DIAMOND DRILLING REPORT
ON THE SCOTCH CLAIM
82L/13, 82L/14

OWNER: BRICAN RESOURCES LTD. (N.P.L.)
OPERATOR: ESSO RESOURCES CANADA LIMITED

by

A. STEWART

ESSO RESOURCES CANADA LIMITED
314-1281 WEST GEORGIA STREET
VANCOUVER, B.C.
V6E 3J7

NOVEMBER 21, 1979

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General Introduction

The Scotch mineral claim is located near the community of Scotch Creek, B.C., in the valley of Corning Creek. Various electromagnetic surveys and a diamond drill hole were completed on these claims in 1979.

1) Property

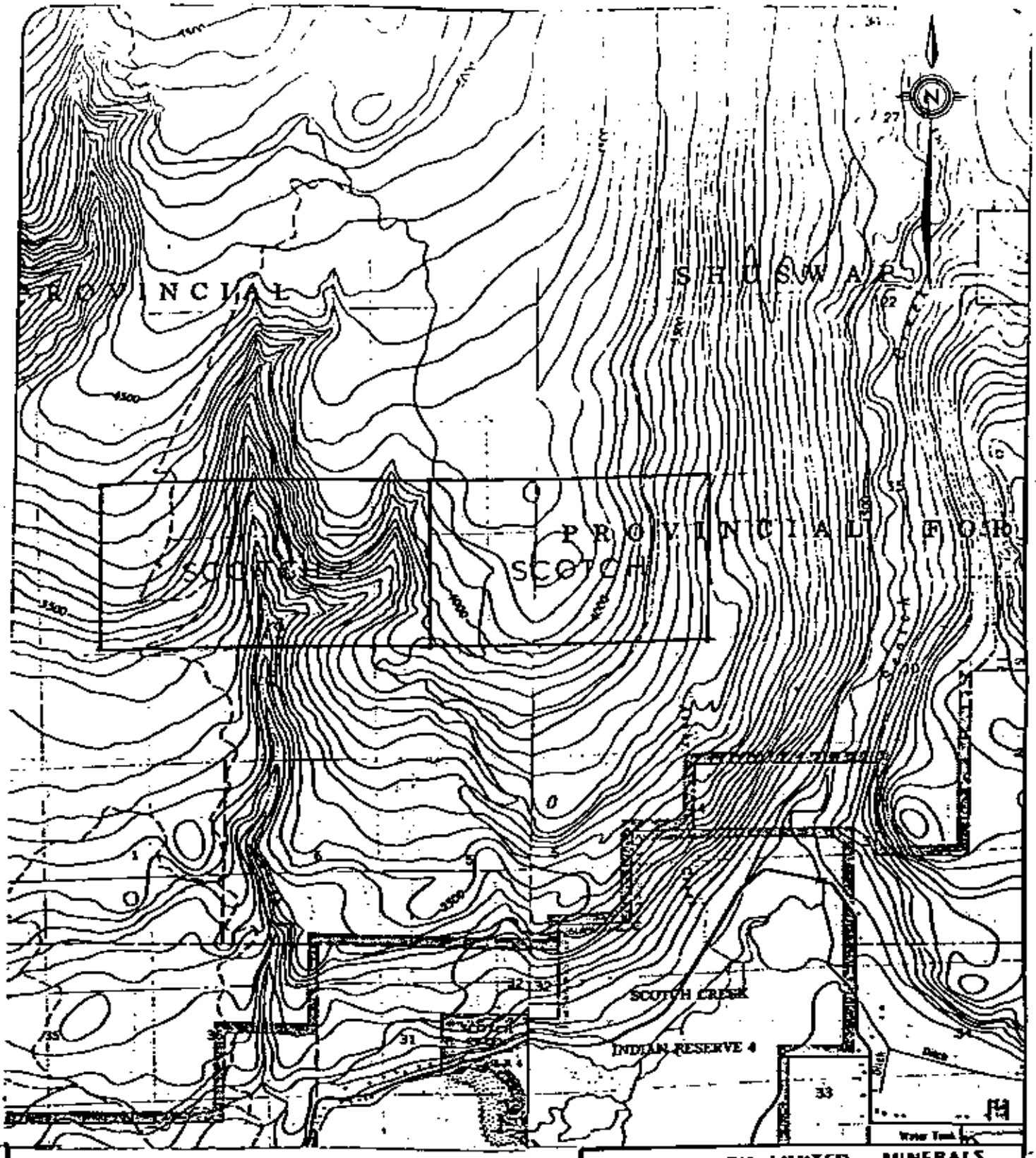
Claim	Record No.	No. of Units	Owner
Scotch	371	15	Brican Resources

2) Work Done

A 125.27 m diamond drill hole was drilled commencing on July 18, 1979 to test an electromagnetic conductor. The hole was completed on July 20, 1979. The diamond drill contractor was Herb Allen of Merritt, B.C.

3) History

The Scotch property was originally staked in the early 1970's during a regional silt geochem reconnaissance program operated by Derry Michener and Booth. Their program had located anomalous copper in silt values in Corning Creek and tributaries on the west side of Scotch Creek. Follow up from this program locatdd zones of heavy pyrrhotite and sparse chalcopyrite mineralization disseminated in schists, by diamond drilling in the area presently covered by the Scotch claim. Various companies have explored the property since that time. Esso Resources Canada Limited optioned the property in 1979.



0 500 1000 2000 3000 Metres

0 .5 1 1.5 2 Miles

0 40 80 120 160 Chains

IMPERIAL OIL LIMITED — MINERALS

INDEX MAP

Project No. _____

Mining Division Kamloops

Latitude _____

Longitude _____

NTS 82 L/13 82 L 14

To Accompany a Report By:

A.C. Stewart

Dated Nov 21/79

Map No. _____

Diamond Drilling

A short EM conductor was observed on L4E at 7+00S during a Max Min II EM survey of the Scotch property. No outcrop was observed in the immediate vicinity of the conductor. Regionally the area is underlain by Eagle Bay Formation volcanics, a favourable massive sulphide mineralization host. A diamond drill hole was planned to test the geophysical response.

The diamond drill hole intersected a thick section of meta-volcanic and meta-sedimentary derived schists as described in the attached drill log. A graphite bearing conductive schist was intersected at 122.2 m depth. This is believed to be the cause of the observed geophysical response. The hole was stopped at 125.3 m.

Alfred Stewart

Cost Statement

Diamond Drilling		
125.27 m @ $44.68/m		$5,597.00
Supervision and Report Preparation		100.00
	TOTAL	$5,697.00

Alfred Stewart

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MINERALS SECTION

DRILL LOG

PROJECT: 2128	GROUND ELEV.: 1265 m
HOLE NO.: 79-3	BEARING: 180°
LOCATION: Scotch Claims Grid Line 4E 6 + 85 S	DIP: 55° TOTAL LENGTH: 125.27 m
LOGGED BY: A. Stewart	HORIZONTAL PROJECT:
DATE: July 1979	VERTICAL PROJECT:
CONTRACTOR: Herb Allen	ALTERATION SCALE absent slight moderate intense
CORE SIZE:	
DATE STARTED: July 18, 1979	TOTAL SULPHIDE SCALE traces only < 1% 1% – 3% 3% – 10% > 10%
DATE COMPLETED: July 20, 1979	
DIP TESTS: -	
COMMENTS	LEGEND

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DEPTH (Meters)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
				0 - 4.9 m Casing						
	100%			4.9-11 m Homogeneous quartz-sericite chlorite schist, probably meta-volcanic (felsic) in origin, cleavage 65° to core axis						
	100%			11-14 m Homogeneous quartz-sericite chlorite schist as above, with gradational contact to a quartz-chlorite schist. Darker green color.						
	98%			14-15.8 m Gradational contact to white fine grained quartz-sericite schist, fault brecciated, broken core at 15.8 m.						
				Faulted contact with underlying unit. Slight change in foliation orientation from 65° to core axis to 55° to core axis.						
	100%			15.8-18.6m Quartz sericite chlorite schist probably felsic meta-volcanic fine grained.						
				18.6-20.7m Quartz sericite chlorite schist with abundant quartz veinlets - minor calcite in the veinlets.						
				18.6-24.7m Conformable sharp contact with structurally lower unit-chlorite carbonate fissile laminated schist. Has alternating carbonate and choridi- laminae possibly derived from andesitic tuff.						
	98%			Quartz carbonate veinlets (cross-cutting) are common. Laminated parallel to foliation. Variable fol.→ 75° to core axis.						
				24.7-25.3m Sharp intrusive contact of Tertiary diabase at right angles to core axis, pyroxene porphyry, fine grained ground mass						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
Thin pyrite seam and trace galena at 10.7 m foliation parallel pyrite seams	1%									
~~Foliation parallel pyrite seams~~	1%									
Foliation parallel pyrite seams	1%									
Foliation parallel pyrite seams	1%									
Foliation parallel pyrite seams	1%									
F ation parallel pyrite seams	1%									

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
Pyrite	1%									
Pyrite	1%									
Minor sulfide rich section at 38.1 7cm of heavy pyrite, minor chalcopyrite, galena										
Pyrite	1%									
Pyrite	1%									
Pyrite	1%									
Pyrite	1%									
Pyrite-pyrrhotite	2%									
Heavy disseminated pyrite-pyrrhotite	2%									
Traces of chalcopyrite and heavy pyrite at 55.0m - 7 cm	3%									

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DEPTH (Meters)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY		
				25.3-27.4 m Chlorite-carbonate laminated schist derived from andesitic tuff.								
	98%			27.4-29.7 m Tertiary diabase dike, chilled contact zones, contact orientation not observed - lost core.								
	100%			29.7-32.9 m More laminated chlorite carbonate schist. foliation 75° to core axis unusual disseminated random orientated diatite like mica from 30.3 m to 31.7 m possibly metamorphic stilpnomelane								
	100%			32.9-39.0 m Laminated chlorite-carbonate schist foliation 75° to core axis. Minor broken core zones @33.8 and 36.5 m minor quartz veins mainly laminated chlorite								
	100%			39.0-42.6 m carbonate schist with decreasing carbonate content towards bottom. The chlorite schist has small 2 mm diameter feldspars (relict plagioclaze phenocrysts) originally a mafic feldspathic tuff								
	100%			42.6-43.9 m Quartz-chlorite schist with vague quartz eyes, less chlorite rich than previous unit.								
				43.9-46.6 m Feldspar porphyry chloritic schist derived from mafic volcanic flow. Foliation 80° to core axis								
	100%			46.6-56.4 Quartz sericite chlorite schist, pale green gray colored, minor quartz veinlets.								

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(Meters)	% Core Rcy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
	100%			56.4-62.8 m Chlorite schist minor carbonate laminations large quartz vein at 56.7 m.						
				62.8-68.9 m Quartz sericite-chlorite schist in part porphyritic with fine grained quartz eyes and feldspar phenocrysts Fairly heterogeneous unit. Lost core section.						
	80%			62.8, 64.3, 65.8 The rock was probably originally a felsic tuff						
				68.9-75.0 m Fine grained feldspar porphyritic quartz-sericite chlorite schist probably derived from an intermediate composition volcanic tuff.						
	98%									
				75.0-76.5 m Interlayed feldspathic quartz sericite schist derived from felsic and intermediate tuffs foliation 70° to core axis pale green						
	98%									
				76.5-80.21m Mainly fine grained feldspar porphyry quartz-sericite chlorite schist (meta-tuff). Broken core section at 77.4 m - green colored quartz-sericite-chlorite schist						
				80.2-83.2 m						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
Pyrite	1%									
Pyrite	1%									
Pyrite	1%									
64.3 m trace chalcopyrite with pyrite in quartz vein	1%									
68.9 m very heavy pyrrhotite trace chalcopyrite	15%									
70.4 m trace chalcopyrite, pyrite, pyrrhotite	3%									
Pyrite	1%									
Pyrite	1%									

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DEPTH (Meters)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
	100%			minor brecciated quartz veins - pale green quartz-sericite schist - silver						
				83.2-84.1m white colored						
				84.1-90.8m Mixed quartz-sericite and chlorite schists, foliation 70° to core axis.						
	00%			90.8-97.8m fault zone at 70° to core axis and contact with a pale green homogenous quartz-sericite-chlorite schist (meta-dacitic tuff) foliation layers are warped and folded - closures at 94.18 m and 93.0 m foliation at 96.3 m - 70° to core axis						
m	100%			97.8-107.0 Homogeneous quartz-sericite-chlorite schist (meta dacitic tuff) minor quartz veins foliation 80° to core axis						
	100%									
				107.0-109. Tertiary diabase dike - contact 20° to core axis at upper end. Olive green fine grained pyroxene porphyritic chill zone grading to grey fine grained diabasic interior						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
Pyrite	1%									
Pyrite	1%									
Pyrite	1%									
Pyrite	1%									
Heavy pyrite pyrrhotite minor chalcopyrite at 94.8 m	3%									
96.9 m pyrite quartz vein trace chalcopyrite	2%									
Pyrite	1%									
Pyrite	1%									
Pyrite	1%									

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DEPTH (Meters)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
				109.1-112.1m More homogeneous quartz-sericite-chlorite schist pale apple green colored. Non porphyritic minor sulfides						
				112.1-113.1m Tertiary diabase dike 113.1-113.7m Quartz-sericite-chlorite schist 113.7-116.1m Tertiary diabase in part fault brecciated at 114.6m, and at the chilled contact at 116.1m						
				116.1-117.0m Quartz-sericite-chlorite schist 117.0-117.9m Tertiary diabase 117.9-119.2m Quartz-sericite-chlorite schist foliation 90° to core axis						
	100%			119.2-122.2m Quartz-sericite-chlorite schist becoming increasing laminated and more grey in color						
	00%			122.2m gradational, conformable contact with a laminated graphite carborate chlorite schist, probably a meta-sediment to 125.3m						
	00%			125.3m end of hole						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Cu	% Pb	% Zn	Ag		COMPOSITE ASSAYS
110.33 heavy pyrrhotite minor chalcopyrite			9cm	A719-I	0.46	-	-			

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STATEMENT OF QUALIFICATIONS

I, Alfred Stewart, of North Vancouver, B.C., hereby certify the following qualifications:

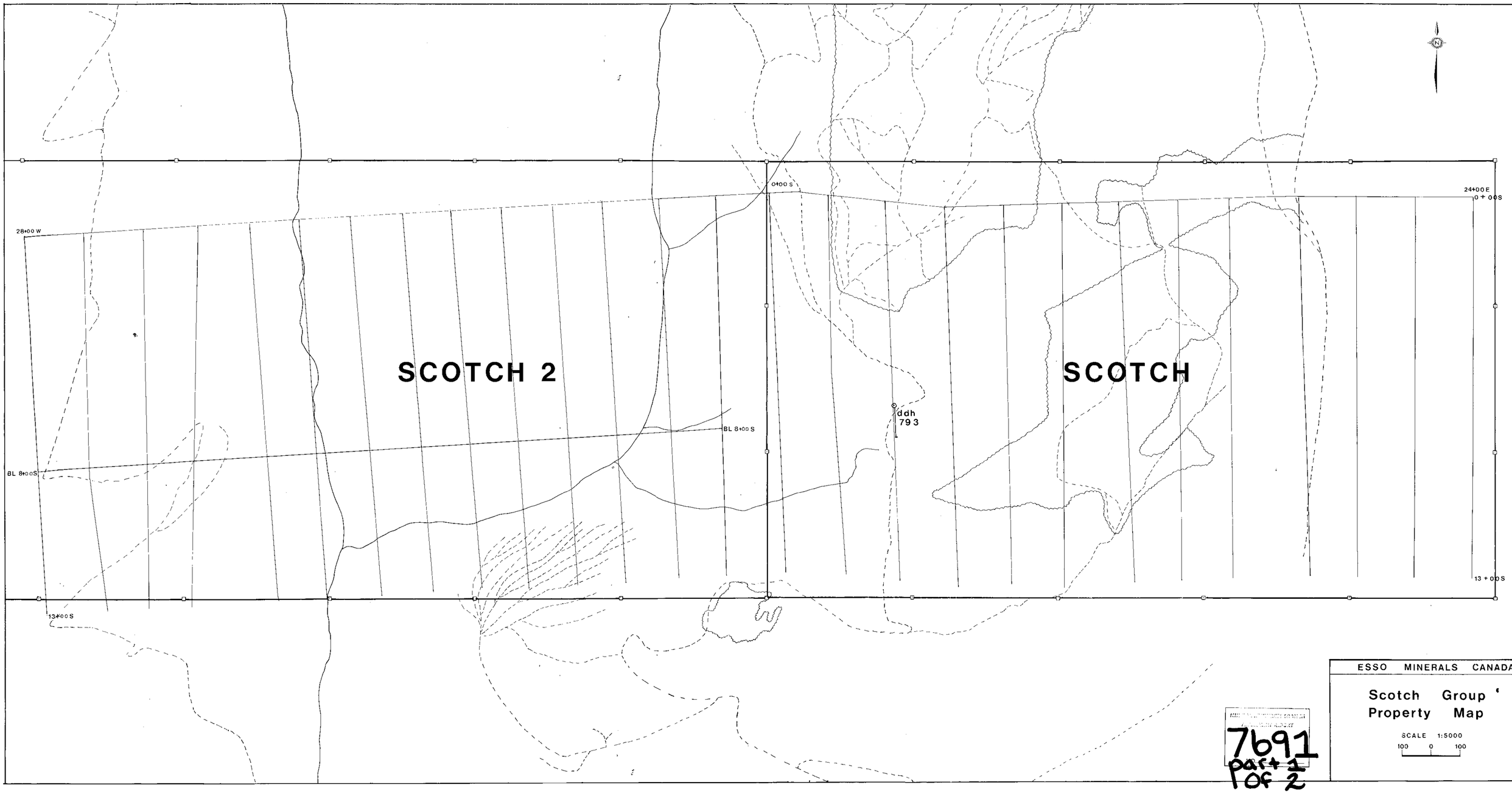
a) I obtained a B.Sc. Honours degree in geology from the University of New Brunswick in 1976.

b) I have been practising my profession in Canada for two years.

c) My experience includes the use of geophysical and geochemical exploration techniques in addition to geological experience.

Alfred Stewart

Alfred Stewart
Geologist
Esso Resources Canada Limited



ESSO MINERALS CANADA

Scotch Group
Property Map

SCALE 1:5000

100 0 100