

92NE046(9W) Riverside
-07

009917

A.R. 9558
92I/9W

~~H.I.~~ H.I. # 46

RIVERSIDE

TABLE OF CONTENTS

INTRODUCTION 1

GENERAL AND PRELIMINARY 2

DESCRIPTION 3

ON

LOCATION AND CLAIM 4

MAC CLAIM

KAMLOOPS MINING DIVISION

92I-9W

(120° 06' N, 50° 42' W)

EXPLORATION PROCEDURE 5

CONTACT 6

FOR

MIDNAPORE RESOURCES INCORPORATED

MINERALIZATION 7

CONCLUSIONS AND RECOMMENDATIONS 8

REFERENCES 9

CERTIFICATE OF QUALIFICATION 10

APPENDIX

BY

Grant Crooker, B.Sc.
Geologist
WESTRIDGE ENTERPRISES LTD.

1 Location Map (Frontplate)

2 Detail Geology - Scale 1:250 2

3 Geology and Sample Plan - Tranch A - Scale 1:250 3

4 Geology and Sample Plan - Tranch B - Scale 1:250 4

5 Geology and Sample Plan - Tranch C - Scale 1:250 5

6 Geology and Sample Plan - Tranch D - Scale 1:250 6

PROPERTY FILE

August, 1981

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY AND RECOMMENDATIONS.....	(Front)
INTRODUCTION	
General.....	1
Location and Access.....	1
Physiography.....	1
Property and Claim Status.....	1
History and Previous Work.....	2
EXPLORATION PROCEDURE.....	2
GEOLOGY.....	
Claim Geology.....	3
Mineralization.....	3
CONCLUSIONS AND RECOMMENDATIONS.....	6
REFERENCES.....	7
CERTIFICATE OF QUALIFICATIONS.....	8
APPENDIX	
Certificate of Analysis	

ILLUSTRATIONS

Figure	<u>Page</u>
1 Location Map.....	(Frontispiece)
2 Detail Geology Scale= 1:1250.....	2
3 Geology and Sample Plan..... Trench B Scale 1:125	3
4 Geology and Sample Plan..... Road Cut Scale 1:125	4
5 Geology and Sample Plan..... Trench R Scale 1:125	5
6 Geology and Sample Plan..... Adit L Scale 1:125	5

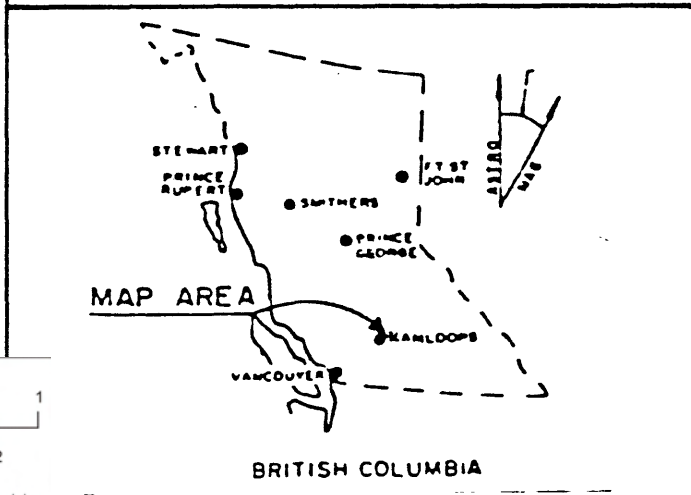
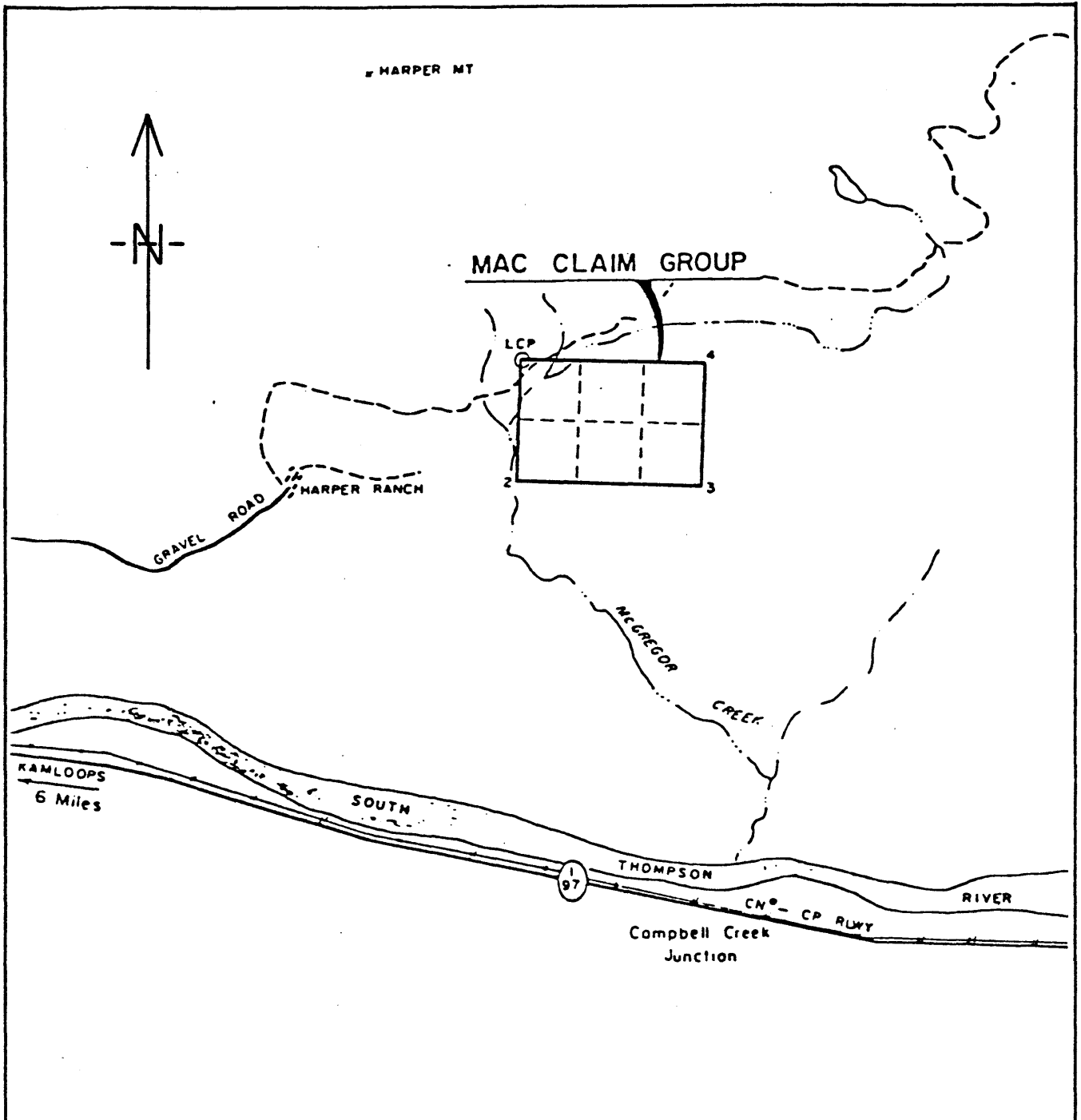
SUMMARY AND RECOMMENDATIONS

The MAC claim consists of 6 units and is located in the Kamloops Mining Division. The property is located 17 kilometers east of Kamloops and is under option to purchase by Midnapore Resources Inc.

Gold mineralization is related to quartz veins and quartz stockworks within a wide shear zone. The shear zone has a strike length of at least 240 meters and a width of 40 meters.

Results of the sampling indicate higher grade mineralization is spotty. However, a number of samples returned values of 0.05 oz/ton gold or greater over widths of up to 200 centimeters. Taking this fact, as well as the large size of the shear zone, into consideration a good possibility exists to develop a significant tonnage of lower grade material.

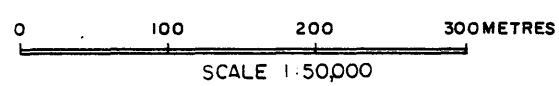
Recommendation is to drill 6 percussion holes to the south of the trenches to test the size and grade of the structure.



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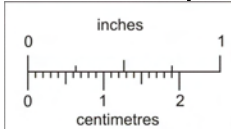
WESTRIDGE ENTERPRISES LTD.

LOCATION MAP
MAC CLAIM GROUP



DRAWN BY G. CROOKER
DATE AUG. 1981

NTS 92 1 / 9W
FIGURE NO. 1



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

INTRODUCTION

General

Field work was carried out on the property, by the Author, from June 23 to June 28, 1981.

Detailed geological mapping, and sampling were carried out in workings exposing quartz veins and quartz stockworks.

Location and Access

The MAC claim is located 17 kilometers east of Kamloops, on the north side of the South Thompson River (Figure 1) in the Kamloops Mining Division (92I/9W).

Access is from Highway #5, at Kamloops, east along the north side of the South Thompson River to the Harper Ranch. From the Harper Ranch the Dinanton Lake road passes through the property. (Figure 1).

Physiography

The MAC claim is located in the Okanagan Highlands. Topography consists of rolling hills with occasional steep slopes. Elevation varies from 1,800 feet to 2,800 feet above sea level.

Pine trees, sage brush and bunchgrass cover the hills.

Property and Claim Status

The MAC claim consists of six units and is held under option-to-purchase by Midnapore Resources Incorporated.

<u>Claim</u>	<u>Record No.</u>	<u>Expiry Date</u>
MAC	66(7)	July 9, 1985

History and Previous Work

The claim area was originally known as the Kamloops Gold Fields property. Ministry of Mines Reports for 1913, 1914 and 1932, as well as GSC Memoir #249, mention small shipments of ore from the property.

The shipments were each in the order of 3 tons of ore averaging from 0.37 to 0.84 ounces of gold and up to 4.60 ounces of silver per ton.

Recent work has consisted of geological mapping, rock sampling and soil sampling.

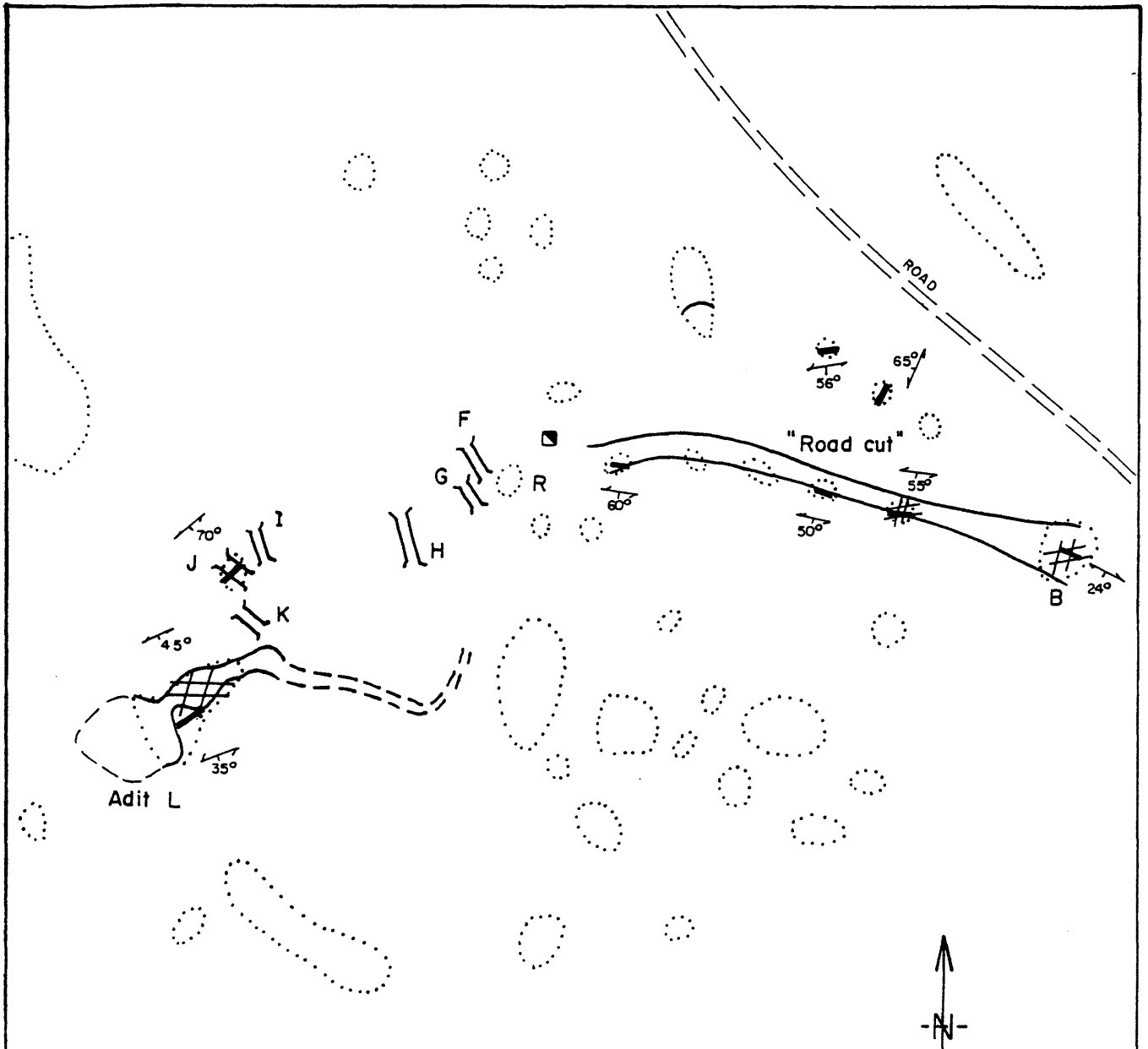
EXPLORATION PROCEDURE

The 1981 field program conducted on the MAC claim consisted of detailed geological mapping and sampling of four trenches.








A TD-8 bulldozer was used to clean out the trenches so the outcrop could be mapped and sampled in detail.

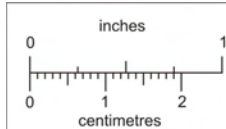
Geological mapping was carried out at a scale of 1:125.

Thirty-one rock geochemical samples were taken and analyzed for gold and silver. The samples were sent to Ross-Bacher Laboratory Ltd., Burnaby, B.C. for analysis. Laboratory techniques for geochemical analysis include grinding the samples to minus 80 mesh. Silver is analyzed by nitric, perchloric digestion, while gold is analyzed by aqua-regia digestion. Concentrations of elements are determined by Atomic Absorption.

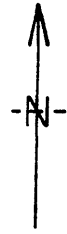



LEGEND

-  Grey, grey-green chert breccia
-  Rusty, weathered shear zone
-  Quartz vein
-  Quartz stockwork
-  Strike & dip of quartz vein
-  Trench
-  Outcrop boundary



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



MIDNAPORE RESOURCES INC. VANCOUVER, B.C.	
WESTRIDGE ENTERPRISES LTD.	
DETAIL GEOLOGY MAC CLAIM	
 SCALE 1:1250	

DRAWN BY G. CROOKER
DATE AUG. 1981

N.T.S. 921 / 9 W
FIGURE Nº. 2

GEOLOGY

Claim Geology

The claim area is underlain by the Cache Creek group of Paleozoic age. The Cache Creek consists of argillite, quartzite greenstone, limestone and breccia.

The MAC claim is underlain by the chert breccia. (Figure 2). The breccia is grey to grey-green, and composed of fragments of argillite, chert and quartzite in a silicious matrix. The fragments are usually 5 to 50 millimeters in diameter, although larger fragments are occasionally found.

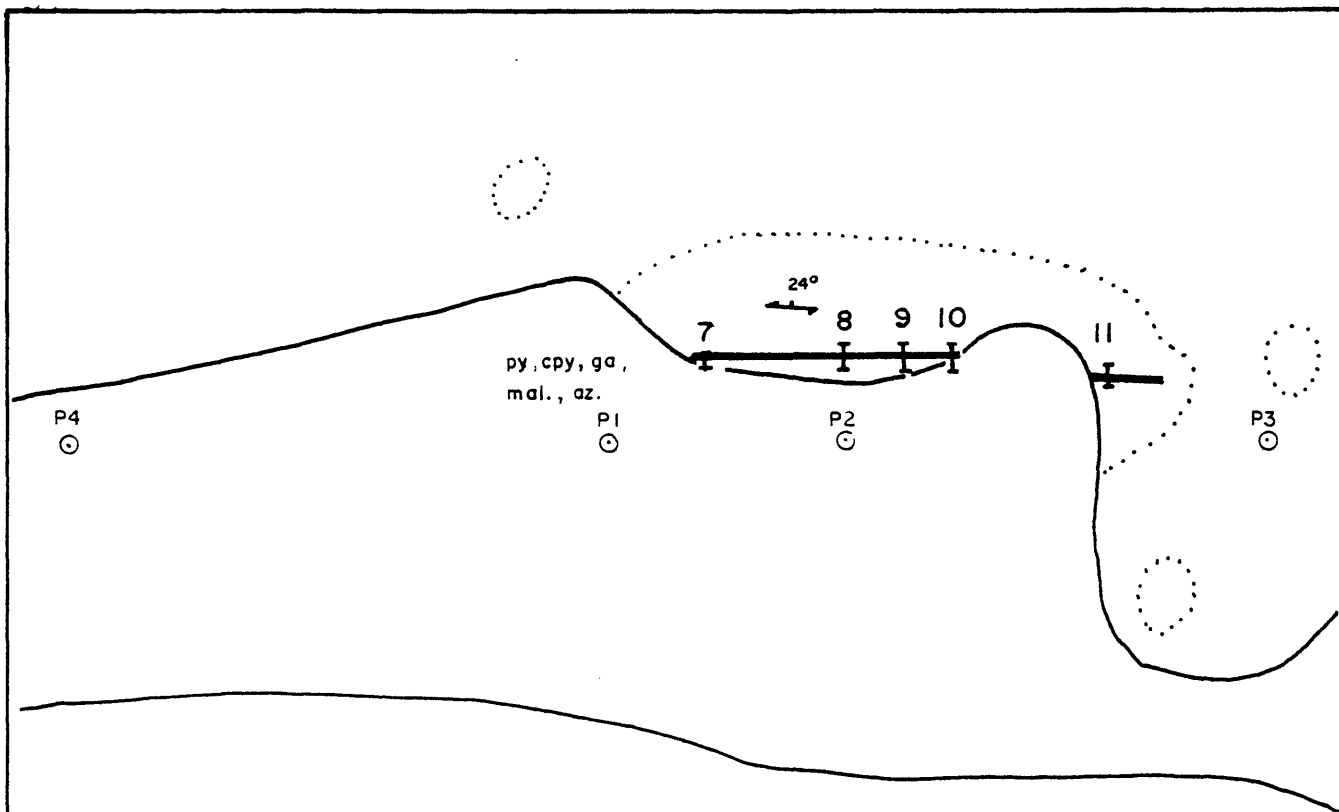
A large shear zone cuts across the property. This zone consists of rusty, sheared material, and is at least 240 meters long and 50 meters wide, as observed in the workings.

MINERALIZATION

Mineralization consists of quartz veins and quartz stringers within a shear zone. In several places a number of quartz veins are found, and they form a quartz stockwork. Generally the quartz veins strike easterly and dip moderately to the south.

Trench "B" (Figures 2 & 3) exposes a quartz vein which strikes east-west and dips at 40° to 50° to the south. The vein is up to 1.0 meters wide, and is composed of white or rusty quartz. Pyrite, along with minor amounts of chalcopyrite, galena, malachite and azurite were found.

Five chip samples were taken and sent for geochemical analysis for gold and silver.



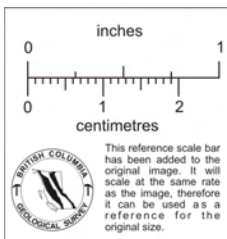
SAMPLE PLAN

Sample No	Width m.	Silver		Gold		Material
		ppm	oz/ton	ppb	oz/ton	
7	0.20	24.0	0.71	1,540	0.045	quartz vein
8	0.45	16.8	0.49	1,180	0.035	" "
9	0.45	26.0	0.76	1,040	0.031	" "
10	0.50	51.0	1.50	2,700	0.079	" "
11	0.40	13.0	0.38	1,520	0.045	" "



LEGEND

- Rusty, weathered, shear zone
- 45 Strike & dip of quartz vein
- Quartz vein
- Trench
- Rock sample location
- Outcrop boundary
- PI Survey point
- py Pyrite
- cpy Chalcopyrite
- ga Galena
- mal Malachite
- az Azurite



MIDNAPORE RESOURCES INC. VANCOUVER, B.C.	
WESTRIDGE ENTERPRISES LTD.	
GEOLOGY & SAMPLE PLAN TRENCH B	
 SCALE 1:125	
DRAWN BY G. CROOKER DATE AUG. 1981	N.T.S. 92 I / 9 W FIGURE No. 3

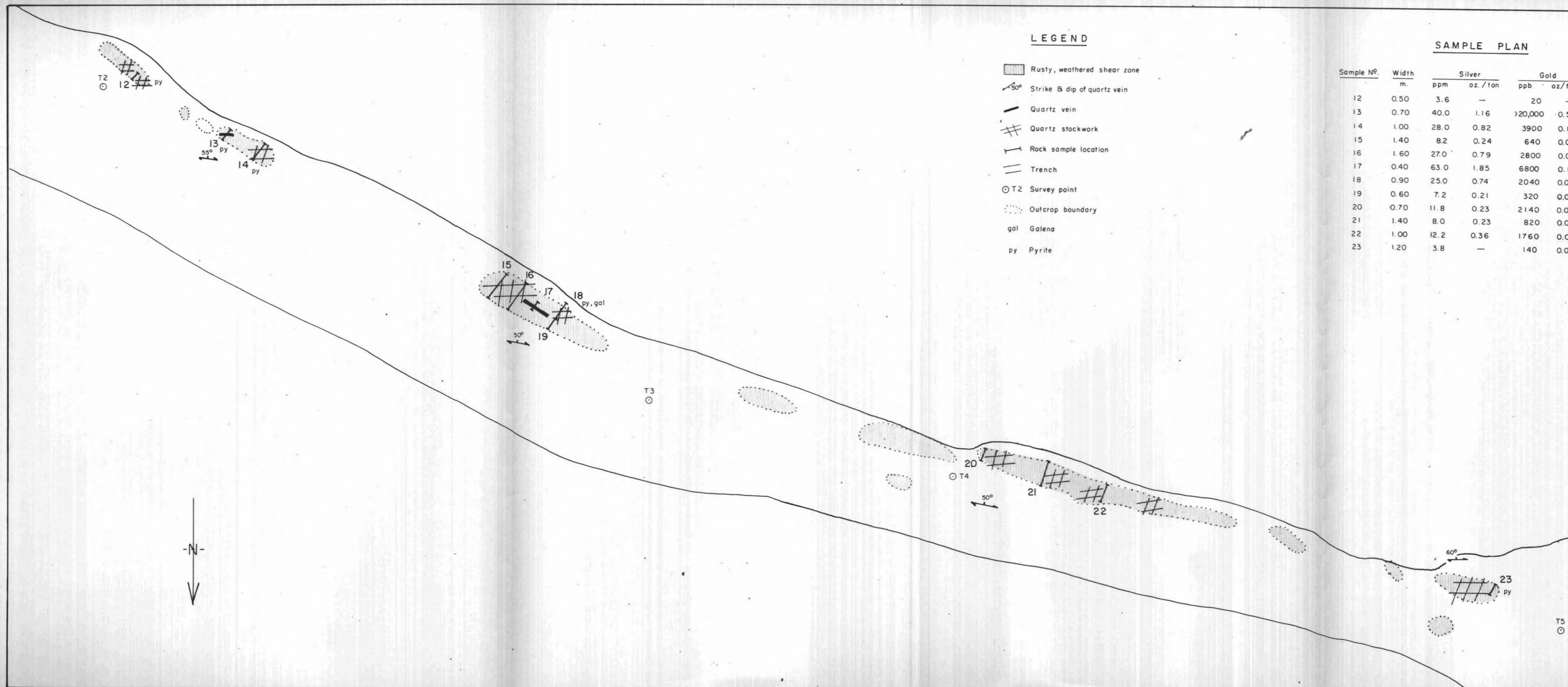
Results are as follows: The values have been converted to ounces per ton, using the following conversion - (34 ppb= 0.001 oz/ton, 34 ppm= 0.1 oz/ton).

<u>Sample No.</u>	<u>Width (Meters)</u>	<u>Ag ppm (oz/ton)</u>	<u>Au ppb (oz/ton)</u>	<u>Description</u>
7	0.20	24.0 (0.71)	1,540 (0.045)	Vein
8	0.45	16.8 (0.49)	1,180 (0.035)	"
9	0.45	26.0 (0.76)	1,040 (0.031)	"
10	0.50	51.0 (1.50)	2,700 (0.079)	"
11	0.40	13.0 (0.38)	1,520 (0.045)	"

The 'road cut' (Figures 2 & 4) is approximately 100 meters long. A number of quartz veins and quartz stringers, outcrop along the cut. In a number of places quartz stockwork zones are formed.

The veins and stringers strike east-west and dip 50° to 55° to the south. Twelve samples were taken and the results are as follows:

<u>Sample No.</u>	<u>Width (Meters)</u>	<u>Ag ppm (oz/ton)</u>	<u>Au ppb (oz/ton)</u>	<u>Description</u>
12	0.50	3.6 (-)	20 (-)	Stockwork
13	0.70	40.0 (1.16)	20,000 (0.588)	Vein
14	1.00	28.0 (0.82)	3,900 (0.115)	Stockwork
15	1.40	8.2 (0.24)	640 (0.019)	" "
16	1.60	27.0 (0.79)	2,800 (0.08)	" "
17	0.40	63.0 (1.85)	6,800 (0.194)	Vein
18	0.90	25.0 (0.74)	2,040 (0.058)	Stockwork
19	0.60	7.2 (0.21)	320 (0.009)	Shear
20	0.70	11.8 (0.28)	2,140 (0.063)	Stockwork
21	1.40	8.0 (0.23)	820 (0.024)	" "

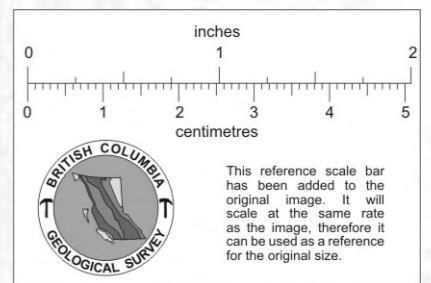


LEGEND

- Rusty, weathered shear zone
- Strike & dip of quartz vein
- Quartz vein
- Quartz stockwork
- Rock sample location
- Trench
- T2 Survey point
- Outcrop boundary
- Galena
- Pyrite

SAMPLE PLAN

Sample No.	Width m.	Silver		Gold		Material
		ppm	oz./ton	ppb	oz./ton	
12	0.50	3.6	—	20	—	quartz stockwork
13	0.70	40.0	1.16	>20,000	0.588	quartz vein
14	1.00	28.0	0.82	3900	0.115	quartz stockwork
15	1.40	8.2	0.24	640	0.019	" "
16	1.60	27.0	0.79	2800	0.08	" "
17	0.40	63.0	1.85	6800	0.194	quartz vein
18	0.90	25.0	0.74	2040	0.058	quartz stockwork
19	0.60	7.2	0.21	320	0.009	shear
20	0.70	11.8	0.23	2140	0.063	quartz stockwork
21	1.40	8.0	0.23	820	0.024	" "
22	1.00	12.2	0.36	1760	0.052	shear
23	1.20	3.8	—	140	0.004	quartz stockwork



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VANCOUVER, B.C.

WESTRIDGE ENTERPRISES LTD.

**GEOLOGY & SAMPLE PLAN
ROAD CUT**

0 2.5 5.0 7.5 METRES
SCALE 1:1250

DRAWN BY G. CROOKER N.T.S. 921/9W
DATE AUG. 1981 FIGURE No. 4

<u>Sample No.</u>	<u>Width (Meters)</u>	<u>Ag ppm (oz/ton)</u>	<u>Au ppb (oz/ton)</u>	<u>Description</u>
22	1.00	12.2 (0.36)	1,760 (0.052)	Shear
23	1.20	3.8 (-)	140 (0.004)	Vein

Trench "R" (Figures 2 & 4) expose the shear zone with relatively minor silicification.

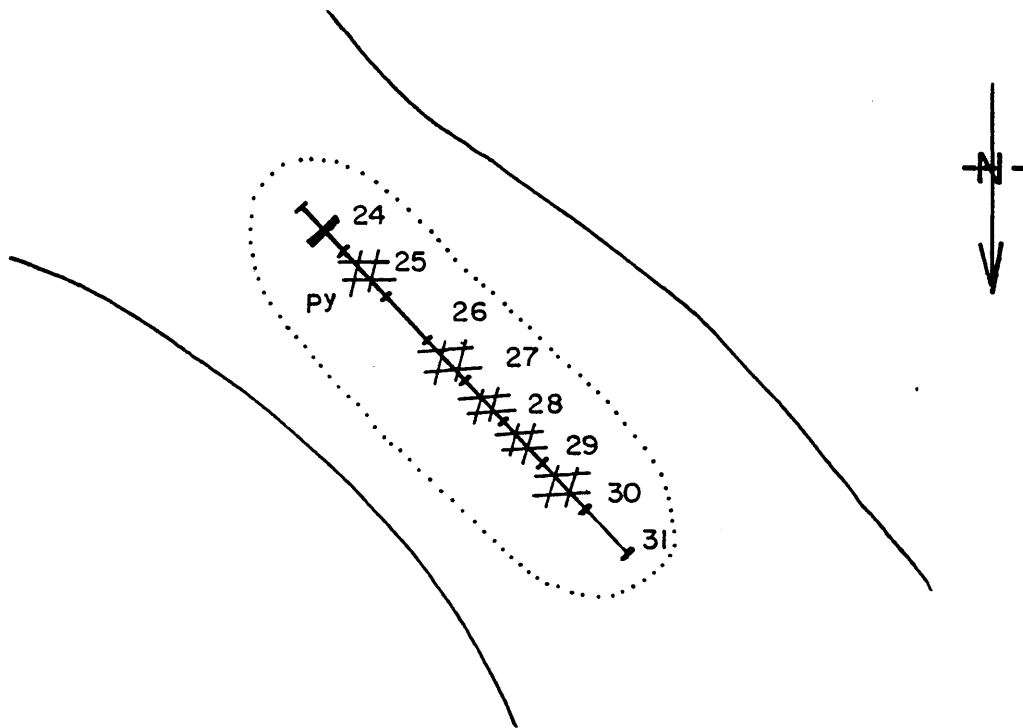
Eight samples were taken and the results are as follows:

<u>Sample No.</u>	<u>Width (Meters)</u>	<u>Ag ppm (oz/ton)</u>	<u>Au ppb (oz/ton)</u>	<u>Description</u>
24	1.0	0.6 (-)	140 (0.004)	Shear
25	1.0	0.2 (-)	20 (-)	Stockwork
26	1.0	0.2 (-)	10 (-)	Shear
27	1.0	0.2 (-)	40 (-)	Stockwork
28	1.0	0.4 (-)	80 (0.002)	" "
29	1.0	1.4 (-)	240 (0.007)	" "
30	1.0	0.2 (-)	30 (-)	" "
31	1.0	3.8 (-)	180 (0.005)	Shear

The area of Adit "L" (Figures 2 & 6) exposes a number of quartz veins and quartz stringers. The veins generally strike ENE and dip at 33° to 54° to the south. The veins are formed of white, rusty quartz with occasional minor pyrite.

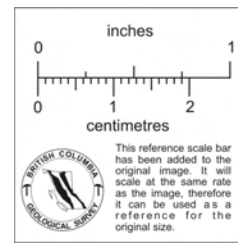
Five samples were taken and the results are as follows:

<u>Sample No.</u>	<u>Width (Meters)</u>	<u>Ag ppm (oz/ton)</u>	<u>Au ppb (oz/ton)</u>	<u>Description</u>
1	0.30	7.0 (0.21)	1,060 (0.031)	Vein
2	0.80	1.4 (-)	220 (0.006)	Stockwork
3	0.85	23.0 (0.62)	11,000 (0.324)	Vein
4	2.00	7.8 (0.23)	1,800 (0.053)	Stockwork
5	1.60	6.6 (0.19)	1,900 (0.056)	" "



SAMPLE PLAN

Sample No.	Width m.	Silver		Gold		Material
		ppm	oz/ton	ppb	oz/ton	
24	1.0	0.6	-	140	0.004	shear
25	1.0	0.2	-	20	-	quartz stockwork
26	1.0	0.2	-	10	-	shear
27	1.0	0.2	-	40	-	quartz stockwork
28	1.0	0.4	-	80	0.002	" "
29	1.0	1.4	-	240	0.007	" "
30	1.0	0.2	-	30	-	" "
31	1.0	3.8	-	180	0.005	shear



LEGEND

- Rusty, weathered shear zone
- Quartz stockwork
- Rock sample location
- Trench
- Outcrop boundary
- Quartz vein
- py Pyrite

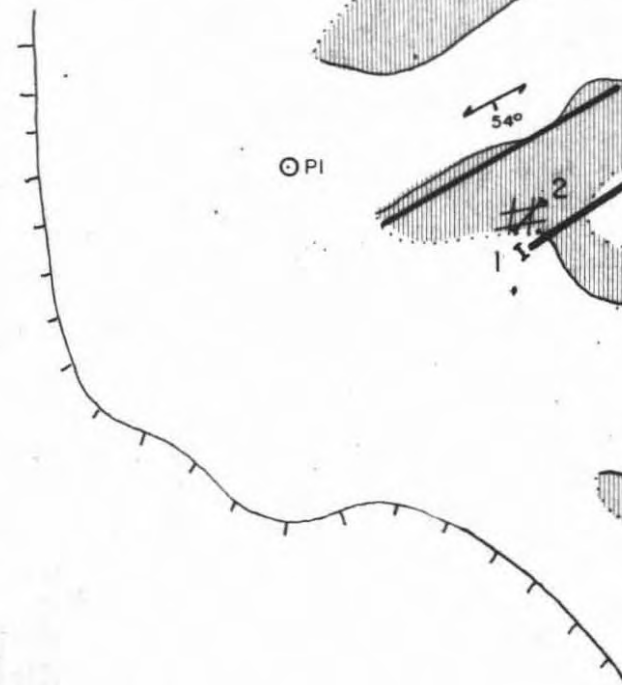
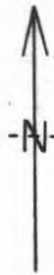
MIDNAPORE RESOURCES INC.
VANCOUVER, B.C.

WESTRIDGE ENTERPRISES LTD.

GEOLOGY & SAMPLE PLAN
TRENCH R

SCALE 1:125

DRAWN BY G. CROOKER NTS 92 I / 9W
DATE AUG. 1981 FIGURE NO. 5

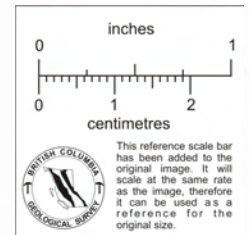


SAMPLE PLAN

Sample No.	Width m.	Silver		Gold		Material
		ppm	oz/ton	ppb	oz/ton	
1	0.30	7.0	0.21	1060	0.031	quartz vein
2	0.80	1.4	-	220	0.006	quartz stockwork
3	0.35	23.0	0.62	11,000	0.324	quartz vein
4	2.00	7.8	0.23	1800	0.053	quartz stockwork
5	1.60	6.6	0.19	1900	0.056	" "

LEGEND

- Rusty, weathered shear zone
- Survey point
- Strike & dip of quartz vein
- Quartz vein
- Quartz stockwork
- Rock sample location
- Rock dump
- Trench
- Outcrop boundary
- Pyrite



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WESTRIDGE ENTERPRISES LTD.

GEOLOGY & SAMPLE PLAN
ADIT L

0 2.5 5.0 7.5 METRES
SCALE 1 : 1250

DRAWN BY G. CROOKER N.T.S. 92 I / 9 W
DATE AUG. 1981 FIGURE NO. 6

CONCLUSIONS AND RECOMMENDATIONS

A shear zone with quartz veins and quartz stringers is found on the property. At a number of locations the veins and stringers form a quartz stockwork. The shear zone has a mapped length of 240 meters and a width of 50 meters. A VLF-EM survey carried out in 1980 indicated the shear zone extended at least another 300 meters to the west.

Sampling of the quartz veins and stringers gave interesting values. Results of interest varied from a high of 0.588 oz/ton gold over 70 centimeters to 0.053 oz/ton gold over 200 centimeters. Minor silver values of up to 1.83 oz/ton were also found.

The sampling demonstrated that the chances of finding a high grade, low tonnage gold deposit are not great. However, a number of samples gave values of 0.050 oz/ton or greater over widths of up to 200 centimeters. This fact, along with the large size of the shear zone give a possibility of finding a large tonnage, low grade gold silver deposit.

Recommendations are as follows:

- 1) Six percussion holes be drilled at 50 meter intervals on the south side of the trenches, starting at Trench B and proceeding west to Adit L. The drilling would indicate the extent of the quartz stockwork zones and the values within them.
- 2) If the results of Phase 1 are favourable then additional drilling should be carried out, with the type and location determined by the Phase 1 results.

Respectfully submitted,



Grant Crooker, B.Sc.,
Geologist

REFERENCES

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1948

Crooker, G. F. - Progress Report on MAC Claim, Kamloops Mining
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Elwell, J. P. - Report on the MAC Claim, Kamloops Area, Kamloops
Mining Division, B.C., for McLeod Copper Ltd., July 14th, 1975

Elwell, J. P. - Geochemical Report on the MAC Claim, Kamloops
Mining Division, B.C., for West Provident Resources Ltd.,
April 28, 1978, Assessment Report No. 6817

CERTIFICATE OF QUALIFICATIONS

I, Grant F. Crooker, B.Sc., Geology of Box 234,
Keremeos, British Columbia, state as follows:

- 1) That I graduated from the University of British Columbia in 1972 with a Bachelor of Science degree in Geology.
- 2) That I have prospected and actively pursued geology prior to my graduation and have practiced my profession since 1972.
- 3) That I am a member of the Canadian Institute of Mining and Metallurgy.
- 4) That I am a Fellow of the Geological Association of Canada.
- 5) That I am employed by Westridge Enterprises Ltd., 2,000 Arbury Avenue, Coquitlam, B.C.
- 6) That I am the owner of 4,000 shares of Midnapore Resources Inc.

DATED at Vancouver, British Columbia this 14th day of August, 1981.



Grant Crooker, B.Sc.
Geologist

Rossbacher Laboratory

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
 BURNABY, B. C.
 CANADA
 TELEPHONE: 299-6910
 AREA CODE: 604
 CERTIFICATE NO. 81176

CERTIFICATE OF ANALYSIS

WESTRIDGE ENTERPRISES LTD.

TO: 2000 Arbury Ave.
 Coquitlam, B.C.

INVOICE NO. 1328
 DATE ANALYSED JULY 10/81
 PROJECT

No.	Sample	pH	Mo	Cu	Hg	PDB Au	Ag Cu					No.
01	# 01			.21	7.0	1060	.031					01
02	02			-	1.4	220	.006					02
03	03			.02	23.0	11,000	.324					03
04	04			.23	7.8	1,800	.053					04
05	05			.19	6.6	1,900	.056					05
06	06			-	0.6	10	-					06
07	07			.71	24.0	1,540	.045					07
08	08			.49	16.8	1,180	.035					08
09	09			.76	26.0	1,040	.031					09
10	10			1.5	51.0	2,700	.079					10
11	11			.38	13.0	1,520	.045					11
12	12			-	3.6	20	-					12
13	13			1.16	40.0	20,000	.580					13
14	14			.82	28.0	3,900	.115					14
15	15			.24	8.2	640	.019					15
16	16			.79	27.0	2,800	.08					16
17	17			1.25	63.0	6,800	.194					17
18	18			.74	25.0	2,040	.058					18
19	19			.21	7.2	320	.007					19
20	20			.34	11.8	2,140	.063					20
21	21			.03	8.0	820	.004					21
22	22			.36	12.2	1,760	.052					22
23	23			-	3.8	380	.011					23
24	24			-	0.6	140	.004					24
25	25			-	0.2	20	-					25
26	26			-	0.2	10	-					26
27	27			-	0.2	40	-					27
28	28			-	0.4	80	.002					28
29	29			-	1.4	240	.007					29
30	30			-	0.2	30	-					30
31	# 31			-	3.8	180	.005					31
32												32
33												33
34												34
35												35
36												36
37												37
38												38
39												39
40												40

Certified by

J. Rossbacher