

ATLAS EXPLORATIONS LIMITED
GEOCHEMICAL SOIL SURVEY DATA

105-J-12

COLLECTOR Doug Hancock

AREA Murray Linn

DATE June 9

PROJECT Acres Project

LOCATION REF. Peak 5267

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS			
GH-69-1	0'w Baseline	Top of Ridge	Ridge Top	Silty Till	B/6	Reddish Brown	Silt	Well Drained				
GH-69-2	11 50'w B	"	"	Silt	B/6	"	Pebbly Silt	Well Drained				
GH-69-3	11 100'w	"	"	Silty Till	B/6	"	Pebbly Silt	Well Drained				
GH-69-4	11 150'w	"	"	Silty Till	B/6	"	Pebbly Silt	Well Drained				
GH-69-5	11 200'w	"	"	Silty Till	B/6	"	Pebbly Silt	Well Drained				
GH-69-6	11 250w	"	"	"	"	"	"	Water Present Here				
GH-69-7	11 300'w	"	"	Silty Till	B/6	"	Pebbly Silt	Organic Material Present				
GH-69-8	11 350'w	"	"	Silty Till	B/6	"	Pebbly Silt	Well Drained Some Organic Present				
GH-69-9	11 300w	"	"	"	"	"	"	Well Drained				
GH-69-10	450w Baseline	Top of Ridge	Ridge Top	Silty Till	B/6	Reddish Brown	Pebbly Silt	Well Drained				
GH-69-11	500w Baseline	Top of Ridge	Ridge Top	Silty Till	B/6	Reddish Brown	Pebbly Silt	Well Drained				
GH-69-12	550w Baseline	Top of Ridge	Ridge Top	Silty Till	B/6	Reddish Brown	Pebbly Silt	Well Drained				
GH-69-13	600w Baseline	Top of Ridge	Ridge Top	Silty Till	B/6	Reddish Brown	Pebbly Silt	Water Present Here				
GH-69-14	650w Baseline	Top of Ridge	Ridge Top	Silty Till	B/6	Reddish Brown	Pebbly Silt	Well Drained				
GH-69-15	700w Baseline	Top of Ridge	Ridge Top	Silty Till	B/6	Reddish Brown	Pebbly Silt	Well Drained				

ATLAS EXPLORATIONS LIMITED

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Gay Wainwright

DATE June 2nd

PROJECT Kress

AREA Mary Camp

LOCATION REF. Point 5267

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
GH-69-16	750W Baseline	TOP OF Ridge	Ridge Top	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-17	800W Baseline	TOP OF Ridge	Ridge Top	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-18	850W Baseline	N	Side of Ridge	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-19	900W Baseline	N	Side of Ridge	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-20	950W												
GH-69-21	1000W												
GH-69-22	1050W												
GH-69-23	1100W												
GH-69-24	1150W Baseline	N	Side of Ridge	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-25	1250W												
GH-69-26	1300W Baseline	N	Side of Ridge	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-27	1350W Baseline	N	Side of Ridge	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-28	1400W												
GH-69-29	1450W Baseline	N	Side of Ridge	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Some Water Present					
GH-69-30		N	Side of Ridge	Silty Till	B / 6	"	"	"					

ATAS EXPLORATIONS LIMITED
GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Jim Kinnell

AREA Merry Camp

DATE June 2

PROJECT Ness

LOCATION REF. Peak 5267

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
GH-69-31	1500W Baseline	N	Side of Ridge	Silty Till	B/6	Reddish Brown	Pebbly Silt	Water Present					
GH-69-32	1550W Baseline	N	Side of Ridge	Silty Till	B/6	Reddish Brown	Pebbly Silt	Water Present					
GH-69-33	1600W Baseline	N	Slope Side of Ridge	Silty Till	B/6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-34	000E Baseline	N	Top of Ridge	Silty Till	B/6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-35	0150E	N	Top of Ridge	Silty Till	B/7	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-36	0100E	N	No Soil										
GH-69-37	0150E	N	No Soil										
GH-69-38	0200E	N											
GH-69-39	0250E												
GH-69-40	0300E	N	Side of Ridge	Silty Till	B/7	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-41	0350E												
GH-69-42	0400E												
GH-69-43	0450E	Swamp	Swamp	Silty Till	B/6	Reddish Brown	Pebbly Silt	Organics Water					
GH-69-44	0500E	"	"										
GH-69-45	0550E	"	"	Silty Till	B/6	Reddish Brown	Pebbly Silt	Water Organics					

ATLAS EXPLORATIONS LIMITED
GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Greg Hainault

AREA Mary Group

DATE June 2nd

PROJECT Nessa

LOCATION REF. Peak 5267

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
GH-69-46	0600E Baseline	Swamp	Swamp	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Some organics Water					
GH-69-47	" 0650E	"	"	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Water					
GH-69-48	" 0700E												
GH-69-49	" 0750E												
GH-69-50	" 0800E	Swamp	Swamp										
GH-69-51	" 0850E	"	"										
GH-69-52	" 0900E												
GH-69-53	" 0950E	S	Side of Ridge										
GH-69-54	" 1000E	S	"	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Well Drained					
GH-69-55	" 1050E	S	"	"	"	"	"	some water present					
GH-69-56	" 1100E	W	Side of Ridge	Silty Till	B / 6	Reddish Brown	Pebbly Silt	"					
GH-69-57	" 1150E	W	"	"	"	"	"	Well Drained					
GH-69-58	" 1200E	W	"	"	"	"	"	"					
GH-69-59	" 1250E												
GH-69-60	" 1300E	W	Side of Ridge	Silty Till	B / 6	Reddish Brown	Pebbly Silt	Some water present					

ATLAS EXPLORATIONS LIMITED

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Greg Kinnault

DATE June 2nd

PROJECT Kess

AREA Merry Group

LOCATION REF. Peak 5267

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS			
EH-69-61	1350E Baseline	W	Side of Ridge	Silty Till	B/6	Reddish Brown	Pebbly Silt	Well Drained				
GH-69-62	1400E											
GH-69-63	1450E											
GH-69-64	1500E	W	Side of Ridge	Silty Till	B/6	Reddish Brown	Pebbly Silt	Some water present				
GH-69-65	1550E	W	"	"	"	"	"	Well Drained				
GH-69-66	1600E	"	"	"	"	"	"	"				
GH-69-67	1000N 1600W	W	Ridge Top	"	B/6	Reddish Brown	Pebbly Silt	Well Drained				
GH-69-68	950N 1600W	S	Side of Ridge	"	"	"	"	"				
GH-69-69	900N 1600W	S	"	"	"	"	"	"				
GH-69-70	850N 1600W	N	"	"	"	"	"	"				
	800N 1600W											
	750N 1600W											
	700N 1600W											
GH-69-74	650N 1600W	W	Side of Ridge	Silty Till	B/7	Reddish Brown	Pebbly Silt	Well Drained				
GH-69-75	600N 1600W	N	Side of Ridge	"	"	"	"	"				

ATAS EXPLORATIONS LIMITED

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Greg Fairwell

AREA Merry Leap

DATE June 4

PROJECT Pass

LOCATION REF. Peak 5267

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
GH-69-76	550N 1600W	N	Side of Ridge	Silty T. 11	B /6	Reddish Brown	Rocky SILT	Well Drained					
GA-69-77	500N 1600W	N	"	"	"	"	"	"					
GH-69-78	450N 1600W	N	"	"	"	"	"	"					
GI-69-79	400N 1600W	Top of Ridge	Ridge Top	"	"	"	"	"					
GH-69-80	350N 1600W	S	Side of Ridge	"	"	"	"	"					
GI-69-81	300N 1600W	S	"	"	"	"	"	"					
GH-69-82	250N 1600W	S	"	"	"	"	"	"					
	200 1600W												
	150 1600W												
	100 1600W												
	50N 1600W												
GH-69-86	50N 1600W	N	Side of Ridge	Silty T. 11	B /6	Reddish Brown	Rocky SILT	Well Drained					
GH-69-87	50S 1600W	W	Side of Ridge	"	"	"	"	Water Present					
GH-69-88	100S 1600W	N	"	"	"	"	"	"					
GH-69-89	150S 1600W	IV	"	"	"	"	"	"					
GH-69-91	200S 1600W	IV	"	"	"	"	"	"					

ATLAS EXPLORATIONS LIMITED
GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Greg Kinnell

AREA Mary Group

DATE June 11th

PROJECT Kesa

LOCATION REF. Peak 5267

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
GH-69-91	250S 1600W	N	Side of Ridge	Silty Till	B/6	Reddish Brown	Abbyly SILT	Some Water Present					
GH-69-92	300S	Top of Ridge	Top of Ridge	"	"	"	"	"					
GH-69-93	350S	S	Side of Ridge	"	"	"	"	"					
GH-69-94	400S	"	"	"	"	"	"	"					
GH-69-95	450S	"	"	"	"	"	"	"					
GH-69-96	500S	W	"	"	"	"	"	"					
GH-69-97	500S 1200W	S	"	"	"	"	"	"					
GH-69-98	450S 1200W	S	"	"	"	"	"	"					
GH-69-99	400S	Top of Ridge	Ridge Top	"	"	"	"	"					
GH-69-100	350S	"	"	"	"	"	"	"					
GH-69-101	300S	"	"	"	"	"	"	"					
GH-69-102	250S	N	Side of Ridge	"	"	"	"	"					
GH-69-103	200S	N	"	"	"	"	"	"					
GH-69-104	150S												
GH-69-105	100S 200W	W	Top of Ridge	"	"	"	"	"					

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

SAMPLER Harry Hayward

PHOTO NUMBER.....

DATE June 6

Office Use Only

Map.....

Date Plotted.....

Plotter.....

Sample No.	Quartz P or A	Gossan or Min	Soil		Silt		Stream Width	Remarks	Analytical Results		
			Sand	Silt	Clay	Organic			Cu	Pb	Zn
107				pebbly ✓		✓		SWAMP			
108				" ✓				Side of Ridge			
109				" ✓				"			
110				" ✓				"			
111				" ✓				"			
112				" ✓				"			
113				" ✓				"			
114				" ✓				"			
115				" ✓				Swamp			
116				" ✓				well Drained			
117				" ✓				"			
118				" ✓				Swamp			
119				" ✓				"			
120				" ✓				"			
121				" ✓				"			
122				" ✓				"			

ATLAS EXPLORATIONS LIMITED

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

SAMPLER..... *Rep/Dumont*

PHOTO NUMBER.....

DATE..... *June 7th*

Office Use Only

Map.....

Date Plotted.....

Plotter.....

Sample No.	Quartz P or A	Gossan or Min	Soil		Silt		Stream Width	Remarks	Analytical Results		
			Sand	Silt	Clay	Organic			Cu	Pb	Zn
<i>400W</i> <i>139/900W</i>				<i>Rocky</i>				<i>Side of Ridge</i>			
<i>00W</i> <i>140/1000W</i>				<i>"</i>				<i>S. Swamp</i>			
<i>00W</i> <i>141/900W</i>				<i>"</i>				<i>Side of Ridge</i>			
<i>00W</i> <i>142/800W</i>				<i>"</i>				<i>"</i>			
<i>00W</i> <i>143/700W</i>				<i>"</i>				<i>"</i>			
<i>00W</i> <i>144/500W</i>				<i>"</i>				<i>"</i>			
<i>00W</i> <i>145/300W</i>				<i>"</i>				<i>"</i>			
<i>00W</i> <i>146/200W</i>				<i>"</i>				<i>Swamp</i>			
<i>00W</i> <i>147/100S</i>				<i>"</i>				<i>Side of Ridge</i>			
<i>00W</i> <i>148/200S</i>				<i>"</i>				<i>"</i>			
<i>00W</i> <i>149/300S</i>				<i>"</i>				<i>"</i>			
<i>00W</i> <i>150/400S</i>				<i>"</i>				<i>Top of Ridge</i>			
<i>00W</i> <i>151/500S</i>				<i>"</i>				<i>"</i>			
<i>400E</i> <i>152/500S</i>				<i>"</i>				<i>"</i>			
<i>400E</i> <i>152/400S</i>				<i>"</i>				<i>"</i>			
<i>400E</i> <i>154/300S</i>				<i>"</i>				<i>Side of Ridge</i>			

ATLAS EXPLORATIONS LIMITED

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

SAMPLER. *Greg Hancock*

PHOTO NUMBER.....

DATE. *June 7th*

Office Use Only

Map.....

Date Plotted.....

Plotter.....

Sample No.	Quartz P or A	Gossan or Min	Soil		Silt		Stream Width	Remarks	Analytical Results		
			Sand	Silt	Clay	Organic			Cu	Pb	Zn
155	400E 200S			Pebbly				Swamp			
156	400E 100N										
157	400E 200N										
158	400E 400N							Side of Ridge			
159	400E 500N										
160	400E 600N										
161	400E 700N										
162	400E 800N										
163	800E 900N							Swamp			
164	800E 800N										
165	800E 700N										
166	800E 600N										
167	800E 500N										
168	800E 300N										
169	800E 200N										
170	800E 200N							Side of Ridge			

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

SAMPLER *Grey Hancock*

PHOTO NUMBER.....

DATE *June 7th*

Office Use Only

Map.....

Date Plotted.....

Plotter.....

Sample No.	Quartz P or A	Gossan or Min	Soil		Silt		Stream Width	Remarks	Analytical Results		
			Sand	Silt	Clay	Organic			Cu	Pb	Zn
171	800E 100S			Pebbly				Side of Ridge			
172	800E 200S			"				"			
173	800E 200S			"				"			
174	800E 400S			"				"			
175	800E 800S			"				"			
176	1200E 500S			"				"			
177	1200E 300S			"				Swamp			
178	1200E 200S			"				Side of Ridge			
179	1200E 100S			"				"			
180	1200E 100N			"				"			
181	1200E 300N			"				Swamp			
182	1200E 400N			"				"			
183	1200E 500N			"				"			
184	1200E 200N			"				Side of Ridge			
185	1200 800N			"				"			
186	1200E 900N			"				Swamp			

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

SAMPLER..... *Greg Harewood*

PHOTO NUMBER.....

DATE..... *June 1, 87**Box*

Office Use Only

Map.....

Date Plotted.....

Plotter.....

Sample No.	Quartz P or A	Gossan or Min	Soil		Silt		Stream Width	Remarks	Analytical Results		
			Sand	Silt	Clay	Organic			Cu	Pb	Zn
201	600W 20N			✓				<i>side of Ridge</i>			
202	550W 00N			<i>bbly</i>				<i>4</i>			
203	500W 00N							<i>4</i>			
204	450W 00N							<i> </i>			
205	400W 00N							<i>4</i>			
206	350W 00N							<i> </i>			
207	300W 00N							<i>4</i>			
208	250W 00N							<i> </i>			
209	200W 00N							<i>4</i>			
210	150W 00N							<i>4</i>			
211	100W 00N							<i>4</i>			
212	50W 00N							<i> </i>			
213	00W 100S							<i>4</i>			
214	00W 150S							<i> </i>			
215	00W 200S							<i>4</i>			
216	200W 200S							<i> </i>			

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

SAMPLER..... *Greg. Hansen*

PHOTO NUMBER.....

DATE..... *June 10th**Box*

Office Use Only

Map.....

Date Plotted.....

Plotter.....

Sample No.	Quartz P or A	Gossan or Min	Soil		Silt		Stream Width	Remarks	Analytical Results		
			Sand	Silt	Clay	Organic			Cu	Pb	Zn
217	200W 150S			Pebbly				Side of Ridge			
218	200W 106S										
219	200W 50S										
220	200W 50N										
221	200W 106N										
222	200W 150N										
223	200W 200N										
224	400W 50N										
225	400W 106N										
226	400W 150N										
227	400W 200N										
228	600W 200N										
229	600W 150N										
230	600W 120N										
231	600W 106S										
232	600W 150S										

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

SAMPLER..... *Greg Hancock*

PHOTO NUMBER.....

DATE..... *June 11th**BOX*Office Use Only

Map.....

Date Plotted.....

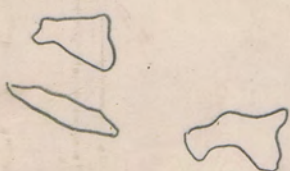
Plotter.....

Sample No.	Quartz P or A	Gossan or Min	soil		Silt		Stream Width	Remarks	Analytical Results		
			Sand	Silt	Clay	Organic			Cu	Pb	Zn
233	600W 200S			pebbly				side of ridge			
234	600W 250S			u				u			
235	600W 300S			u				u			
236	400W 300S			u				u			
237	400W 250S			u				u			
238	400W 200S			u				u			
239	400W 150S			u				u			
240	400W 100S			u				u			
241	200W 250S			u				u			
242	200W 300S			u				u			
243	00W 250S			u				u			
244	00W 300S			u				u			
245	00W 350S			u				u			
246	00W 400S			u				u			
247	200W 350S			u				u			
248	200W 400S			u				u			

A12189-72

JUNE 12/69

JUNE 13/69

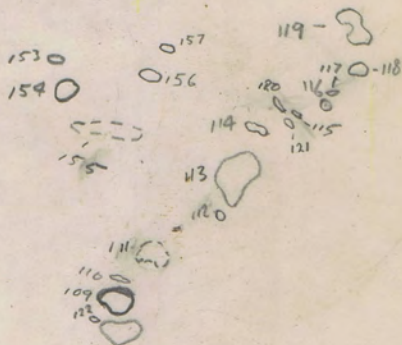
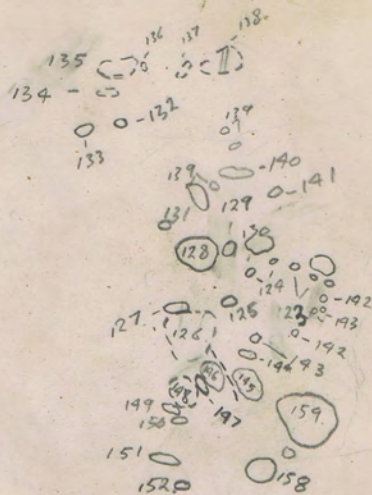


JUNE 8/69

A12189-72

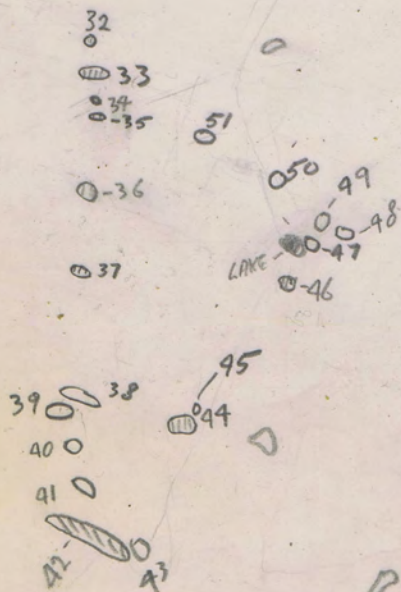
JUNE 10/69

JUNE 11/69



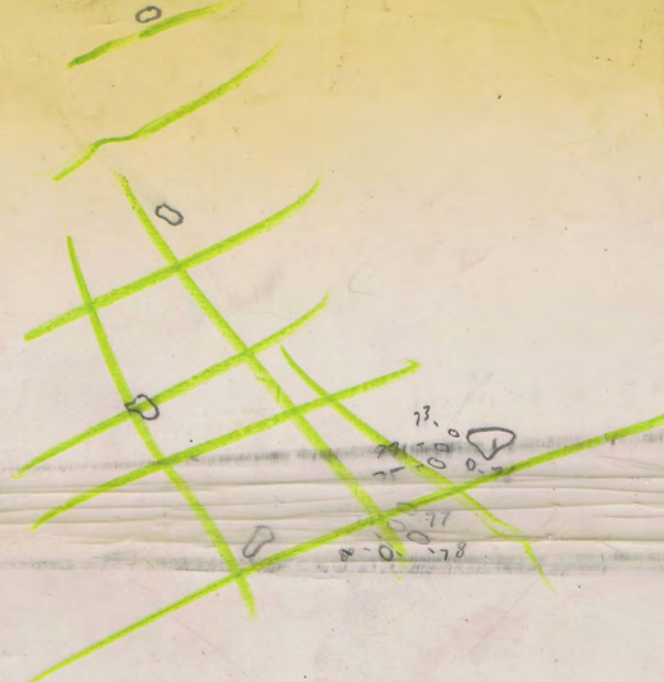
JUNE 2/69

A12189-73



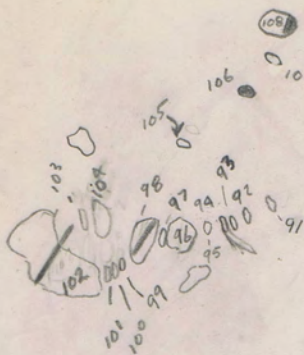
A12189-73

JUNE 5/69.



JUNE 7/69

A1218973



MAY 31/69
~~JUNE~~
A12189-72



GEOCHEMICAL RESEARCH

BOB Group - MT. AHO Area

Notes on Carbon Analyses (Van Engeln T.S.L.)

- 1) Total carbon is done by ignition of sample in presence of O₂
- 2) CO₂ determination is done by igniting sample in atmosphere of Nitrogen.
- 3) Ideally, limitation of method is $\pm .02\%$
- 4) Anomalously high Carbon content of sample BR6-1 has been explained by Van Engeln as "probably due to the presence of some hydro-carbon". Graphitic carbon in this sample is actually .04% of total.

The tendency of Fe and Mn oxides to absorb base-metal cations in natural surface environments has been recognized for some time (Hawkes & Webb, 1962, p.122). Canney (1966), found that where coatings or encrustations of Fe-Mn oxides occurred on rocks in stream-beds that the following relationship held true:

$$\text{ppm } c \times \text{Hm}^* = a (\text{ppm Mn})^b$$

where a and b are constants

* cold extractable Hm

In areas of significant mineralization however, the Hm/Mn ratio is often considerably higher than that given by the above equation. This method could give encouraging results in glaciated terrains.

Geochemical patterns in stream sediments in boggy environments have been contrasted with those of well-drained uplands

(Nickel et al, 1967). Low pH in poorly drained terrains gives high solubility to Mn in sediments. Mn precipitates as water-table intersects the land surface or stream-bed, mainly as colloidal hydrated Mn oxides ($Mn O_{1-2}$). In well drained areas the Mn is derived mainly from erosion and consists largely of tetravalent oxides ($Mn O_2$) which have reached a stable, non-reactive state.

MEC:eph

M.E. (Tim) Coates.

FACTOR ANALYSIS: REMARKS

Rock Geochem: (6 variables, C, Cu, Pb, Zn, Mn, Co)

In brief: Most of the data (92.6%) can be represented by three factors:

1. Represents 45% of the data and embodies a high negative correlation between Cu and Pb.
2. Represents 28% of the data and embodies a high negative correlation between C and Pb.
3. Represents 19% of the data and shows two negatively correlated associations:
 - (a) Zn - Co
 - (b) C - Pb

Manganese does not appear to be a dominant component in any of the three major factors.

Stream Sediment Geochem: (4 variables, Cu, Pb, Zn, Mn)

1. 99.99% of the data can be represented by three factors:
 - (a) Represents approximately 34% of the data and embodies a high negative correlation between Zn and Pb.
 - (b) Represents approximately 24% of the data and embodies a strong negative correlation between Cu and Zn.
 - (c) Represents approximately 41% of the data and embodies a strong negative correlation between Mn and Pb (Major Factor).
2. No significant correlation appears to exist between Mn and Cu, Pb, Zn. This may be due to:
 - (a) Presence of Mn in stable form (i.e. Mn, O₂).
 - (b) Physiographic or climatic influences. (Much of the area is well drained although it is subject to permafrost).

SELECTED REFERENCES

- CANNEY, F.C. - 1966: Hydrous Manganese - Iron Oxide Scavenging: Its effect on Stream Sediment Suverys; Proc. of Symposium on Geochemical Prospecting, Ottawa, April 1966; G.S.C. Pub. No. 66-54.
- HAWKES, H.E. and WEBB, J.S. - 1962: Geochemistry in Mineral Exploration; 415 p., Harper & Row, New York, N.Y.
- NICHOL, I, HORSNAIL, R.F, and WEBB, J.S. 1967; Geochemical Patterns in Stream Sediments Related to the Participation of Manganese Oxides;IMMT, May, 1967

M. E. (Tim) Coates

A12371-26
JUNE 1/69

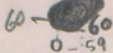


JUNE 3/69

A12189-72

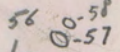


61



60

0-59



56

0-58

54

53

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

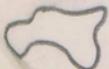
116

117

118

119

120



052

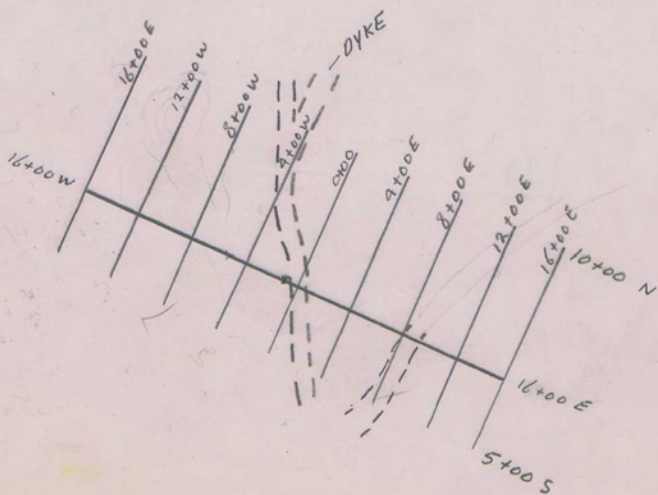
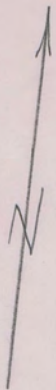
0

0

0

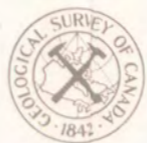
JUNE 4
A12189-72.





1" = 1/4 MILE

MERRY MT
MAY CLAIM
GROUP

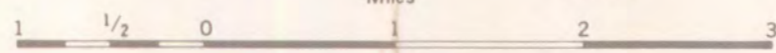


MAP 4390 G

105 $\frac{J}{12}$

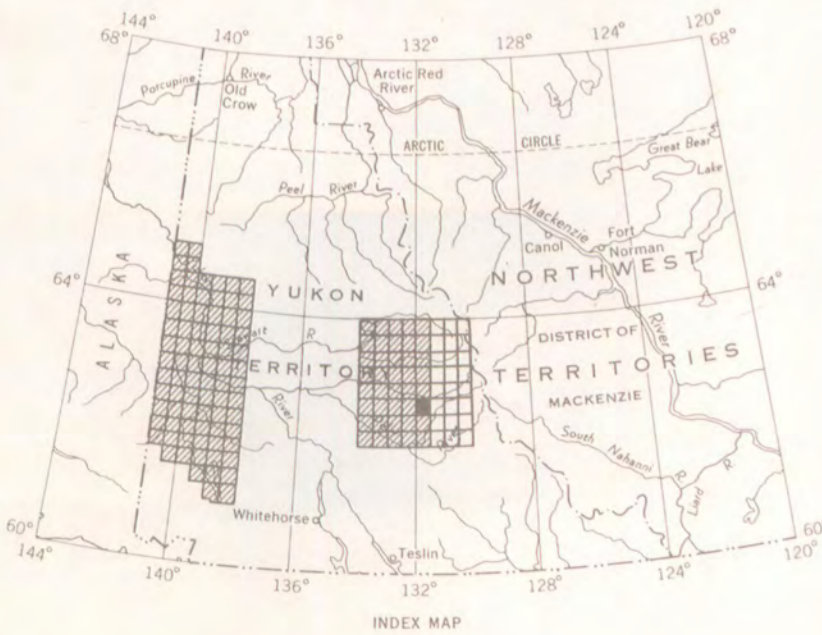
YUKON TERRITORY

Scale: One Inch to One Mile = $\frac{1}{63,360}$
Miles



COPIES OF THIS MAP MAY BE OBTAINED FROM THE
DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA

PUBLISHED, 1968



ISOMAGNETIC LINES (absolute total field)

- 500 gammas
- 100 gammas
- 20 gammas
- 10 gammas
- Magnetic depression
- Flight lines
- Flight altitude nominally 1000 feet above ground level where terrain permitted

Magnetic survey, March 1968 to June 1968 by Aero Photo Inc.
No correction has been made for regional variation

The plianetry for this map was obtained from topographical map sheets published by the Department of Energy, Mines and Resources

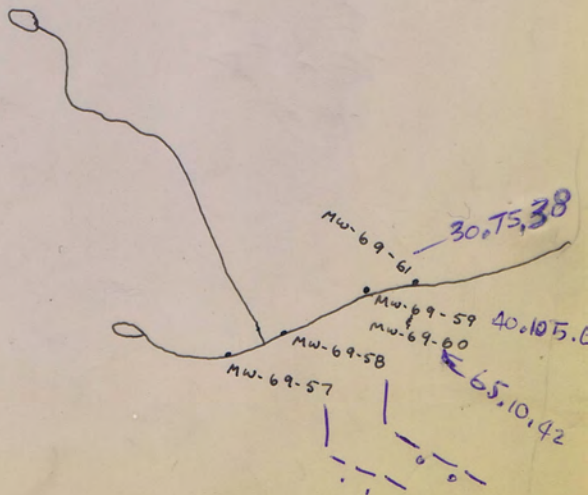
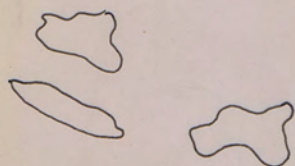
The magnetic data on this map were compiled from information recorded along the flight lines shown. The anomalies expressed by the magnetic contours are dependent on the variable magnetic intensities of the underlying rocks, and may be due to conditions near, or at unknown depths below the surface. High magnetic anomalies normally indicate the presence of basic rocks, such as diabase, gabbro, or serpentine, which have a relatively high iron content, but in special instances may be due, or partly due, to concentrations of magnetic ore minerals. By means of the magnetic anomalies, various rock bodies or structural features, such as faults or folds, may be traced into, or across, areas of low or no outcrops. In many instances, however, no interpretation of particular anomalies may be possible without further geological information.

GEOPHYSICS PAPER 4390

JUNE 18, 1969

WALDNER

A 12189-72



105-J-12

105-J-12 - NW



MAY GROUP

7	5	3	1
8	6	4	2

Box GROUP

MERRY MT

4	3
2	1

+ VE positive
- VE negative
+ VE for
Pos. N

↑ Peak 6923
1 mile

105 J

NW corner

105-5-13

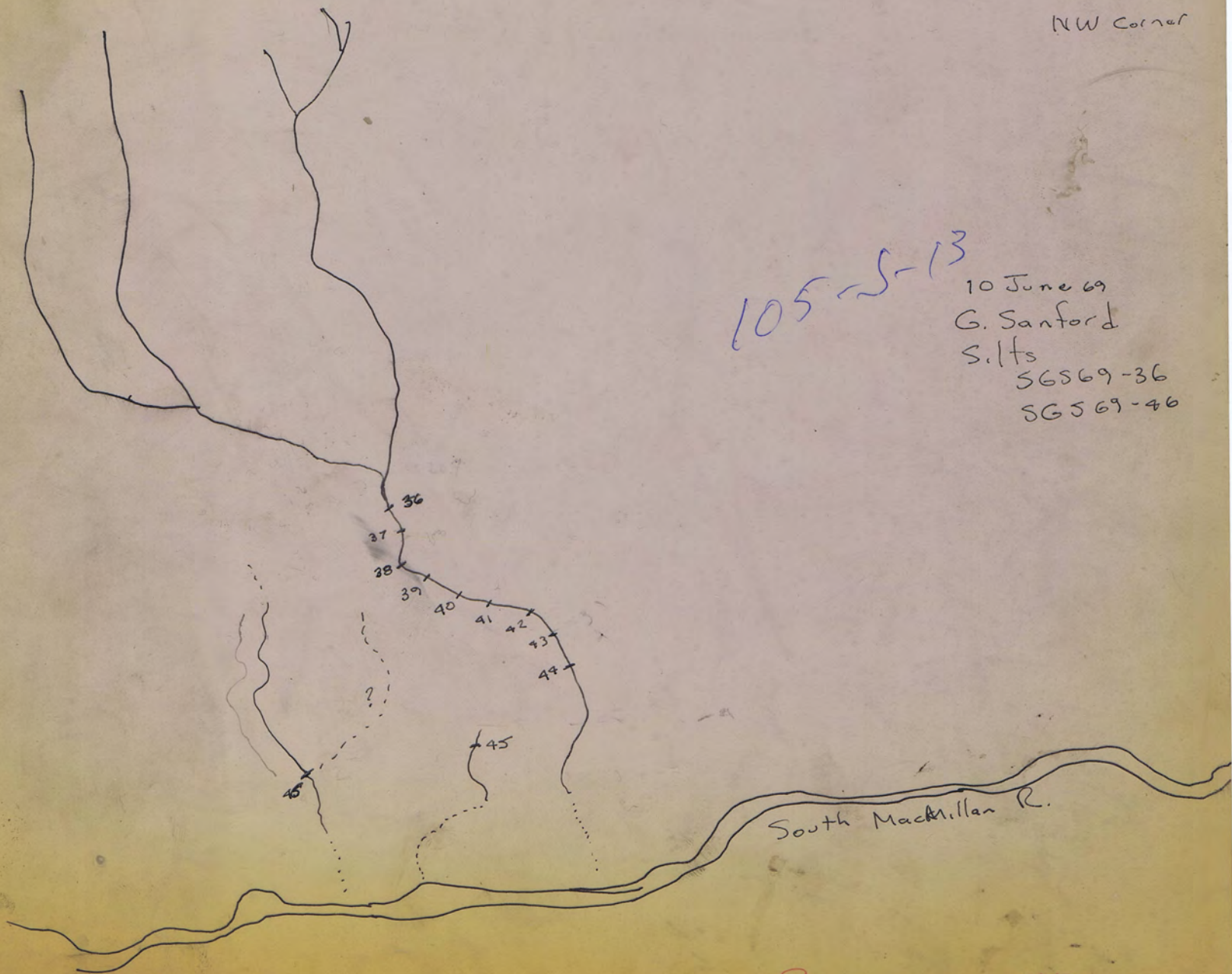
10 June 69

G. Sanford

Silts

SGS69-36

SGS69-46



PLOTTED ON MAP

JULY 69

A12850-90

105J
NE Corner

G.R. Sanford
Geological Mapping
8, 9, 10, 11 June 69

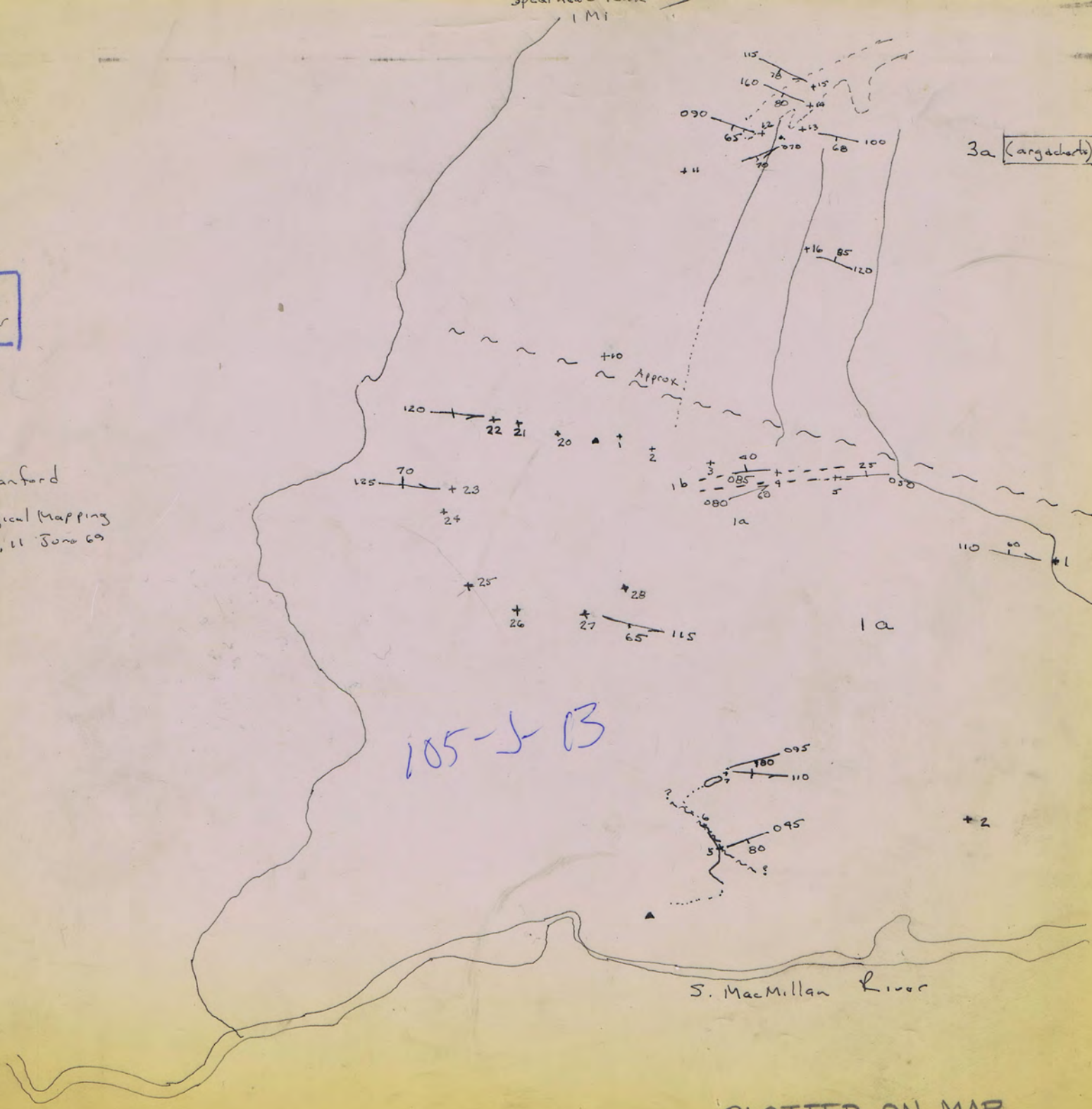
105-J-13

S. MacMillan River

PLOTTED ON MAP
JUNE 15-'69 P.V.

3a (argacherts)

A12178-260



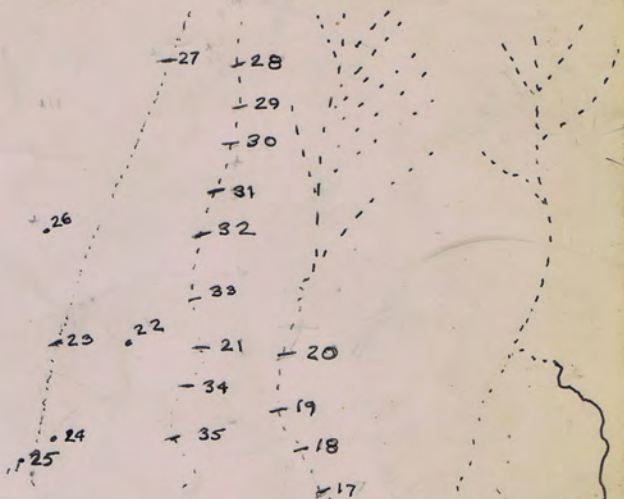
Spearhead Peak
1 mi.



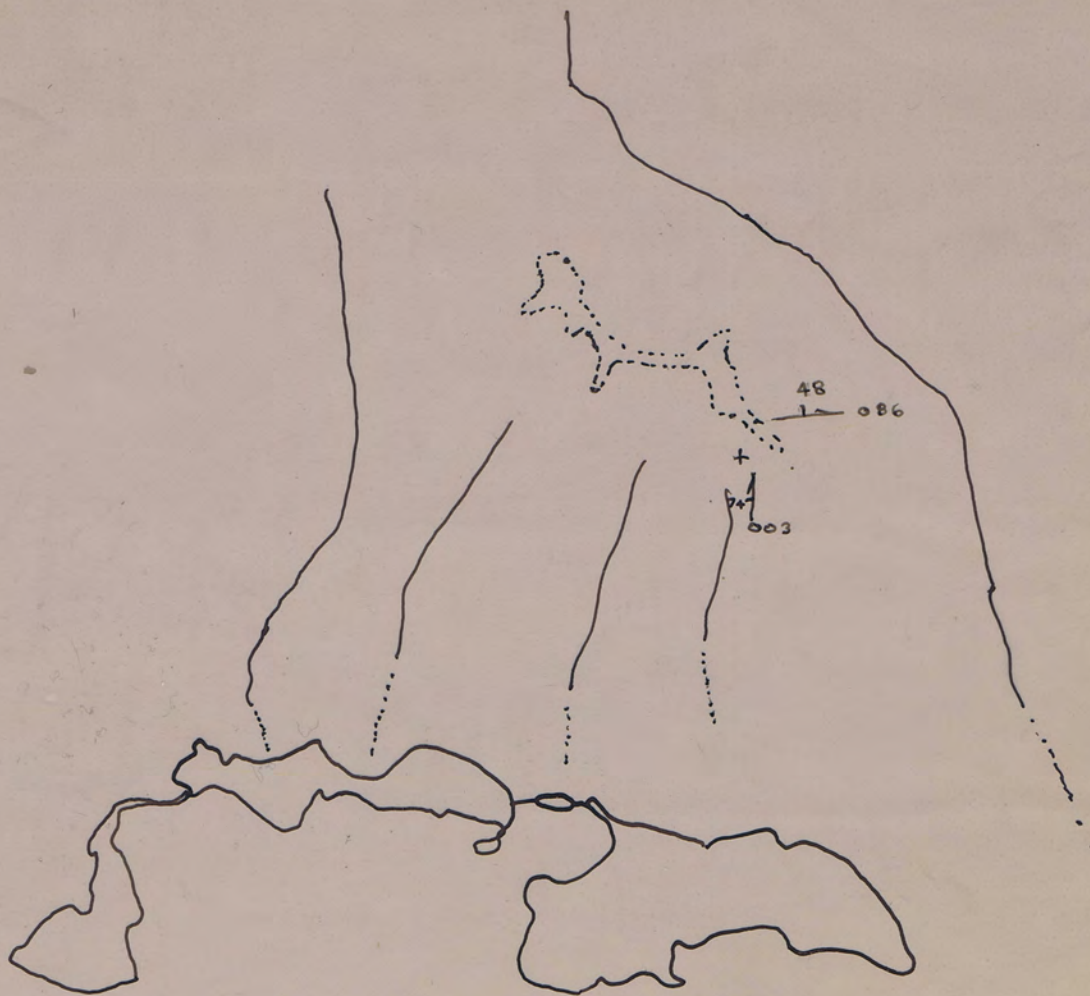
105J -13

G.R. Sanford
Biological Trapping
Silt Samples
7 June 69
8 June 69

SGS 69-17 - SGS 69-25 7 June
SGS 69-26 - SGS 69-35 8 June



PLOTTED
JULY 10/69. J



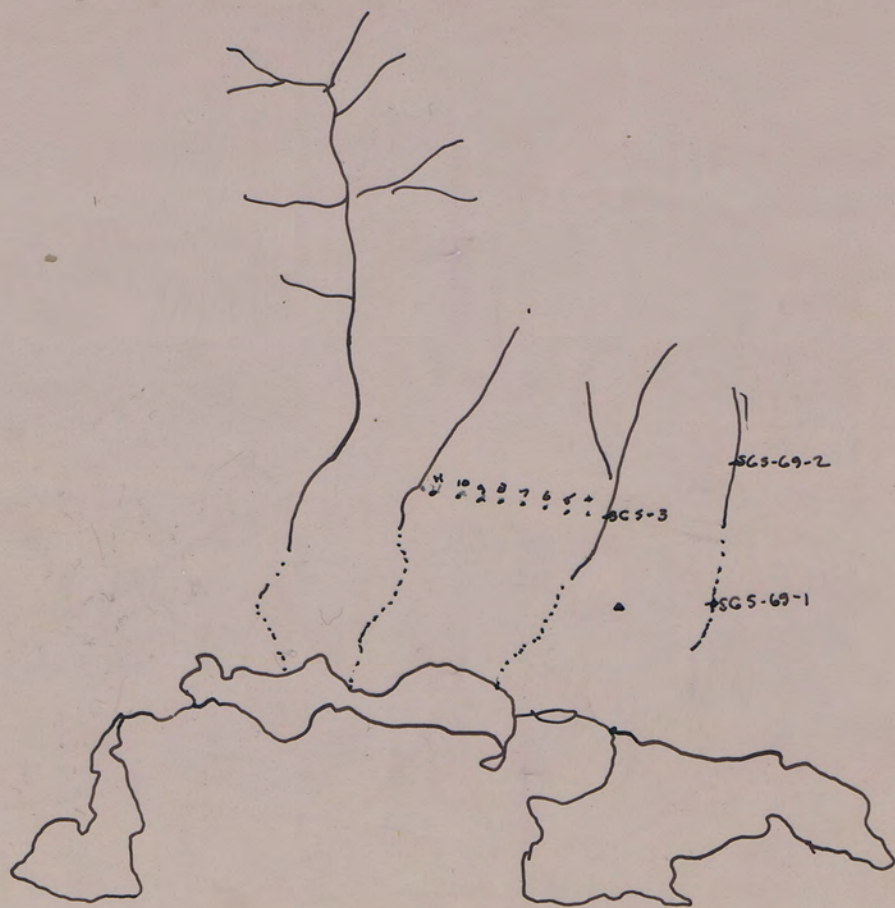
G. Sanford
Geological Mapping
29 May 69

1053-13
NW Corner

Peak 6923
2-3 Mi

PLOTTED ON MAP
JUNE 15/69 P.V.

A12371-238



105-J/13

G. Sanford

29 May 69 Sediments SCS 69-1-3,
30 May 69 Soils SCS-69-4-11.

1053 NW
Corner

Peak 6923 ≈ 2 mi

PLOTTED ON MAP
JUNE 14-69

Geophysics

A/2371-238



Jalandar Magnetometer Stations
29 May 69

In region of bullseye, approx 50
rdgs taken at random points
throughout the area

Peak 6923
1-2 Mi

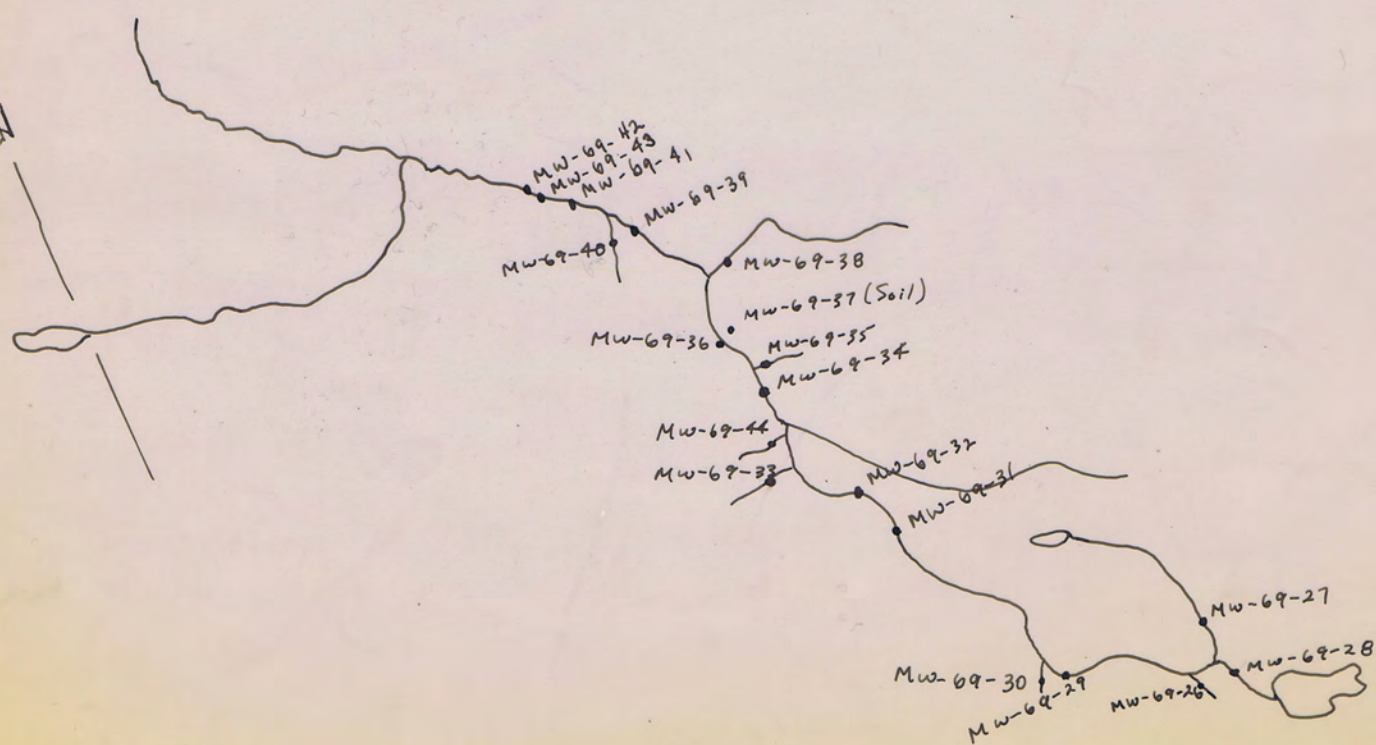
13
105J, NW corner

JALANDAR MAGNETOMETER
STATIONS

JUNE 11, 1969

105-J-12

WALDNER



PLOTTED
JULY 69

ATLAS EXPLORATIONS LIMITED

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

SAMPLER.....*M. Walther*.....

PHOTO NUMBER.....*A-12371-246*.....

DATE.....*June 11, 1969*.....

<u>Office Use Only</u>		
Map.....		
Date Plotted.....		
Plotter.....		

Sample No.	Quartz P or A	Gossan or Min	Soil		Silt		Stream Width	Remarks	Analytical Results		
			Sand	Silt	Clay	Organic			Cu	Pb	Zn
MW-69-26	A	A	A	P	A	P	3'				
MW-69-27	A	A	P	A	A	A	✓				
MW-69-28	A	A	A	P	A	A	✓				
MW-69-29	A	A	A	P	A	P	1'				
MW-69-30	A	A	A	P	A	P	6"				
MW-69-31	A	A	A	P	A	A	3'				
MW-69-32	A	A	A	P	A	A	✓				
MW-69-33	A	A	A	P	A	A	1'				
MW-69-34	A	A	A	P	A	A	10	Same place as CO-68-36			
MW-69-35	A	A	A	P	A	A	1'				
MW-69-36	A	A	A	P	A	A	10'	check for Pb Anomaly (CO-68-37)			
MW-69-37	A	A	P	A	A	P		check for Pb Anomaly (CO-68-37)			
MW-69-38	A	A	A	P	A	P	2'				
MW-69-39	A	A	A	P	A	A	8'				
MW-69-40	A	A	P	A	A	P	2"				

Soil)

105-5-12
WALDNER
JUNE 10, 1969.



PLOTTED
JULY '69

SAMPLE No. _____ to _____

N.T.S. 105-2-12

PHOTO

SAMPLER R. ETZEL

PROJECT: Hess

SCALE

DATE: March 13/50

GEOGRAPHIC LOCATION:

SHEET _____ of _____ DATE _____ INFL _____

SAMPLE LOC PLOTTED

VALUES "

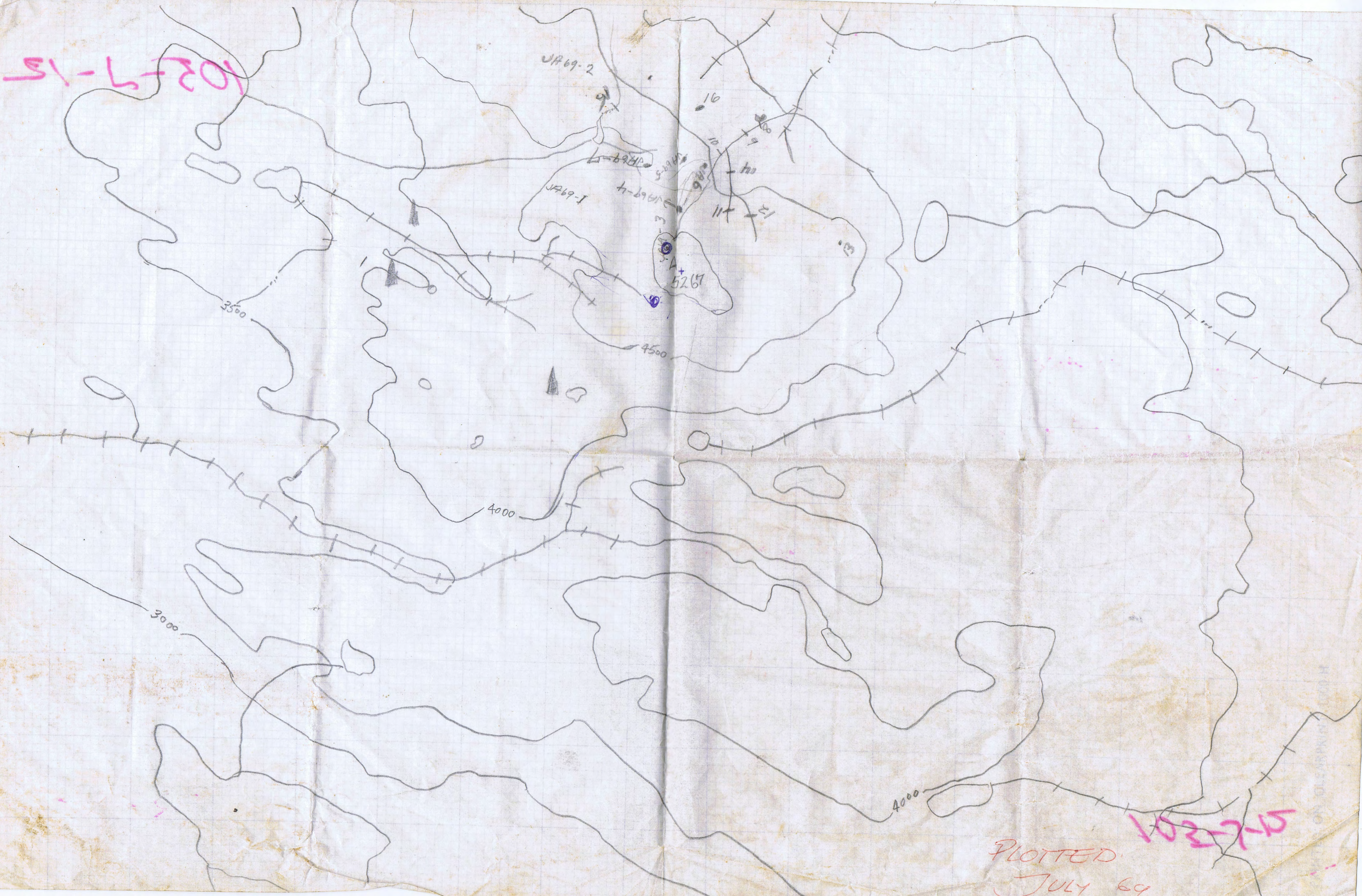
GEOLOGY "

REMARKS:



SAMPLE NO. to 102-215
 DATE: 12/10
 PROJECT: R-158C
 SCALE: 1:5000
 GEOGRAPHIC LOCATION:
 SHEET _____ of _____
 SAMPLE LOG PLOTTED
 VALUES
 GEOLOGY
 REMARKS

102-7-15



PLOTTED
JULY 69

102-7-15