICIA PORTION)**



Date: FEBRUARY, 1984  
 Number: **G-2634**  
 M-2531

LEGEND

TOWNSHIP CAMP (100' PORT)

UPDATES

PATERSON LAKE

DATE PUT IN SERVICE  
 JUL 19 1996  
 KENORA  
 MINING DIVISION

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.

G-5024

REX LAKE G-2637

SNOOK LAKE G-2644

UMFREVILLE LAKE G-2653

TRELLINED LAKE G-2651

DATE OF ISSUE

JUN 10 1988

PROVINCIAL RECORDING OFFICE - SUDBURY

503943



52107582002 2.18225 PATERSON LAKE 200



2. 18225  
**RECEIVED**  
 JUN 09 1998  
 GEOSCIENCE ASSESSMENT  
 OFFICE

**PLAN NO. 1**  
 - PROSPECTING / GEOLOGICAL MAP -

PROJECT: 14 POUNDER RE PROSPECT - Thorngren Mowat  
 PATELSON LAKE AREA - G. 254  
 REGIONAL MAP COORDINATES: N 52 52 U7  
 PROJECT COORDINATES: UTM 1178800, 1178800, 1178800, 1178800  
 DATE: NOVEMBER 1997

**LEGEND**

PHANEROZOIC  
 CENOZOIC  
 QUATERNARY  
 PLEISTOCENE  
 Tilt, clay, sand and gravel  
 Unconformity  
 PRECAMBRIAN  
 ARCHAEA

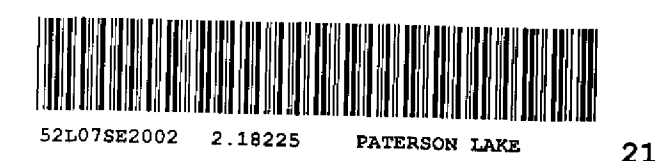
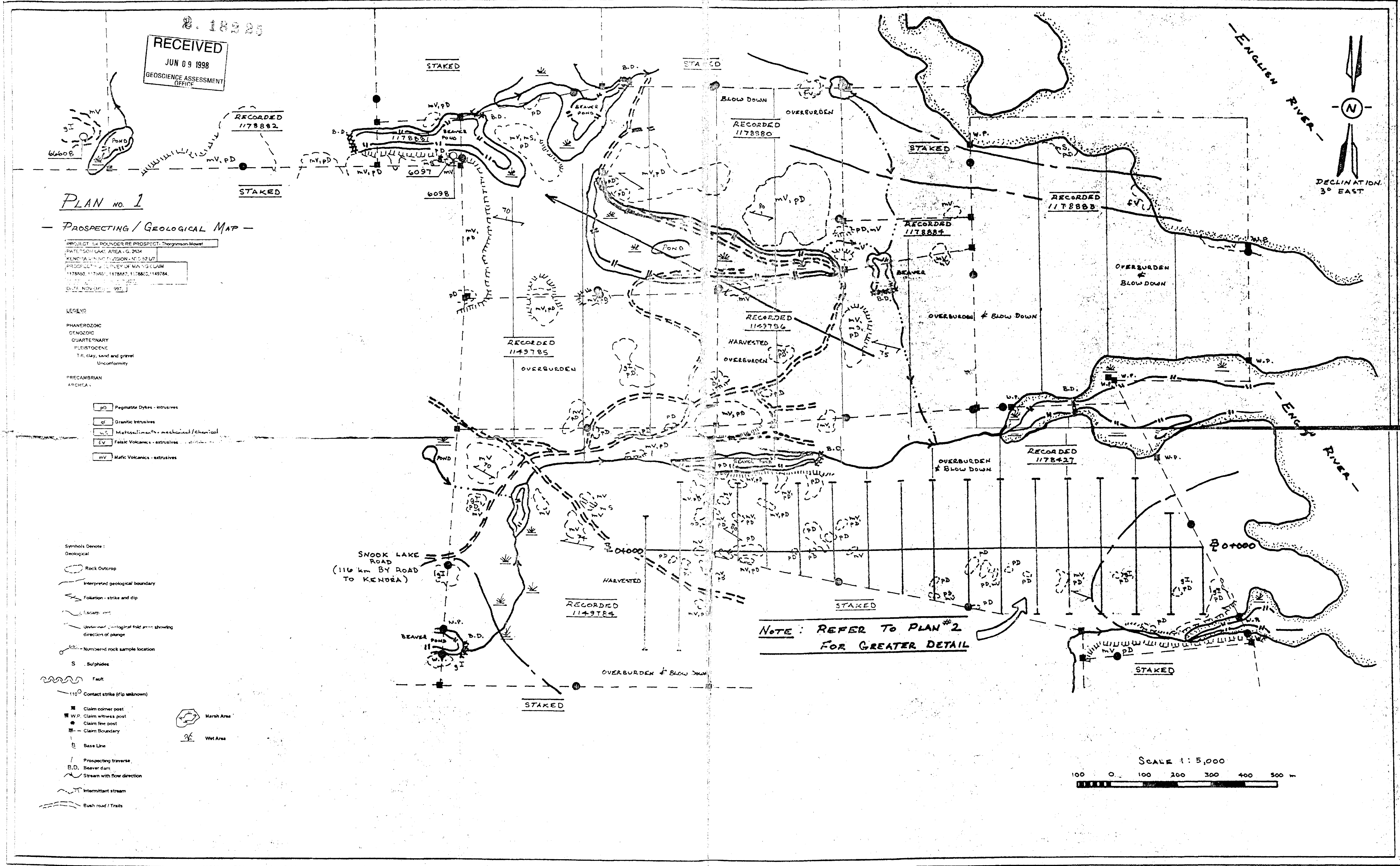
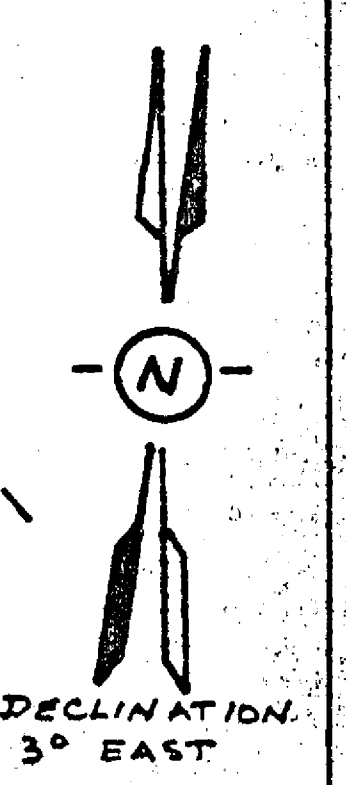
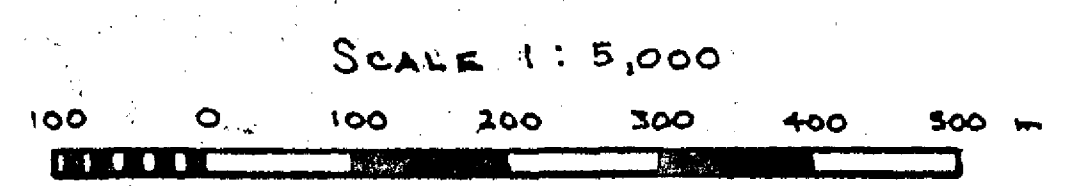
- pd Pegmatite Dykes - intrusives
- gr Granitic intrusives
- MS Metasulphides - mechanical / chemical
- fv Fealic Volcanics - extrusives
- mv Mafic Volcanics - extrusives

**Symbols Denote:**

- Geological**
- Rock Outcrop
  - Interpreted geological boundary
  - Foliation - strike and dip
  - Escarpment
  - Underlain geological fold axis showing direction of plunge
  - Numbered rock sample location
  - Sulphides
  - Fault
  - Contact strike (if unknown)
- Other Symbols**
- Claim corner post
  - W.P. Claim witness post
  - Claim line post
  - Claim Boundary
  - Base Line
  - Prospecting traverse
  - B.D. Beaver dam
  - Stream with flow direction
  - Intermittent stream
  - Bush road / Trails
  - Marsh Area
  - Wet Area

SNOOK LAKE ROAD  
 (116 km BY ROAD  
 TO KENORA)

**NOTE: REFER TO PLAN #2  
 FOR GREATER DETAIL**





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JUN 09 1998  
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OFFICE

RECORDED CLAIM No. 1149786

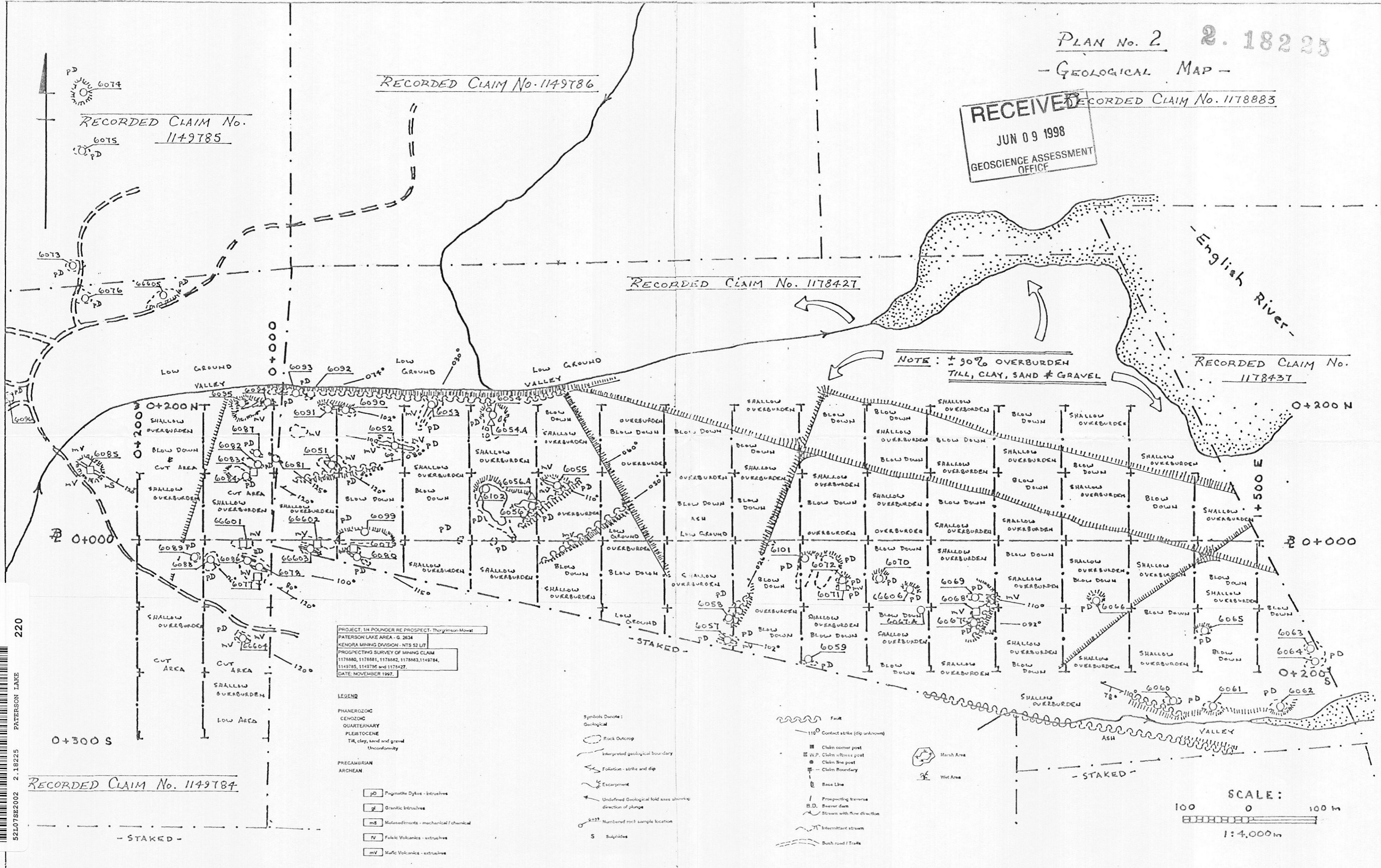
RECORDED CLAIM No. 1178883

RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437

NOTE: ± 90% OVERBURDEN  
TILL, CLAY, SAND & GRAVEL



PROJECT: 14 POUNDER RE PROSPECT, Thompson-Moat  
PATERSON LAKE AREA - G 2834  
KENORA MINING DIVISION - NTS 52 L17  
PROSPECTING SURVEY OF MINING CLAIM  
1178880, 1178881, 1178882, 1178883, 1149784,  
1149785, 1149786 and 1178427.  
DATE: NOVEMBER 1997.

- LEGEND
- PHANEROZOIC
    - QUATERNARY
    - PLEISTOCENE
  - PRECAMBRIAN
    - ARCHEAN
- pd Pegmatite Dykes - intrusives
  - g Granitic intrusives
  - ms Metasediments - mechanical / chemical
  - mv Mafic Volcanics - extrusives
  - mV Mafic Volcanics - intrusives

- Symbols Denote:
- Geological
  - Rock Outcrop
  - Interpreted geological boundary
  - Foliation - strike and dip
  - Escarpment
  - Undefined Geological fold axes showing direction of plunge
  - Numbered rock sample location
  - S Sulphides

- Fault
- 110° Contact strike (dip unknown)
- Claim corner post
- W.P. Claim witness post
- Claim line post
- Claim Boundary
- Base Line
- Prospecting traverse
- B.D. Barrier dam
- Stream with flow direction
- Intermittent stream
- Bush road / Trails

- Marsh Area
- Wet Area

SCALE:  
100 0 100 m  
1:4,000 m

52107852002 2.18225 PATERSON LAKE



RECORDED CLAIM No. 1178883

JUN 09 1998

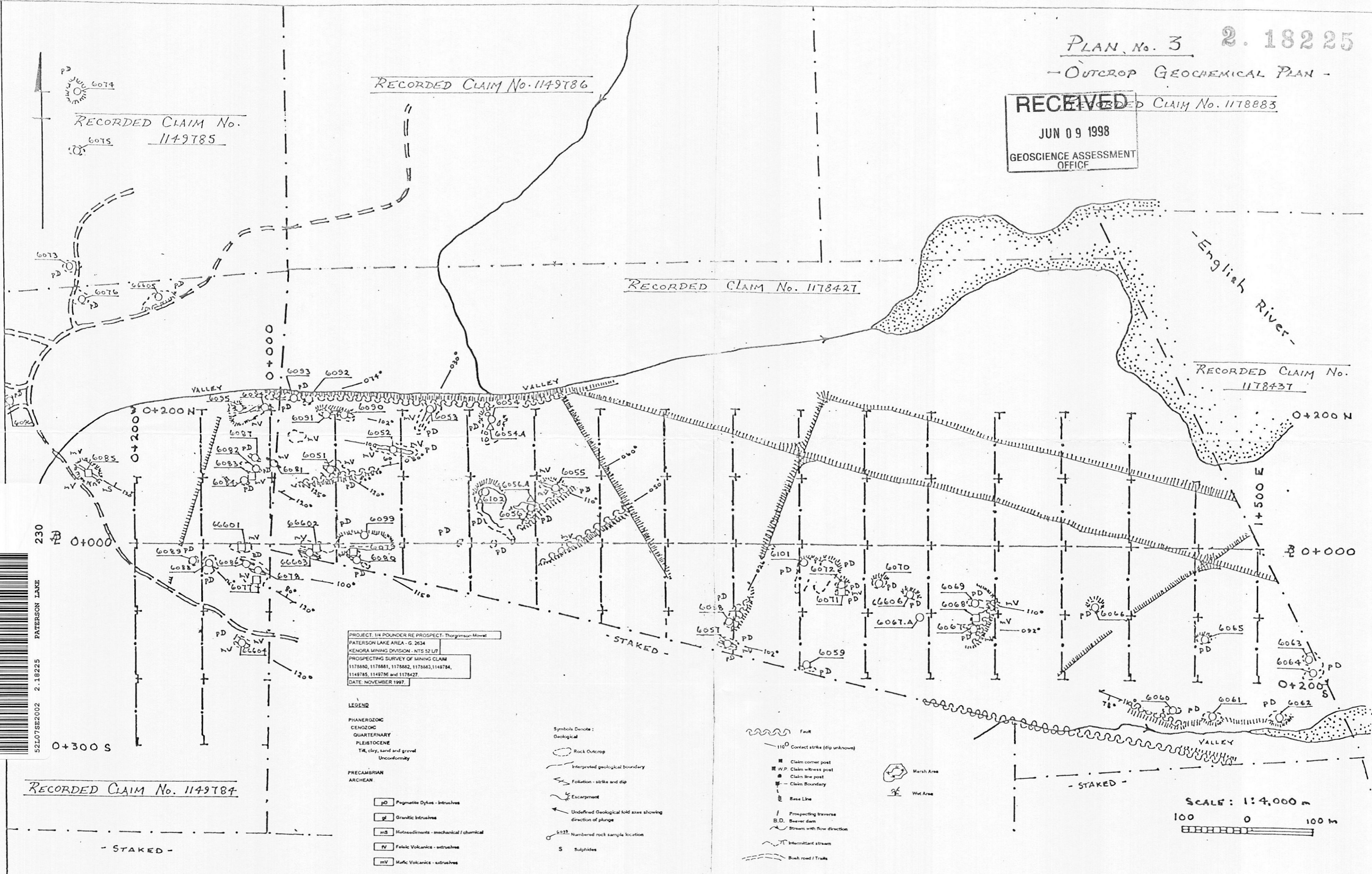
GEOSCIENCE ASSESSMENT OFFICE

RECORDED CLAIM No. 1149786

RECORDED CLAIM No. 1149785

RECORDED CLAIM No. 1178427

RECORDED CLAIM No. 1178437



PROJECT: 1/4 POUNDER RE PROSPECT - Thompson-Morav  
 PATERSON LAKE AREA - G. 2634  
 KENORA MINING DIVISION - NTS 52 L/7  
 PROSPECTING SURVEY OF MINING CLAIM  
 1178883, 1178881, 1178882, 1178883, 1149784,  
 1149785, 1149786 and 1178427.  
 DATE: NOVEMBER 1997.

- LEGEND
- PHANEROZOIC  
 CENOZOIC  
 QUATERNARY  
 PLEISTOCENE  
 Tilt, clay, sand and gravel  
 Unconformity
- PRECAMBRIAN  
 ARCHEAN
- pd Pegmatite Dykes - Intrusives  
 gi Granitic Intrusives  
 ms Metasediments - mechanical / chemical  
 IV Felsic Volcanics - intrusives  
 mV Mafic Volcanics - extrusives

- Symbols Denote:  
 Geological
- Rock Outcrop  
 Interpreted geological boundary  
 Foliation - strike and dip  
 Escarpment  
 Undefined Geological fold axes showing direction of plunge  
 Numbered rock sample location  
 S Sulphides

- FAULT  
 110° Contact strike (dip unknown)
- Claim corner post  
 W.P. Claim witness post  
 Claim line post  
 Claim Boundary  
 Base Line  
 Prospecting traverse  
 B.D. Beaver dam  
 Stream with flow direction  
 Intermittent stream  
 Bush road / Trails
- Marsh Area  
 Wet Area

SCALE: 1:4,000 m  
 100 0 100 m



RECORDED CLAIM No. 1149784

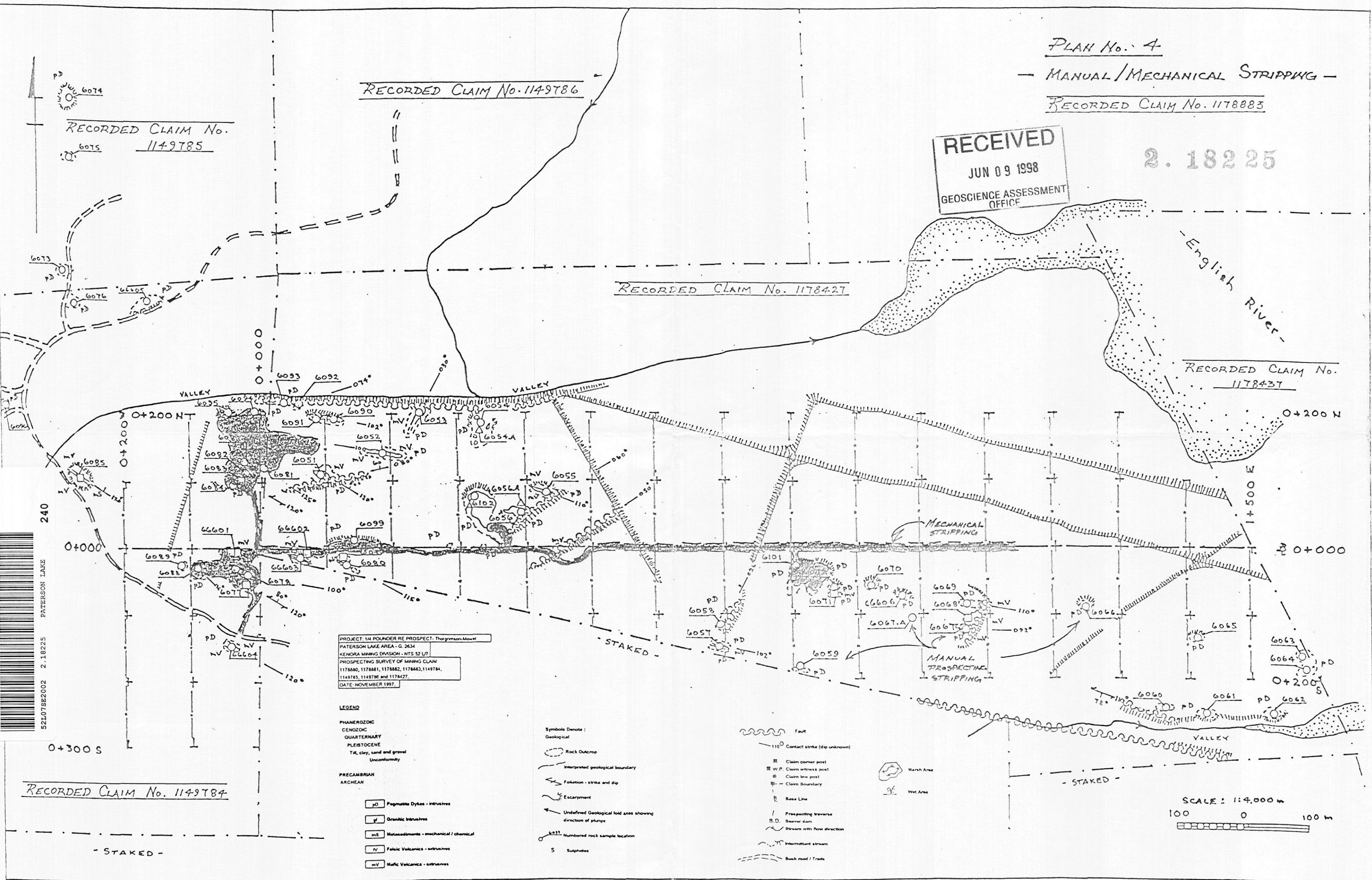
- STAKED -



PLAN No. 4  
 - MANUAL/MECHANICAL STRIPPING -  
 RECORDED CLAIM No. 1178883

RECEIVED  
 JUN 09 1998  
 GEOSCIENCE ASSESSMENT  
 OFFICE

2.18225



PROJECT: IN PIONEER RE PROSPECT, Thompson-Mount  
 PATERSON LAKE AREA - G. 2434  
 KENORA MINING DIVISION - MTS 52 177  
 PROSPECTING SURVEY OF MINING CLAIM  
 1178883, 1178431, 1178427, 1178427, 1149785, 1149785 and 1178427  
 DATE: NOVEMBER 1997

LEGEND

- PHANEROZOIC  
 QUATERNARY  
 PLEISTOCENE  
 T4, clay, sand and gravel  
 Unconformity
- PRECAMBRIAN  
 ARCHEAN
- PD Pegmatite Dykes - intrusives  
 G Granitic intrusives  
 MS Metasediments - mechanical / chemical  
 F Felsic Volcanics - intrusives  
 MV Mafic Volcanics - intrusives
- Geological Symbols Denote:  
 Rock Outcrop  
 Interpreted geological boundary  
 Foliation - strike and dip  
 Escarpment  
 Undeformed Geological fold axes showing direction of plunge  
 B.D. Breach dam  
 Break with flow direction  
 Intermittent stream  
 Bush road / Track
- 110° Contact strike (dip unknown)  
 Claim corner post  
 W.P. Claim witness post  
 Claim line post  
 Claim Boundary  
 Base Line  
 Prospecting traverse  
 Barrier dam  
 Break with flow direction  
 Intermittent stream  
 Bush road / Track
- Marsh Area  
 Wet Area
- 6037 Numbered rock sample location  
 S Sulphides

MANUAL / MECHANICAL STRIPPING LOCATION DATA :

Sample #	Sample Location	Sample Description
6051	0+030E-0+110N	O - pD - 1" x STRIKE LENGTH - 3" @ 120° - DIP 80° W
6052	0+185E-0+190N	O - pD - 1/2" x STRIKE EXPOSURE - 5" @ 100°
6053	0+230E-0+205N	O - pD - 3" x STRIKE EXPOSURE - 6" @ 210° (Cpy-T)
6054	0+335E-0+185N	O - pD - 30" x 50" S. EXPOSURE
6055	0+430E-0+080N	O - pD - 1" x STRIKE EXPOSURE - 5" @ 110°
6056	0+395E-0+050N	O - pD - 10" x STRIKE EXPOSURE - 40" E/W
6057	0+630E-0+150E	O - pD - 2 DYKES - 1/2" x 1/2" WIDE x 3" EXPOSURE @ 102°
6058	0+655E-0+120S	O - pD - EXPOSURE - 5" WIDE x 8" STRIKE LENGTH @ 102°
6059	0+810E-0+185E	O - pD - 2 DYKES - EXPOSURE 2" x 2" (0.5' 2.015)
6060	1+355E-0+245 S	O - pD, gT - EXPOSURE - 15" STRIKE LENGTH @ 110° x 6"
6061	1+425E-0+250S	O - pD, gT - EXPOSURE - 2"
6062	1+530E-0+250S	O - pD, gT - EXPOSURE - 15" x 15"
6063	1+575E-0+165S	O - pD, gT - EXPOSURE - 10" ALONG CLAIM BOUNDARY BY 25"
6064	1+580E-0+180S	O - pD, gT - 2"
6065	1+415E-0+140S	O - pD, gT - EXPOSURE - 20" x 15"
6066	1+250E-0+090S	O - pD, gT - EXPOSURE - 20" x 15"
6067	1+065E-0+125S	O - pD - EXPOSURE - 1" WIDE BY 5" STRIKE LENGTH @ 89°
6067A	0+285E-0+105S	O - pD - EXPOSURE - 5" N/S. x 10" E/W.
6068	1+065E-0+110S	□ - MV - EXPOSURE - 10" x 10"
6069	1+070E-0+085E	O - pD - EXPOSURE - 10" N/S x 25" LONG E/W
6070	0+320E-0+055S	O - pD - EXPOSURE - 15" x 15"
6071	0+860E-0+070S	□ - MV - EXPOSURE - 15" N/S x 40" E/W
6072	0+860E-0+070S	O - pD - EXPOSURE - 2" N/S x 5" E/W
6073	0+300W-0+910S	O - pD - EXPOSURE - 10" E/W x 15" N/S
6074	0+230W-0+670N	O - pD, gT - EXPOSURE - STOCK - 25" x 25"
6075	0+230W-0+585N	O - pD, gT - EXPOSURE - 5" x 5"
6076	0+290W-0+360N	O - pD - EXPOSURE - 10" x 15" N/S
6077	0+020W-0+055S	□ - MV - EXPOSURE - STRIKE 120° - DIP 75° N - 40" W
6078	0+020W-0+040S	O - pD - EXPOSURE - 1" x STRIKE LENGTH 12" @ 100°
6079	0+120E-0+015S	□ - MV - EXPOSURE - BEDDING CONTACT @ 106°
6080	0+125E-0+025S	O - pD - EXPOSURE - 1/2" WIDE x STRIKE LENGTH 10"
6081	0+005E-0+120N	O - pD - EXPOSURE - 1" WIDE x 5" STRIKE LENGTH @ 120°
6082	0+020W-0+110N	O - pD - EXPOSURE - 6" WIDE x 25" @ 030°
6083	0+030W-0+100N	□ - MV - EXPOSURE
6084	0+040W-0+095N	O - pD - EXPOSURE - 6" WIDE x 25"
6085	0+275W-0+100N	□ - MS - EXPOSURE - 1" WIDE - STRIKE @ 110°
6086	0+035W-0+030S	O - pD - EXPOSURE - 1/2" WIDE x 4" - Beryl.
6087	0+025W-0+120N	O - pD - EXPOSURE - 3" x 3"
6088	0+030W-0+030S	O - pD - EXPOSURE - 10" x 10" @ 130° - DIP, 0.5'
6089	0+110W-0+025S	O - pD - EXPOSURE - 1" x 5" E/W
6090	0+110E-0+135N	O - pD - EXPOSURE - 3" x 14" STRIKE @ 102°
6091	0+085E-0+125N	O - pD - EXPOSURE - 1/2 - 1" DI DYKETS
6092	0+055E-0+215N	O - pD - EXPOSURE - 5" x 5" @ 074°
6093	0+025E-0+220N	O - pD - EXPOSURE - 1" x 10" E/W
6094	0+020W-0+205N	O - pD - EXPOSURE - 1" x 10" E/W
6095	0+050W-0+200N	O - pD, gT - EXPOSURE - 2 - 1/2" x 1/2" CLEAN CONTACT
6096	0+450W-0+190N	O - pD, gT - EXPOSURE - 10" N/S x 15"
6097	0+140E-0+015N	O - pD - EXPOSURE - 25" N/S x 70" E/W
6101	0+805E-0+025S	O - pD - EXPOSURE - 50" N/S x 60" E/W
6102	0+325E-0+075N	O - pD - EXPOSURE - 75" N/S x 35" E/W
66601	0+040W-0+055S	□ - MV - EXPOSURE - 15" N/E x 30" E/W
66602	0+065E-0+005S	□ - MV - EXPOSURE - 15" N/E x 45" E/W
66603	0+055E-0+015S	O - pD - EXPOSURE - 1/2" x 30" STRIKE @ 100°
66604	0+040W-0+150S	O - pD - EXPOSURE - 1" x 20" STRIKE @ 120°
66605	0+170W-0+370N	O - pD, gT - EXPOSURE - 20" N/S x 40" E/W
66606	0+265E-0+085S	O - pD - EXPOSURE - 10" N/S x 20" E/W
OTHER		
SR6054A	0+330E-0+180N	Δ - "A" HUMUS
SR6054A	0+330E-0+065N	Δ - "A" HUMUS

SCALE: 1:4,000 m  
 100 0 100 m