AGIP CANADA LTD.

GEOLOGICAL ASSESSMENT REPORT

NEVE CLAIMS

(NEVE 1-16, YA41352-41367)

MAYO MINING DISTRICT

NTS 105 0/7

LATITUDE 63° 18'N

LONGITUDE 130° 55'W

JUNE 27 - JULY 2 1980

By: D.A. Beauchamp

090706

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

$ 8,371.50

Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

B.R. BAXTER
Supervising Mining Recorder

Commissioner of Yukon Territory

Indian and Northern Affairs | Affaires indiennes et du Nord

Mayo, Y.T.
P.O. Box 10
30th December, 1980

Your file Votre référence

Our file Notre référence

Agip Canada Ltd.
2700 Scotia Centre
700 - 2nd St. South West
Calgary, Alberta.
T2P 2W2

Attention: D. A. Beauchamp
Area Geologist

Dear Sir:

Assessment Report
Neve No. 1 - 16
Mayo Mining District

I am required by the Geology Section of our Department to obtain further information on sheets for insertion into your assessment report filed on the above claims:

1. Location map showing the location of all rx samples.
2. Receipts supporting the costs of analysis for rx and sx samples of $20.00 each.
3. An indication of the total per diem wages, salaries and benefits earned by each of the Agip personnel employed on the claims. The rates claimed for summer assistants, in particular are significantly above the rates claimed in most assessment reports.

An error was found in the lats and longs given for the claims and should read 63°18' N, 130°55' W. You expenses claimed, item 3 (pg 5) lists project geologist 2 days at $300.00 totals $300.00. Sum total of expenses does not change.

The above information is required before any approval can be made of the report and assessment credits given for the renewal of the claims.

Yours truly,

R. G. Ronaghan
Mining Recorder
Mayo Mining District

AGIP CANADA LTD.

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1. LOCATION AND ACCESS

The NEVE 1-16 claim block is located approximately 34 km south of Horn Peak (NTS map sheet 105-0, Niddery Lake.) Geological mapping, prospecting and stream sediment geochemistry were conducted from a fly camp located on the northeastern edge of the claim group.

TABLE 1

Claim Names and Tag Number

CLAIM NAME	TAG NUMBER
NEVE 1	YA 41352
NEVE 2	YA 41353
NEVE 3	YA 41354
NEVE 4	YA 41355
NEVE 5	YA 41356
NEVE 6	YA 41357
NEVE 7	YA 41358
NEVE 8	YA 41359
NEVE 9	YA 41360
NEVE 10	YA 41361
NEVE 11	YA 41362
NEVE 12	YA 41363
NEVE 13	YA 41364
NEVE 14	YA 41365
NEVE 15	YA 41366
NEVE 16	YA 41367

2. TOPOGRAPHY

The slopes in the area are relatively gentle and the maximum relief is approximately 350 m. Most of the claim group except for the lower parts of the creeks is located above tree-line and thus outcrop exposure is excellent.

3. GEOLOGY

The geology of the area is typical of the Macmillan Pass region as a whole and comprises interbedded grey-weathering carbonate, white sandstone, black shale, light brown carbonaceous sandstone and grey chert pebble conglomerate of Upper Proterozoic to Lower Paleozoic age. (Figure 1). The beds strike approximately east-west and generally dip steeply (50-80^{o}) to the south. No indication of stratigraphic tops was observed in outcrop. In the grey carbonate and light brown carbonaceous sandstone there is a pronounced fracturing perpendicular to the bedding and the black shale units are slightly schistose in places (Figure 1). Northwest-trending faults are found in the creek valleys. The rock assemblage and fault zones are unmineralized except for minor pyrite associated with the chert pebble conglomerate.

4. STREAM AND ROCK GEOCHEMISTRY

Streams draining the NEVE claim block were sampled at 200 m intervals. Sample locations and concentrations of Pb, Zn, Cu, Ag and Ba are given in Figure 1. High Zn values (up to 800 ppm) are present in several of the samples and subsequently three of the black shale units that outcrop on the claim block were sampled at 10 m intervals for chemical analyses. These rock analyses are presented in Table 1 and except for locally anomalous amounts of

Ba (up to 40,000 ppm), little significant base metal potential was detected.

5. SUMMARY

The NEVE claim block is underlain by interbedded grey carbonate, white sandstone, black shale, light brown carbonaceous sandstone and grey chert pebble conglomerate. Rock and stream sediment geochemistry indicate that there is no significant base metal (Cu, Pb, Zn) mineralization associated with the black shale units.

TABLE I

ROCK CHIP SAMPLES (IN ppm)

NEVE CLAIMS

Sample No.	Cu	Pb	Zn	Ag	Ba
001-H	4	14	9	1.2	741
002-H	6	16	8	1.0	1020
003-H	17	6	63	0.9	1019
004-H	14	4	59	1.1	1112
005-H	28	4	112	0.6	910
006-H	24	3	110	0.4	897
007-H	44	5	160	0.7	890
008-H	14	4	32	1.4	932
009-H	16	3	46	0.5	4269
110-H	26	4	28	0.8	4485
011-H	32	6	52	1.1	4463
012-H	16	4	31	0.8	7782
013-H	34	10	82	1.8	6395
014-H	55	4	93	1.5	6872
015-H	48	4	91	1.3	6818
016-H	14	6	28	2.5	5479
017-H	32	6	61	1.3	5829
001-G	323	9	180	1.5	1051
002-G	32	11	47	0.7	1855
003-G	20	228	51	4.9	1458
004-G	6	6	21	1.2	768
005-G	38	4	140	0.4	1173
006-G	22	18	73	0.4	886
007-G	50	3	20	2.0	1015
008-G	29	6	26	0.5	5546
009-G	28	7	38	0.8	5507
010-G	17	6	20	0.4	7525
011-G	36	6	91	0.7	38913
012-G	52	8	37	0.8	4259
013-G	51	4	46	0.8	8903
014-G	22	8	67	2.0	3185
015-G	58	8	86	0.8	4344
001-D	35	12	31	1.2	5435
002-D	67	16	15	1.8	7508
003-D	75	18	97	1.2	8204
004-D	44	9	95	0.3	6248
005-D	40	12	24	0.7	7755
006-D	83	6	100	0.2	4482
007-D	49	8	118	0.3	5040
008-D	46	10	103	0.8	5827
009-D	34	8	38	0.6	4485
010-D	32	15	94	0.8	3118
011-D	26	12	117	0.5	4207
012-D	31	13	99	0.6	5211
013-D	22	14	127	0.5	3480

EXPENSES

1.	Helicopter time - camp move in:	
	3.6 hrs. X $425.00/hr	$1,530.00
2.	Camp move and set-up:	
	10 man-days X $200/day	2,000.00
3.	Geology, geochemistry and prospecting:	
	Chief Geologist 1 day X $300/day	300.00
	Project Geologist 2 days X $300/day	600.00
	4 men X 4 days X $200/day	3,200.00
4.	Report:	
	1 man-day X $200/day	200.00
5.	Analyses:	
	45 rocks X $9.40/sample	423.00
	15 stream sediments X $7.90/sample	118.50
	Total:-	$8,371.50

AGIP PERSONNEL EMPLOYED ON NEVE CLAIMS

NAME & ADDRESS	POSITION	DATES	NO. OF DAYS	FUNCTION
Bailey, David 1339 Berkley Dr. NW Calgary, Alberta T3K 1T4	Chief Geologist	July 2	1	Mapping
Beauchamp, Daniel 24 Malibou Rd. SW Calgary, Alberta T2V 1W6	Area Geologist	June 27 to July 30	1 3	Camp mobilization, mapping
Garagan, Tom 8547 B - 47th Ave. NW Calgary, Alberta	Senior Assistant	June 27 to July 2	2 3 1	Camp mobilization, mapping, chip sampling
Kendall, Andrew 803 Bridges Street Halifax, N.W. B3H 2Z6	Junior Assistant	June 27 to July 2	2 3 1	Camp mobilization, mapping, stream geochemistry
Kerr, Christina 1335 Hanbury Street Ottawa, Ontario	Senior Assistant	June 27 to July 2	2 4	Camp mobilization, mapping
Wells, Gary 12 Sutton Place Ottawa, Ontario K2E 5G2	Party Leader	June 27 to July 2	2 3 1 1	Camp mobilization, mapping chip sampling, report writing

STATEMENT OF QUALIFICATIONS

I, DANIEL A. BEAUCHAMP, of the City of Calgary, in the Province of Alberta, hereby certify:

- That I am a geologist employed by AGIP Canada Ltd., and that I performed or caused to be performed the work described in this report.
- That I have six years of full-time employment, three of which have been on programs in the Yukon.
- That I obtained a B.Sc. in Geology in 1974.
- That I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta and of the Canadian Institute of Mining and Mettalurgy.

I hereby certify that the above statements are true.

D A Beauchamp

STATEMENT OF ANALYTICAL COSTS, 1980

NEVE CLAIMS (NEVE 1-16)

COSTS PER ELEMENT

60 Samples Cu, Pb, Zn	@ $3.15 ea.	=	$189.00
60 Samples Ag	@ $0.75 ea	=	45.00
60 Samples Ba	@ $3.50 ea	=	210.00
			$444.00

Average cost per sample = $7.40

COSTS PER SAMPLE

Rocks:

Analysis R001-017H, R001-015G, R001-013D	@ $7.40 ea	=	$333.00
Rock Preparation	@ $2.00 ea	=	90.00
			$423.00

Stream Sediments:

Analysis S001-006A, S001-006A, S013-015K	@ $7.40 ea	=	$111.00
Soil Sample Preparation	@ $0.50 ea	=	7.50
			$118.50

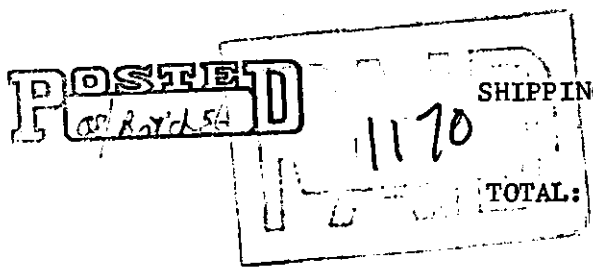
BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-3548

AGIP CANADA LTD.
2700 SCOTIA CENTRE
700 2nd. St. S.W.
CALGARY, ALBERTA
T2P - 2W2

INVOICE: D 1408
DATE: JULY 31/80
REPORT NO: 40 - 238
PROJECT: 4003 c

76	ANALYSES OF COPPER/LEAD/ZINC.	@ 3.15	$ 239.40
67	ANALYSES OF SILVER	0.75	$ 50.25
9m	ANALYSES OF MOLYBDENUM	0.75	$ 6.75
9	ANALYSES OF TUNGSTEN	3.75	$ 31.05
9	ANALYSES OF TIN	3.25	$29.25
9	ANALYSES OF URANIUM	2.90	$ 26.10
71	SOIL SAMPLE PREPARATION	0.50	$ 35.50
55	ROCK SAMPLE PREPARATION	2.00	$ 110.00
		SUB _ TOTAL:	$ 528.30



SHIPPING: $ 20.20

TOTAL: $ 548.30

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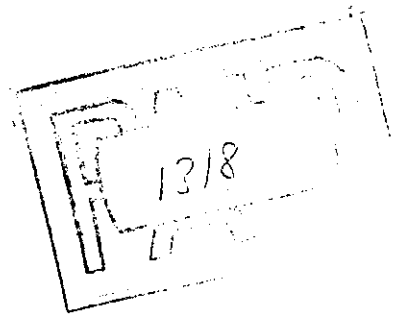
BONDAR-CLEGG & COMPANY LTD.
764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-3548

AGIP Canada Ltd.
2700 Scotia Centre
700 2nd Street S.W.
Calgary, Alberta

INVOICE: D 1605
DATE: August 22, 1980
REPORT NO: 40-238
PROJECT 4003

67	Analyses of Barium	@$3.50	$234.50
		TOTAL:	234.50



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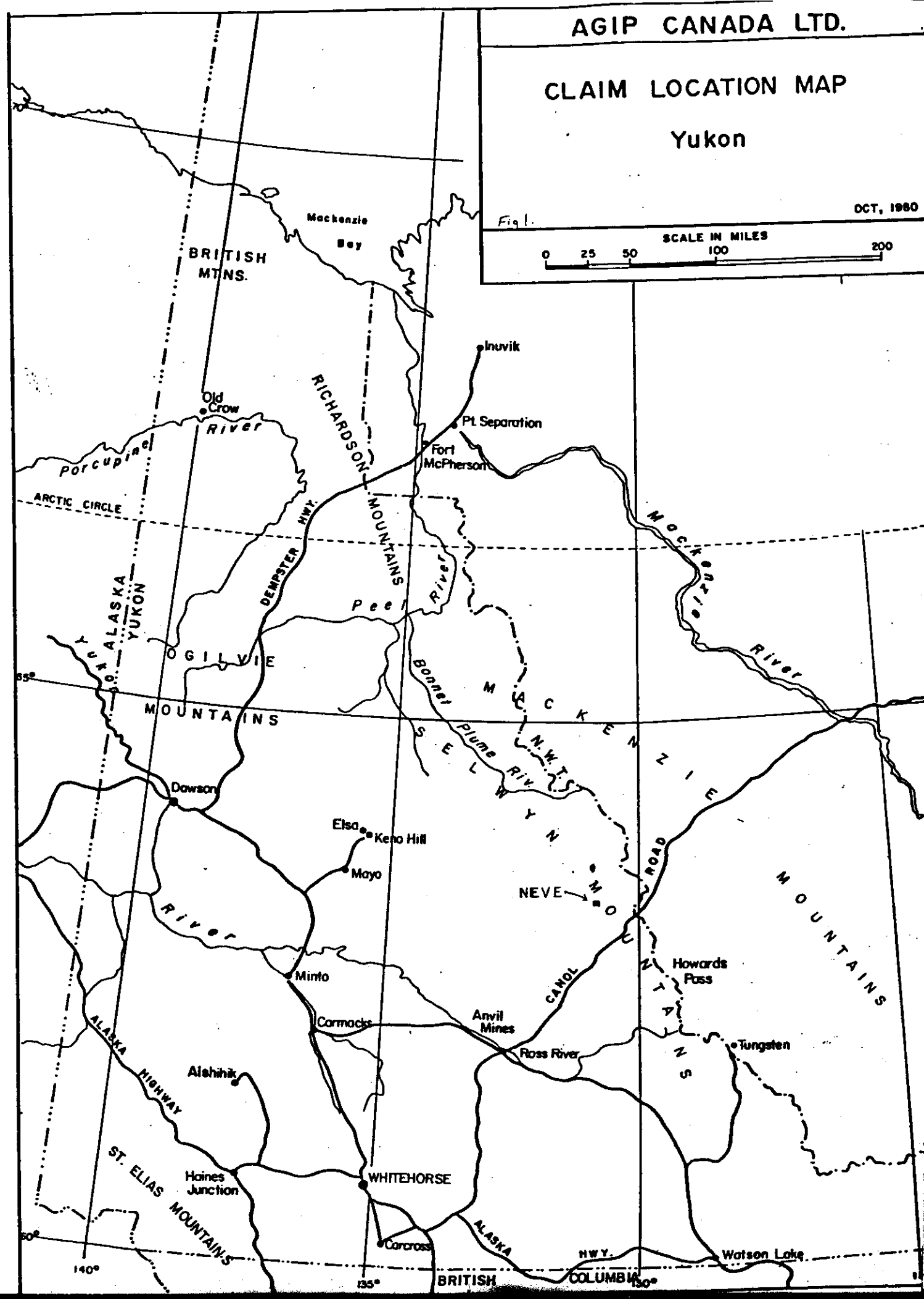
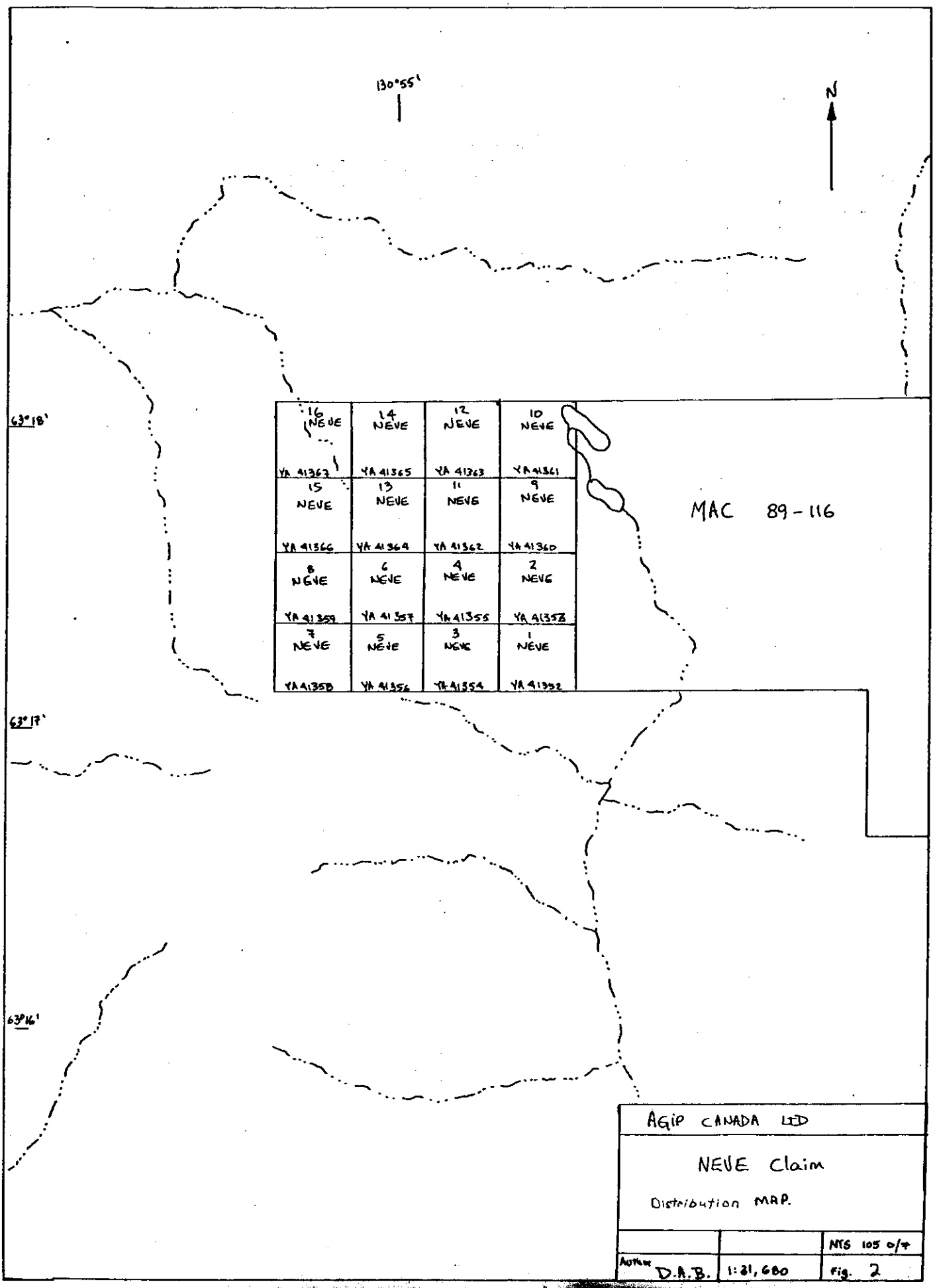
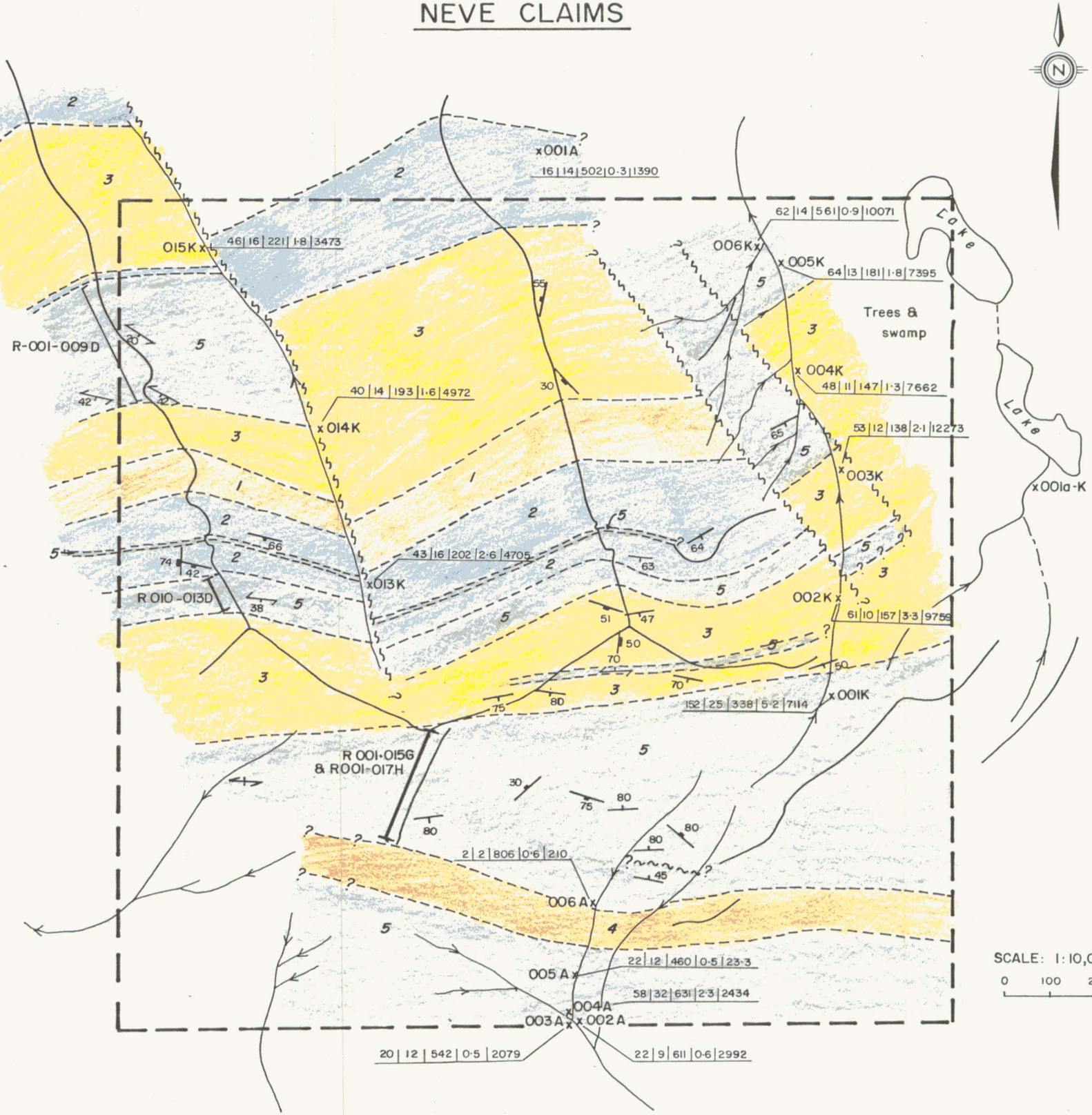

AGIP CANADA LTD.
CLAIM LOCATION MAP
Yukon
Fig 1.
OCT, 1980
SCALE IN MILES
0 25 50 100 200
Mackenzie Bay
BRITISH MTNS.
Inuvik
Old Crow
Porcupine River
RICHARDSON MOUNTAINS
Pt. Separation
Fort McPherson
ARCTIC CIRCLE
DEMPSTER HWY.
ALASKA YUKON
Peel River
Mackenzie River
OGILVIE MOUNTAINS
Bonnet Plume River
MACKENZIE MOUNTAINS
N.W.T.
SELWYN
Dawson
Elsa
Keno Hill
Mayo
NEVE
CANOL ROAD
Howards Pass
Minto
Carmacks
Anvil Mines
Ross River
Tungsten
ALASKA HIGHWAY
Alshihik
ST. ELIAS MOUNTAINS
Haines Junction
WHITEHORSE
Carcross
ALASKA HWY.
Watson Lake
BRITISH COLUMBIA
140°
135°
130°
60°
70°


130°55'
N
63°18'
63°17'
63°16'
16 NEVE YA 41363
14 NEVE YA 41365
12 NEVE YA 41363
10 NEVE YA 41361
15 NEVE YA 41366
13 NEVE YA 41364
11 NEVE YA 41362
9 NEVE YA 41360
8 NEVE YA 41359
6 NEVE YA 41357
4 NEVE YA 41355
2 NEVE YA 41353
7 NEVE YA 41358
5 NEVE YA 41356
3 NEVE YA 41354
1 NEVE YA 41352
MAC 89-116
AGIP CANADA LTD
NEVE Claim
Distribution MAP.
NTS 105 o/7
Author D.A.B.
1:31,680
Fig. 2

NEVE CLAIMS



LEGEND

Rock Types

- 5 — Black shale with minor interlayered sandstone beds
- 4 — Chert pebble conglomerate
- 3 — Sandstone ± interbedded black shale and/or grey to brown carbonate
- 2 — Grey carbonate with interbedded Sandstone and shale
- 1 — Brown carbonate sandstone

SYMBOLS

- ------ Geological contact
- ~~~~ Fault (inferred)
- 64 — Bedding and dip
- 30 — Schistosity and dip
- 61 — Fracture and dip (cleavage)
- 001 K X Cu|Pb|Zn|Ag|Ba (in ppm) — Stream sediment sample
- R-001 D — Rock chip sample
- Ridge
- Stream
- Approximate outline of claim block

Mapped by: G.W, T.G, C.K, A.K. (July, 1980)

Base map = NAPL air photo A12252-130

FIG. 3