

2393

Geochemical Report 3  
VICTIM GROUP 82K/3W  
Leora, Leona, Vic, Tim, Victim, etc. claims  
(50° 117° SE) Adjoining NW side of Slocan  
Lake on Shannon and Wragge Creeks  
for  
ARGEM EXPLORATIONS LTD.  
between April 16 and May 22, 1970  
W.S. Read, B.Sc., P.Eng.  
May 22, 1970

WAYLAND S. READ, B.SC., P.ENG.

AREA CODE 604—TELEPHONE 922-1347

*Consulting Geologist*

860 YOUNETTE DRIVE, WEST VANCOUVER, B.C., CANADA

May 22, 1970

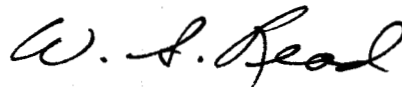
The Board of Directors,  
Argem Explorations Ltd.,  
1950 Lonsdale Avenue,  
North Vancouver, B. C.

Gentlemen:

At your request, I have conducted a preliminary reconnaissance geochemical survey on part of your Leora, Leona, Vic, Tim, and Victim claims adjoining the northwest side of Slocan Lake. In addition, a detailed grid was established covering the area adjoining the molybdenite showing on the Victim 2 claim.

A preliminary recording of outcrops and geological units along the sample routes was done to relate sample data to underlying rock units.

Yours very truly,



W.S. Read.

wsz/e

**GEOCHEMICAL REPORT**

**VICTIM GROUP**

**Leora, Leona, Vic, Tim, Victim, etc. Claims  
(50° 117° SE)**

**Adjoining northwest side of Slocan Lake  
on Shannon and Wragge Creeks**

**in the**

**SLOCAN MINING DIVISION**

**Province of**

**British Columbia, Canada**

**for**

**ARGEM EXPLORATIONS LTD.**

**by**

**W.S. Read, B.Sc., P. Eng.,  
860 Younette Drive,  
West Vancouver, B. C.**

**May 22, 1970**

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### LIST OF ILLUSTRATIONS: *(Rear)*

- #1 1. Preliminary Geology, Claim and Location Map.  
Scale 1 inch = 1/4 mile.
- #2 2. Geochemical Plan (Molybdenum) Scale 1 inch = 1/4 mile.
- #3 3. Geochemical Plan (Zinc)           Scale 1 inch = 1/4 mile.
- #4 4. Profile of molybdenum and zinc assays.

### APPENDIX

Assay Sheets 1 - 10

Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. <b>2393</b> MAP.....
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LOCATION:

The Leora, Leona, Vic, Tim and Victim claim groups are located in the Slocan Mining Division, British Columbia, Canada on map sheet 82K/3W of the National Topographic System with approximate coordinates of  $50^{\circ} 04' N$ ,  $117^{\circ} 28' W$ . The approximate elevation of the claims group is from 1,754 feet at low water on Slocan lake to about 3,600 feet at the Leona 11 and 12 claims.

The claims adjoin and lie northwest of Slocan lake on Shannon and Wragge creeks.

ACCESS:

The claims lie about 18 miles southeast of the town of Nakusp on Upper Arrow lake and about 9 miles northwest of the town of New Denver on Slokan lake. Both towns are on B. C. highway No. 6 and served by a branch line of the Canadian Pacific Railway.

Castlegar, some 62 miles south of New Denver, has daily scheduled airline connection with Vancouver.

The claims are in part traversed by logging roads, old skid trails and are accessible by small boat along Slokan lake.

CLAIMS HELD BY COMPANY:

The company has advised that they hold the 77 claims listed hereunder. The transfer of the claims to the company has not been checked, as it is believed that the company has retained counsel to ensure itself of proper title to the ground. The claim corners found were plotted on airphoto overlay and transferred to a map to a scale of 4 inches equals 1 mile.

<u>Claim Name and Number</u>	<u>Record No.</u>	<u>Tag No.</u>	<u>Date of Recording</u>
Moe	11046	-	Sept. 22, 1969
Joe	11045	-	Sept. 22, 1969
PB 1-3	13830 - 2	-	October 3, 1969
Leora 1 - 6	12999 - 13004	801301-06	May 27, 1969
Leora 7 - 10	13005 - 8	800787-90	May 27, 1969
Leona 7 - 10	13031 - 4	800797-800800	May 30, 1969
Leona 11 - 16	13035 - 40	801321-6	May 30, 1969
Leona 17 - 18	13041 - 2	801317-8	May 30, 1969
Tim 1 - 16	14355 - 70	966251-66	April 1, 1970
Vic 1 - 16			
Victim 1 - 17			

GEOLOGY:

The area covered is underlain by rocks of the Slocan series of Triassic age and the Wragge creek stock of quartz diorite and granodiorite Cretaceous and/or Jurassic in age.

The geology west of longitude  $117^{\circ} 30'$  was mapped by Dr. D. W. Hyndman of the Geological Survey of Canada and published in Bulletin 161 in 1968 at a scale of 1 inch = 1 mile.

The mapping during the geochemical survey was strictly of a preliminary nature to give an idea of the underlying rock units in this unmapped area. Twenty-two rock specimens were collected which could be used to go with more detailed work. The outcrop and specimen locations are shown on the accompanying geology map.



GEOCHEMICAL SURVEY:

1662  
One hundred and ninety-one samples were taken along 5,450 feet of baseline and crosslines at 100 foot intervals and several line miles at about 250 and 500 foot intervals using ground features for plotting control on a photo overlays.

A mattock was used for digging the sample hole. When possible the upper part of the "B" soil horizon was sampled. The overlying "A" soil horizon was usually less than 6 inches thick.

The samples were collected in brown Kraft soil sample bags arranged in numerical order and delivered directly to the assayers in Vancouver. The samples were assayed for zinc and molybdenum by T. S. L. Laboratories Ltd., Vancouver using hot aqua regia extraction and metal determination by the atomic absorption method.

The assay results were plotted on the base plan at a scale of 1 inch = 1/4 mile and contoured within ranges as shown on the map.

The average of the 191 zinc assays was 97.6 parts per million. If the highest assay of 1092 p. p. m. was held back, the average of the remaining 190 samples would be 92.4 p. p. m.

The average of the 191 molybdenum assays was 8.5 p. p. m.

If the highest assay of 400 p. p. m. was held back the average of the remaining 190 samples would be 6.4 p. p. m.

The following concentration ranges for zinc and molybdenum were selected after inspection and analysis of the data.

<u>Range</u>	<u>Zinc p. p. m.</u>	<u>Mo p. p. m.</u>
Background	0 - 100	0 - 8
Threshold	100 - 200	8 - 11
Anomalous	+ 200	+ 11

Zinc and molybdenum were selected because of the molybdenite outcrop at the lake and the chance of finding an overburden covered molybdenum or silver, lead, zinc deposit in the area. Both elements have high to moderate mobility and should be excellent indicators for a reconnaissance type program.

INTERPRETATION OF RESULTS:

The area of coverage is underlain by the Wragge creek stock of quartz diorite and granodiorite and the Slocan group of altered volcanics and sediments. Much of the area is covered by light overburden.

A detailed grid in the area of the molybdenite outcrop at the lake indicated that, except for a very high molybdenum assay directly over the showing, most readings were at the background level with a small percentage within the threshold level. The zinc assay over the same showing gave a low background reading. This would indicate that this showing is of limited extent.

However, the reconnaissance sampling encountered several threshold and anomalous readings north of the showing, between Wragge and Shannon creeks that showed a similar trend between the zinc and molybdenum samples. It is not good practice to extrapolate too far on random spaced reconnaissance samples, but from the data available, a northwest trend is indicated. No outcrop was seen on the traverse route in the area of the anomalous readings, so the source of the metals, the rock type and structure is not known.

On the Shannon creek road, north of Shannon creek on the Leona 7, 8 and the Vic 9, 10 claims a weak zinc anomaly exists that corresponds to an area of sheared and contorted graphitic schists.

Threshold readings and two anomalous readings extend eastward to Slocan lake. This zone is weak and without corresponding molybdenum values. It could reflect a band of sediments with a higher zinc content or ion migration from the north.

PERSONNEL

Field work between April 19 - April 28, 1970 -

Wayland S. Read, P. Eng., Mining and Geological Consultant,  
860 Younette Drive,  
West Vancouver, B. C.

Frederick L. Schram, Prospector, Previous training and experience  
in geochemistry with a Vancouver mining  
consulting group.  
589 Eckhardt Avenue E.,  
Penticton, B. C.

BIBLIOGRAPHY

Hawkes, H. E., and Webb, J. S., *Geochemistry in Mineral Exploration*,  
Harper and Row Publishers.

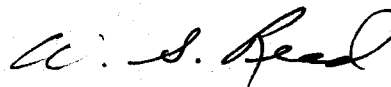
Hyndman, D. W., *Bulletin 161, Geological Survey of Canada 1968.*

CERTIFICATE OF QUALIFICATIONS

I, Wayland Stuart Read, of 860 Younette Drive, West Vancouver, B. C., do hereby certify that:

1. I am a practising mining geologist and my address is 860 Younette Drive, West Vancouver, B. C.
2. I am a graduate in geology from Acadia University, Wolfville, Nova Scotia, and have been granted the degree of Bachelor of Science in Geology and have engaged in practising my profession for the past eleven years.
3. I am a member of the Association of Professional Engineers of British Columbia and the Yukon Territory, a Fellow of the Geological Association of Canada and a Junior Member of the Canadian Institute of Mining and Metallurgy.
4. I have no interest in the securities of Argem Explorations Ltd., nor in the property held by them and discussed in this report.
5. This report is based on my personal visits and work on the property between April 7 - 9 and April 19 - 28, 1970.

Respectfully submitted,



Wayland S. Read, B.Sc., P. Eng.,  
Consulting Geologist.

860 Younette Drive,  
West Vancouver, B. C.

May 22, 1970

DOMINION OF CANADA:  
PROVINCE OF BRITISH COLUMBIA.

To Wit:

In the Matter of Geochemical Survey, Geological mapping, line cutting - Victim Group - Vic, Victim, Leona, Leora claims.

I, W. S. Read, P.Eng.

of Wayland S. Read Limited - Geological Consultant  
860 Younette Drive, West Vancouver, B.C.

in the Province of British Columbia, do solemnly declare that the following supervision and work was done:

- Reconnaissance geochemical survey
- Detailed geochemical survey
- Base line and crosslines for detail survey - 5420 feet.
- Preliminary geological mapping.

Costs:

Assaying 191 soil samples for Zn. and Mo., including preparations, T. S. L. Laboratories Ltd., Vancouver.		\$334.25
Transportation costs	282.94	
Chain saw rental - 2 weeks @ \$35	\$70.00	
Boat rental 2 weeks @ \$50	100.00	
Motor rental 2 " @ \$35	70.00	
Equipment write-off	150.00	
Food and accommodation	244.00	
Engineering supplies	85.00	1001.94

Personnel:

W. S. Read. April 14 days, May 8½	2225.00	
F. Schram. April 10 days	300.00	
Draughting, printing, etc.	225.00	<u>2750.00</u>
		\$4086.19

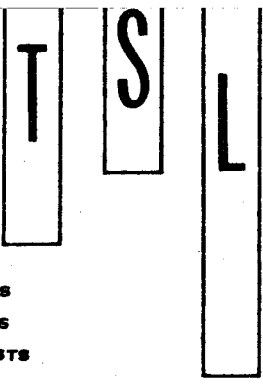
And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the city  
of Vancouver, in the  
Province of British Columbia, this 28  
day of May 1970, A.D.

*W. S. Read*

*Jan Turner*  
A Commissioner for taking Affidavits for British Columbia or  
A Notary Public in and for the Province of British Columbia.  
Sub-mining Recorder





# Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEX: 04-50613  
CODE NAME: TSL-LABS-VCR.

TELEPHONE 688-3504  
AREA CODE 604

ASSAYERS  
CHEMISTS  
GEOCHEMISTS

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM *W.S. READ*

REPORT NO.  
*V7412-10*

SAMPLE(S) OF

*SOIL & STREAM SEDIMENT*

RESULTS IN PARTS PER MILLION

	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Co
1	<i>181</i>			<i>87</i>			<i>5</i>	
2	<i>182</i>			<i>144</i>			<i>3</i>	
3	<i>183</i>			<i>60</i>			<i>5</i>	
4	<i>184</i>			<i>63</i>			<i>4</i>	
5	<i>185</i>			<i>69</i>			<i>2</i>	
6	<i>186</i>			<i>39</i>			<i>6</i>	
7	<i>187</i>			<i>60</i>			<i>3</i>	
8	<i>188</i>			<i>50</i>			<i>6</i>	
9	<i>189</i>			<i>304</i>			<i>5</i>	
0	<i>190</i>			<i>40</i>			<i>8</i>	
1	<i>191</i>			<i>9</i>			<i>4</i>	
2								
3								
4								
5								
6								
7								
8								
9								
0								

*Agua regia*  
BY HOT ~~HCl~~ - ACID EXTRACTION

DETERMINED BY *A.A.*

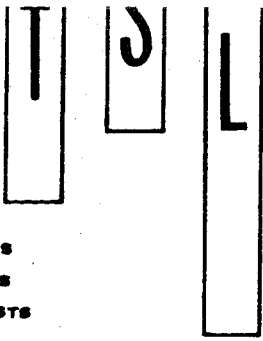
~~Mo~~ DETERMINED BY *A.A.* ~~Zn~~ - DITHIOL METHOD

DATE *April 30, 1970*

SIGNED

N.B. Samples discarded after 3 months unless otherwise requested.





# Laboratories Limited

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TELEX: 04-50613  
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TELEPHONE 688-3504  
AREA CODE 604

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CHEMISTS  
GEOCHEMISTS

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM *W. S. READ*

REPORT NO.  
*V 7412-1*

SAMPLE(S) OF

*SOIL + STREAM SEDIMENT*

RESULTS IN PARTS PER MILLION

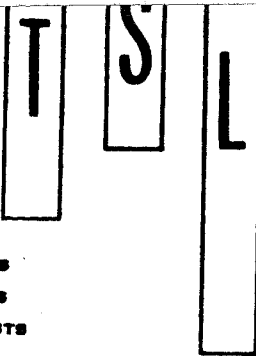
	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Co
1	<i>1</i>			<i>58</i>			<i>3</i>	
2	<i>2</i>			<i>45</i>			<i>5</i>	
3	<i>3</i>			<i>40</i>			<i>4</i>	
4	<i>4</i>			<i>52</i>			<i>3</i>	
5	<i>5</i>			<i>70</i>			<i>2</i>	
6	<i>6</i>			<i>281</i>			<i>10</i>	
7	<i>7</i>			<i>72</i>			<i>4</i>	
8	<i>8</i>			<i>249</i>			<i>8</i>	
9	<i>9</i>			<i>22</i>			<i>400</i>	
0	<i>10</i>			<i>12</i>			<i>7</i>	
1	<i>11</i>			<i>39</i>			<i>6</i>	
2	<i>12</i>			<i>71</i>			<i>10</i>	
3	<i>13</i>			<i>63</i>			<i>3</i>	
4	<i>14</i>			<i>46</i>			<i>4</i>	
5	<i>15</i>			<i>42</i>			<i>7</i>	
6	<i>16</i>			<i>91</i>			<i>4</i>	
7	<i>17</i>			<i>76</i>			<i>11</i>	
8	<i>18</i>			<i>80</i>			<i>4</i>	
9	<i>19</i>			<i>47</i>			<i>19</i>	
0	<i>20</i>			<i>120</i>			<i>7</i>	

DATE *April 30, 1970*

SIGNED

N.B. Samples discarded after 3 months unless otherwise requested.





# Laboratories Limited

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CODE NAME: TSL-LABS-VCR.

TELEPHONE 688-3504  
AREA CODE 604

ASSAYERS  
CHEMISTS  
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## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM *W. S. READ*

REPORT NO.  
*V 7412-2*

SAMPLE(S) OF

*SOIL & STREAM SEDIMENT*

RESULTS IN PARTS PER MILLION

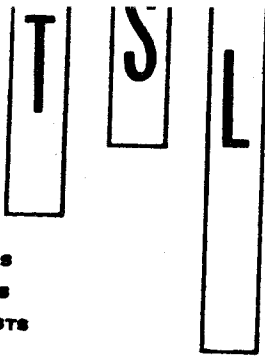
	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Ce
1	<i>21</i>			<i>56</i>			<i>10</i>	
2	<i>22</i>			<i>150</i>			<i>3</i>	
3	<i>23</i>			<i>52</i>			<i>11</i>	
4	<i>24</i>			<i>51</i>			<i>5</i>	
5	<i>25</i>			<i>157</i>			<i>7</i>	
6	<i>26</i>			<i>68</i>			<i>5</i>	
7	<i>27</i>			<i>94</i>			<i>9</i>	
8	<i>28</i>			<i>154</i>			<i>7</i>	
9	<i>29</i>			<i>45</i>			<i>6</i>	
0	<i>30</i>			<i>89</i>			<i>8</i>	
1	<i>31</i>			<i>139</i>			<i>9</i>	
2	<i>32</i>			<i>85</i>			<i>9</i>	
3	<i>33</i>			<i>47</i>			<i>6</i>	
4	<i>34</i>			<i>93</i>			<i>4</i>	
5	<i>35</i>			<i>52</i>			<i>2</i>	
6	<i>36</i>			<i>64</i>			<i>3</i>	
7	<i>37</i>			<i>47</i>			<i>3</i>	
8	<i>38</i>			<i>87</i>			<i>9</i>	
9	<i>39</i>			<i>113</i>			<i>12</i>	
0	<i>40</i>			<i>55</i>			<i>4</i>	

DATE *April 30, 1970*

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SAMPLE(S) FROM *W.S. READ*

REPORT NO.  
*V 7412-3*

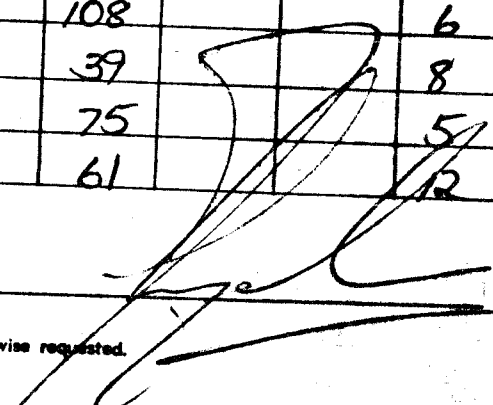
SAMPLE(S) OF

*SOIL + STREAM SEDIMENT*

RESULTS IN PARTS PER MILLION

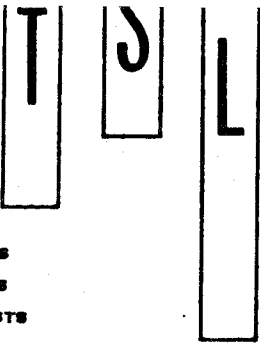
	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Co
1	<i>41</i>							
2	<i>42</i>			<i>27</i>			<i>8</i>	
3	<i>43</i>			<i>50</i>			<i>13</i>	
4	<i>44</i>			<i>62</i>			<i>7</i>	
5	<i>45</i>			<i>63</i>			<i>6</i>	
6	<i>46</i>			<i>1092</i>			<i>12</i>	
7	<i>47</i>			<i>99</i>			<i>9</i>	
8	<i>48</i>			<i>160</i>			<i>7</i>	
9	<i>49</i>			<i>58</i>			<i>8</i>	
0	<i>50</i>			<i>149</i>			<i>15</i>	
				<i>48</i>			<i>40</i>	
1	<i>51</i>							
2	<i>52</i>			<i>93</i>			<i>14</i>	
3	<i>53</i>			<i>102</i>			<i>10</i>	
4	<i>54</i>			<i>66</i>			<i>7</i>	
5	<i>55</i>			<i>136</i>			<i>4</i>	
6	<i>56</i>			<i>67</i>			<i>6</i>	
7	<i>57</i>			<i>61</i>			<i>5</i>	
8	<i>58</i>			<i>108</i>			<i>6</i>	
9	<i>59</i>			<i>39</i>			<i>8</i>	
0	<i>60</i>			<i>75</i>			<i>5</i>	
				<i>61</i>			<i>12</i>	

DATE *April 30, 1970.*

SIGNED 

N.B. Samples discarded after 3 months unless otherwise requested.





# Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEX: 04-50613  
CODE NAME: TSL-LABS-VCR.

TELEPHONE 688-3504  
AREA CODE 604

ASSAYERS  
CHEMISTS  
GEOCHEMISTS

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM W.S. READ

REPORT NO.

V7412-4

SAMPLE(S) OF

SOIL & STREAM SEDIMENT

RESULTS IN PARTS PER MILLION

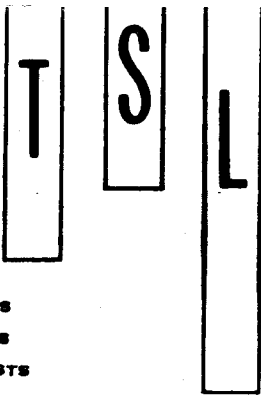
	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Co
1	61			143			11	
2	62			60			9	
3	63			49			7	
4	64			63			5	
5	65			85			3	
6	66			132			4	
7	67			130			7	
8	68			196			8	
9	69			131			7	
0	70			122			5	
1	71			30			4	
2	72			109			4	
3	73			71			5	
4	74			81			7	
5	75			82			6	
6	76			40			8	
7	77			90			5	
8	78			123			7	
9	79			65			3	
0	80			57			8	

DATE April 30, 1970

SIGNED \_\_\_\_\_

N.B. Samples discarded after 3 months unless otherwise requested.





# Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEX: 04-50613  
CODE NAME: TSL-LABS-VCR.

TELEPHONE 688-3504  
AREA CODE 604

ASSAYERS  
CHEMISTS  
GEOCHEMISTS

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM *W.S. READ*

REPORT NO.  
*V7412-5*

SAMPLE(S) OF

*SOIL + STREAM SEDIMENT*

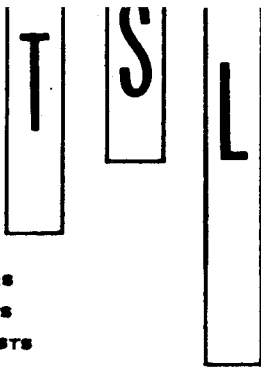
RESULTS IN PARTS PER MILLION

	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Co
1	81			43			3	
2	82			100			9	
3	83			188			8	
4	84			131			7	
5	85			130			6	
6	86			46			5	
7	87			179			7	
8	88			128			5	
9	89			89			6	
0	90			92			11	
1	91			61			7	
2	92			66			9	
3	93			159			7	
4	94			100			8	
5	95			126			7	
6	96			75			10	
7	97			99			11	
8	98			90			2	
9	99			87			9	
0	100			69			11	

DATE *April 30 1970*

SIGNED 





# Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEX: 04-50613  
CODE NAME: TSL-LABS-VCR.

TELEPHONE 688-3504  
AREA CODE 604

ASSAYERS  
CHEMISTS  
GEOCHEMISTS

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM *W.S. READ*

REPORT NO.  
*V 7412-6*

SAMPLE(S) OF

*SOIL \* STREAM SEDIMENT*

RESULTS IN PARTS PER MILLION

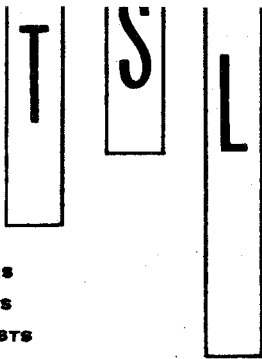
	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Co
1	<i>101</i>			<i>78</i>			<i>7</i>	
2	<i>102</i>			<i>18</i>			<i>8</i>	
3	<i>103</i>			<i>38</i>			<i>6</i>	
4	<i>104</i>			<i>112</i>			<i>8</i>	
5	<i>105</i>			<i>59</i>			<i>4</i>	
6	<i>106</i>			<i>57</i>			<i>9</i>	
7	<i>107</i>			<i>110</i>			<i>6</i>	
8	<i>108</i>			<i>27</i>			<i>4</i>	
9	<i>109</i>			<i>253</i>			<i>5</i>	
0	<i>110</i>			<i>188</i>			<i>6</i>	
1	<i>111</i>			<i>118</i>			<i>6</i>	
2	<i>112</i>			<i>92</i>			<i>7</i>	
3	<i>113</i>			<i>115</i>			<i>4</i>	
4	<i>114</i>			<i>126</i>			<i>5</i>	
5	<i>115</i>			<i>113</i>			<i>4</i>	
6	<i>116</i>			<i>132</i>			<i>9</i>	
7	<i>117</i>			<i>150</i>			<i>8</i>	
8	<i>118</i>			<i>230</i>			<i>5</i>	
9	<i>119</i>			<i>99</i>			<i>6</i>	
0	<i>120</i>			<i>78</i>			<i>8</i>	

DATE *April 30 1970*

SIGNED

N.B. Samples discarded after 3 months unless otherwise requested.





# Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEX: 04-50613  
CODE NAME: TSL-LABS-VCR.

TELEPHONE 688-3504  
AREA CODE 604

ASSAYERS  
CHEMISTS  
GEOCHEMISTS

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM *W.S. BEAD*

REPORT NO.

*✓ 7412-7*

SAMPLE(S) OF

*SOIL • STREAM SEDIMENT*

RESULTS IN PARTS PER MILLION

	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Co
1	<i>121</i>			<i>81</i>			<i>6</i>	
2	<i>122</i>			<i>75</i>			<i>8</i>	
3	<i>123</i>			<i>84</i>			<i>7</i>	
4	<i>124</i>			<i>88</i>			<i>9</i>	
5	<i>125</i>			<i>101</i>			<i>2</i>	
6	<i>126</i>			<i>215</i>			<i>7</i>	
7	<i>127</i>			<i>120</i>			<i>8</i>	
8	<i>128</i>			<i>99</i>			<i>7</i>	
9	<i>129</i>			<i>68</i>			<i>3</i>	
0	<i>130</i>			<i>77</i>			<i>7</i>	
1	<i>131</i>			<i>50</i>			<i>4</i>	
2	<i>132</i>			<i>99</i>			<i>4</i>	
3	<i>133</i>			<i>90</i>			<i>5</i>	
4	<i>134</i>			<i>96</i>			<i>3</i>	
5	<i>135</i>			<i>62</i>			<i>5</i>	
6	<i>136</i>			<i>119</i>			<i>4</i>	
7	<i>137</i>			<i>109</i>			<i>6</i>	
8	<i>138</i>			<i>111</i>			<i>4</i>	
9	<i>139</i>			<i>152</i>			<i>3</i>	
0	<i>140</i>			<i>85</i>			<i>6</i>	

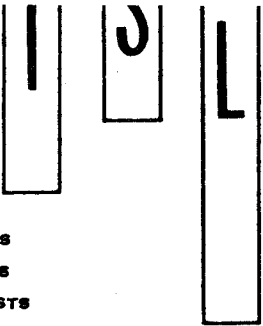
DATE *April 30, 1970*

SIGNED

N.B. Samples discarded after 3 months unless otherwise requested.







# Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEX: 04-50613  
CODE NAME: TSL-LABS-VCR.

TELEPHONE 688-3504  
AREA CODE 604

ASSAYERS  
CHEMISTS  
GEOCHEMISTS

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM *W. S. READ*

REPORT NO.  
*V 7412-8*

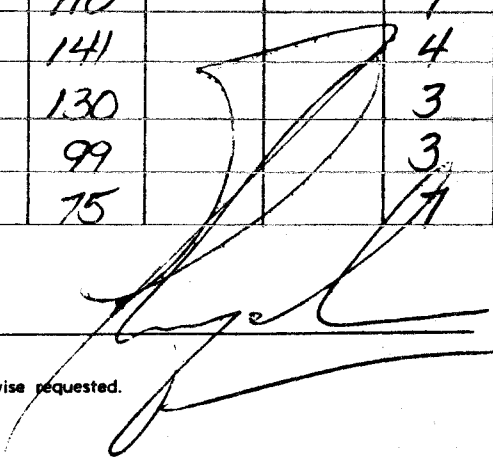
SAMPLE(S) OF

*SOIL + STREAM SEDIMENT*

RESULTS IN PARTS PER MILLION

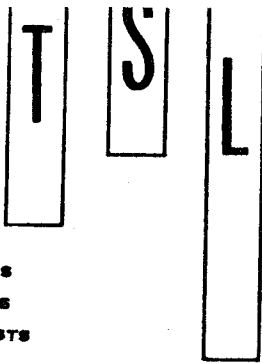
	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Co
1	<i>141</i>			<i>76</i>			<i>5</i>	
2	<i>142</i>			<i>45</i>			<i>4</i>	
3	<i>143</i>			<i>83</i>			<i>6</i>	
4	<i>144</i>			<i>92</i>			<i>7</i>	
5	<i>145</i>			<i>159</i>			<i>8</i>	
6	<i>146</i>			<i>190</i>			<i>4</i>	
7	<i>147</i>			<i>111</i>			<i>6</i>	
8	<i>148</i>			<i>73</i>			<i>5</i>	
9	<i>149</i>			<i>109</i>			<i>7</i>	
0	<i>150</i>			<i>89</i>			<i>5</i>	
1	<i>151</i>			<i>57</i>			<i>6</i>	
2	<i>152</i>			<i>90</i>			<i>6</i>	
3	<i>153</i>			<i>75</i>			<i>7</i>	
4	<i>154</i>			<i>49</i>			<i>6</i>	
5	<i>155</i>			<i>66</i>			<i>5</i>	
6	<i>156</i>			<i>110</i>			<i>7</i>	
7	<i>157</i>			<i>141</i>			<i>4</i>	
8	<i>158</i>			<i>130</i>			<i>3</i>	
9	<i>159</i>			<i>99</i>			<i>3</i>	
0	<i>160</i>			<i>75</i>			<i>7</i>	

DATE *April 30, 1970*

SIGNED 

N.B. Samples discarded after 3 months unless otherwise requested.





# Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.

TELEX: 04-50613  
CODE NAME: TSL-LABS-VCR.

TELEPHONE 688-3504  
AREA CODE 604

ASSAYERS  
CHEMISTS  
GEOCHEMISTS

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM *W. S. READ*

REPORT NO.

*V 7412-9*

SAMPLE(S) OF

*SOIL & STREAM SEDIMENT*

RESULTS IN PARTS PER MILLION

	SAMPLE No	Cu	Pb	Zn	Ag	Ni	Mo	Co
1	<i>161</i>			<i>35</i>			<i>6</i>	
2	<i>162</i>			<i>66</i>			<i>5</i>	
3	<i>163</i>			<i>89</i>			<i>7</i>	
4	<i>164</i>			<i>85</i>			<i>5</i>	
5	<i>165</i>			<i>123</i>			<i>11</i>	
6	<i>166</i>			<i>114</i>			<i>4</i>	
7	<i>167</i>			<i>121</i>			<i>6</i>	
8	<i>168</i>			<i>115</i>			<i>7</i>	
9	<i>169</i>			<i>81</i>			<i>2</i>	
0	<i>170</i>			<i>102</i>			<i>11</i>	
1	<i>171</i>			<i>30</i>			<i>2</i>	
2	<i>172</i>			<i>156</i>			<i>7</i>	
3	<i>173</i>			<i>57</i>			<i>5</i>	
4	<i>174</i>			<i>80</i>			<i>6</i>	
5	<i>175</i>			<i>107</i>			<i>4</i>	
6	<i>176</i>			<i>53</i>			<i>5</i>	
7	<i>177</i>			<i>80</i>			<i>2</i>	
8	<i>178</i>			<i>146</i>			<i>4</i>	
9	<i>179</i>			<i>101</i>			<i>6</i>	
0	<i>180</i>			<i>77</i>			<i>1</i>	

DATE *April 30, 1970*

SIGNED 

N.B. Samples discarded after 3 months unless otherwise requested.

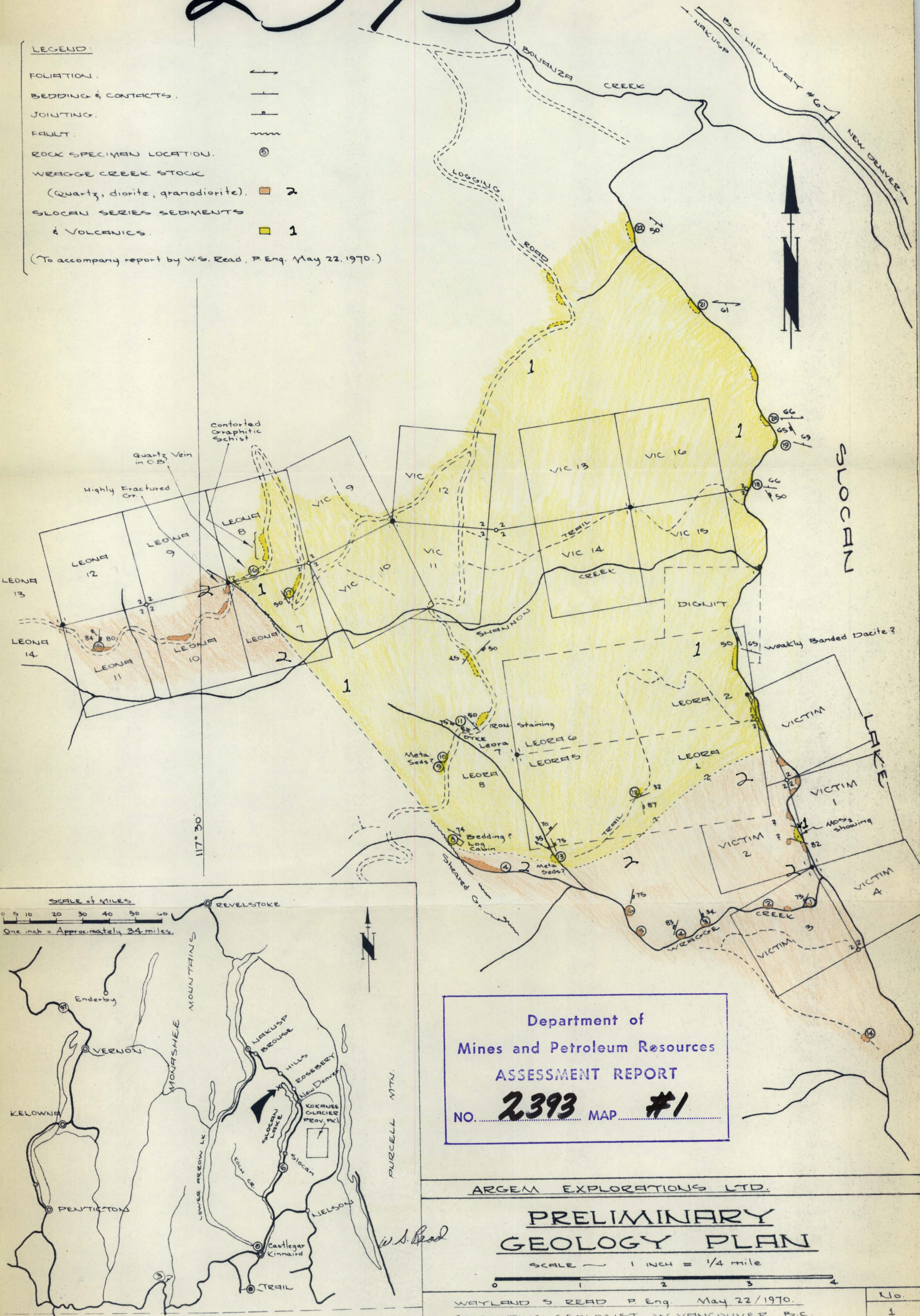


# 2393

**LEGEND:**

- FOLIATION.
- BEDDING & CONTACTS.
- JOINTING.
- FAULT.
- ROCK SPECIMAN LOCATION.
- WRAGGE CREEK STOCK  
(Quartz, diorite, granodiorite). 2
- SLOCAN SERIES SEDIMENTS  
& VOLCANICS. 1

(To accompany report by W.S. Read, P. Eng. May 22, 1970.)



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **2393** MAP **#1**

ARGEM EXPLORATIONS LTD.

**PRELIMINARY  
GEOLOGY PLAN**

SCALE ~ 1 INCH = 1/4 mile

0 1 2 3 4

WAYLAND S. READ P. Eng. May 22/1970.  
CONSULTING GEOLOGIST, W. VANCOUVER, B.C.

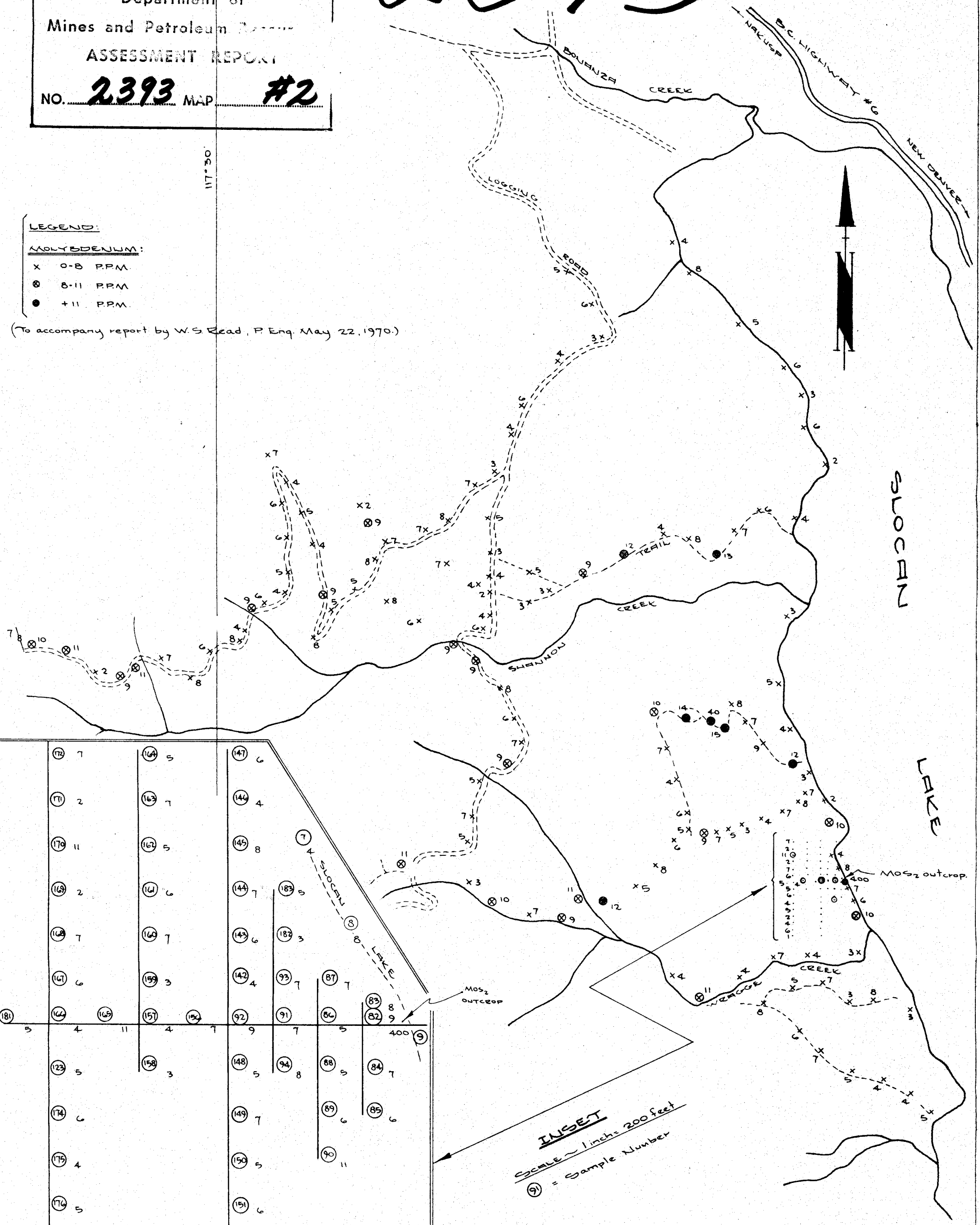
No. 1

# 2393

Department of  
Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
NO. **2393** MAP **#2**

**LEGEND:**  
**MOLYBDENUM:**  
x 0-8 P.P.M.  
⊗ 8-11 P.P.M.  
● +11 P.P.M.

(To accompany report by W.S. Read, P. Eng. May 22, 1970.)



170	7	164	5	147	6
171	2	163	7	144	4
170	11	162	5	145	8
169	2	161	6	144	7
168	7	160	7	143	6
167	6	159	3	142	4
166	6	158	3	141	7
165	6	157	4	140	7
164	6	156	4	139	7
163	6	155	4	138	7
162	6	154	4	137	7
161	6	153	4	136	7
160	6	152	4	135	7
159	6	151	4	134	7
158	6	150	4	133	7
157	6	149	4	132	7
156	6	148	4	131	7
155	6	147	4	130	7
154	6	146	4	129	7
153	6	145	4	128	7
152	6	144	4	127	7
151	6	143	4	126	7
150	6	142	4	125	7
149	6	141	4	124	7
148	6	140	4	123	7
147	6	139	4	122	7
146	6	138	4	121	7
145	6	137	4	120	7
144	6	136	4	119	7
143	6	135	4	118	7
142	6	134	4	117	7
141	6	133	4	116	7
140	6	132	4	115	7
139	6	131	4	114	7
138	6	130	4	113	7
137	6	129	4	112	7
136	6	128	4	111	7
135	6	127	4	110	7
134	6	126	4	109	7
133	6	125	4	108	7
132	6	124	4	107	7
131	6	123	4	106	7
130	6	122	4	105	7
129	6	121	4	104	7
128	6	120	4	103	7
127	6	119	4	102	7
126	6	118	4	101	7
125	6	117	4	100	7
124	6	116	4	99	7
123	6	115	4	98	7
122	6	114	4	97	7
121	6	113	4	96	7
120	6	112	4	95	7
119	6	111	4	94	7
118	6	110	4	93	7
117	6	109	4	92	7
116	6	108	4	91	7
115	6	107	4	90	7
114	6	106	4	89	7
113	6	105	4	88	7
112	6	104	4	87	7
111	6	103	4	86	7
110	6	102	4	85	7
109	6	101	4	84	7
108	6	100	4	83	7
107	6	99	4	82	7
106	6	98	4	81	7
105	6	97	4	80	7
104	6	96	4	79	7
103	6	95	4	78	7
102	6	94	4	77	7
101	6	93	4	76	7
100	6	92	4	75	7
99	6	91	4	74	7
98	6	90	4	73	7
97	6	89	4	72	7
96	6	88	4	71	7
95	6	87	4	70	7
94	6	86	4	69	7
93	6	85	4	68	7
92	6	84	4	67	7
91	6	83	4	66	7
90	6	82	4	65	7
89	6	81	4	64	7
88	6	80	4	63	7
87	6	79	4	62	7
86	6	78	4	61	7
85	6	77	4	60	7
84	6	76	4	59	7
83	6	75	4	58	7
82	6	74	4	57	7
81	6	73	4	56	7
80	6	72	4	55	7
79	6	71	4	54	7
78	6	70	4	53	7
77	6	69	4	52	7
76	6	68	4	51	7
75	6	67	4	50	7
74	6	66	4	49	7
73	6	65	4	48	7
72	6	64	4	47	7
71	6	63	4	46	7
70	6	62	4	45	7
69	6	61	4	44	7
68	6	60	4	43	7
67	6	59	4	42	7
66	6	58	4	41	7
65	6	57	4	40	7
64	6	56	4	39	7
63	6	55	4	38	7
62	6	54	4	37	7
61	6	53	4	36	7
60	6	52	4	35	7
59	6	51	4	34	7
58	6	50	4	33	7
57	6	49	4	32	7
56	6	48	4	31	7
55	6	47	4	30	7
54	6	46	4	29	7
53	6	45	4	28	7
52	6	44	4	27	7
51	6	43	4	26	7
50	6	42	4	25	7
49	6	41	4	24	7
48	6	40	4	23	7
47	6	39	4	22	7
46	6	38	4	21	7
45	6	37	4	20	7
44	6	36	4	19	7
43	6	35	4	18	7
42	6	34	4	17	7
41	6	33	4	16	7
40	6	32	4	15	7
39	6	31	4	14	7
38	6	30	4	13	7
37	6	29	4	12	7
36	6	28	4	11	7
35	6	27	4	10	7
34	6	26	4	9	7
33	6	25	4	8	7
32	6	24	4	7	7
31	6	23	4	6	7
30	6	22	4	5	7
29	6	21	4	4	7
28	6	20	4	3	7
27	6	19	4	2	7
26	6	18	4	1	7
25	6	17	4	0	7
24	6	16	4		7
23	6	15	4		7
22	6	14	4		7
21	6	13	4		7
20	6	12	4		7
19	6	11	4		7
18	6	10	4		7
17	6	9	4		7
16	6	8	4		7
15	6	7	4		7
14	6	6	4		7
13	6	5	4		7
12	6	4	4		7
11	6	3	4		7
10	6	2	4		7
9	6	1	4		7
8	6	0	4		7
7	6		4		7
6	6		4		7
5	6		4		7
4	6		4		7
3	6		4		7
2	6		4		7
1	6		4		7
0	6		4		7

ARGEM EXPLORATIONS LTD.  
**GEOCHEMICAL PLAN - MOLYBDENUM**  
SCALE: ~ 1 INCH = 1/4 MILE  
WAYLAND S READ P. Eng. May 22/1970.  
CONSULTING GEOLOGIST, W. VANCOUVER, B.C.

No. 2

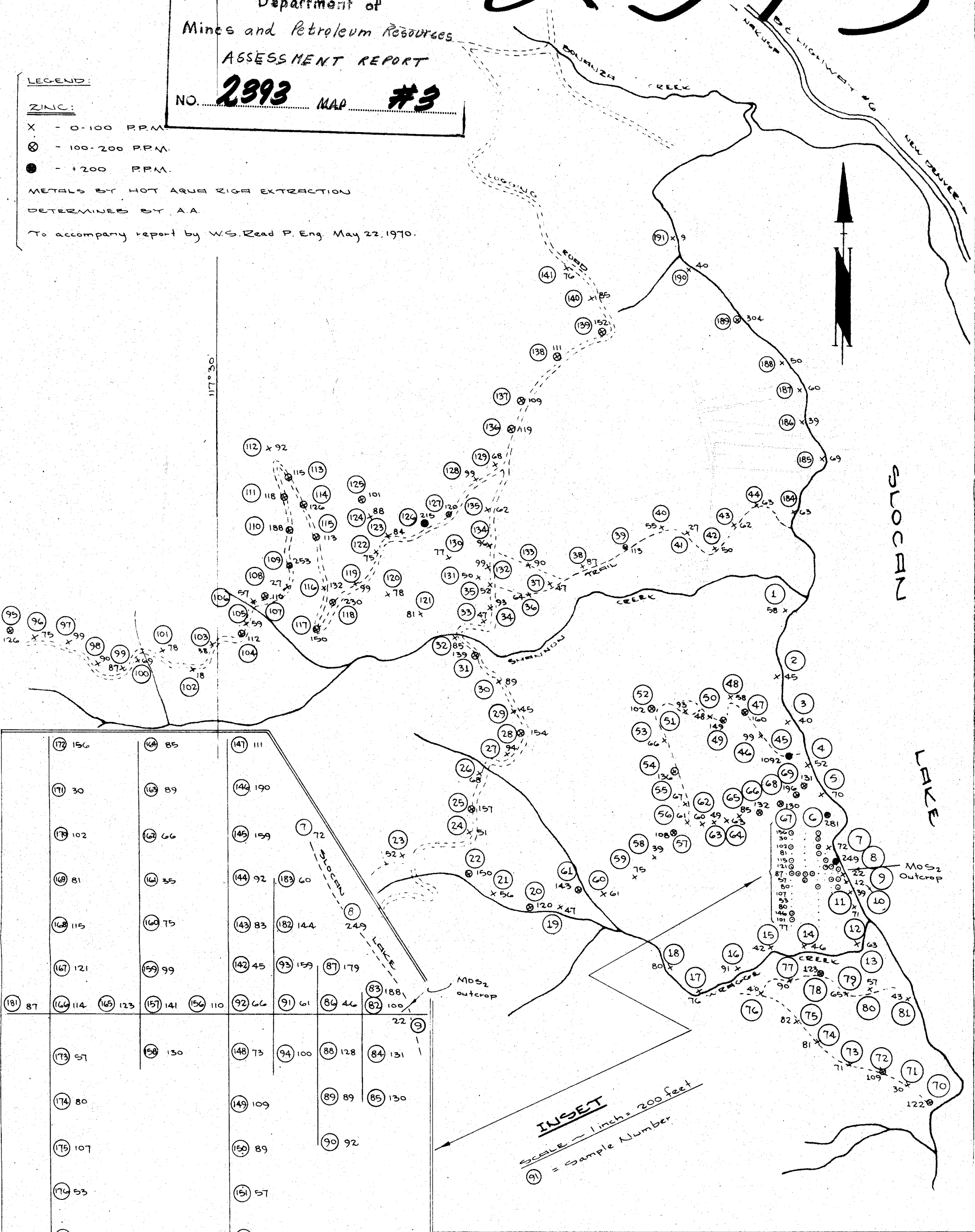
# 2393

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **2393** MAP #3

**LEGEND:**

- ZINC:**  
 X - 0-100 P.P.M.  
 ⊗ - 100-200 P.P.M.  
 ● - +200 P.P.M.

METALS BY HOT AQUA REGIA EXTRACTION  
 DETERMINED BY A.A.  
 To accompany report by W.S. Read P. Eng. May 22, 1970.



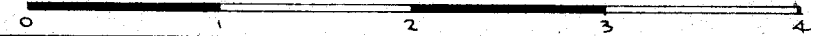
172	156	169	85	147	111
171	30	168	89	146	190
170	102	167	66	145	159
169	81	166	35	144	92
168	115	165	75	143	83
167	121	164	99	142	45
166	114	163	123	141	110
165	87	162	141	140	66
164	114	161	141	139	61
163	114	160	123	138	46
162	114	159	141	137	188
161	114	158	130	136	100
160	114	157	130	135	22
159	114	156	130	134	92
158	114	155	130	133	88
157	114	154	130	132	128
156	114	153	130	131	131
155	114	152	130	130	100
154	114	151	130	129	89
153	114	150	130	128	89
152	114	149	130	127	92
151	114	148	130	126	57
150	114	147	130	125	90
149	114	146	130	124	90
148	114	145	130	123	57
147	114	144	130	122	57
146	114	143	130	121	90
145	114	142	130	120	90
144	114	141	130	119	90
143	114	140	130	118	90
142	114	139	130	117	90
141	114	138	130	116	90
140	114	137	130	115	90
139	114	136	130	114	90
138	114	135	130	113	90
137	114	134	130	112	90
136	114	133	130	111	90
135	114	132	130	110	90
134	114	131	130	109	90
133	114	130	130	108	90
132	114	129	130	107	90
131	114	128	130	106	90
130	114	127	130	105	90
129	114	126	130	104	90
128	114	125	130	103	90
127	114	124	130	102	90
126	114	123	130	101	90
125	114	122	130	100	90
124	114	121	130	99	90
123	114	120	130	98	90
122	114	119	130	97	90
121	114	118	130	96	90
120	114	117	130	95	90
119	114	116	130	94	90
118	114	115	130	93	90
117	114	114	130	92	90
116	114	113	130	91	90
115	114	112	130	90	90
114	114	111	130	89	90
113	114	110	130	88	90
112	114	109	130	87	90
111	114	108	130	86	90
110	114	107	130	85	90
109	114	106	130	84	90
108	114	105	130	83	90
107	114	104	130	82	90
106	114	103	130	81	90
105	114	102	130	80	90
104	114	101	130	79	90
103	114	100	130	78	90
102	114	99	130	77	90
101	114	98	130	76	90
100	114	97	130	75	90
99	114	96	130	74	90
98	114	95	130	73	90
97	114	94	130	72	90
96	114	93	130	71	90
95	114	92	130	70	90

**INSET**  
 SCALE ~ 1 inch = 200 feet  
 ⊗ = Sample Number

ARGEM EXPLORATIONS LTD

**GEOCHEMICAL  
 PLAN - ZINC**

SCALE ~ 1 inch = 1/4 MILE



WAYLAND S. READ P. Eng. May 22/1970.  
 CONSULTING GEOLOGIST W. VANCOUVER, B.C.

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **2393** MAP **#4**

**2393**

ZINC ~ P.P.M.

ARGEM EXPLORATIONS LTD.

ASSAY  
PROFILES

WAYLAND S. READ P. Eng. May 22/1970  
CONSULTING GEOLOGIST - V. VANCOUVER, B.C.

No  
4

(To accompany report by W.S. Read, P. Eng. May 22, 1970.)

*W.S. Read*

