

## PROPERTY SUBMITTAL

January 1993

**PROPERTY:** Genesis 1-24 (49 units)

**OWNERS:** L. Grexton (60%), H. Oiyé (40%)

**LOCATION:** 35 km south of Kamloops, B.C.

**ACCESS:** from Kamloops via the Coquihalla Highway or the Lac Le Jeune service road

**TARGET:** Copper (Gold) Porphyry

**REGIONAL SETTING:** A strong north-northeast trending regional fault forms the boundary between Triassic Nicola Gp. volcanic rocks and the Jurassic-Cretaceous Nicola Batholith. On the western flank of the Nicola Batholith, along the east side of the fault, Nicola Gp. metamorphic and sedimentary rocks, alkaline intrusions of uncertain age and Paleozoic schist are present.

**PROPERTY GEOLOGY:** Government mapping indicates metamorphosed Nicola Gp. rocks predominate. The strong north-northeast trending regional fault forms the boundary with unmetamorphosed Nicola Gp. volcanic rocks to the west. A small apophysis of the Nicola Batholith granodiorite-quartz monzonite occurs along the southeast claim boundary. Exposure is poor and only metabasaltic rocks were observed during staking.

**AEROMAGNETICS:** A subcircular magnetic high, 500 gammas over background and roughly 4 km in diameter occupies the southwest half of the property. A magnetic low is present in the northeast half.

**GEOCHEMISTRY:** A 1972 soil sampling program found strongly anomalous copper (maximum 1200 ppm) over a 4 km<sup>2</sup> area. Sampling was limited to the northeast portion of the current Genesis property.

**COMMENTS:** Source of the moderate aeromagnetic anomaly is likely an alkaline intrusion with similarities to rocks of the Iron Mask Batholith. Supporting evidence is as follows:

- (a) Elsewhere in the Quesnellia Terrane, small alkaline intrusions exhibit moderate, subcircular, positive magnetic features.
- (b) Areas underlain by rocks of the Guichon and Iron Mask Batholiths exhibit moderate to strong, complex magnetic features.
- (c) Rocks of the Nicola Batholith have a flat or low magnetic response.
- (d) Government maps show alkaline intrusions occurring northeast and south of the property.
- (e) A granite sill and diorite intrusions are reported on the former Plug claims, 2 km north of the property.

Majority of known mineral occurrences and deposits in the region are directly associated with intrusive rocks and, in particular, with rocks of the Guichon and Iron Mask Batholiths.

Significant gold values (maximum 700 ppb) were found in soils on the former Plug claims.

No I.P. survey has been completed on the property.

According to government records, previous work on the claim area is limited to 1972 soil and magnetic surveys in the northeast portion of the current claims.

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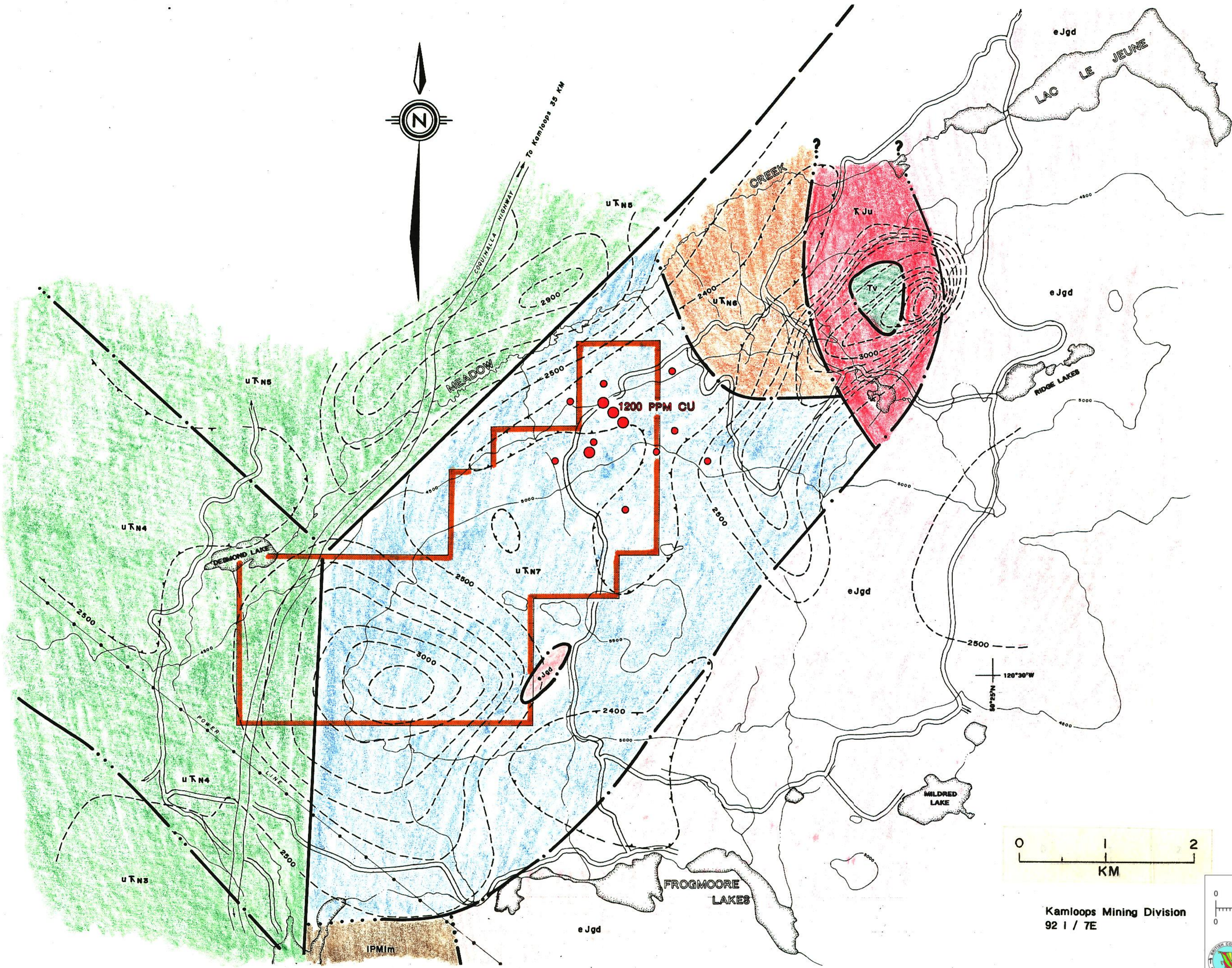


**BRITISH COLUMBIA**

0 40 80 120 160 200  
KMS

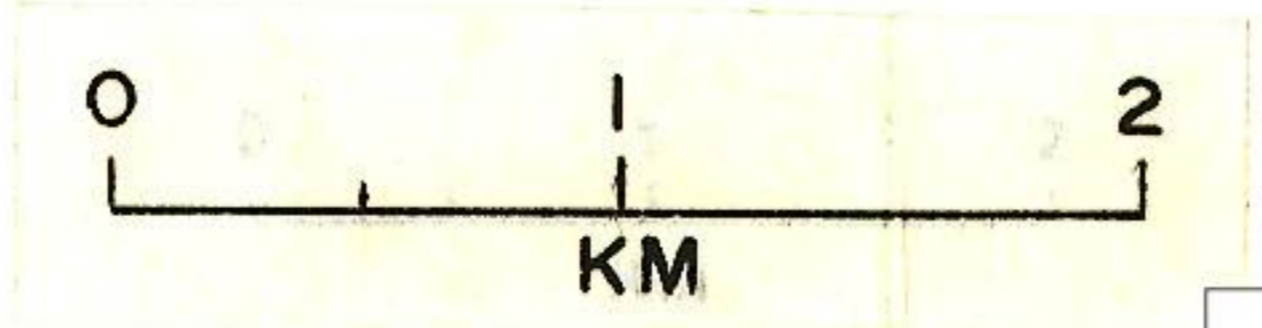
**LOCATION MAP**



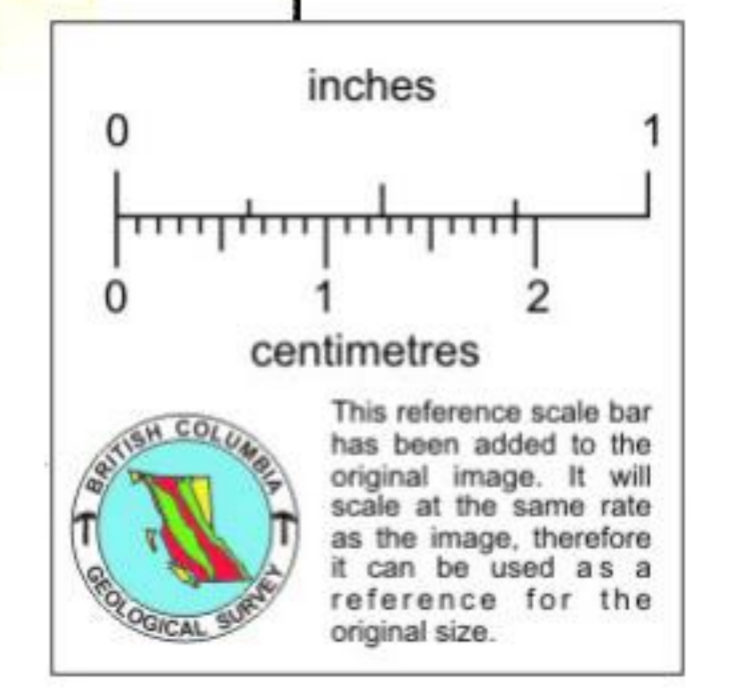


**LEGEND**

- TERTIARY**  
Basalt
- JURASSIC & CRETACEOUS**  
Nicola Batholith - Granodiorite, quartz monzonite
- TRIASSIC & JURASSIC**  
Ultramafic intrusions of uncertain age
- TRIASSIC**  
**NICOLA GROUP**
- uTn3**  
Intermediate (augite, plagioclase) volcanic porphyry, sedimentary rocks
- uTn4**  
Pillowed basalt
- uTn5**  
Volcanic (augite) porphyry, argillite
- uTn6**  
Sedimentary rocks
- uTn7**  
Foliated diorite, amphibolite; metamorphic equivalents to N5 & N6
- IPMim**  
Schist
- Fault
- Geologic contact
- 1972 SOIL SURVEY HIGHLIGHTS**  
≥ 500 ppm Cu **MAXIMUM 1200 PPM COPPER**
- 350 - 499 ppm Cu
- AEROMAGNETIC RESPONSE - 100 GAMMA CONTOUR INTERVAL**
- GENESIS 1-24 PROPERTY BOUNDARY**
- Topographic contour, feet a.s.l.
- Creek
- Lake or pond
- Logging or secondary road

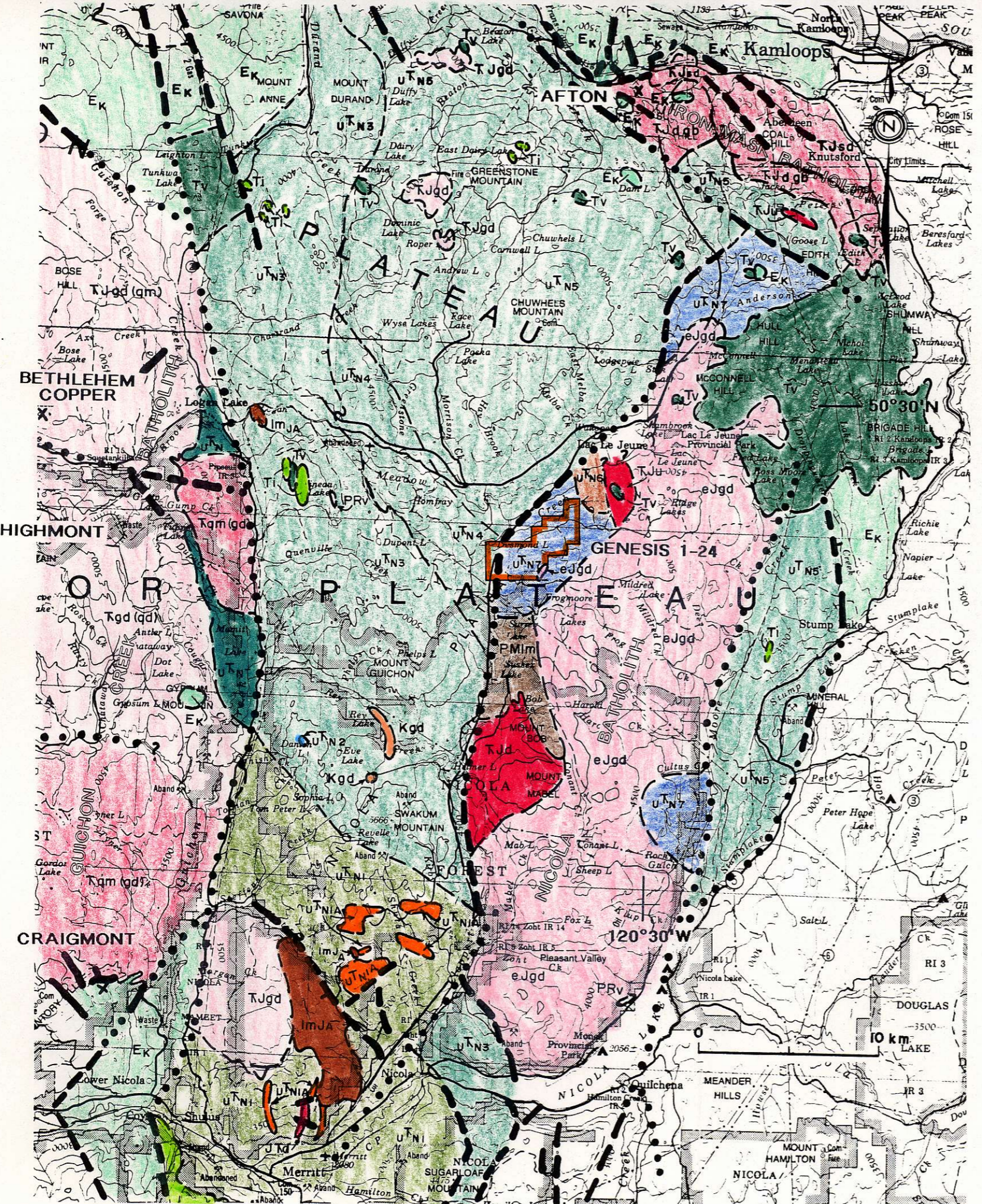


Kamloops Mining Division  
92 I / 7E



**GENESIS PROPERTY  
TARGET SUMMARY**





# LEGEND

	<b>QUATERNARY</b> Basalt
	<b>TERTIARY</b> Basalt
	Intermediate intrusive rocks
	<b>KAMLOOPS GP.</b> Mafic-acid volcanic rocks, local sedimentary rocks
	<b>CRETACEOUS</b> Granodiorite
	<b>JURASSIC &amp; CRETACEOUS</b> ASHCROFT FM. Sedimentary rocks
	Granodiorite, quartz monzonite
	<b>TRIASSIC &amp; JURASSIC</b> GUICHON CREEK BATHOLITH & similar rocks. Quartz monzonite, granodiorite, quartz diorite, minor diorite
	<b>IRON MASK BATHOLITH &amp; similar alkaline intrusions.</b> Syenite, diorite, gabbro
	Alkaline intrusions of uncertain age, partly coeval with Iron Mask Batholith. Syenite, diorite, gabbro, ultramafic
	<b>TRIASSIC</b> <b>NICOLA GP.</b> Undifferentiated
	Mafic-acidic volcanic rocks, sedimentary rocks
	Acidic volcanic rocks
	Carbonate
	Intermediate (augite-plagioclase) volcanic porphyry, sedimentary rocks
	Pillowed basic flows
	Volcanic (augite) porphyry, argillite
	Sedimentary rock
	Foliated diorite, amphibolite, metamorphic equivalents to N5 & N6
	<b>PALEOZOIC &amp; MESOZOIC</b> Schist
	Fault
	Geological contact
	Copper deposit

# REGIONAL GEOLOGY

From GSC O.F. 980



**WRT**  
 1988 VLF, MAG., Soil Surveys  
 Reevaluation of PLUG anomalies.  
 Maximum Cu = 121 ppm. Maximum Au = 700 ppb.  
 Total samples collected = 289  
 16 km Grid (Meadow Creek)  
 50°27'N  
 120°38'W  
 WESTERN RESOURCE TECHNOLOGIES  
 A.R. 17337

**PLUG (expired)**  
 1972 I.P., MAG., Soil Surveys  
 100 - 143 ppm Cu  
 Total samples collected = 268  
 16 km Grid

Outlined diorite intruding volcanics and quartz feldspar porphyry, cut by granite porphyry sill. Minor galena, sphalerite and chalcopryite in quartz mariposite schist. Drilling tested 30 m thick pyritic quartz feldspar porphyry sill hosting minor chalcopryite. No assays.  
 I.P. chargeability increases with depth.  
 8 Percussion drill holes, 427 m  
 TEXADA MINES  
 A.R. 4041, 4042

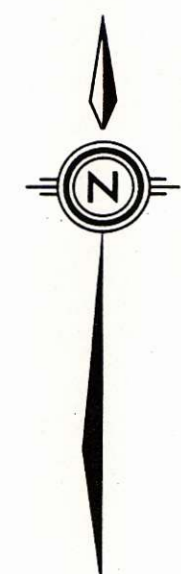
**DES**  
 1989 Diamond Drilling  
 Native copper reported in drill core and in at least one surface exposure.  
 7 Drill holes, 2046 m  
 MENIKA MINING  
 A.R. 19140

**LUK (expired)**  
 1988 VLF, MAG., Soil Surveys  
 350 - 499 ppm Cu  
 250 - 349 ppm Cu  
 100 - 249 ppm Cu  
 Total samples analysed = 220  
 36 km Grid  
 Outlined intrusive-volcanic contact and 21 EM conductors with predominate NW and EW trends.  
 LUKEN RESOURCES  
 A.R. 18274

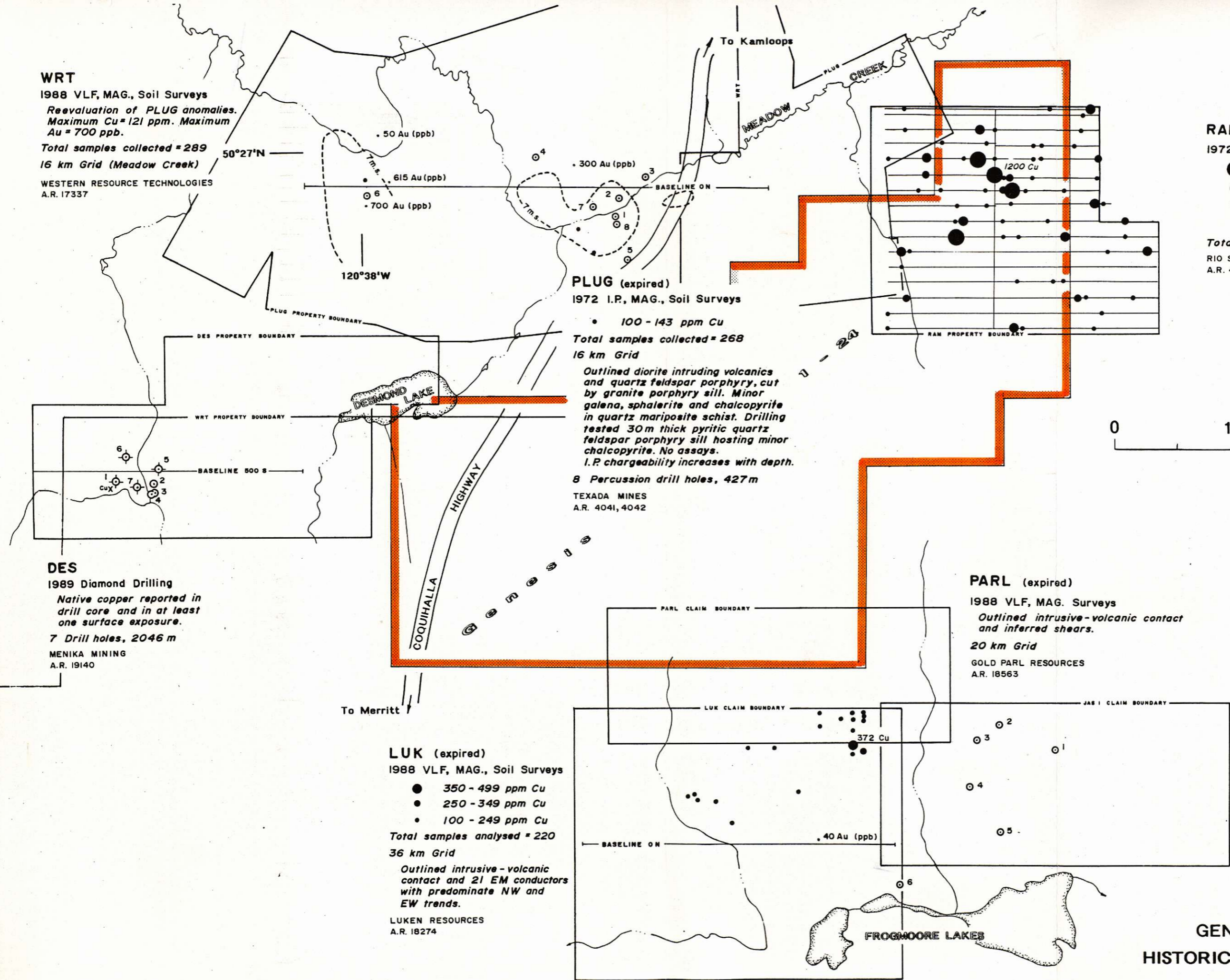
**PARL (expired)**  
 1988 VLF, MAG. Surveys  
 Outlined intrusive-volcanic contact and inferred shears.  
 20 km Grid  
 GOLD PARL RESOURCES  
 A.R. 18563

**JAS I (expired)**  
 1977 Percussion Drilling  
 Tested coincident copper anomaly - magnetic low, and I.P. anomalies. No drilling directly on soil anomaly due to inaccessibility. Outlined schist and hornfelsed argillite with heavy pyrite locally.  
 6 Drill holes, 310 m  
 BETHLEHEM COPPER  
 A.R. 6338

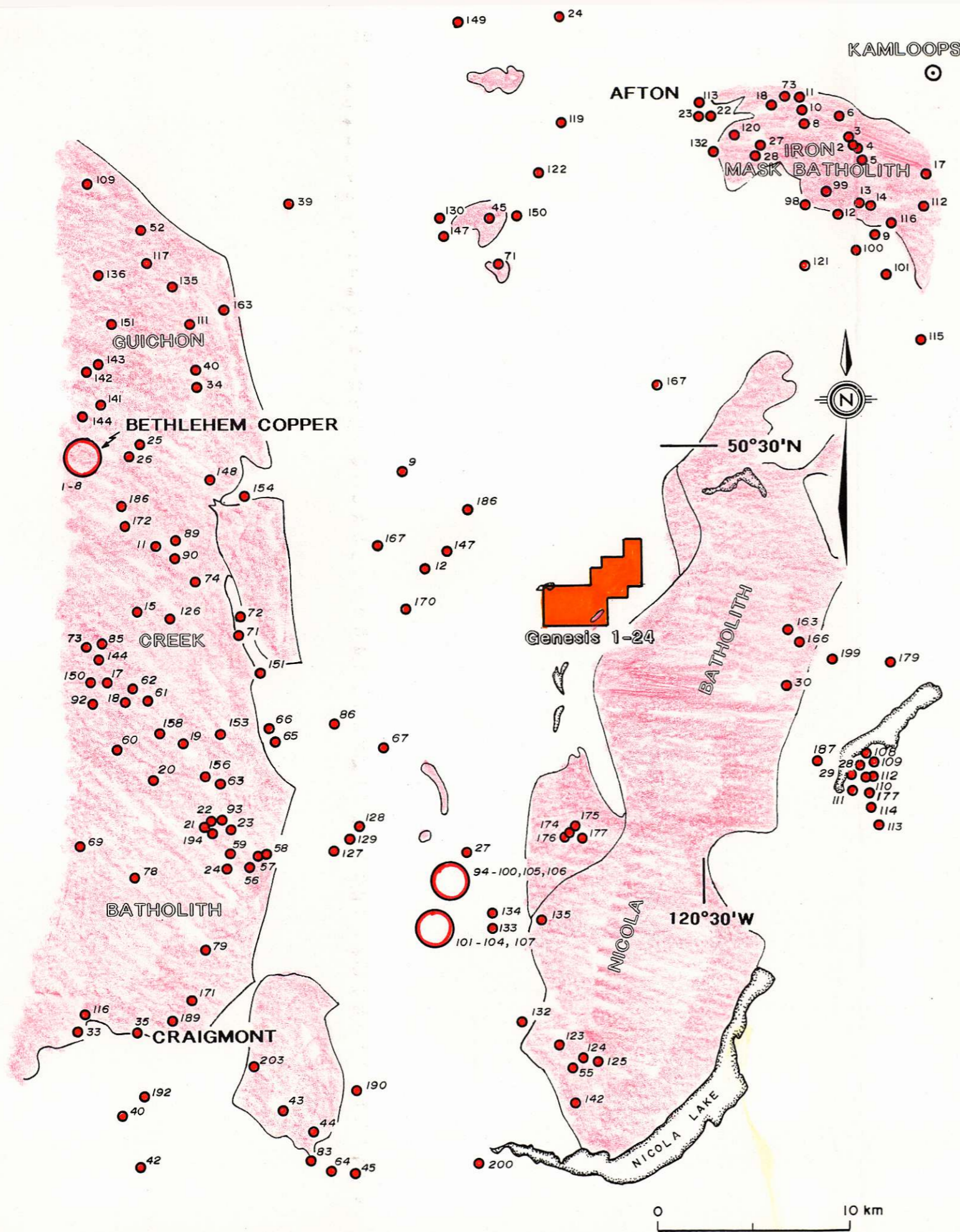
**RAM (expired)**  
 1972 Soil Survey  
 ≥ 500 ppm Cu  
 350 - 499 ppm Cu  
 250 - 349 ppm Cu  
 100 - 249 ppm Cu  
 Total samples collected = 522  
 RIO SIERRA DEVELOPMENTS  
 A.R. 4222



**GENESIS PROPERTY  
 HISTORICAL ASSESSMENT DATA**







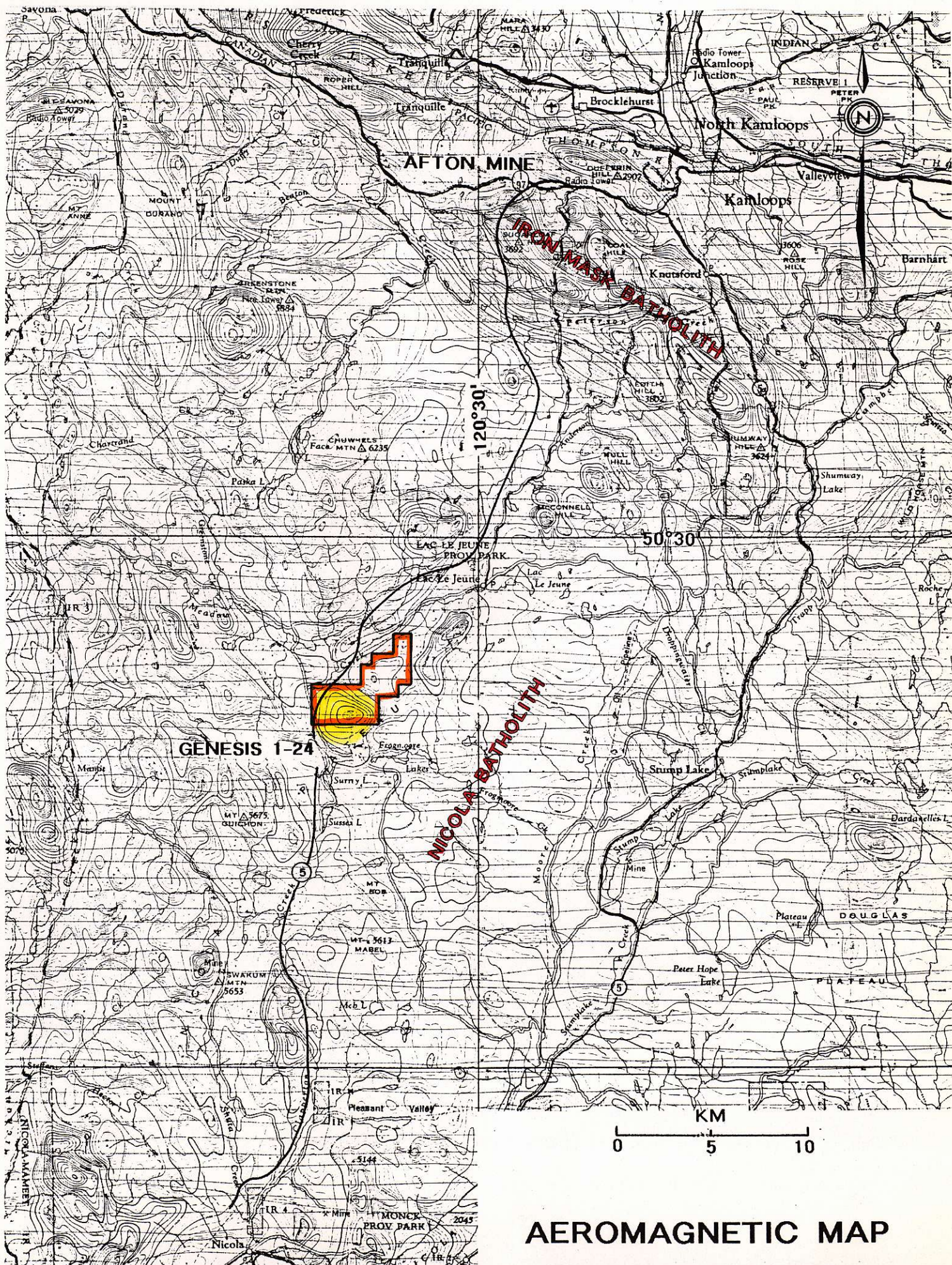
92 | NORTHEAST

2. Python Cu Ag Au Fl
3. Orphan Boy Cu Au Ag
4. Noon Day Cu Au Ag Mo
5. Lost Chord Cu Mo
6. OK Cu Au
8. Lucky Strike Cu Ag
9. Windsor Cu
10. Iron Mask - Erin Cu Au Ag Gy
11. Larsen Cu Au Ag
12. Ajax Cu Au Ag Mo
13. Wheel Tamar Cu Au Ag Mo
14. Monte Carlo Cu Au Ag
17. Kimberly Cu Au Ag
22. Cliff Gift Fe
23. Afton - Pothook Cu Au Ag Mo
24. Copper King Cu
25. Glen Iron Cu Au Ag
27. Lonetree Cu Fe Ag Au Mo
28. Rainbow Cu Ag Mo
34. JB Cu Mo
39. Tunkwa Lake Hg Sb Ag Cu
40. Outrider 16 Cu
45. Bruce Cu Mo
52. For Cu
70. Hansen Hg
71. TC Spur Cu Mo
98. Rogers Cu Ag
99. No. 7 Fe Cu
100. Gold Plate Pb Cu Ag Au
101. Chance Cu Pb Au
109. Jo Cu
111. RM Cu
112. IM Cu
113. Afton - Dominion Cu
115. Mot Cu (Au)
116. Budd Cu
117. Pod Cu
119. Led 17 Cu Mo
120. DM 62 Cu
121. Tar Cu
122. Led 31 Cu Mo
130. Rag 73 Cu Mo
132. Karen Cu
135. WDR Cu
136. Lux Cu
141. Showing A Cu Fe
142. Showing B Cu
143. Showing C Cu
144. Lodge Cu Mo Fe
149. YR Cu
150. Ned Cu
151. Burl Cu

92 | SOUTHEAST

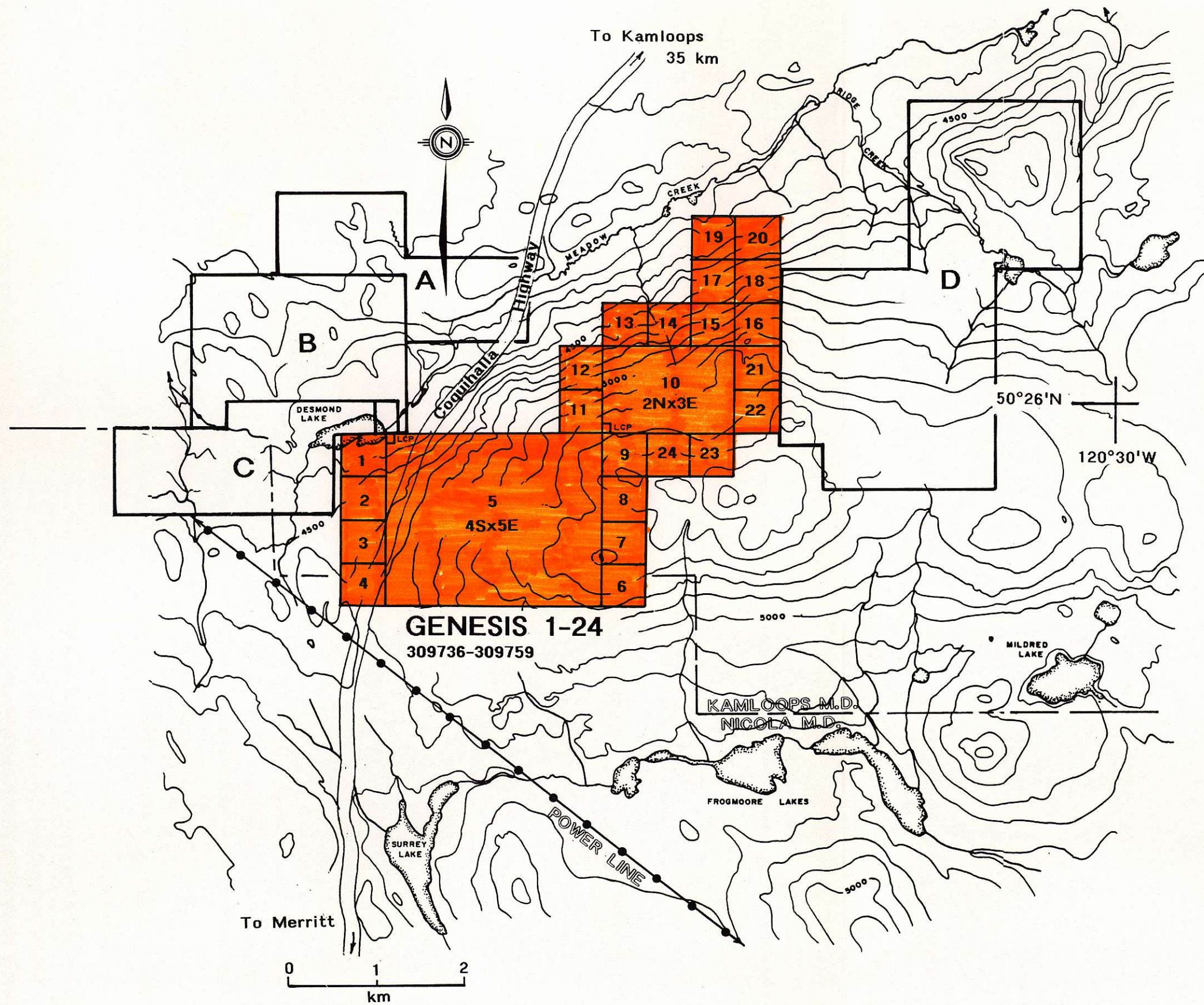
- |                                 |                                    |
|---------------------------------|------------------------------------|
| 1. Jersey Cu Mo Au              | 100. Old Alameada 6 Cu Au Bi Te    |
| 2. East Jersey Cu Mo            | 101. Thelma Ag Pb Zn Au Cu         |
| 3. South Simons Cu              | 102. Bernice Ag Pb Zn Au Cu        |
| 4. Huestis Cu Mo                | 103. Old Evelyn Pb Ag Zn Au        |
| 5. Snowstorm Cu Ag Mo Au        | 104. Old Corona 1 Ag Pb Zn Cu Au   |
| 6. Iona Cu Mo                   | 105. Gloria 1 Cu Au Ag             |
| 7. White Cu                     | 106. Gold Gossan 2 Cu Ag Pb W      |
| 8. Spud Lake Cu                 | 107. Old Corona 2 Pb Zn Cu         |
| 9. Ford Cu Ag                   | 108. Tubal Cain Au Ag Cu Pb Zn     |
| 11. Jim 3 Cu Mo Ag              | 109. Joshua Au Ag Cu Pb Zn W       |
| 12. Bertha - Molly Cu Ag        | 110. King William Au Ag Cu Pb Zn W |
| 15. Bornite Ridge Cu            | 111. Silver King Au Ag Cu Pb Zn    |
| 18. Jay 1 Cu                    | 112. Emulator Au Ag Cu Pb Zn W     |
| 19. Wiz 3, 5 Cu                 | 113. Moon Au Ag Cu Pb Zn W         |
| 20. Sho Cu                      | 114. Raven Au Ag Cu Pb Zn W        |
| 21. Strike Cu                   | 116. Marb 4 Cu Fe                  |
| 22. Rich Cu                     | 122. Ralph Cu Fe                   |
| 23. Vimy Cu Ag                  | 123. Copperado (P66) Cu            |
| 24. Aberdeen Cu Ag Au           | 124. Copperado (A6) U              |
| 27. Last Chance Cu Pb Zn Au W   | 125. Copperado (TM) Cu Ag Mo       |
| 28. Enterprise Cu Pb Zn Ag Au W | 126. Ole - Pat Cu Mo               |
| 29. Planet Cu Pb Zn             | 127. 103 Zone Zn Pb                |
| 30. Brite Star Mo               | 128. Sunshine II Zn Pb Cu Ag       |
| 33. Marb 3 Cu Fe                | 129. Sunshine Zn Pb Cu Ag          |
| 40. Arh Cu Fe                   | 130. Chatko Cu Fe                  |
| 43. Rye Cu Fe                   | 131. Iron King Fe                  |
| 44. Justice Cu Fe               | 132. Peacock Cu Ag Au              |
| 45. Chase Cu Fe Zn Ag           | 133. AC Au Ag Cu                   |
| 47. Mouse Pb Cu                 | 134. A Au Ag                       |
| 51. Soo Cu Fe Ag                | 135. Cake Cu Fe                    |
| 55. Copperado Cu Ag U           | 143. Nik Cu                        |
| 56. Manchester Au               | 144. Pen Cu                        |
| 57. HC A Fr. Cu                 | 147. JHC Cu Ag                     |
| 58. HC 36 Cu Fe                 | 148. NYE Cu                        |
| 59. Plymouth Queen Cu Fe        | 150. Yubet Cu                      |
| 60. DJ Cu                       | 151. MLM Cu                        |
| 61. Moon Cu                     | 153. TDM Cu                        |
| 62. Sky Cu                      | 154. Wendy Cu                      |
| 63. Wiz 21, 30 Cu Mo Ag Au      | 155. Plug Au Ag Cu Pb Zn           |
| 64. Val Fe Cu                   | 158. Chataway Lake Cu              |
| 65. Buck Cu                     | 163. Sar Cu                        |
| 66. Blueberry Cu                | 166. Sack Au Cu Mo                 |
| 67. Mad Arab Cu Pb Zn Ag Au     | 167. SA Cu                         |
| 71. Rod Cu Mo                   | 170. Pom Pom Cu                    |
| 72. Fiddler Cu Mo               | 171. JUA Cu                        |
| 74. Ole Cu Mo                   | 172. IND Cu                        |
| 78. Pat Cu                      | 174. Clap 5 Cu Mo                  |
| 79. Be Cu                       | 175. Clap 8 Cu                     |
| 83. Ell Cu                      | 176. Clap 3 Cu                     |
| 85. Lem Cu                      | 177. Marion C Fr. Ag Pb Zn         |
| 89. Jericho 18, 20 Cu Mo        | 179. Redbird Au Ag Fl              |
| 90. Gnat 2 Fr. Cu Mo            | 181. BR 1 Cu Fe                    |
| 91. Malachite Hill              | 185. BR 3 Cu Fe                    |
| 92. Jay II Cu                   | 186. Joe Cu                        |
| 93. Wiz 47 Cu                   | 187. Gert Ag Cu                    |
| 94. Old Alameada Cu Pb Zn Au Ag | 189. Laron Cu                      |
| 95. Old Alameada 1 Cu Zn        | 190. Magna Copper                  |
| 96. Old Alameada 2 Cu Pb        | 192. Etta Cu                       |
| 97. Old Alameada 3 Pb Zn Cu Au  | 194. Caper Cu                      |
| 98. Old Alameada 4 Cu Pb Zn     | 199. Ulla Cu                       |
| 99. Old Alameada 5 Ag Pb        | 35. Craigmont Cu Fe Au Ag          |





**AEROMAGNETIC MAP**





- A**  
JB 1-12  
9977-9988  
Grant Crooker
- B**  
WRT 12  
6185  
Carulli Resources
- C**  
DES 1-4  
1544, 7856-7858  
C. Boitard
- D**  
RIPPLE  
DARK STAR  
SILVER STAR  
BLUE STAR  
RED STAR  
WHITE STAR  
30991-30996  
W. Kahlert