MAGNETOMETER SURVEY
ON

GUDER CREEK

NTS 115 I-6
Lat. 62° 18' N, Long. 137° 12' W
Whitehorse District

120164

By: G.S. Davidson, P. Geol.
February 15, 1996

This report has been examined by the Geological Evaluation Unit under Section 41 Yukon Placer Mining Act and is recommended as allowable representation work in the amount of $ 500.00

W P LeBarge

for Chief Geologist, Exploration and Geological Services Division, Northern Affairs Program for Commissioner of Yukon Territory.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

SUMMARY

The Guder Creek property consists of 20 placer claims located 90 km west of Carmacks. Guder Creek drains the west side of Freegold Mountain and is a tributary of Seymour Creek. The Freegold road connects the claims to Carmacks.

The claims lie along Guder Creek covering fluvial gravels and pockets of frozen black muck. The local geology shows metasedimentary rocks within intrusive rocks of the Freegold Plutonic suite.

In July, 1995 the writer performed a magnetometer survey over two claims (41876 & 41518). The survey utilized an EDA magnetometer and base station. Lines were run across the valley at 50 m intervals and readings were taken at 5 m intervals.

The contour plot shows a strong linear magnetic high on the south side of the Guder Creek valley about 35 m grid south of the creek. A second more patchy magnetic high occurs 15-20 m grid north of the creek with a peak reading on line 9+00E at 9+60N. This anomaly is located on a bench in the area of the 1995 stripping and may outline an old creek channel.

INTRODUCTION

The Guder Creek property consists of 20 placer claims located in the South-Central Yukon on the west side of Freegold Mountain in the Whitehorse Mining District, Yukon Territory (NTS 115 I-6). The claims are located 90 km west of Carmacks and 270 km from Whitehorse (see Figure 1).

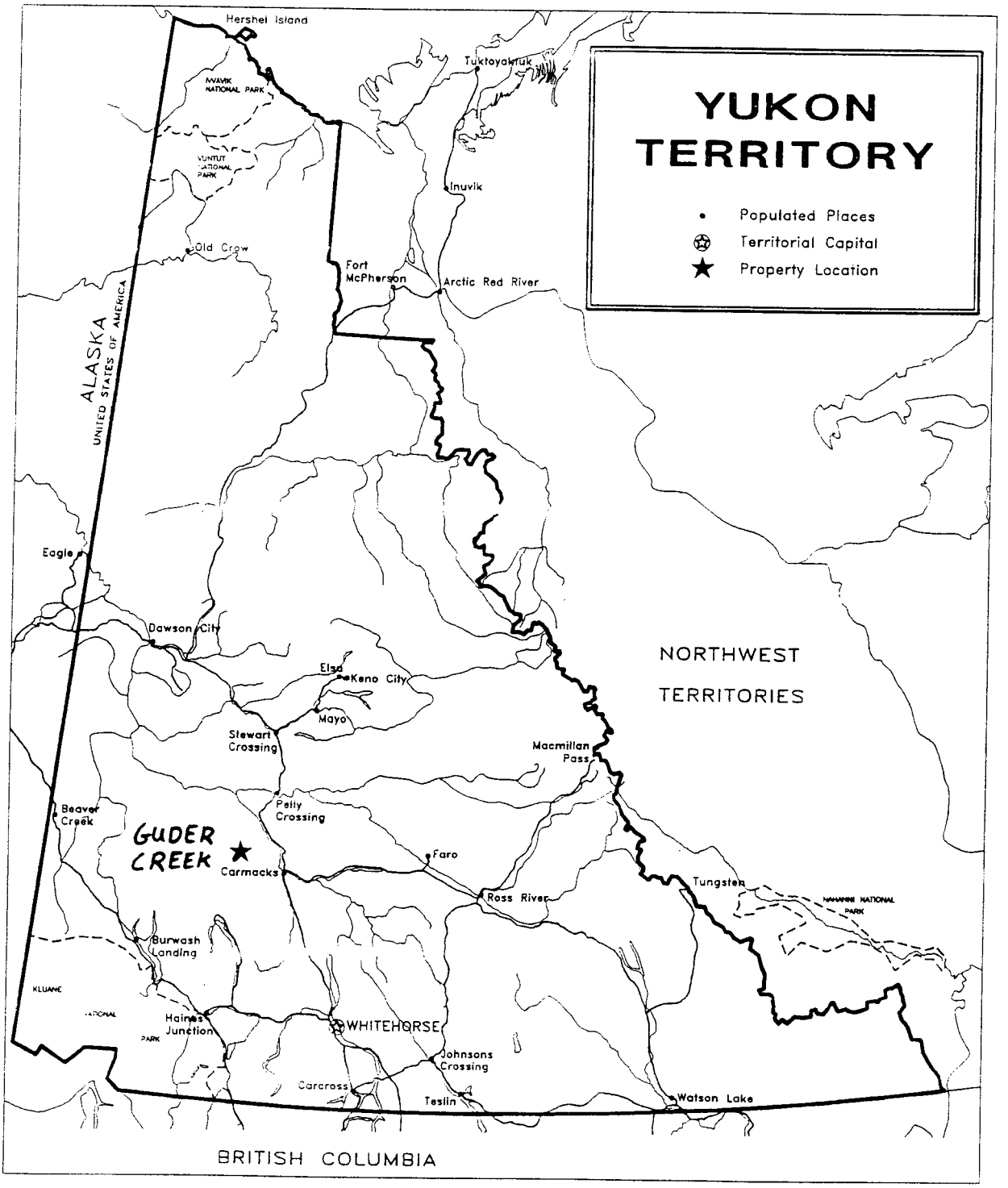
LOCATION AND PROPERTY

The placer claims are shown on Figure 2 and expiry dates are listed bellow:

Claim Data

Claim Name	Grant	Expiry Date (applied for*)	Owner
Dy 1-2	41875-876	8 August, 1996	D. Dodge
Cody 1-6	P32912-917	27 July, 1997*	D. Dodge
Anniversary	41518	20 July, 1996*	E. Dodge
Cody 7-15	41519-27	20 July, 1996*	E. Dodge
Kitty	41528	20 July, 1996*	E. Dodge
Cowboy	41529	20 July, 1997*	D. Dodge

Camp facilities are at Guder Junction, a collection of cabin's and tent frames, located at the confluence of Seymour and Bow Creeks.



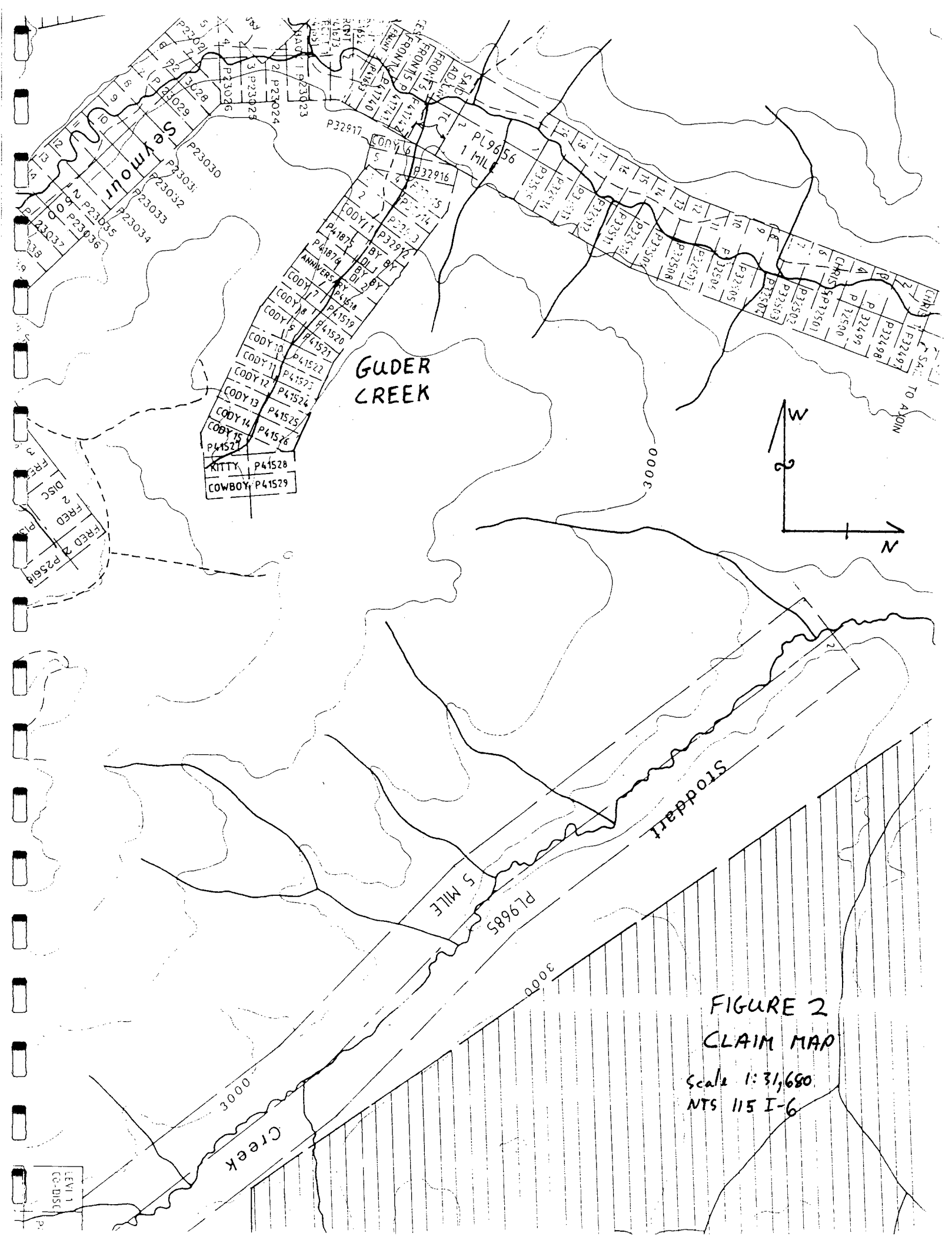
0 100 200 300
KILOMETRES

Lambert Conformal Conic Projection
with Standard Parallels at 49°N and 77°N

LOCATION MAP
GUDER CREEK

Graham Davidson, Consulting Geologist

SCALE: 1 : 6 000 000		DATE: Dec. 1994
NTS: 115 I/3, I/6	DRAWN:	FIGURE 1


GUDER
CREEK
Seymour
P23030
P23031
P23032
P23033
P23034
P23035
P23036
P23037
P23038
P23029
P23028
P23026
P23025
P23024
P23023
P32917
P32916
PL 96656
1 MILE
CODY 1
CODY 2
CODY 3
CODY 4
CODY 5
CODY 6
CODY 7
CODY 8
CODY 9
CODY 10
CODY 11
CODY 12
CODY 13
CODY 14
CODY 15
P41875
P41874
P41519
P41520
P41521
P41522
P41523
P41524
P41525
P41526
P41527
KITTY P41528
COWBOY P41529
ANNIVERSARY
BY
DI
P41518
P25618
FRED 2
FRED
DISC
3000
W
N
TO AXON
Stoddart
5 MILE
PL9685
3000
Creek
3000
FIGURE 2
CLAIM MAP
Scale 1:31,680
NTS 115 I-6

PHYSIOGRAPHY

Guder Creek drains to the northwest in a fairly steep sided narrow valley. The left limit (looking downstream) is a steep north facing valley wall featuring stunted spruce and alder. The right limit is a more gradual slope with a gently dipping bench approximately 40 m wide adjacent to the creek and then a dry southerly facing slope featuring patchy spruce and poplar and open grassy areas.

REGIONAL GEOLOGY

The rocks underlying Guder Creek are mainly granodiorite, quartz mica schist and gneiss. A band of magnetite and goethite rich skarn crosses the top of Freegold Mountain and trends across the headwaters of the Guder Creek drainage. There are also rhyolitic sills and amphibolite in the area.

Gold bearing rocks on Freegold Mountain include quartz veins, rhyolite breccia's and iron rich skarn zones. Placer gold deposits in the area usually occur in patchy deposits containing a large amount of black sand, and magnetite pebbles and cobbles. Shallow bench gravels have been mined successfully on Seymour Creek however a deeper magnetite rich channel has not been mined. On Seymour Creek some correlation between magnetite and placer gold exists however magnetite rich gravels sometimes contain uneconomic quantities of placer gold. On Guder Creek some correlation between magnetic highs and placer gold occurrence was observed by Mr. G. Lee during exploration and mining work completed in the 1980's.

HISTORY

Guder Creek has been tested and mined periodically since the 1950's. A significant cut was processed by G. Lee in the 1980's. More recently D. Dodge has started stripping upstream of the previous work.

EXPLORATION PROGRAM

Four lines were run across the Guder Creek valley in the area of Mr. Dodge's stripping program. Stations were flagged at 10 m intervals and readings were taken at 5 m intervals. An EDA total field magnetometer and base station were used to survey the lines. A base station was established near the old camp and fluctuations in the earth's magnetic field were measured every 20 seconds. The field data was corrected utilizing the base station data. Corrected readings are plotted in Figure 3 , the Contour Map of the survey area.

DISCUSSION & RECOMMENDATIONS

Two areas of high magnetic readings were located on the grid. The strongest values (Anomaly A) were recorded across the four survey lines along the south side of the valley approximately 20-40 m from the creek. This anomaly is on a fairly steep north facing slope and may be difficult to trench or expose. The second anomaly (Anomaly B) is located along the bench in the center of the valley approximately 20-30 m north of the present creek. This anomaly is a better target for trenching and is within the area of stripping.

Trenching by bulldozer or backhoe is recommended in the following locations:

Anomaly B-Line 9+00E 9+60N, this lies on the bench beside Guder Creek on the edge of the stripped area.

Anomaly A-Line 9+00E 9+30N, on the left limit, this anomaly is on a fairly steep north facing slope which may be difficult to trench because of permafrost and potentially deep overburden.

CERTIFICATE

I, GRAHAM DAVIDSON, of the City of Whitehorse, in the Yukon Territory, HEREBY CERTIFY:

1. That I am a consulting geologist and that I have examined and worked on the subject property in July, 1995.

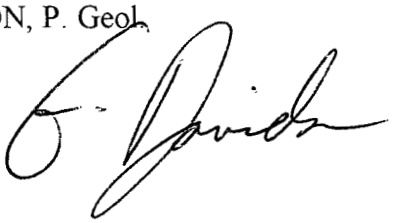
2. That I am a graduate of the University of Western Ontario (H. BSc., Geology, 1981).

3. That I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists & Geophysicists of Alberta (No. 42038).

4. That I have been engaged in mineral exploration on a full time basis for eleven years in the Yukon and Northwest Territories, and British Columbia.

SIGNED at Whitehorse, Yukon this 15 day of February, 1996.

G.S. DAVIDSON, P. Geol.



REFERENCES

Lee G.C., 1982; Guder Creek Magnetometer Survey, private report

APPENDIX 1

Geophysical Data

EDA OMNI-IV Tie-line MAG Ser #254144				
TOTAL FIELD DATA (Base stn. corrected)				
Date: 19 JUL 95				
Operator: 3000				
Reference field: 57500.0				
Datum subtracted: 0.0				
Records: 135				
Bat: 16.9 Volt Lithium: 3.48 Volt				
Last time update: 7/19 8:47:00				
Start of print: 7/19 22:28:49				
Base stn. Pos: 10+30 N Line: 12+50 E				
Last time update: 7/19 8:47:00				
Start of print: 7/19 22:28:46				
#1 56559.1 .00 -189.4 16:17:49 88				
Line: 10+00 E Date: 19 JUL 95 #2				
POSITION FIELD ERR DRIFT TIME DS				
10+00 N 57331.2 .08 -189.3 16:18:39 87				
9+95 N 57357.9 .06 -189.3 16:19:03 88				
9+90 N 57357.1 .06 -189.4 16:19:18 87				
9+85 N 57375.5 .07 -189.6 16:19:38 88				
9+80 N 57368.3 .07 -189.9 16:19:53 88				
9+75 N 57375.8 .06 -190.2 16:20:42 88				
9+70 N 57400.2 .06 -190.2 16:20:58 88				
9+65 N 57320.6 .07 -190.3 16:21:36 88				
9+60 N 57198.6 .07 -190.5 16:22:25 88				
9+55 N 57258.9 .08 -190.8 16:24:07 87				
9+50 N 57323.3 .07 -191.1 16:24:40 88				
9+45 N 57339.6 .07 -191.6 16:26:07 88				
9+40 N 57398.6 .08 -191.7 16:26:33 87				
9+35 N 57482.4 .06 -191.4 16:27:53 88				
9+30 N 57587.4 .06 -191.5 16:28:20 88				
9+25 N 57687.3 .07 -191.7 16:29:05 88				
9+20 N 57770.7 .06 -191.9 16:29:33 88				
9+15 N 57838.2 .06 -192.2 16:30:59 88				
9+10 N 57813.4 .07 -192.4 16:31:33 87				
9+05 N 57790.6 .06 -192.4 16:32:16 88				
9+00 N 57715.1 .06 -192.4 16:32:41 88				
8+95 N 57615.3 .07 -192.8 16:34:06 88				
8+90 N 57553.2 .06 -192.9 16:34:43 88				
Line: 10+50 E Date: 19 JUL 95 #25				
POSITION FIELD ERR DRIFT TIME DS				
8+90 N 57725.1 .06 -192.1 16:37:47 88				
8+95 N 57740.4 .05 -192.1 16:38:21 88				
9+00 N 57717.7 .06 -192.1 16:38:38 88				
9+05 N 57643.9 .06 -191.0 16:39:56 88				
9+10 N 57586.6 .06 -190.7 16:40:16 88				
9+15 N 57499.0 .06 -190.1 16:40:45 88				

9+20 N 57435.9 .06 -189.8 16:40:58 88	
9+25 N 57313.9 .07 -189.2 16:41:54 88	
9+30 N 57207.0 .07 -189.1 16:42:10 87	
9+35 N 57162.0 .07 -188.6 16:42:45 88	
9+40 N 57126.6 .07 -188.1 16:43:07 88	
9+45 N 57170.7 .06 -187.4 16:44:13 87	
9+50 N 57175.2 .06 -187.4 16:44:27 88	
9+55 N 57331.7 .06 -187.6 16:44:47 88	
9+60 N 57352.0 .07 -187.6 16:45:02 88	
9+65 N 57427.0 .06 -186.8 16:46:26 88	
9+70 N 57519.3 .07 -187.1 16:46:51 88	
9+75 N 57472.6 .06 -187.0 16:47:21 88	
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9+90 N 57743.9 .06 -184.6 16:49:35 88	
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10+00 N 57852.3 .05 -183.5 16:51:21 88	
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9+80 N 57395.1 .06 -178.0 17:00:45 88	
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9+20 N 57557.1 .06 -173.3 17:10:50 88	
9+15 N 57578.3 .06 -172.5 17:12:00 88	
9+10 N 57687.2 .06 -172.2 17:12:30 88	
9+05 N 57834.1 .06 -171.8 17:13:02 88	
9+00 N 57814.1 .06 -171.7 17:13:20 88	
8+95 N 57847.8 .05 -170.6 17:14:23 88	
8+90 N 57860.8 .06 -170.9 17:14:44 88	
8+85 N 57891.8 .05 -170.6 17:15:18 88	
8+80 N 57863.7 .05 -169.8 17:15:35 88	
Line: 9+00 E Date: 19 JUL 95 #77	
POSITION FIELD ERR DRIFT TIME DS	
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8+85 N 57887.4 .06 -164.2 17:19:09 88	
8+90 N 57913.3 .07 -164.0 17:19:23 88	
8+95 N 57902.1 .06 -163.9 17:19:58 88	
9+00 N 57850.0 .06 -163.8 17:20:12 88	
9+05 N 57831.1 .05 -163.1 17:21:02 88	
9+10 N 57908.8 .06 -163.1 17:21:18 88	
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9+30 N 57722.8 .08 -161.0 17:23:04 88	
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9+85 N 57446.0 .06 -153.6 17:29:41 88	
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8+00 N	57476.5	.06	-150.4	17:50:03	88
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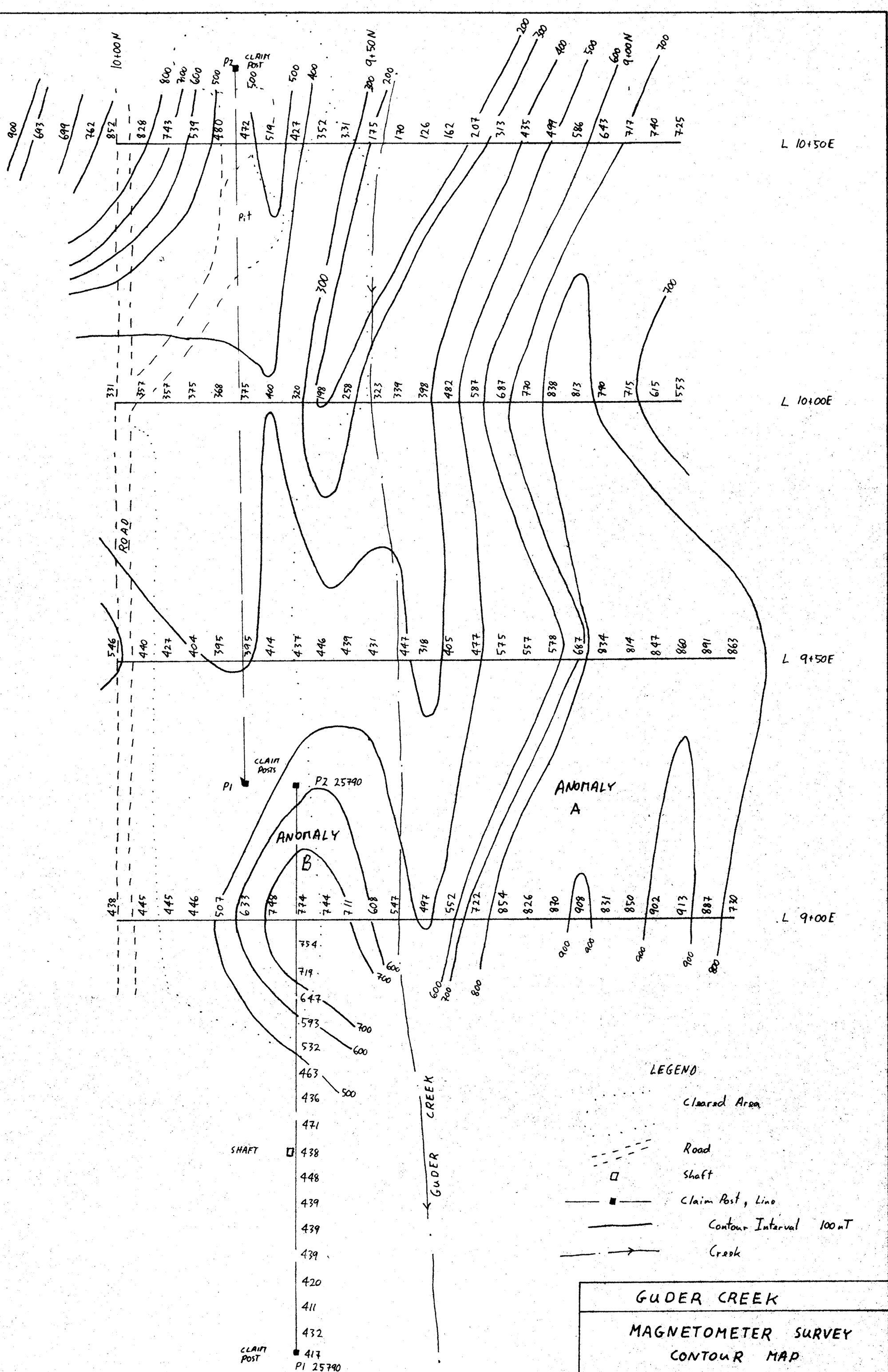
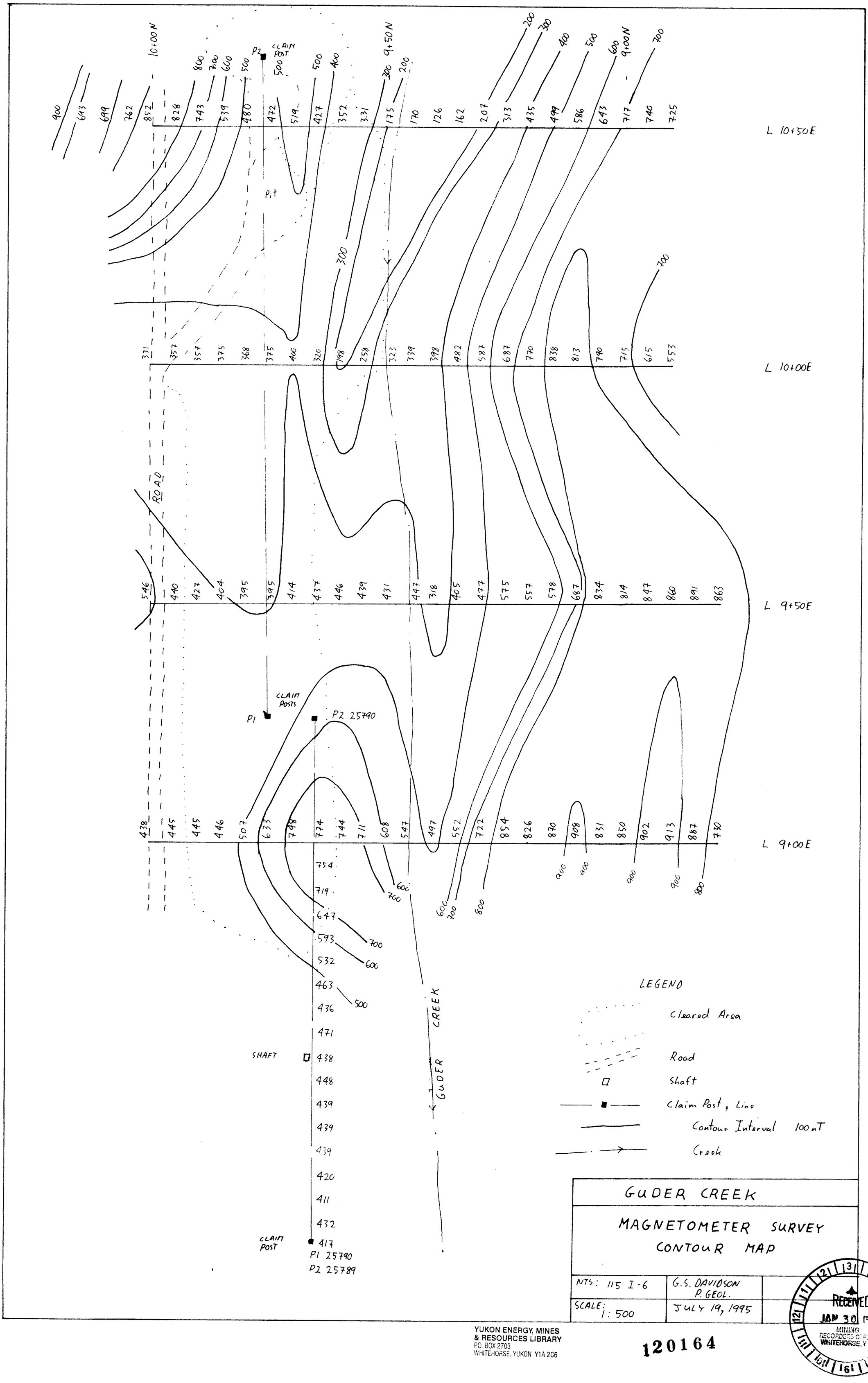


GUDER CREEK

MAGNETOMETER SURVEY
CONTOUR MAP

NTS: 115 I-6	G.S. DAVIDSON P. GEOL.	Fig. 3
SCALE: 1:500	JULY 19, 1995	



GUDER CREEK

MAGNETOMETER SURVEY
CONTOUR MAP

NTS: 115 I-6	G.S. DAVIDSON P. GEOL.	
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