ARIS SUMMARY SHEET

District Geologist, Nelson — Off Confidential: 92.08.22

ASSESSMENT REPORT 22394 — MINING DIVISION: Nelson

PROPERTY: Britannia
LOCATION: LAT 49 25 30 LONG 117 17 27
UTM 11 5474524 478908
NTS 082F06W

CAMP: 004 Ymir - Nelson Area

CLAIM(S): Britannia (L.3253)
OPERATOR(S): Jordan, R.P.
AUTHOR(S): Jordan, R.P.
REPORT YEAR: 1992, 18 Pages
KEYWORDS: Jurassic,Elise Formation,Schists
WORK
DONE: Geochemical,Prospecting
PROS 25.0 ha
RELATED
REPORTS: 21277

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,394

Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
Geochemical/soil sampling	$854.80

AUTHOR(S) R. Jordan SIGNATURE(S)

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED August 22 1991 YEAR OF WORK 1991

PROPERTY NAME(S) Britannia (Rec.No.6108)

COMMODITIES PRESENT n.a.

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN n.a.

MINING DIVISION Nelson NTS 82F6/W.

LATITUDE 49°25'30" North LONGITUDE 117°17'27" West

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)):

Britannia (re.no.6108) 1 unit(fractional)

OWNER(S)

(1) R.Jordan (2) W.R.Reader

MAILING ADDRESS

RR1, Priddis,Ab. T0L 1W0 Box B-1, RR3, Carp, Ont. K0A 1L0

OPERATOR(S) (that is, Company paying for the work)

(1) R. Jordan (2)

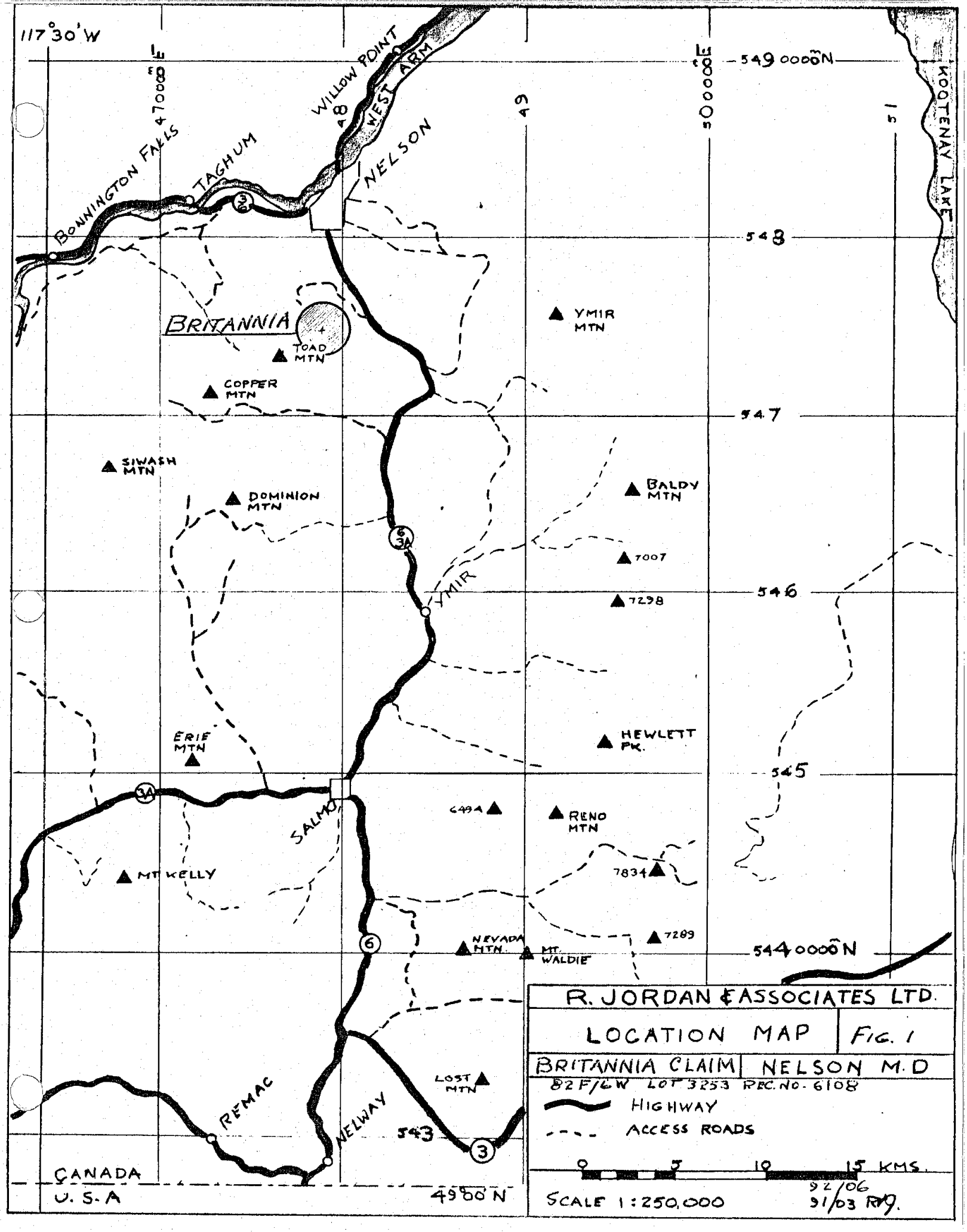
MAILING ADDRESS

RR1 Priddis, Ab. T0L 1W0

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

Property is located adjacent to the north edge of the Silver King Shear in undivided Upper Elise formation sheared and altered volcanics of the Lower Jurassic Rossland Group. In the southern third of the claim these rocks have been intruded by a feldspar porphyry stock (unit Jsk).

REFERENCES TO PREVIOUS WORK Assessment Report 21277



R. JORDAN & ASSOCIATES LTD.

LOCATION MAP | FIG. 1

BRITANNIA CLAIM | NELSON M.D

82F/6W LOT 3253 REC. NO. 6108

HIGHWAY

ACCESS ROADS

0 5 10 15 KMS.

SCALE 1:250,000

92/06
91/03 RMJ.

BRITANNIA CLAIM

REPORT ON SUPPLEMENTARY GEOCHEMICAL SAMPLING
BRITANNIA CLAIM
NELSON MINING DIVISION
NTS MAP SHEET 82 F/6W
49°25'30"NORTH 117°17'27"WEST

AUTHOR: R.JORDAN, P.ENG.

OPERATOR: R.JORDAN

OWNERS: R.JORDAN 50%, W.R.READER 50%

June 1992

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LIST OF TABLES AND FIGURES

1.0 SUMMARY

The Britannia is a reverted two post crown granted mineral claim which was purchased at the March 15th 1990 Nelson,B.C. sale by R.Jordan. A 50% interest was subsequently purchased by W.R.Reader The claim is situated on the north-east side of the Silver King Groupp and was staked on September 1st 1894. The location is on the north-east side of Toad Mountain 6 kilometres south of Nelson, and is accessible from Highway 6 by six kilometers of steep rough logging roads.

Exploratory geochemical sampling, conducted during the summer of 1990, found anomalous gold values near the south end of the sampling program. 1991 sampling was conducted across this anomaly on a 25 meter grid at 12.5 meter intervals.

2.0 INTRODUCTION

This report covers geochemical soil sampling done on July 18th 1991 by R. Jordan, W.R. Reader and P. Reader.

2.1 Location, access and phsiography.

The Britannia claim is located on the east side of a north-easterly trending ridge of Toad Mountain at elevations between 1675 and 1825 metres. Summer access is provided by logging roads from Highway 6. A complete description is included in assessment report 21277.

2.2 Property description and previous history

The claim is located in the Nelson Mining Division in map area 82F 6/W R. Jordan and W.R. Reader are co-owners. Record data is listed below:

CLAIM NAME	UNITS	REC.NO.	STAKING DATE	AQUISITION DATE
Britannia	1	6108	Sept.1 1894	March 15 1990

No exploration activity has been noted in the immediate area since our 1990 sampling. More details can be found in AR21277.

2.3 1991 EXPLORATION

This program was carried out on July 18th 1991. A short time was spent confirming the claim location and the position of last year's sample stations. Two relatively short parallel lines and one cross line were established and soil samples taken at 12.5 meter intervals. A total of 15 soil samples and three rock chip samples were collected (see Figs 4 and 5). Survey control was established using a

Brunton compass and hip chain. Elevations were taken with a Thommen altimeter and adjusted by minus 10 meters to fit existing control. This program was designed to check the anomalous gold values found at stations 13 and 14 on last year's survey.

3.0 GEOLOGY

3.1 Regional Geology

The geology of the area is described, in detail, by Hoy and Andrew- Open File 1989-11, and in descriptions of the Great Western, Shaft and Cat Properties- Exploration in B.C. 1988 pps. B15-28. Steep south-westerly dipping, intensely sheared and altered volcanics of the Lower Jurassic Rossland Group/Elise Formation (units Je1 and Je4) occur on the north-westerly striking north limb of the Hall Creek Syncline adjacent to the Silver King Shear. These rocks are locally intruded by dikes and stocks of plagioclase porphyry related to the Silver King Intrusions (unit Jsk). A number of the Copper/gold properties in this area are hosted by Lower Elise formation mafic volcanics in close association with the Silver King intrusives and/or the Nelson Batholith.

3.2 Claim Geology

Only a few small scattered outcrops occur on the area of the claim which was covered by the soil sampling program. No attempt has been made to map the claim geology however the positions of outcrops of light to medium grey, fine grained, schistose rocks, probably of the Upper Elise formation unit Je4 have been noted on Figure 4.

4.0 GEOCHEMISTRY

4.1 Field Program

A total of fifteen soil samples were collected at 12.5 meter intervals along a grid centred on stations 13 and 14 of last years survey. All samples were taken from a well developed 'B' Layer at depths ranging from 5 to 18 cms. Three rock chip samples were taken from relatively large, angular pieces of float found along or adjacent to the soil sample lines.

4.2 Analytical Techniques

Samples were assayed at Chemex Labs Ltd. in Vancouver utilizing their SP-4 ICP-32 geochem package which includes a fire assay with AA finish of a 10 gram sample and with a lower detection limit of 5ppb. Samples were dried and

ring sieved to a 90% -150 mesh then split. The ICP-32 digestion process is not effective for acid resistant minerals but is considered to be adequate for gold and base metal indicators in a reconnaissance geochem project.

4.3 Assay Results

The distribution of gold values (see fig.6) proved to be erratic. The sample taken at station 14A, one meter east of the 1990 T1-14 1990 sample which assayed 238 ppb, assayed less than 5 ppb. Similarly the sample at station 13A which is 3 meters west of the 87 ppb sample at T1-14, assayed only 5 ppb. Anomalous gold values were however encountered at stations T2-1 and T2-4. Other than an anomalous zinc value of 204 ppm at RC 13-3 no anomalous values were found in the float samples. Slightly anomalous values for lead were found roughly coincident with the area of gold anomalies. However these did not tie well with the 1990 values and might be considered to be unreliable.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Results from this years survey show an erratic distribution of anomalous gold values along a trend striking about N 45 °W through stations T1-13 to 14. Results are cosidered to be encouraging enough to warrant addittional geochem sampling along a grid parallel to line T-1 with 25 meter line spacing and sample intervals of not more than 10 meters. Prior to any addittional work the occurrences at the Daylight/Berlin property ,approximately 500 meters north-west, should be accurately located.

6.0 REFERENCES

1. Assessment Report 21277, Britannia Claim, March 1991.

2. H.W.Little. GSC Memoir 308, Nelson Map Area West Half, British Columbia (82F W1/2).

3. T.Hoy and K.Andrew. The Rossland Group, Nelson Map Area, South Eastern British Columbia (82F6). BCGS Geological Fieldwork 1988 pps.33-43, and Open File 1989-11.

4. B.C. Minfile 082FSW176 (Daylight/Berlin)

5. B.C. Minfile 082FSW175 (Silver King)

6. T.Hoy and K.Andrew. Great Western Group, Elise Formation, Rossland Group. Exploration in British Columbia 1988 pps. B15-19.

7.0 STATEMENT OF EXPENDITURES

-4WD transport Salmo to site 85Kms @ $0.30	25.50
-Labor, 16 hours @ $13.25	212.00
-Supervision and report preparation	350.00
-Assay costs 18 @ $14.85	267.30
Total	$ 854.80

8.0 AUTHOR'S QUALIFICATIONS

I, Robert Jordan, resident at RR1, Priddis, Alberta, certify that I am the current holder of Professional Engineers and Geoscientists of B.C. certificate of registration No. 4707 (Professional Engineer, Geological).

BRITANNIA CLAIM

TABLE I 1991 SAMPLE LOCATIONS AND DESCRIPTION

SAMPLE NO.	UTM COORDINATES		ELEV.	TYPE	DEPTH	DESCRIPTION
T1-12.5	5474418 N	478954 E	1757	S/B	8-15	Rusty brwn.soil w.shale fragments
T1-13A	406	952	1764	S/B	5-13	Gry.brwn. rusty w.gry.sh.fragments
T1-13.5	394	950	1765	S/B	6-15	Drk.rusty red w.sh.talus
T1-14A	382	948	1766	S/B	8-18	Rusty red w.gry.sh.frag.
T1-14.5	369	946	1767	S/B	8-15	Rusty brwn.
T1-15	355	943	1775			No sample
T2-1	384	936	1765	S/B	6-15	Rusty brwn.
T2-2	386	923	1765	S/B	6-18	Med.brwn.
T2-3	399	925	1764	S/B	7-13	Med.rusty brwn.
T2-4	411	927	1761	S/B	7-18	Med.brwn.w.drk.gry.sch.&rusty sil.gr.frag.
T2-5	374	921	1771	S/B	6-15	Med.brwn.w.andesite &granite talus frag.
T3-1	379	960	1765	S/B	7-18	Med.brwn.
T3-2	377	972	1761	S/B	7-18	Med.brwn.w.gry.sch.fragments
T3-3	390	975	1758	S/B	8-18	Med.brwn.w.rusty silgr.fragments
T3-4	402	977	1752	S/B	8-18	Med.to drk.brwn
T3-5	5474365	478970	1765	S/B	8-18	Drk.rusty brwn.
RC T1-13.5	5474393	478954	1765	RC	na	Drk.gry.f.grd.sil.andesite float w.sparse fine py,phr.min.
RC T1-13.3	398	954	1764	RC	na	Siliceous granite float w.abundant py min.
RC T3-3	5474388	478977	1758	RC	na	Large float or ot'c.wx.sil.granite w.sprse.fine py min.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: JORDAN, R. & ASSOCIATES LTD.

R.R.1
PRIDDIS, AB
T0L 1W0

Project : N.C.
Comments: CC: W.R. READER

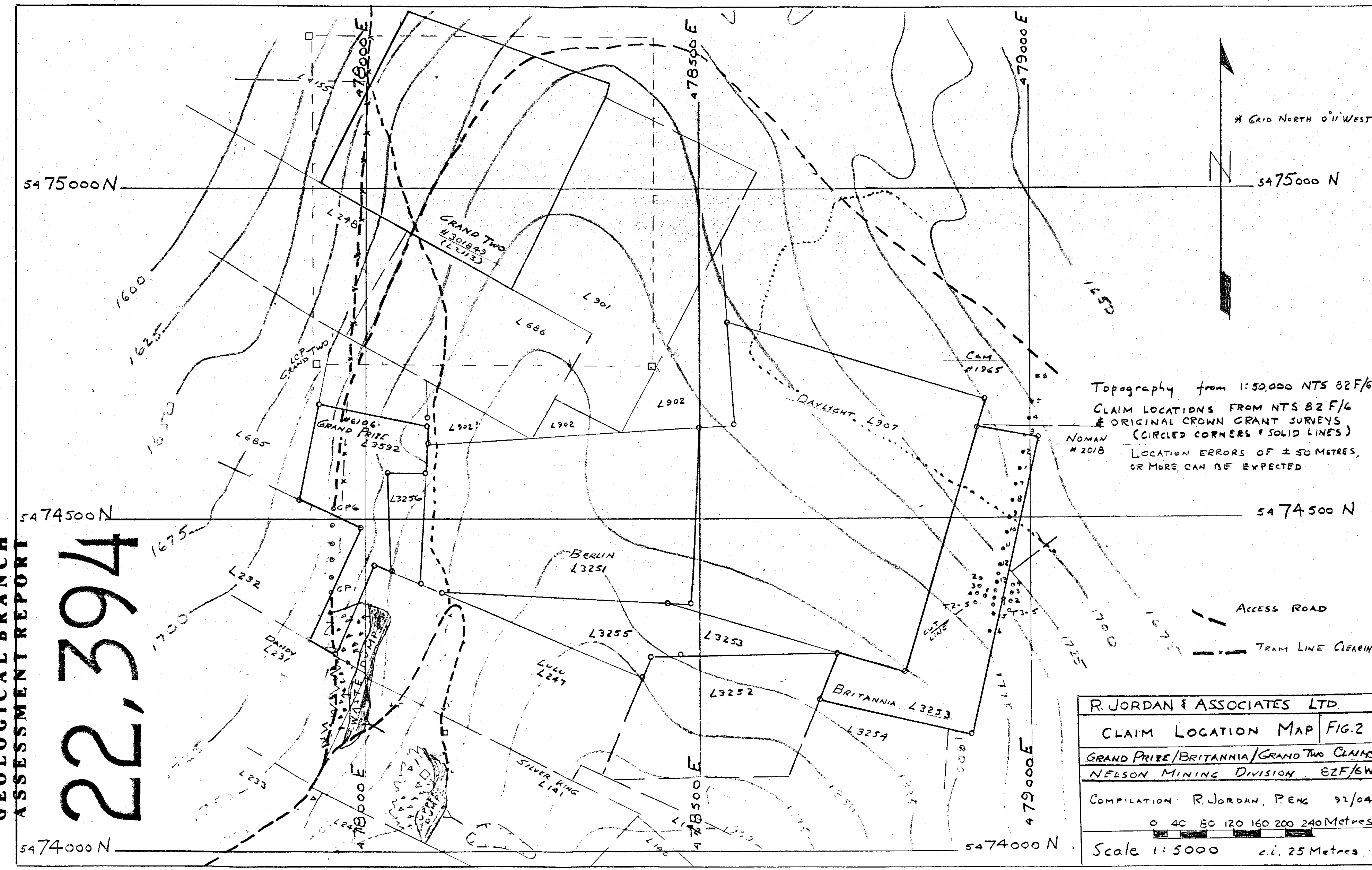
Page Number :1-A
Total Pages :1
Certificate Date: 16-AUG-91
Invoice No. :I9119351
P.O. Number :

CERTIFICATE OF ANALYSIS A9119351

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
91-RC-1 RCT3-3	205	234	10	< 0.2	0.80	< 5	160	< 0.5	< 2	1.59	< 0.5	4	63	13	1.71	< 10	< 1	0.40	10	0.15	785
91-RC-2 RCT1-13.3	205	234	15	0.2	0.99	10	150	< 0.5	< 2	1.59	4.5	1	67	21	1.45	< 10	< 1	0.43	10	0.15	345
91-RC-3 RCT1-13.5	205	234	20	< 0.2	1.05	10	160	< 0.5	< 2	0.46	< 0.5	< 1	68	2	1.72	< 10	< 1	0.47	10	0.20	270
91-T1-12.5	217	298	< 5	< 0.2	1.87	5	450	< 0.5	< 2	0.16	< 0.5	28	46	45	6.40	< 10	< 1	0.14	10	0.37	1310
91-T1-13A	217	298	5	0.2	1.16	15	170	< 0.5	< 2	0.05	< 0.5	10	41	37	5.16	< 10	< 1	0.11	10	0.22	580
91-T1-13.5	217	298	35	< 0.2	1.37	30	90	< 0.5	< 2	0.09	< 0.5	17	62	59	6.04	10	< 1	0.18	10	0.24	725
91-T1-14A	217	298	< 5	0.4	1.93	10	110	< 0.5	< 2	0.11	< 0.5	13	91	48	5.97	10	< 1	0.20	10	0.33	940
91-T1-14.5	217	298	< 5	< 0.2	1.94	5	100	< 0.5	< 2	0.08	< 0.5	18	201	58	6.27	10	< 1	0.12	10	0.58	465
91-T2-1	217	298	55	< 0.2	3.85	5	70	< 0.5	< 2	0.16	< 0.5	36	416	71	6.91	10	< 1	0.20	< 10	2.95	1060
91-T2-2	217	298	10	0.2	1.84	5	90	< 0.5	< 2	0.11	< 0.5	14	67	43	5.14	< 10	< 1	0.12	10	0.48	860
91-T2-3	217	298	30	< 0.2	1.63	10	70	< 0.5	< 2	0.10	< 0.5	20	111	66	5.43	< 10	< 1	0.11	10	0.58	610
91-T2-4	217	298	340	< 0.2	1.71	5	80	< 0.5	< 2	0.12	< 0.5	14	62	42	4.87	< 10	4	0.11	10	0.49	555
91-T2-5	217	298	< 5	0.2	2.23	5	180	< 0.5	4	0.31	< 0.5	32	132	76	6.30	10	< 1	0.18	20	1.45	2890
91-T3-1	217	298	10	0.6	2.53	5	110	< 0.5	< 2	0.09	< 0.5	20	80	55	5.24	< 10	< 1	0.09	< 10	0.34	2270
91-T3-2	217	298	< 5	0.2	1.60	5	60	< 0.5	< 2	0.07	< 0.5	19	56	45	5.74	< 10	< 1	0.13	< 10	0.21	1310
91-T3-3	217	298	< 5	< 0.2	2.19	15	70	< 0.5	< 2	0.15	< 0.5	19	60	34	5.54	10	< 1	0.11	< 10	0.53	1105
91-T3-4	217	298	15	< 0.2	1.15	5	60	< 0.5	< 2	0.05	< 0.5	17	40	26	6.16	10	< 1	0.10	< 10	0.20	980
91-T3-5	217	298	5	< 0.2	1.34	25	70	< 0.5	< 2	0.04	< 0.5	27	165	72	7.40	10	< 1	0.11	< 10	0.26	850

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
91-RC-1 RCT3-3	205	234	< 1	0.05	1	700	< 2	< 5	< 1	160	0.03	< 10	< 10	14	< 10	26
91-RC-2 RCT1-13.3	205	234	< 1	0.06	< 1	680	36	< 5	1	106	< 0.01	< 10	< 10	10	< 10	204
91-RC-3 RCT1-13.5	205	234	< 1	0.05	< 1	670	8	< 5	< 1	58	0.05	< 10	< 10	13	< 10	20
91-T1-12.5	217	298	< 1	0.05	14	1520	52	< 5	4	32	0.07	< 10	< 10	68	< 10	104
91-T1-13A	217	298	< 1	0.03	9	1140	42	< 5	2	15	0.10	< 10	< 10	71	< 10	60
91-T1-13.5	217	298	< 1	0.03	15	1020	26	< 5	3	16	0.07	< 10	< 10	61	< 10	76
91-T1-14A	217	298	< 1	0.04	17	2280	30	< 5	3	17	0.13	< 10	< 10	94	< 10	70
91-T1-14.5	217	298	< 1	0.04	51	830	28	< 5	5	15	0.08	< 10	< 10	99	< 10	64
91-T2-1	217	298	< 1	0.02	115	1810	28	< 5	15	12	0.16	< 10	< 10	210	< 10	90
91-T2-2	217	298	< 1	0.02	17	1570	28	< 5	3	15	0.08	< 10	< 10	68	< 10	64
91-T2-3	217	298	< 1	0.03	33	990	28	< 5	3	14	0.05	< 10	< 10	65	< 10	64
91-T2-4	217	298	< 1	0.02	19	970	30	< 5	2	15	0.06	< 10	< 10	60	< 10	70
91-T2-5	217	298	< 1	0.05	63	2250	28	< 5	5	36	0.13	< 10	< 10	117	< 10	92
91-T3-1	217	298	< 1	0.03	25	1310	32	< 5	3	12	0.06	< 10	< 10	60	< 10	76
91-T3-2	217	298	< 1	0.04	16	1650	16	< 5	3	16	0.06	< 10	< 10	59	< 10	64
91-T3-3	217	298	< 1	0.04	16	1620	20	< 5	4	24	0.08	< 10	< 10	77	< 10	72
91-T3-4	217	298	< 1	0.04	4	790	22	< 5	3	18	0.08	< 10	< 10	81	< 10	64
91-T3-5	217	298	2	0.03	66	1550	32	< 5	3	8	0.05	< 10	< 10	67	< 10	58

CERTIFICATION: B. Cogle



GEOLOGICAL BRANCH
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R. JORDAN & ASSOCIATES LTD.
CLAIM LOCATION MAP
FIG. 2
GRAND PRIZE / BRITANNIA / GRAND TWO CLAIMS
NELSON MINING DIVISION 82F/6W
COMPILATION: R. JORDAN, P. ENG. 92/04
0 40 80 120 160 200 240 Metres
Scale 1:5000
c.i. 25 Metres
* GRID NORTH 0°11' WEST
N
Topography from 1:50,000 NTS 82 F/6
CLAIM LOCATIONS FROM NTS 82 F/6 & ORIGINAL CROWN GRANT SURVEYS (CIRCLED CORNERS & SOLID LINES)
LOCATION ERRORS OF ± 50 METRES, OR MORE, CAN BE EXPECTED.
ACCESS ROAD
TRAM LINE CLEARING
5475000 N
5474500 N
5474000 N
478000 E
478500 E
479000 E
GRAND TWO #301843 (L2113)
L4155
L248
L901
L686
L902
LCP GRAND TWO
#6106 GRAND PRIZE L3592
L3256
GP6
CP1
L685
L232
DANDY L231
L233
L247
WASTE DUMP
UPPER DUMP
BERLIN L3251
L3255
L3253
LULU L247
L3252
BRITANNIA L3253
L3254
SILVER KING L141
DAYLIGHT L907
CAM #1965
NOMAN #2018
CUT LINE
1600
1625
1650
1675
1700
1725

478000 E
478500 E
479000 E
5475000 N
5474500 N
5474000 N
* GRID NORTH 0°11' west
GRAND TWO
GRAND PRIZE
BRITANNIA
SILVER KING VEIN
NORTH EDGE OF SILVER KING SWEAR
SYNCLINE
Je 4
Je 7f
Je 1-4
Jsk
dgr. sil tine py
trench
gr. s
dgr. m
qtz stn
gr. s. qtz. veining
dgr. sil. s
gns
dgr. s
80°
85°
60°
40°
57°
70°
71°

LEGEND

LOWER OR MIDDLE JURASSIC

Jsk — SILVER KING intrusions plagioclase porphyry

LOWER JURASSIC

Rossland Group

Upper Elise Formation

Je 7 — Basaltic tuff, Je 7f - mafic, fine tuff

Je 4 — Augite, minor plagioclase basalt flows flow breccias.

Lower Elise Formation.

Je 1 — Augite minor plagioclase basalt flows flow breccias.

dgr - dark grey to black.
gr - light to medium grey.
s - schistose
m - massive
sil. - siliceous

* FAULT POSITIONS DIAGRAMMATIC

R. JORDAN & ASSOCIATES LIMITED

GEOLOGICAL MAP | FIG. 3

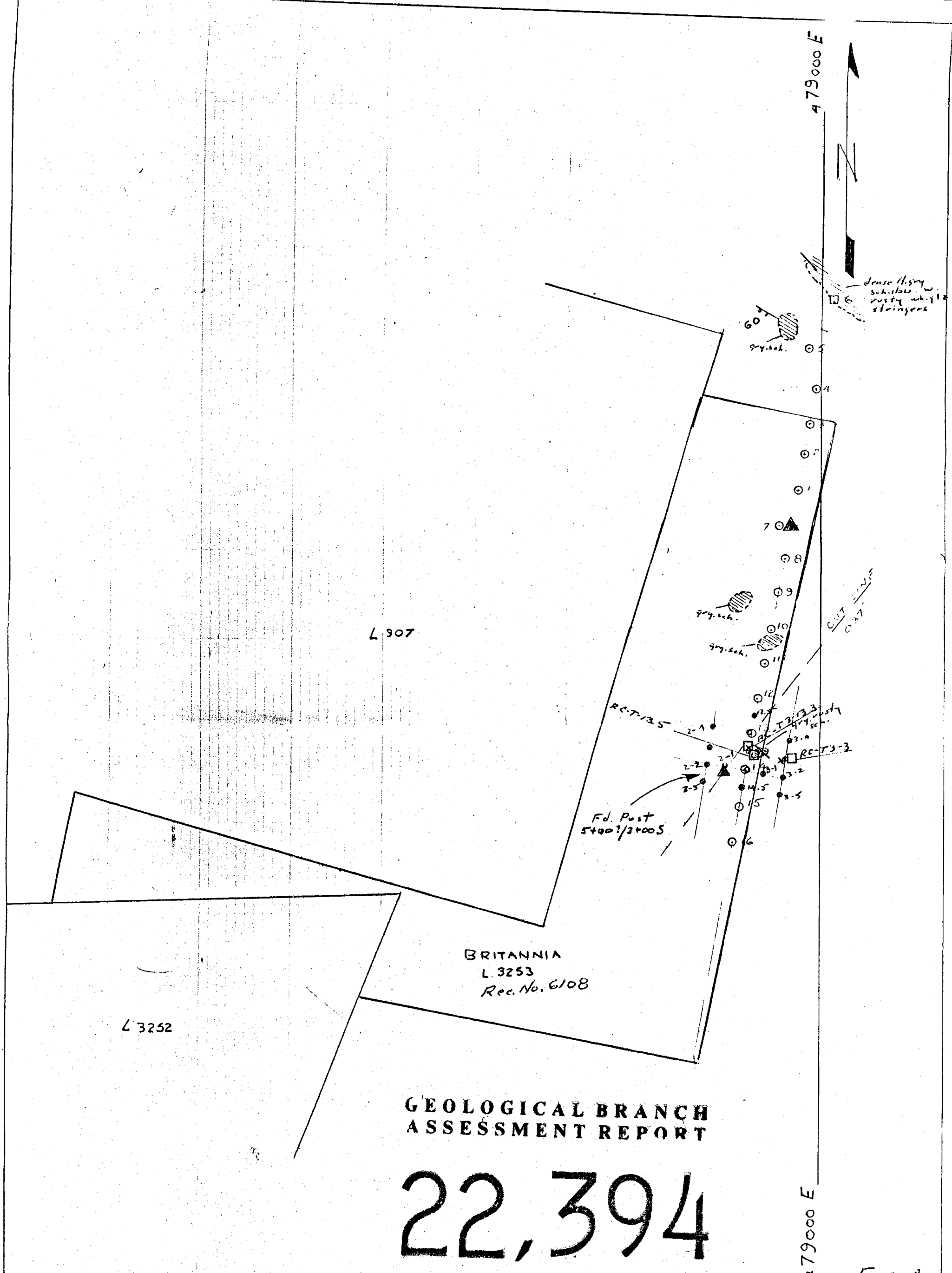
GRAND PRIZE/BRITANNIA/GRAND TWO CLAIMS

NELSON MINING DIVISION 82F/6W

Compilation: R. JORDAN, P.Eng. 92/04

0 40 80 120 160 200 240 Metres

Scale 1: 5,000



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5474000 N — 5474000 N

LEGEND

- outcrop
- o Soil sample
- □ Rock chip sample.
- ▲ Survey marker

R. JORDAN & ASSOCIATES LTD

CLAIM MAP / SAMPLE LOCATIONS

BRITANNIA CLAIM | NELSON M.D

82F6W

COMPILED BY: R. JORDAN P.ENG.

0 20 40 60 80 100 120 Metres

Scale 1:2500 C.I. 100'

FIG. 4

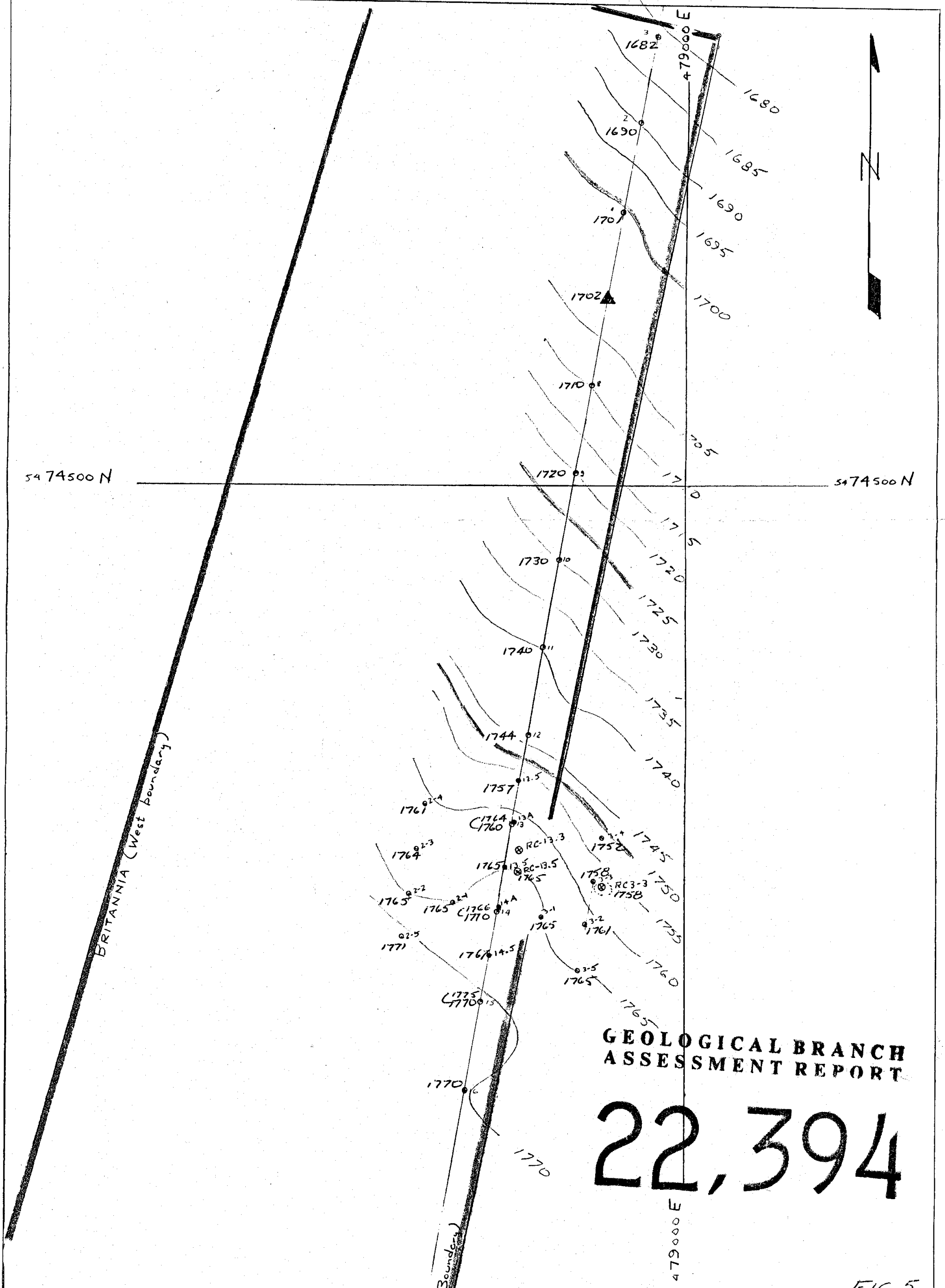

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FIG. 5

R. JORDAN & ASSOCIATES LTD.

SAMPLE LOCATIONS

BRITANNIA CLAIM NELSON M.D.

82F/6W
Compiled by R Jordan. P.Eng. e.i. 5m.
ELEVATIONS in metres a.s.l.

0 5 10 20 30 40 50 Metres

Scale 1:1000 APRIL 1992

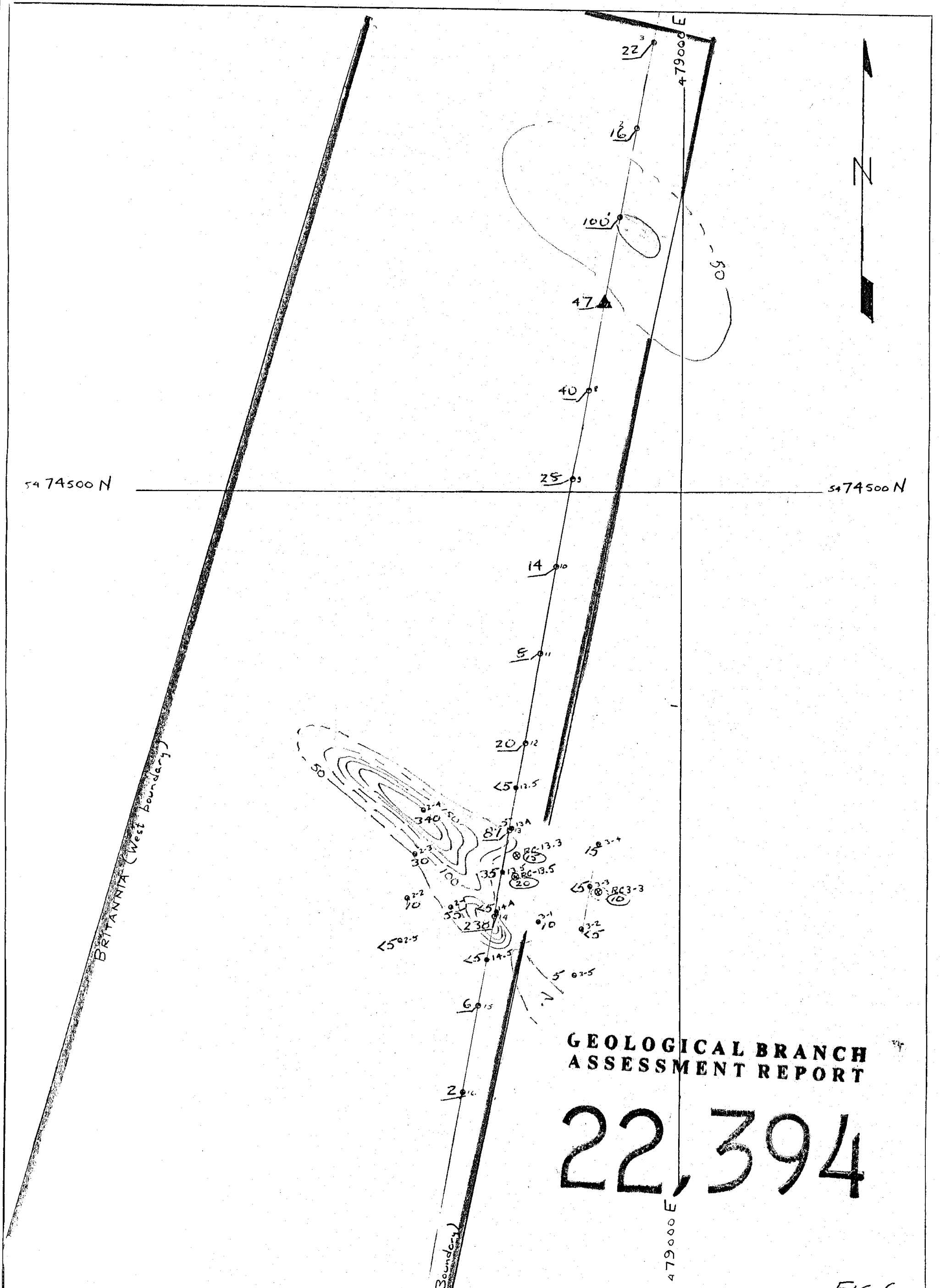

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FIG. 6

R. JORDAN & ASSOCIATES LTD.

SAMPLE LOCATIONS

BRITANNIA CLAIM NELSON M.D.

82F/6W
Compiled by R. Jordan. P.Eng.
AU values (ppb) c.i. 50 ppb

0 5 10 20 30 40 50 Metres.

Scale 1:1000

APRIL 1992

479000 E

54 74500 N

BRITANNIA (West boundary)

BRITANNIA (East Boundary)

N

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FIG. 7

R. JORDAN & ASSOCIATES LTD.

SAMPLE LOCATIONS

BRITANNIA CLAIM NELSON M.D.

82F/6W
Compiled by R Jordon. P.Eng.

C.L. 25 ppm
> 50 ppm

Cu values (p.p.m)

0 5 10 20 30 40 50 Metres

Scale 1:1000

APRIL 1992

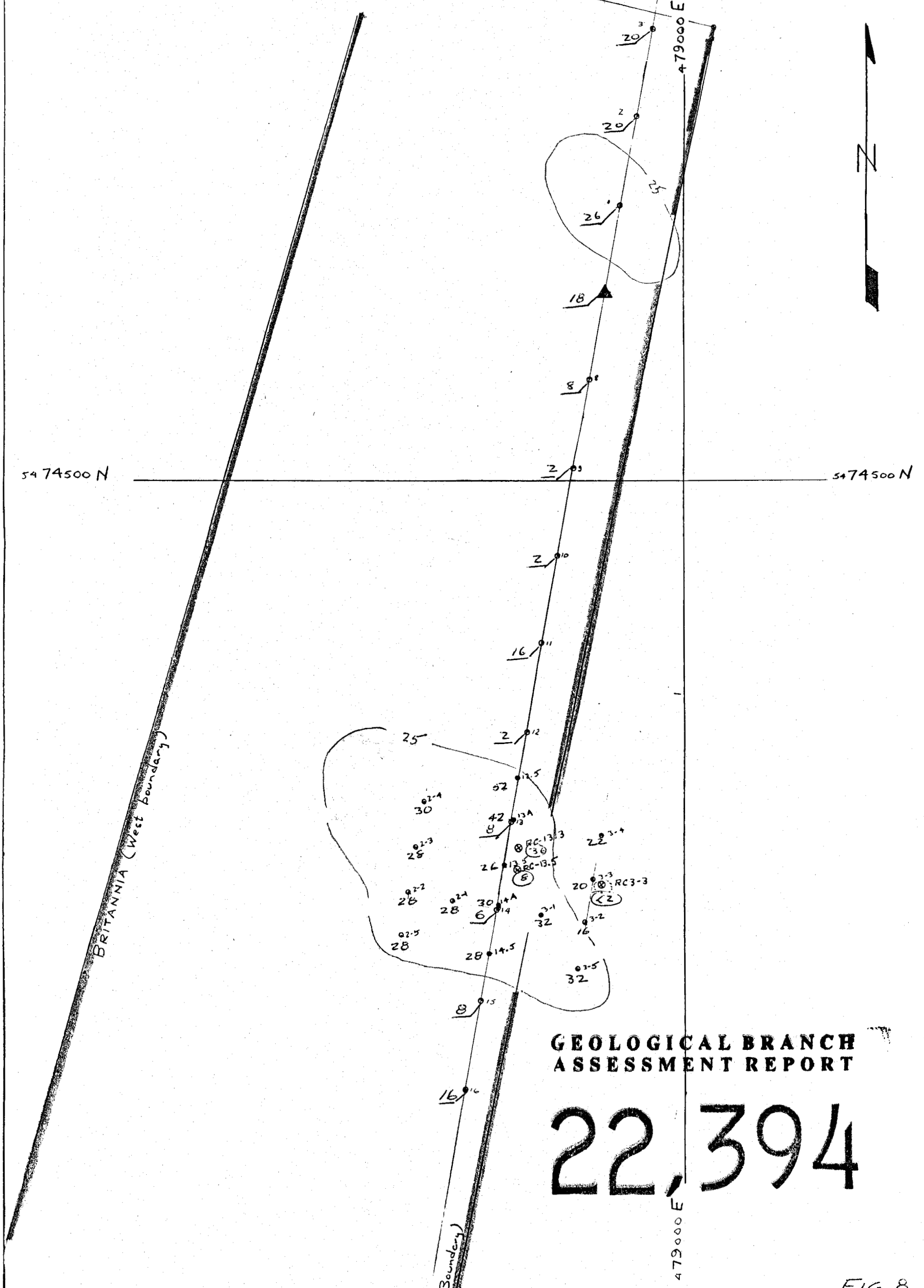

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FIG. 8

R. JORDAN & ASSOCIATES LTD.

SAMPLE LOCATIONS

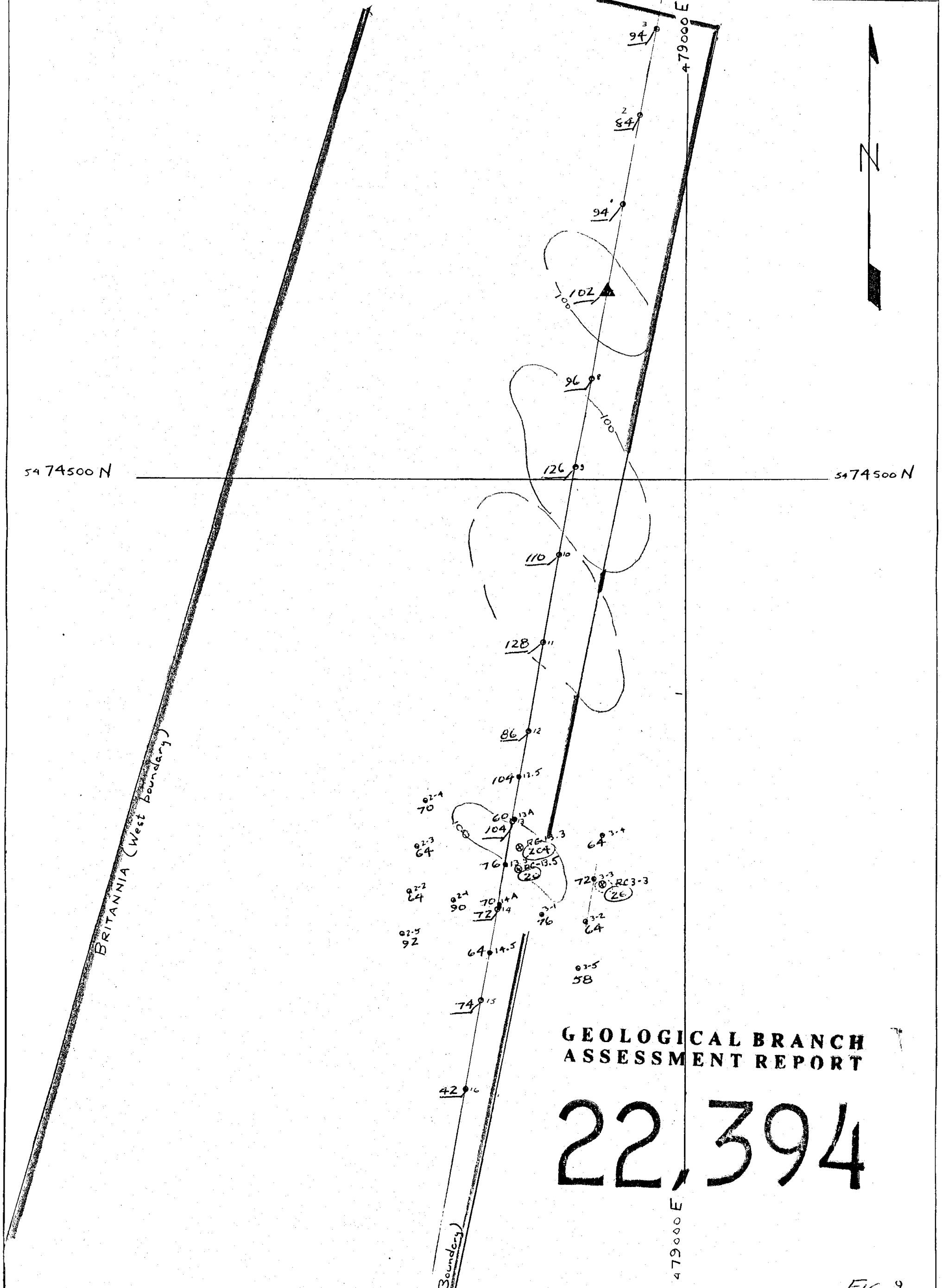
BRITANNIA CLAIM NELSON M.D.

82F/6W
Compiled by R. Jordan. P.Eng.
Pb values (p.p.m)

0 5 10 20 30 40 50 Metres

Scale 1:1000

APRIL 1992



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,394

FIG. 9

R. JORDAN & ASSOCIATES LTD.

SAMPLE LOCATIONS

BRITANNIA CLAIM NELSON M.D.

82F/6W
Compiled by R. Jordan. P.Eng.

Zn values (p.p.m.) ≥ 100 ppm

0 5 10 20 30 40 50 Metres

Scale 1:1000

APRIL 1992