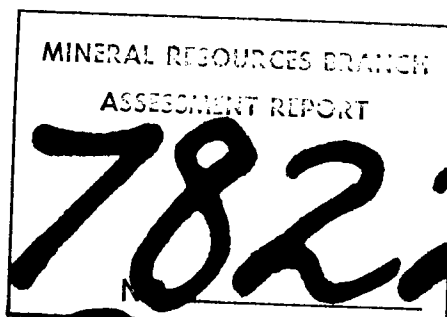


GEOCHEMICAL SURVEY AND
PERCUSSION DRILLING PROJECT,
BEVERLY - BLIZZARD GROUP
GREENWOOD MINING DIVISION,
BRITISH COLUMBIA

Claims: Beverly (377), Blizzard (232)
Location: Lassie Lake Area, 24.5 km northeast of Beaverdell,
British Columbia
Latitude: 49°36'N
Longitude: 118°55'W
Owner and Operator: Norcen Energy Resources Limited
Dates Worked: August 25, 1979 to September 27, 1979
May 25, 1979 to June 30, 1979

February 11, 1980



A. T. Turner, P.Geol.
D. A. Sawyer, P. Geol.
R. Cann

part 1
of 3

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1. Introduction

The Blizzard and Beverly claims form part of the Blizzard Property which is under option from Lacana Mining Corporation and is being explored by a joint venture consisting of Norcen Energy Resources Limited (Manager-Operator), Campbell Chibougamau Mines Limited, E & B Explorations Ltd. and Ontario Hydro.

2. Location and Access

The Blizzard Property is situated 53 kilometres southeast of Kelowna, south-central British Columbia (NTS: 82E/10W) at longitude 118°54'W, latitude 49°37'N (Figure 1).

Access to the property from Kelowna is south via Highway 33 to the Trapping Creek logging road and then north along the Trapping Creek, Copperkettle and Lassie Lake forestry roads. Distance by this route is approximately 80 km. An alternate route from Highway 33 is via the Big White resort road and then south along the Big White - Trapping Creek Link Road to Trapping Creek. The property can also be reached from the south via the Beaver Creek Road, which runs between Beaverdell and Christian Valley, and connects with the Lassie Lake Road (Figure 2).

3. Physiography

Physiographically, the Blizzard Property is located near the eastern boundary of the Okanagan Highland division of the Interior Plateau. Topography within this region is generally gently rolling except for local steep cliffs formed by the Plateau basalts, such as a cap the Blizzard deposit. The plateau is deeply incized by major stream and river valleys. Highest elevation on the property is about 1430 metres, with relief approximately 150 metres.

Almost 75 percent of the property has been logged but several blocks of ground have been reseeded by the British Columbia Forest Service. No land within the property is privately owned; although timber rights on Tree Farm License 8 covering about 30 percent of the property are held by Pope and Talbot Ltd. of Midway. Any cutting within this license must be approved by Pope and Talbot and carried out under the supervision of the British Columbia Forest Service in Beaverdell.

4. Economic Considerations

Beaverdell, with a population of almost 400, is the closest supply centre to the property and is located 12 km south of the Trapping Creek road junction on Highway 33 (Figure 2). The majority of Beaverdell's working inhabitants are employed either at Teck Corporations Highland - Bell silver mine or at Pope and Talbot's logging operation.

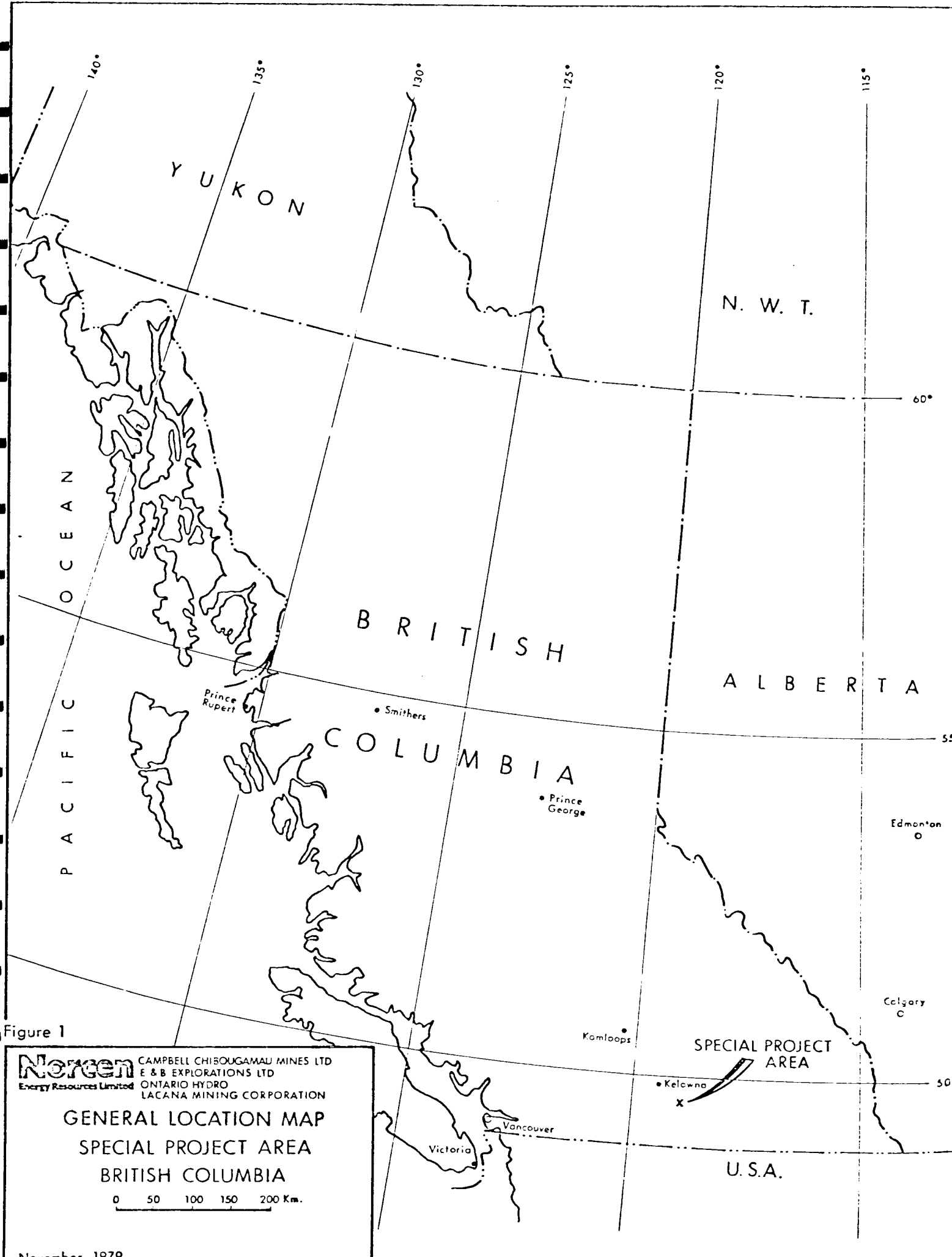


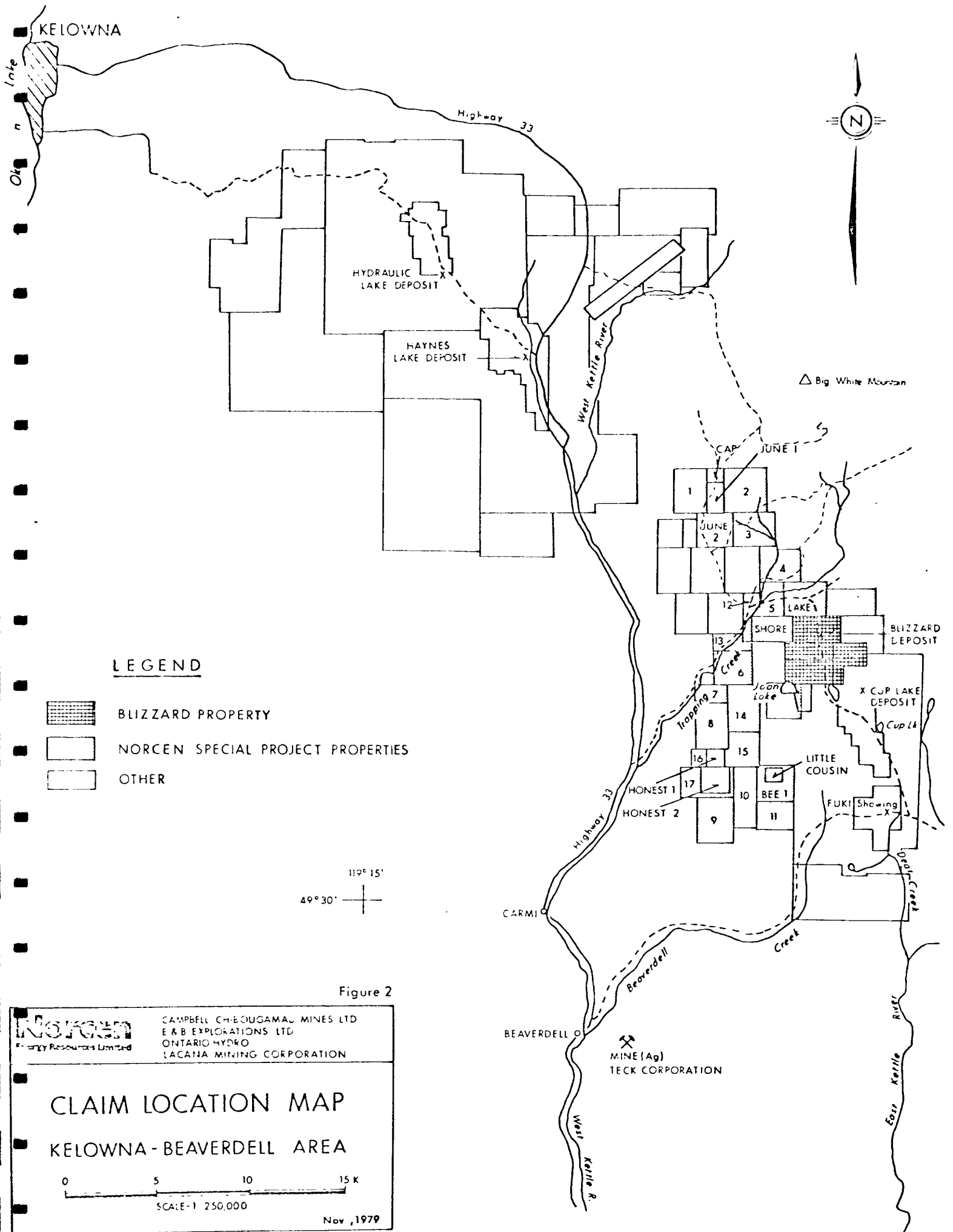
Figure 1

Norcen CAMPBELL CHIROUGAMAU MINES LTD
 Energy Resources Limited E & B EXPLORATIONS LTD
 ONTARIO HYDRO
 LACANA MINING CORPORATION

**GENERAL LOCATION MAP
 SPECIAL PROJECT AREA
 BRITISH COLUMBIA**

0 50 100 150 200 Km.

November, 1979



Until recently, Beaverdell was serviced by the Canadian Pacific Railway running between Penticton and Rock Creek. This section of the railway is now abandoned and the town is now serviced by truck. The B.C. Forest Service maintains a gravel airstrip just north of Beaverdell.

Kelowna is serviced by regularly scheduled Pacific Western flights from Vancouver and Calgary. A Canadian Pacific - Canadian National railway spur line connects Kelowna with the main CPR tracks at Vernon, 45 km to the north.

5. Ownership and Claim Status

In early February 1976 Lacana Mining Corporation staked the Blizzard (20 units), Patricia (10 units), and Moraig (15 units). These claims, together with the Beverly claim (18 units) staked in June 1976, form the Blizzard property. Norcen optioned the Blizzard property from Lacana on December 10, 1976. The claims were legally transferred under the Bill of Sale statement dated September 15, 1977.

In 1977 the Jan 1-3 claims were staked to cover a fraction between the Patricia and Beverly claims. In 1978 a legal survey of the claims discovered two more fractions which were covered by the Sharon and Cari fractional claims.

Current claim status is shown in Table 1 and claim locations shown on Map 1.

6. Previous Exploration on the Blizzard Property

The Blizzard Property was staked in February and June 1976 to cover a favourable geological trend northwest of the Donen mineral claims which cover the Cup Lake deposit. Discovery in June, 1976 of Miocene basalt, similar to that overlying the Cup Lake deposit resulted in a program of gridding, geological mapping, scintillometer surveys, soil, water, silt and radon gas geochemical surveys. Anomalous stream water and sediment results were obtained from a seep southeast of the basalt cap. In July, Lacana drilled seven percussion holes totalling 421 metres across the cap, two of which intersected uranium mineralization. A further six percussion holes totalling 439 metres were drilled in October, of which three holes intersected significant uranium values.

Norcen Energy Resources Limited optioned the property from Lacana on December 10, 1976. In 1977 Norcen drilled 33 combined percussion and diamond drill holes totalling 2040 metres. The radiometric logs were used to calculate an inferred and indicated reserve estimate of 890 000 tonnes grading 0.088% U₃O₈. During late 1977, nineteen rotary holes totalling 514 metres were drilled in overburden covered areas on the property. Seven of these holes drilled

to the northwest and southeast of the cap intersected significant uranium mineralization.

A major exploration program was conducted between March and December 1978. During this period 294 HQ diamond drill holes totalling 15 403 m and 46 rotary-percussion holes totalling 1 768 metres were drilled.

The most recent estimate of reserves based on engineering feasibility studies, is 2 208 000 tonnes containing 4 736 000 kilograms of U_3O_8 at an average grade of 0.2145% U_3O_8 .

Previous work carried out on the Blizzard Beverly claim group entitled Diamond Drilling Project, Blizzard and Beverly claims, by Turner and Sawyer was filed with the B.C. Department of Mines on February 17, 1978.

TABLE 1. BLIZZARD CLAIM GROUP STATUS

<u>Claim Name</u>	<u>Tag Number</u>	<u>Record Number</u>	<u>Number of Units</u>	<u>Record Date</u>	<u>Expiry Date</u>
Blizzard	06546	232	20	February 24, 1976	February 24, 1988
Beverly	06547	377	18	June 11, 1976	June 11, 1988
Patricia	06545	234	10	February 24, 1976	February 24, 1989
Moraig	06544	233	15	February 24, 1976	February 24, 1989
Jan 1	31745	848	1	August 22, 1977	August 22, 1990
Jan 2	31746	849	1	August 22, 1977	August 22, 1990
Jan 3	31747	850	1	August 22, 1977	August 22, 1990
Sharon fr.	41732	1397	—	September 28, 1978	September 28, 1989
Cari fr.	41736	1396	--	September 28, 1978	September 28, 1989

7. Geology and Mineralization

Regional Geology

Regional geology, shown in Figure 3, is compiled mainly from work by Christopher (1978) with additions from Little (1957) and Okulitch (1979).

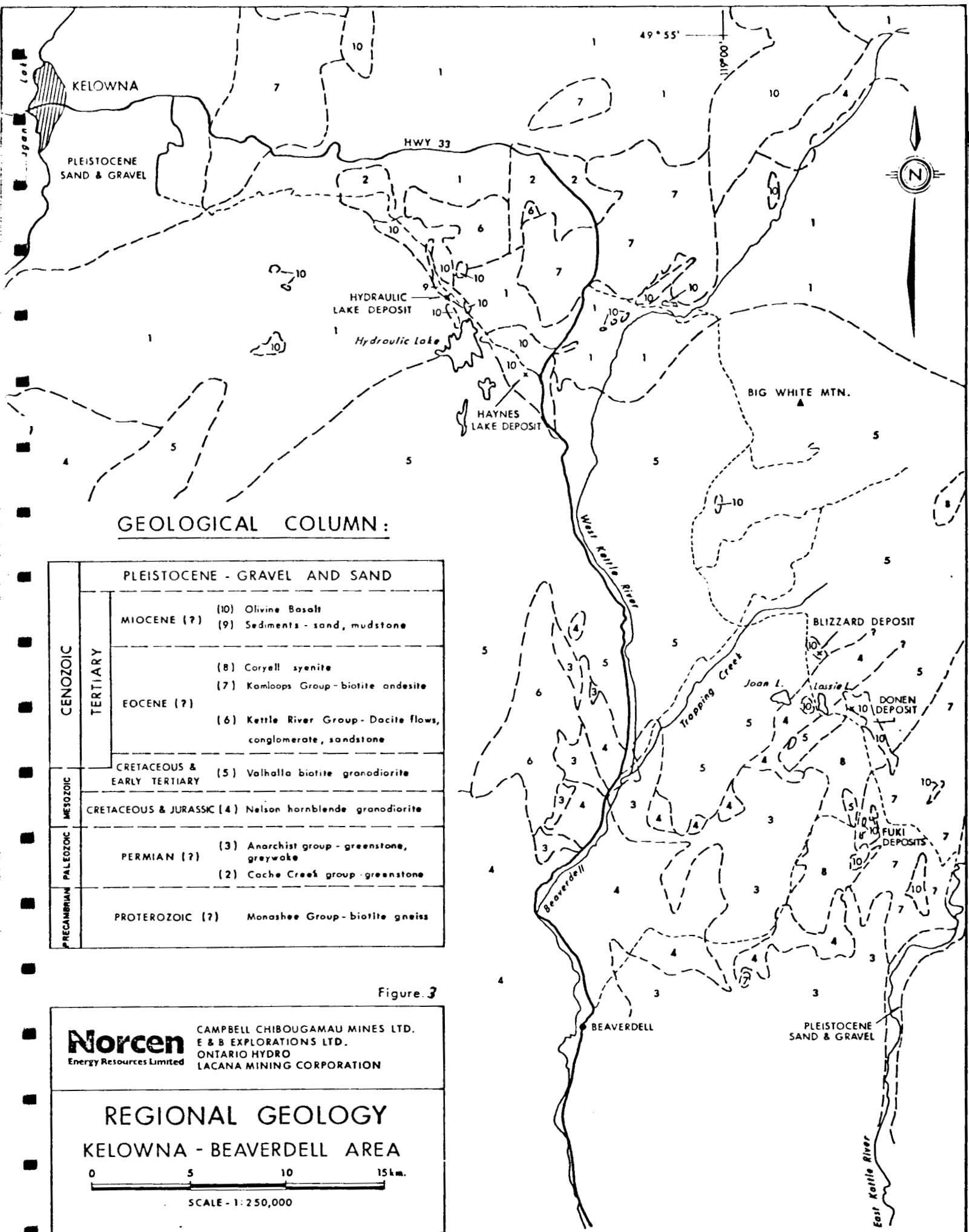
Oldest rocks in the area are Proterozoic Monashee biotite gneisses (Unit 1). The Permian (?) Cache Creek Group (Unit 2) is composed mainly of greenstone in this map area. Meta-volcanic and metasedimentary rocks of Permian (?) age form the Anarchist Group (Unit 3). Low background readings of less than 2000 counts per minute are characteristic of this unit. Anarchist Group rocks commonly form pendants in Cretaceous and Early Tertiary Valhalla quartz monzonites and Jurassic or Cretaceous Nelson quartz diorite or granodiorite (Units 4 and 5).

Eocene Kettle River Formation (Unit 6) consists largely of dacitic and rhyolitic tuffs and flows within the area shown. Locally, conglomerate, sandstone and siltstone interfinger with the volcanic rocks. Siltstone beds within this unit occasionally display anomalous radioactivity. Overlying this formation are andesitic and trachytic rocks of the Kamloops Group (Unit 7). Trachytic rocks in this unit often have high background radioactivity. At least partly coeval with this group are Croyell syenites (Unit 8).

Uranium mineralization in this area occurs in loosely consolidated fluvial Miocene sediments (Unit 9) which have been protected from erosion by a capping of Miocene (?) or Pliocene (?) olivine basalt (Unit 10). Northwesterly trending channels are the only ones known to contain uranium mineralization at present and are probably fault controlled.

Geology of the Blizzard Property

Geology is shown on the geological compilation Map 2. Oldest rocks on the property are the Valhalla and Nelson plutonic rocks. Valhalla rocks are typically a light grey, porphyritic, medium to coarse grained biotite granodiorite. Nelson rocks consist of medium to coarse grained granitic rocks varying from quartz monzonite to quartz diorite in composition. These rocks are generally foliated and chloritized. Disseminated pyrite mineralization associated with strong chloritization has been observed locally.



GEOLOGICAL COLUMN:

CENOZOIC	PLEISTOCENE - GRAVEL AND SAND
	MIOCENE (?) (10) Olivine Basalt (9) Sediments - sand, mudstone
TERTIARY	EOCENE (?) (8) Coryell syenite (7) Kamloops Group - biotite andesite (6) Kettle River Group - Dacite flows, conglomerate, sandstone
	CRETACEOUS & EARLY TERTIARY (5) Valhalla biotite granodiorite
MESOZOIC	CRETACEOUS & JURASSIC (4) Nelson hornblende granodiorite
PALEOZOIC	PERMIAN (?) (3) Anarchist group - greenstone, greywacke (2) Cache Creek group - greenstone
	PRECAMBRIAN PROTEROZOIC (?) Monashee Group - biotite gneiss

Figure 3

Norcen Energy Resources Limited

CAMPBELL CHIBOUGAMAU MINES LTD.
E & B EXPLORATIONS LTD.
ONTARIO HYDRO
LACANA MINING CORPORATION

REGIONAL GEOLOGY
KELOWNA - BEAVERDELL AREA

0 5 10 15 km.

SCALE - 1: 250,000

NOTE: GEOLOGY AFTER CHRISTOPHER 1978, LITTLE 1957, OKOLITCH 1979

Intruding these plutonic rocks are a number of dykes which have been classified as felsic, intermediate and mafic. Buff weathering, dacitic felsic dykes are common in the west half of the Beverly and Patricia claims where they generally trend at 30 degrees. Intermediate, medium grey dykes consist of biotite and hornblende phenocrysts in a microcrystalline groundmass. Dark grey, mafic dykes are composed of plagioclase phenocrysts and clots of hornblende and biotite in a fine-grained matrix.

Near the southern boundary of an intermediate dyke a poorly exposed body of amphibolite occurs. This occurrence in the northeast section of the Moraig claims is the only known exposure on the property.

Near the southern boundary of an intermediate dyke a poorly exposed body of amphibolite occurs. This occurrence in the northeast section of the Moraig claim is the only known exposure on the property.

Feldspar, quartz, biotite, muscovite pegmatites are common in Valhalla rocks in the northeast section of the Beverly claim and underlying the ore zone.

Unconformably overlying these Cretaceous basement rocks, and occupying a sinusoidal paleochannel eroded into the basement, is a sequence of loosely consolidated Miocene sediments. These sediments host the bulk of the uranium mineralization discovered to date. This channel has an average slope of 1.5 degrees southeast. The length of the channel is approximately 1900 metres and the width ranges from 80 metres at the south end to 450 metres toward the centre. Sedimentary rocks in the channel can be divided into five lithofacies: conglomerate, clean sandstone, carbonaceous sandstone, sandstone-mudstone, and carbonaceous mudstone.

The sandstones and conglomerates are immature and appear to be locally derived from underlying granitic rocks and are of similar composition. Highest grade uranium mineralization occurs in the clean sandstones, probably because of the high porosity of this unit. Grey carbonaceous sandstones often occur interbedded with grey or brown carbonaceous mudstone. Where thinly interbedded the unit is called sandstone-mudstone.

Overlying these fluvial sediments for 1200 metres is an ellipsoidal cap of olivine Miocene basalt. Uranium mineralization locally occurs in highly altered vesicular basalt at the sediment basalt unconformity. In the northwest corner of the deposit a mushroom shaped diatreme intrudes the basement rock, Miocene sediments and the lower part of the basalt cap. The diatreme consists of fragments of granitic, dacitic, and basaltic rocks in a tuffaceous, silty, clayey or sandy matrix. Significant intersections of uranium mineralization occur in the diatreme.

Uranium Mineralization

Uranium in loosely consolidated Miocene sediments occurs mainly as the minerals meta-autunite and saleeite. In mudstone uranium probably occurs as organic-uranium complexes. Within clean sandstone meta-autunite and saleeite occur as individual crystals and crystal aggregates and as surface coatings on limonite concretions. Fine grains of meta-autunite and saleeite occur in carbonaceous sandstones. Within the diatreme uranium occurs as meta-autunite, saleeite and in a dark sooty mineral.

8. 1979 Exploration Program

The 1979 exploration program on the Beverly - Blizzard group was carried out intermittently between May 26 and September 12, 1979, and consisted of surveying, radon surveys, soil geochemical surveys and percussion drilling.

The original baseline of the survey grid, which was established over the Blizzard deposit in 1978 was extended 150 metres to the northwest and 1020 metres to the southeast. These grid extensions are referred to as the north Blizzard grid and the south Blizzard grid (See Map 2). The surveying was carried out by McWilliam, Whyte, Goble and Associates, British Columbia Land Surveyors from Kamloops, B.C. Surveyed crosslines were marked at 300 metre spacing along the baseline. All intermediate crosslines were established by hip-chain and compass.

On the north Blizzard grid, soil samples were collected along the crosslines at 60 metre intervals and radon in soils were measured every 30 metres (See Map 3) using an EDA Instruments Inc. portable radon detector model RD 200. This instrument detects radon by counting alpha particles emitted during the disintegration of Radon 222 to Polonium 218. Atmospheric background readings of one minute interval and soil gas readings of five minute interval were taken at each station. Soil gas samples were obtained by driving a metal rod approximately 50 cm into the soil and then inserting a 30 cm steel probe into the hole made by the rod. The hole was then sealed with a rubber plug and gas pumped from the hole into the detector. Radon gas measurements in counts per minute were obtained by subtracting the background readings from one-fifth the soil gas reading. A total of 43 soil samples (See Map 4) were collected from the B Horizon (where present) and sent to Loring Laboratories Limited in Calgary. The analytical method and assay certificates are compiled in the Appendix. Uranium in soil values range from 0.9 ppm to 340 ppm. Seventy-eight radon readings were measured. The highest reading was 1476 cpm which lies in close proximity to the defined edge of the Blizzard deposit (3630N, 20E).

The south Blizzard grid straddles the Blizzard-Patricia claim boundary. A total of 54 soil sample stations lie within the Blizzard claim.

A 28 hole percussion drilling program totalling 340.80 metres was carried out between August 17 and September 13 on the south Blizzard grid.

Drilling was done by Tonto Drilling Ltd. of Kamloops, B.C. using a truck mounted Atlas - Copco drill which drilled 5 cm (2 inch) holes. Holes were drilled using air unless water was encountered when drilling, as was generally the case when drilling thick overburden or Miocene sediments, in which casewater was used. Cuttings were collected in continuous 1.5 m (5 feet) intervals and placed in plastic sample bags by the drillers. These were visually examined

and scanned with a McPhar TV-1A spectrometer by the geologist as collected at the drill site. A second examination using a binocular microscope was conducted where further detail was required. Representative samples were taken from each 1.5 m sample and are stored at the Lassie Lake camp. Cuttings suspected of being Miocene sediments, those showing radioactivity greater than twice background, and those containing autunite were sent for uranium assay to Loring Laboratories Ltd., Calgary (analytical method and assay certificates in appendix). All holes were cemented after completion.

A summary of the results of the drilling program on the Blizzard claim are compiled in Table 2 and detailed logs are included in the appendix. The drill hole locations are shown on Map 7.

TABLE 2 PERCUSSION DRILL HOLE LOG SUMMARY

Hole Number (79-P-)	Overburden Contact (m)	Miocene Sediment Basement Contact (m)	Miocene Sediment Thickness (m)	Basement Elevation (m)	Total Depth (m)	Collar Elevation (m)	Collar Coord.
1	5.2	—	0	1325	28.95	1334.87	2046.49N, 282.39W
2	—	5.5	5.5	1315.5	12.19	1319.59	2037.72N, 210.83W
3	4.6	12.8	8.2	1309	18.29	1321.37	2039.85N, 125.41W
4	4.6	7.6	3.0	1308.5	12.19	1315.80	2034.83N, 56.67W
5	3.0	—	0	1311	12.19	1313.57	2037.17N, 2.79W
6	1.5	—	0	1308.5	13.72	1310.00	2042.55N, 62.05E
7	1.5	—	0	1304.5	12.19	1305.94	2040.30N, 114.80E
8	1.5	—	0	1299.5	18.29	1300.90	2041.57N, 179.75E
9	4.6	—	0	1289.5	12.19	1293.28	1919.54N, 180.85E
10	3.0	—	0	1293	18.29	1299.12	1921.37N, 117.33E
11	1.5	—	0	1299.5	12.19	1300.12	1919.16N, 58.42E
12	1.5	—	0	1303.5	12.19	1304.82	1920.44N, 2.09W
13	2.1	—	0	1306	12.19	1307.14	1921.48N, 62.22W
14	—	8.2	8.2	1301	15.20	1309.03	1925.77N, 122.24W
15	6.1	—	0	1302	12.19	1308.98	1925.26N, 180.12W
16	4.6	21.3	16.7	1296.5	27.43	1316.72	1915.99N, 239.80W
17	0.3	—	0	1321.5	9.14	1321.42	1911.44N, 309.19W
18	3.4	—	0	1305.5	9.14	1309.08	1744.49N, 462.24W
19	1.8	—	0	1302	9.14	1303.38	1744.45N, 392.91W
20	4.0	—	0	1296	9.14	1299.20	1737.76N, 335.35W
21	4.6	—	0	1292.5	12.19	1296.36	1744.68N, 273.22W
22	3.7	—	0	1289.5	12.19	1293.58	1745.09N, 275.40W
23	3.7	—	0	1288.5	12.19	1291.84	1746.81N, 157.06W
24	1.8	—	0	1291	12.19	1292.73	1571.75N, 311.14W
25	3.4	—	0	1292.5	10.67	1295.89	1570.18N, 364.89W
26	4.3	—	0	1293.5	12.19	1297.93	1571.15N, 422.03W
27	1.5	—	0	1300.5	10.67	1303.30	1564.67N, 492.52W
28	0.9	—	0	1305	9.14	1305.45	1562.88N, 544.04W
29	6.1	—	0	1301	12.19	1305.23	1561.74N, 604.35W
30	25.9	—	—	1304	45.72	1326.93	—
31	24.4	—	—	1306.5	33.53	1329.86	—
32	38.1	—	—	1299	48.77	1334.05	—
33	7.0	—	—	1338	15.24	1338.86	—
34	9.1	—	—	1336	18.29	1338.78	—
35	7.6	—	—	1337.5	12.19	1338.96	—

TABLE 2 Continued

Hole Number (79-P--)	Overburden Contact (m)	Miocene Sediment Basement Contact (m)	Miocene Sediment Thickness (m)	Basement Elevation (m)	Total Depth (m)	Collar Elevation (m)	Collar Coord.
36	27.4	—	—	1327.5	36.57	1340.04	Joan Lake Road drill holes
37	35.1	—	—	1310	51.81	1339.47	
38	29.0	—	—	1316	39.62	1339.38	
39	35.1	—	—	1310	54.86	1337.42	
40	0	—	—	1343	9.14	1337.03	
41	4.6	—	—	1335.5	12.19	1334.31	
42	39.6	—	—	1303.5	48.77	1335.96	
43	12.8	—	—	1327	21.33	1334.19	
44	10.1	—	—	1330	18.29	1333.07	
45	1.5	6.7	5.2	1310.5	18.29	1317.48	
46	8.5	19.8	11.3	1294	30.48	1313.92	1881.65N, 240.89W
47	2.4	4.9	2.5	1302	13.72	1306.73	1838.56N, 245.20W
48	4.6	7.6	3.0	1298.5	15.24	1306.01	1824.87N, 267.73W
49	3.0	12.8	9.8	1307	21.33	1320.31	1945.81N, 242.41W
50	1.8	6.4	4.6	1304.5	12.19	1311.69	1914.01N, 215.68W
51	3.0	—	0	1308	7.62	1312.01	1845.02N, 304.19W
52	1.5	4.6	3.1	1303.5	10.67	1306.54	1857.25N, 215.86W
53	0	—	0	1306	6.10	1305.26	1751.28N, 425.37W
54	3.7	—	0	1299.5	9.14	1301.75	1743.73N, 364.10W
55	2.7	—	0	1295.5	9.14	1297.77	1740.84N, 303.10W
56	1.5	—	0	1292.5	9.14	1294.65	1746.59N, 242.91W
57	4.6	—	0	1288.5	9.14	1293	1760N, 180W
58	1.5	—	0	1290.5	9.14	1291.46	1748.35N, 120.19W
59	5.2	—	0	1284	9.14	1288.00	1564.13N, 46.75W
60	5.5	—	0	1283.5	9.14	1287.99	1602.14N, 51.60W
61	3.7	—	0	1285.5	8.53	1288.08	1653.16N, 65.30W
62	1.5	6.1	4.6	1284	21.33	1289.75	1740.17N, 0.40W
63	1.5	6.1	4.6	1285	12.19	1290.47	1740.19N, 30.71W
64	2.4	3.4	1.0	1289.5	9.14	1291.57	1742.35N, 61.09W
65	1.5	—	0	1290.5	9.14	1292.03	1742.15N, 91.09W
66	3.0	—	0	1287	9.14	1289.05	1737.51N, 63.66E
67	0	4.6	4.6	1285.5	12.19	1288.92	1735.63N, 29.87E
68	4.3	13.1	8.8	1300	21.33	1311.49	1886.18N, 210.06W
69	2.1	16.8	14.7	1296	21.33	1312.67	1953.11N, 210.76W

TABLE 2 Continued

<u>Hole Number (79-P-)</u>	<u>Overburden Contact (m)</u>	<u>Miocene Sediment Basement Contact (m)</u>	<u>Miocene Sediment Thickness (m)</u>	<u>Basement Elevation (m)</u>	<u>Total Depth (m)</u>	<u>Collar Elevation (m)</u>	<u>Collar Coord.</u>
70	10.7	—	0	1280.5	16.76	1289.55	1093.80N, 303.64W
71	3.7	—	0	1303.5	12.19	1306.21	1920.44N, 30.78W
72	1.5	—	0	1306.5	9.14	1308.38	1923.71N, 91.41W
73	4.6	—	0	1305.5	12.19	1309.98	1920.72N, 154.92W
74	1.5	3.0	1.5	1299	9.14	1303.17	1840.83N, 211.59W
75	10.7	22.9	12.2	1279	27.43	1302.49	1841.65N, 180.42W
76	1.5	3.0	1.5	1296	12.19	1300.04	1837.73N, 151.70W
77	9.1	—	0	1290	21.33	1299.56	1836.56N, 121.96W
78	0	—	0	1300	6.10	1300.01	1834.39N, 87.79W
79	0	—	0	1300	9.14	1299.16	1833.93N, 60.60W
80	2.1	—	0	1297	9.14	1298.42	1832.44N, 34.87W
81	6.1	—	0	1292	15.24	1297.50	1829.67N, 0.45W
82	1.5	—	0	1293.5	6.10	1296.08	1307.74N, 786.75W
83	3.4	—	0	1301.5	7.62	1303.62	1375.80N, 809.77W
84	9.1	—	0	1311	15.24	1318.35	1420.77N, 967.61W
85	3.7	—	0	1301.5	9.14	1305.70	1220.64N, 1177.44W
86	2.7	—	0	1307.5	6.10	1305.80	1286.82N, 1070.96

9. Itemized Cost Statement

A. Personnel

<u>Name</u>	<u>Dates</u>	<u>Number of Days</u>	<u>Rate/ Day \$</u>	<u>Cost \$</u>
R. Cann, Geologist logging drill chips	Aug. 26, 27, 28 Sept. 10, 11, 12	6	100	600
D. Shearer - geological assistant, radon and soil survey	June 4 - 15	12	60	720
T. Turner - Exploration Supervisor, report preparation	Feb. 9, 10	2	175	350

Total Man Days = 20
Total Cost = 1 670

B. Accomodation & Meals

\$20/man/day for a total of 18 man days 360

C. Transportation

4 X 4 Crew Cab rented from Avis in Kelowna
12 days @\$50 per day 600

D. Geochemical Analyses by Loring Labs Ltd. in Calgary
97 samples @\$5 per sample 485

E. Drill Site Preparation

Contracted to Olinger Contracting of Kelowna
Cat costs \$45 per hour for 24 hours 1 080

F. Surveying

Contracted to McWilliam, Whyte, Goble and Associates -
Extension of baseline 3 262

G. Drilling Costs

Contracted to Tonto Drilling Group
(Thirty-Two Albert Crescent Limited)
340.80 metres @ \$15.80/metre 5 384

Total Expenditures on claims during 1979 \$12 841

10.

STATEMENT OF QUALIFICATIONS

I, Arthur Terry Turner of the City of Calgary, in the Province of Alberta, do hereby state:

1. I am a graduate of the University of Alberta, Edmonton, with a B.Sc. in Geology, obtained 1969.
2. I have been continuously employed as a geologist in all phases of mineral exploration since my graduation in 1969.
3. I have been involved in mineral exploration in Canada and Australia since 1969.
4. I have been employed by Norcen Energy Resources Limited, Calgary, Alberta, as a geologist since February 1, 1977.
5. I am a registered member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
6. I prepared this assessment report from information obtained from the Yearend Geological Report, 1979 Drilling and Exploration Program, Blizzard Special Project Properties, British Columbia by R. Cann and D. A. Sawyer dated November, 1979.


Arthur Terry Turner

February 11, 1979

APPENDIX 1

SOIL SAMPLE DESCRIPTIONS, ANALYTICAL
METHOD, ASSAY CERTIFICATES

Table 4 SOIL SAMPLE DESCRIPTIONS

North Blizzard Grid

Sample Number	U ₃ O ₈ ppm	Soil horizon sampled	Depth (cm)	Colour	Remarks
100	2.2	B	15	Light brown	Disturbed
101	5.2	B	20	Dark red-brown	Disturbed
102	4.0	B	15	Light brown	
103	4.0	B	15	Light brown	
104	1.6	B	15	Light brown	
105	1.3	B	15	Light brown	
106	1.8	B	15	Light brown	
107	1.6	B	20	Light brown	
108	14.3	B	15	Grey	
109	10.7	B	10	Light brown	Disturbed
110	4.0	B	20	Grey & brown	
111	1.6	B	15	Grey	
112	20.2	B	20	Grey	
113	1.5	B	10	Grey	
114	0.9	B	15	Red-brown	
115	4.6	B	15	Red-brown	
116	4.2	B	20	Grey	
117	9.5	B	15	Light brown	
118	2.4	B	15	Grey	
119	2.0	B	25	Grey	
120	5.9	B	10	Brown	Disturbed
121	2.2	B	10	Light brown	
122	10.3	B	15	Grey	
123	2.5	B	20	Grey	
124	2.2	B	10	Light brown	
125	2.0	B	10	Light brown	
126	5.7	B	5	Light brown	Disturbed
127	340.0	A	30	Dark brown	
128	2.9	B	15	Grey	
129	2.9	B	15	Grey	
130	7.1	B	15	Grey	
131	18.4	B	15	Grey	
132	10.3	B	20	Grey	
133	11.3	B	15	Red-brown	
134	4.0	B	15	Red-brown	
135	5.9	B	10	Red-brown	Old road
136	4.0	B	15	Grey	
137	7.1	B	20	Grey	

Table 4 Continued

North Blizzard Grid

<u>Sample Number</u>	<u>U₃₀₈ ppm</u>	<u>Soil horizon sampled</u>	<u>Depth (cm)</u>	<u>Colour</u>	<u>Remarks</u>
138	5.0	B	20	Red-brown	
139	16.5	B	15	Grey	
140	29.1	B	25	Red-brown	
141	3.1	B	30	Grey	
142	—	B	25	Red-brown	
143	9.0	B	25	Grey	
144	1.6	B	25	Red-brown	

South Blizzard Grid

145	2.0	B	25	Brown	Road-side
146	1.6	B	25	Light brown	
147	1.3	B	25	Gold	
148	1.1	B	25	Gold	
149	1.1	B	25	Brown	
150	3.8	B	25	Grey	
151	1.8	B	25	Red-brown	
152	0.2	B	15	Red-brown	Disturbed
153	0.2	B	25	Brown-grey	
154	0.4	B	25	Grey	
155	1.3	B	25	Grey	
156	0.7	B	15	Light brown-grey	Near cat work
157	1.8	B	30	Grey	Edge of creek
158	0.7	B	25	Gold-brown	
159	1.3	B	25	Grey	
160	0.4	B	30	Dark grey	
161	1.1	B	25	Red-brown	
162	1.8	B	15	Light red-brown	
163	1.1	B	25	Grey	
164	2.0	B	25	Brown	
165	1.6	B	25	Red-brown	
2163	1.6	B	25	Gold	
166	0.7	B	25	Brown-grey	
167	0.4	B	25	Gold	
168	2.9	B	25	Light brown	
169	0.9	B	25	Red-brown	
170	0.9	B	25	Gold	
171	0.7	B	25	Gold	

Table 4 Continued

South Blizzard Grid

<u>Sample Number</u>	<u>U₃₀₈ ppm</u>	<u>Soil horizon sampled</u>	<u>Depth (cm)</u>	<u>Colour</u>	<u>Remarks</u>
172	3.8	B	25	Gold	
173	2.7	B	25	Grey	
174	1.6	B	25	Gold	
175	2.2	B	25	Gold	
176	4.5	B	25	Grey	
177	13.0	B	27	Grey	
178	6.3	B	25	Grey	Rocky
179	2.2	B	25	Grey	
180	2.4	B	25	Grey	
181	2.7	B	25	Gold	
182	2.7	B	10	Light brown	Swampy
183	8.6	B	25	Gold	
184	0.8	B	25	Gold	
185	0.4	B	25	Gold	
186	9.6	B	30	Grey	
187	2.9	B	25	Gold	
188	0.4	B	25	Red-brown	
189	1.0	B	25	Gold	
190	5.9	B	25	Gold	
191	5.9	B	25	Brown	
192	2.2	B	25	Gold	
193	2.2	B	25	Brown	Edge of road
194	11.2	A	25	Dark brown	Swampy
195	10.8	A	25	Black	Swampy
196	42.0	A	25	Black	Swampy
197	2.9	B	25	Gold	Edge of road
198	1.4	B	25	Gold	Disturbed
199	0.2	B	25	Gold	Disturbed
200	0	B	25	Gold-green	Disturbed
201	9.2	B	25	Gold-green	
202	3.3	B	25	Gold-grey	
203	4.9	B	25	Light brown	
204	1.6	B	25	Light brown	
205	4.3	B	25	Red-brown	
206	1.6	B	25	Red-brown	Disturbed
207	5.1	B	25	Light brown	
208	4.7	B	25	Light brown	
209	2.7	B	25	Gold	
210	0.8	B	25	Gold	

Table 4 Continued

South Blizzard Grid

Sample Number	U ₃ O ₈ ppm	Soil horizon sampled	Depth (cm)	Colour	Remarks
211	0.4	B	20	Gold	
212	1.2	B	20	Gold	
213	14.7	A	25	Black	
214	1.8	B	20	Grey	
215	1.0	B	25	Gold	
216	2.4	B	25	Gold	
217	5.0	B	20	Red-brown	
218	4.6	B	25	Red-brown	
219	0.9	B	25	Red-brown	
220	1.3	B	25	Light brown	
221	0.7	B	25	Gold	
222	0.4	B	25	Gold	
223	1.6	B	25	Gold	Below seep
224	0.7	B	25	Gold, grey	
225	3.1	B	25	Grey, black	
226	2.9	B	25	Red-brown	
227	1.3	B	25	Red-brown	
228	0.9	B	25	Gold	
229	2.2	B	25	Red-brown	
230	1.1	B	25	Gold	
231	0.7	B	25	Gold	
232	38.0	A	25	Black	Boggy
233	—	B	25	Gold	
234	1.6	B	25	Gold	
235	1.1	B	25	Light brown	
236	5.9	B	25	Light brown	
237	4.2	B	25	Light brown	
238	4.2	B	25	Gold	
239	2.4	B	25	Grey	
240	7.0	B	25	Grey	
241	8.6				
242	56.9				
243	17.8	A	25	Black	
244	1.5	B	25	Gold	
245	4.2	B	25	Gold	
246	2.4	B	25	Gold	
247	2.9	B	25	Gold	
248	5.1	B	25	Gold	
249	2.9	B	25	Gold	

Table 4 Continued

South Blizzard Grid

Sample Number	U ₃₀₈ ppm	Soil horizon sampled	Depth (cm)	Colour	Remarks
250	3.5	B	25	Gold	Near ditch
251	2.0	B	25	Grey	
252	1.5	B	25	Grey	
253	1.5	B	25	Gold	
254	2.0	B	25	Light brown	Beside swamp
255	3.7	B	30	Light brown	
256	2.0	B	25	Gold	
257	9.0	B	25	Light brown	
258	3.7	B	25	Gold	
259	1.1	B	25	Gold	
260	1.5	B	12	Gold	
600	0.8	B	20	Gold	
601	1.4	B	25	Gold	
602	2.0	B	25	Gold	
603	0.8	B	25	Gold	
604	0.8	B	10	Light brown	On road
605	0.6	B	20	Light brown	On road
606	0.6	B	10	Light brown	
607	4.7	B	15	Dark brown	
608	5.9	B	25	Gold	
609	1.8	B	8	Brown	
610	0.6	B	10	Orange-brown	
611	0.4	B	20	Light brown	
612	0.8	B	25	Brown	
613	1.2	B	25	Gold-grey	
614	1.4	B	20	Gold-brown	
615	16.1	A	20	Dark brown, black	
616	1.0	B	25	Gold	
617	2.0	B	25	Gold	
618	8.4	B	25	Brown	
619	7.5	B	15	Light brown	
620	1.6	B	10	Light brown	Edge of road
621	1.4	B	15	Orange brown	
622	8.2	B	25	Brown	
623	6.3	B	25	Gold	
624	2.4	B	10	Brown	
625	3.2	B	20	Brown	On old road
626	2.6	B	20	Gold	
627	4.3	B	15	Brown	
628	2.0	B	15	Brown	
629	1.0	B	15	Brown	

Table 4 Continued

South Blizzard Grid

<u>Sample Number</u>	<u>U₃O₈ ppm</u>	<u>Soil horizon sampled</u>	<u>Depth (cm)</u>	<u>Colour</u>	<u>Remarks</u>
630	0.6	B	10	Gold-brown	
631	1.0	B	10	Gold-brown	
632	4.3	B	15	Gold-brown	
633	2.4	B	20	Gold-brown	
634	3.6	B	10	Brown	Edge of road
635	2.6	B	15	Gold-brown	
636	1.0	B	15	Gold-brown	
637	0.4	B	15	Gold-brown	
638	0.6	B	10	brown	
639	1.0	B	10	Red-brown	
640	0.6	B	15	Gold-brown	
641	0.6	B	10	Gold	
642	28.8	A	20	Dark Brown, black	
643	0.4	B	15	Brown	
644	0.2	B	15	Orange-brown	
645	0.8	B	10	Red-brown	
646	0.4	B	15	Brown	
647	0.8	B	15	Grey, brown	
648	0.8	B	10	Orange-brown	
649	0.6	B	10	Brown	Roadside
650	1.2	B	15	Brown	
651	0.4	B	15	Gold-brown	
652	0.6	B	20	Brown	

Moraig Grid

261	1.1	B	20	Gold	
262	2.0	B	25	Sandy-brown	
263	1.5	B	25	Sandy-brown	
264	6.8	B	25	Sandy-brown	Edge of Road
265	2.9	B	25	Sandy-brown	
266	1.5	B	20	Gold	
267	4.2	B	25	Gold	
268	3.3	B	25	Red-gold	
269	1.1	B	25	Sandy-brown	
270	2.4	B	25	Sandy-brown	
271	4.2	B	25	Sandy-brown	
272	0.2	B	25	Grey	
273	0.6	B	25	Sandy-brown	
274	0.6	B	25	Grey	
275	4.1	B	25	Grey	
276	3.8	B	25	Gold	
277	0.4	B	25	Gold	

Table 4 Continued

Moraig Grid

Sample Number	U ₃ O ₈ ppm	Soil horizon sampled	Depth (cm)	Colour	Remarks
278	2.6	B	25	Grey	
279	4.7	B	30	Green-grey	
280	3.2	B	30	Grey	
281	44.9	A	35	Black	Swampy
282	1.0	B	30	Gold	Side of road
283	0.2	B	30	Gold	
284	2.4	B	25	Grey	
285	1.4	B	25	Gold	
286	2.0	B	25	Sandy-brown	
287	1.4	B	25	Sandy-brown	
288	4.7	B	25	Red-brown	
289	5.3	B	25	Sandy-brown	
290	5.5	B	25	Red-brown	
291	1.0	B	25	Sandy-brown	
292	0.4	B	25	Red-brown	
293	1.6	B	25	Gold	
294	30.0	A	25	Black	Swampy
295	2.4	B	25	Gold	
296	0.6	B	25	Gold	
297		B	25	Red-brown	
298					
299	0.2	B	25	Sandy-brown	
300	0.4	B	25	Grey	
301	0.8	B	25	Grey	
302	1.0	B	25	Grey	
303	2.0	B	25	Grey	
304	1.0	B	25	Gold	
305	1.0	B	25	Gold	
306	0.6	B	25	Gold	
307	1.8	B	25	Gold	
308	1.2	B	25	Grey	
309	0.8	B	25	Gold	
310	1.4	B	25	Sandy-gold	Disturbed
311	0.4	B	25		Disturbed
312	0	B	25	Red-brown	
313	1.0	B	25	Red-brown	
314	2.8	B	25	Grey	
315	0.8	B	25	Red-brown	

Table 4 Continued

Moraig Grid

<u>Sample Number</u>	<u>U₃₈ ppm</u>	<u>Soil horizon sampled</u>	<u>Depth (cm)</u>	<u>Colour</u>	<u>Remarks</u>
316	4.1	B	25	Grey	Roadside
317	3.2	B	15	Sandy-brown	
318	10.8	B	25	Gold	
319	1.8	B	25	Red-brown	
320	12.0	B	25	Gold	
321	3.0	B	25	Gold	
322	1.0	B	25	Gold	
323	0.6	B	25	Gold	
324	2.6	B	25	Gold	
325	1.2	B	25	Gold	
326					
327	0.8	B	25	Sandy-yellow	
328	1.0	B	25	Red-brown	
329	1.8	B	25	Gold	Roadside
330	1.0	B	25	Gold	
331	1.8	B	25	Gold	
332	3.4	B	25	Gold	
333	2.8	B	25	Gold	
334	2.4	B	25	Gold	
335	6.5	B	25	Gold	
336	2.4	B	25	Gold	
337	3.2	B	25	Gold	
338	1.2	B	25	Gold	
339	1.4	B	25	Grey-gold	
340	1.0	B	25	Gold	
341	2.8	B	25	Gold	
342	2.0	B	25	Gold	
343	2.6	B	25	Gold	
344	3.0	B	25	Grey	
345	1.4	B	25	Gold	
346	1.6	B	25	Gold	
347	2.0	B	25	Gold	
348	1.6	B	25	Gold	
349	3.4	B	25	Brown	
350	1.2	B	25	Gold	
351	1.6	B	15	Red-brown	
352	1.6	B	15	Brown	
353	4.4	—	20	Brown	Swampy

Table 4 Continued

Moraig Grid

Sample Number	U ₃₀₈ ppm	Soil horizon sampled	Depth (cm)	Colour	Remarks
354	1.2	B	10	Light brown	
355	1.6	B	15	Red-brown	
356	0.6	B	15	Red-brown	
357	1.0	B	10	Light brown	
358	2.0	B	15	Red-brown	
359	1.4	B	20	Red-brown	
360	1.8	B	15	Grey & brown	Old road
361	1.6	B	15	Brown	
362	2.6	B	20	Brown	
363					
364	1.0	B	12	Sandy-brown	
365	1.2	B	25	Gold	
366	9.4	A	25	Black	Swampy
367	5.4	A	25	Black	Swampy
368	11.2	A	25	Black	Swampy
369	2.0	B	25	Grey	
370	2.6	B	25	Gold	
371	4.0	B	25	Gold	
372	3.0	B	25	Gold	
373	2.0	B	25	Gold	
374	1.6	B	25	Gold	
375	2.4	B	25	Gold	
376	1.2	B	15	Brown	
377	1.4	B	15	Brown	
378	2.2	B	10	Brown & grey	
379	2.6	B	20	Brown	
380	3.8	B	20	Brown	
381	2.2	B	20	Brown	
382	2.0	B	20	Brown	
383	1.2	B	15	Grey-brown	
384	18.6	A	15	Black	Bog
385	4.8	A	20	Dark brown	Organic
386	1.4	B	15	Brown	
387	1.2	B	20	Brown	
388					
389	1.0	B	25	Gold	
390	2.0	B	25	Grey	
391	1.4	B	25	Gold	

Table 4 Continued

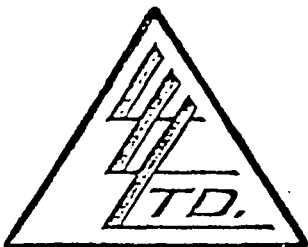
Moraig Grid

<u>Sample Number</u>	<u>U₃O₈ ppm</u>	<u>Soil horizon sampled</u>	<u>Depth (cm)</u>	<u>Colour</u>	<u>Remarks</u>
392	2.0	B	25	Grey	
393	1.8	B	25	Gold	
394	3.2	B	25	Grey	
395	3.4	B	25	Grey	
396	1.0	B	25	Gold	
397	1.0	B	25	Gold	
398	1.0	B	25	Gold	
399	3.0	B	25	Gold	
400	0.6	B	20	Light brown	
401	0.6	B	20	Light brown	
402	1.2	B	20	Light brown	
403	1.6	B	20	Red-brown	
404	1.0	B	20	Light brown	
405	1.2	B	15	Light brown	
406	0.6	B	15	Light brown	
407	1.0	B	15	Light brown	
408	1.8	B	15	Red-brown	Old road
409	0.4	B	15	Brown	
410	0.4	B	10	Light brown	
411	0.6	B	10	Light brown	
412	0.2	B	15	Light brown	
413	0.8	B	10	Light brown	
414	0.8	B	20	Light brown	
415	3.2	B	20	Red-brown	
416	23.7				
417	2.8	B	25	Grey	
418	4.0	B	25	Gold	
419	1.6	B	25	Gold	
420	2.4	B	25	Gold	
421	3.2	B	25	Gold	
422	1.6	B	25	Gold	
500	2.2	B	15	Red-brown	
501	2.2	B	10	Light brown	
502	0.6	B	10	Grey	
503	3.4	B	10	Red-brown	
504	1.2	B	10	Red-brown	
505	1.0	B	15	Red-brown	Old road

Table 4 Continued

Moraig Grid

<u>Sample Number</u>	<u>U₃O₈ ppm</u>	<u>Soil horizon sampled</u>	<u>Depth (cm)</u>	<u>Colour</u>	<u>Remarks</u>
506	0.6	B	10	Red-brown	
507	1.6	B	15	Red-brown	Old road
508	0.8	B	10	Brown	
509	1.2	B	10	Light brown	
510	1.8	B	10	Grey	
511	0.6	B	15	Grey-brown	



629 Beaverdam Rd. N.E.
Calgary 67, Alberta

LORING LABORATORIES LTD.

Phone 274-2777

Assay Uraniums - Fluorimetric

Sample Preparation

All cores and chips are crushed and ground to 100% minus 100 mesh, mixed and placed in pre-marked assay bags.

Sample Dissolution

If samples contain carbon, the 1 gram samples are calcined in porcelain crucibles at 500° C and transferred to 250 ml. beakers.

10 mls. HCl are added, boiled gently for ten minutes, 5 mls. HNO₃ are then added and boiled a further 10 minutes. Remove lids and wash down sides of beakers. 3 mls. HF and 10 mls. (1:1) H₂SO₄ are added and assays are taken to dryness overnight.

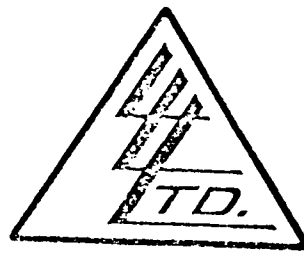
10 mls. HCl are added to cooled beaker, the assay is then boiled gently for 10 minutes and filtered into 100 ml. volumetrics. After washing well with hot distilled water the flasks are cooled and shaken. A 100 lambda aliquot is then taken in triplicate to platinum crucibles. Standards of 0, .1, 1.0, 3.0, 5.0, 10.0 and 50.0 ppm conc U₃O₈ are carried with each series of samples and used to calibrate instrument. Also, standards of known value are carried with each series of samples to correct for any variance in fusion temperature or instrument fluctuation.

0.3 g of Na₂CO₃ - NaF flux are placed in pt. crucible and they are then fused at 850° C for 2½ minutes.

When samples have solidified and cooled they are read on fluorimeter.



To: NORCEN ENERGY RESOURCES LIMITED
 27th Floor,
 715 - 5th Avenue S.W.
 CALGARY, Alberta T2P 2X7
 ATTN: Don Sawyer
 cc: E. Larabie



File No. 17114
 Date June 14th, 1979
 Samples Soils

**Certificate of
 ASSAY of
 LORING LABORATORIES LTD.**

Page # 1

SAMPLE No.	PPM U308	
<u>SOIL SAMPLES "</u>		<u>NORTH BLIZZARD GRID</u>
100	2.2	
101	5.2	
102	4.0	
103	4.0	
104	1.6	
105	1.3	
106	1.8	
107	1.6	
108	14.3	
109	10.7	
110	4.0	
111	1.6	
112	20.2	
113	1.5	
114	0.9	
115	4.6	
116	4.2	
117	9.5	
118	2.4	
119	2.0	
120	5.9	
121	2.2	
122	10.3	
123	2.5	
124	2.2	
125	2.0	
126	5.7	
127	340.0	
128	2.9	
129	2.9	

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Specs Retained one month.
 Pulps Retained one month
 unless specific arrangements
 be made in advance.

E. M. J. Mac
 Licensed Assayer of British Columbia

To: NORCEN ENERGY RESOURCES LIMITED

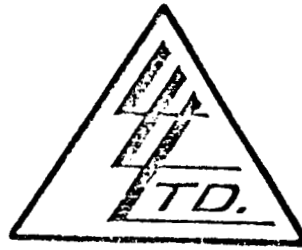
27th Floor

715 - 5th Avenue S.W.

CALGARY, Alberta T2P 2X7

ATTN : Don Sawyer

cc : E. Larabie



File No. 17114

Date June 14th, 1979

Samples Soils

Certificate of
ASSAY of

LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM U308	
130	7.1	
131	18.4	
132	10.3	
133	11.3	
134	4.0	
135	5.9	
136	4.0	
137	7.1	
138	5.0	
139	16.5	
140	29.1	
141	3.1	
142*	-	
143	9.0	
144	1.6	
145	2.0	<u>SOUTH BLIZZARD GRID</u>
146	1.6	
147	1.3	
148	1.1	
149	1.1	
150	3.8	
151	1.8	
152	0.2	
153	0.2	
154	0.4	
155	1.3	
156	0.7	
157	1.8	
158	0.7	
159	1.3	
160	0.4	
Sample Missing		

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Samples Retained one month.
Pulps Retained one month
Special specific arrangements
to be made in advance.

E. M. S. J. S. A. C.
Licensed Assayer of British Columbia

to: NORCEM ENERGY RESOURCES LIMITED

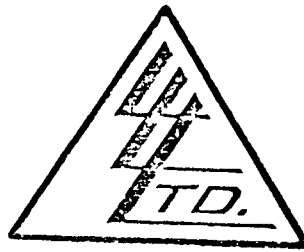
27th Floor,

715 - 5th Avenue S.W.

CALGARY, Alberta T2P 2X7

ATTN : Don Sawyer

cc : E. Larabie



File No. 17114

Date June 14th, 1979

Samples Soils

Certificate of
ASSAY of

LORING LABORATORIES LTD.

Page # 3

SAMPLE No.

PPM
U308

SOUTH BLIZZARD GRID

161	1.1
162	1.8
163	1.1
164	2.0
165	1.6
166	0.7
167	0.4
168	2.9
169	0.9
170	0.9
171	0.7
172	3.8
173	2.7
174	1.6
175	2.2
176	4.5
177	13.0
178	6.3
179	2.2
180	2.4
181	2.7
182	2.7
183	8.6
184	0.8
185	0.4
186	9.6
187	2.9
188	0.4
189	1.0
190	5.9
191	5.9

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Samples Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

Licensed Assayer of British Columbia

To: NORCEN ENERGY RESOURCES LIMITED

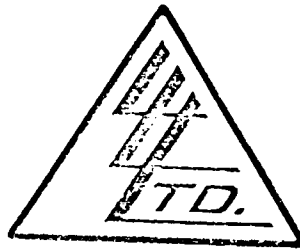
27th Floor

715 - 5th Avenue S.W.

CALGARY, Alberta T2P 2X7

ATTN : Don Sawyer

cc : E. Larabie



File No. 17114

Date June 14th, 1979

Samples Soils

Certificate of
ASSAY of

LORING LABORATORIES LTD.

Page # 4

SAMPLE No.

PPM
U308

SOUTH BLIZZARD GRID

192	2.2
193	2.2
194	11.2
195	10.8
196	42.0
197	2.9
198	1.4
199	0.2
200	Nil
201	9.2
202	3.3
203	4.9
204	1.6
205	4.3
206	1.6
207	5.1
208	4.7
209	2.7
210	0.8
211	0.4
212	1.2
213	14.7
214	1.8
215	1.0
216	2.4
217	5.0
218	4.6
219	0.9
220	1.3
221	0.7
222	0.4
223	1.6

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Subjects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

E. M. Isaac

Licensed Assayer of British Columbia

No. NORCEN ENERGY RESOURCES LIMITED

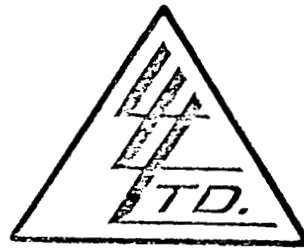
27th Floor

715 - 5th Avenue S.W.

CALGARY, Alberta T2P 2X7

ATTN : Don Sawyer

cc : E. Larabie



File No. 17114

Date June 14th, 1979

Samples Soils

Certificate of
ASSAY of

LORING LABORATORIES LTD.

Page # 5

SAMPLE No.

PPM
U308

SOUTH BLIZZARD GRID

224	0.7
225	3.1
226	2.9
227	1.3
228	0.9
229	2.2
230	1.1
231	0.7
232	38.0
233*	-
234	1.6
235	1.1
2163	1.6

Sample Missing

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Samples Retained one month.

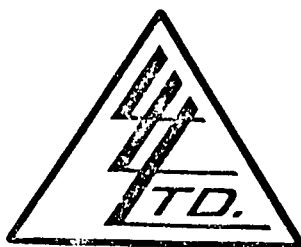
Pulps Retained one month
unless specific arrangements
made in advance.

E. Larabie

Licensed Assayer of British Columbia

To: NORCEN ENERGY RESOURCES LIMITED,
 27th Flr., 715 - 5th Avenue S.W.,
 Calgary, Alberta T2P 2X7
 ATTN: Terry Turner
 cc: R. Cann - Beaverdell

File No. 17155
 Date June 21, 1979
 Samples Soil Geochems

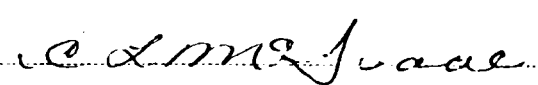


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 LORING LABORATORIES LTD.

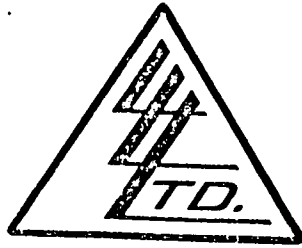
Page # 2

SAMPLE No.	PPM U308	
<u>"Soil Geochems"</u>		<u>SOUTH BLIZZARD GRID</u>
235 *	-	
236	5.9	
237	4.2	
238	4.2	
239	2.4	
240	7.0	
241	8.6	
242	56.9	
243	17.8	
244	1.5	
245	4.2	
246	2.4	
247	2.9	
248	5.1	
249	2.9	
250	3.5	
251	2.0	
252	1.5	
253	1.5	
254	2.0	
255	3.7	
256	2.0	
257	9.0	
258	3.7	
259	1.1	
260	1.5	
261	1.1	
262	2.0	<u>MORAIG GRID</u>
263	1.5	
* Sample Missing		
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES		

• ejects Retained one month.
 • Pulp Retained one month
 unless specific arrangements
 made in advance.


 Licensed Assayer of British Columbia

To: NORCEN ENERGY RESOURCES LIMITED,
 27th Flr., 715 - 5th Avenue S.W.,
 Calgary, Alberta T2P 2X7
 ATTN: Terry Turner



File No. 17155
 Date June 21, 1979
 Samples Soil Geochems

cc: R. Cann - Beaverdell

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 3

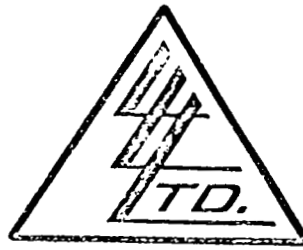
SAMPLE No.	PPM U308	
264	6.8	<u>MORAIG GRID</u>
265	2.9	
266	1.5	
267	4.2	
268	3.3	
269	1.1	
270	2.4	
271	4.2	

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

..... *Edmund Joade*
 Licensed Assayer of British Columbia

To: NORCEN ENERGY RESOURCES LIMITED
 27th Floor
 715 - 5th Avenue S.W.
 CALGARY, Alberta T2P 2X7
 ATTN : T. Turner



File No. 17275
 Date July 11th, 1979
 Samples Soils

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	PPM U308	MORAIG GRID
<u>SOIL SAMPLES "</u>		
272	0.2	
273	0.6	
274	0.6	
275	4.1	
276	3.8	
277	0.4	
278	2.6	
279	4.7	
280	3.2	
281	44.9	* organic
282	1.0	
283	0.2	
284	2.4	
285	1.4	
286	2.0	
287	1.4	
288	4.7	
289	5.3	
290	5.5	
291	1.0	
292	0.4	
293	1.6	
294	30.0	* organic
295	2.4	
296	0.6	
299	0.2	
300	0.4	
301	0.8	
302	1.0	
303	2.0	

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Subjects Retained one month.
 Pulps Retained one month
 less specific arrangements
 made in advance.

C. L. MacIsaac
 Licensed Assayer of British Columbia

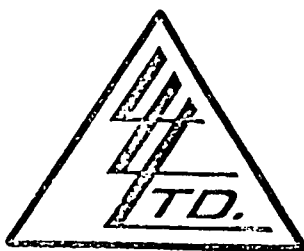
To: NORGEN ENERGY RESOURCES LIMITED

27th Floor

715 - 5th Avenue S.W.

CALGARY, Alberta T2P 2X7

ATTN : T. Turner



File No. 17275

Date July 11th, 1979

Samples Soils

Certificate of ASSAY OF LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM U308	
304	1.0	MORAIG GRID
305	1.0	
306	0.6	
307	1.8	
308	1.2	
309	0.8	
310	1.4	
311	0.4	
312	Nil	
313	1.0	
314	2.8	
315	0.8	
316	4.1	
317	3.2	
318	10.8 *	
319	1.8	
320	12.0 *	
321	3.0	
322	1.0	
323	0.6	
324	2.6	
325	1.2	
327	0.8	
328	1.0	
329	1.8	
330	1.0	
331	1.8	
332	3.4	
333	2.8	
334	2.4	
335	6.5	

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

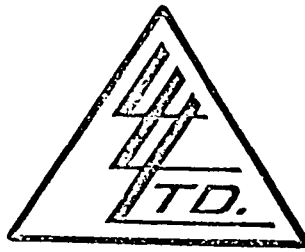
Samples Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Signature of E. L. Isaac

Licensed Assayer of British Columbia

To: NORCEN ENERGY RESOURCES LIMITED
 27th Floor
 715 - 5th Avenue S.W.
 CALGARY, Alberta T2P 2X7
 ATTN : T. Turner



File No. 17275
 Date July 11th, 1979
 Samples Soils

**Certificate of
 ASSAY of
 LORING LABORATORIES LTD.**

Page # 3

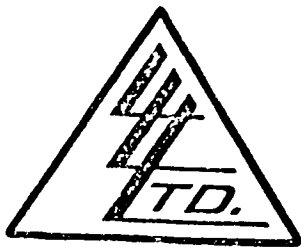
SAMPLE No.	PPM U308	
336	2.4	MORAIG GRID
337	3.2	
338	1.2	
339	1.4	
340	1.0	
341	2.8	
342	2.0	
343	2.6	
344	3.0	
345	1.4	
346	1.6	
347	2.0	
348	1.6	
349	3.4	
350	1.2	
351	1.6	
352	1.6	
353	4.4	
354	1.2	
355	1.6	
356	0.6	
357	1.0	
358	2.0	
359	1.4	
360	1.8	
361	1.6	
362	2.6	
364	1.0	
365	1.2	
366	9.4 *	Organic
367	5.4 *	Organic

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Objects Retained one month.
 Pulps Retained one month
 less specific arrangements
 made in advance.

Edm MacIsaac
 Licensed Assayer of British Columbia

To: NORCEN ENERGY RESOURCES LIMITED,
 27th Flr., 715 - 5th Avenue S.W.,
 Calgary, Alberta T2P 2X7
 ATTN: Terry Turner
 cc: R. Cann - Beaverdell



File No. 17155
 Date June 21, 1979
 Samples Waters

**Certificate of
 ASSAY of
 LORING LABORATORIES LTD.**

Page # 1

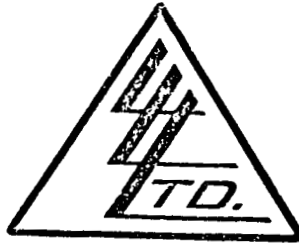
SAMPLE No.	PPB U308
<u>"Water Samples"</u> 79-BR-2 (W) 79-BR-3 (W)	0.3 1.0
79-BL-3 (W) 79-BL-4 (W)	1.0 1.0 <u>South Blizzard Grid</u>

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

James J. ...
 Licensed Assayer of British Columbia

To: NORCEN ENERGY RESOURCES LIMITED,
 27th Flr., 715 - 5th Avenue S.W.,
 Calgary, Alberta T2P 2X7
 ATTN: Terry Turner
 cc: R. Cann - Beaverdell



File No. 17155
 Date June 21, 1979
 Samples Silt Geochems

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	PPM U308
<p><u>"Silt Geochems"</u></p> <p>79-BL-2-(ST)</p> <p>79-BL-3-(ST)</p>	<p style="text-align: right;"><u>South Blizzard Grid</u></p> <p>1.5</p> <p>6.4</p>
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>	

Objects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.


 Licensed Assayer of British Columbia

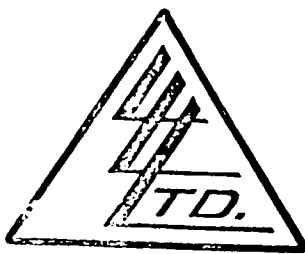
To: NORCEN ENERGY RESOURCES LIMITED

27th Floor

715 - 5th Avenue S.W.

CALGARY, Alberta T2P 2X7

ATTN : T. Turner



File No. 17275

Date July 11th, 1979

Samples Soils

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	PPM U308		
368	11.2	*	organic
369	2.0		
370	2.6		
371	4.0		
372	3.0		
373	2.0		
374	1.6		
375	2.4		
376	1.2		
377	1.4		
378	2.2		
379	2.6		
380	3.8		
381	2.2		
382	2.0		
383	1.2		
384	18.6	*	organic
385	4.8	*	organic
386	1.4		
387	1.2		
389	1.0		
390	2.0		
391	1.4		
392	2.0		
393	1.8		
394	3.2		
395	3.4		
396	1.0		
397	1.0		
398	1.0		
399	3.0		

MORAIG GRID

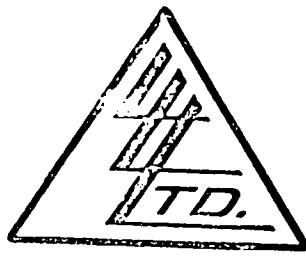
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Subjects Retained one month.
Pulps Retained one month
less specific arrangements
made in advance.

[Signature]

Licensed Assayer of British Columbia

To: NORGEN ENERGY RESOURCES LIMITED
 27th Floor
 715 - 5th Avenue S.W.
 CALGARY, Alberta T2P 2X7
 ATTN : T. Turner



File No. 17275
 Date July 11th, 1979
 Samples Soils

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 5

SAMPLE No.

PPM
 U308

MORAIG GRID

400	0.6
401	0.6
402	1.2
403	1.6
404	1.0
405	1.2
406	0.6
407	1.0
408	1.8
409	0.4
410	0.4
411	0.6
412	0.2
413	0.8
414	0.8
415	3.2
416	23.7 *
417	2.8
418	4.0
419	1.6
420	2.4
421	3.2
422	1.6
500	2.2
501	2.2
502	0.6
503	3.4
504	1.2
505	1.0
506	0.6
507	1.6

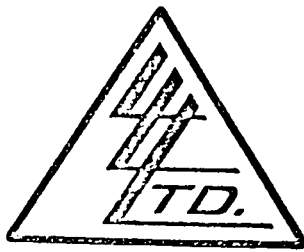
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Objects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]

Licensed Assayer of British Columbia

To: NORCEM ENERGY RESOURCES LIMITED
 27th Floor
 715 - 5th Avenue S.W.
 CALGARY, Alberta T2P 2X7
 ATTN : T. Turner



File No. 17275
 Date July 11th, 1979
 Samples Soils

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

Page # 6

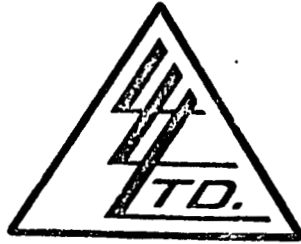
SAMPLE No.	PFM U308	
508	0.8	<u>MORAIG GRID</u>
509	1.2	
510	1.8	
511	0.6	
600	0.8	<u>SOUTH BLIZZARD GRID</u>
601	1.4	
602	2.0	
603	0.8	
604	0.8	
605	0.6	
606	0.6	
607	4.7	
608	5.9	
609	1.8	
610	0.6	
611	0.4	
612	0.8	
613	1.2	
614	1.4	
615	16.1	
616	1.0	
617	2.0	
618	8.4	
619	7.5	
620	1.6	
621	1.4	
622	8.2	* organic
623	6.3	
624	2.4	
625	3.2	
626	2.6	

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Objects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

W. M. Mac
 Licensed Assayer of British Columbia

To: NORCEN ENERGY RESOURCES LIMITED,
 27th Flr., 715 - 5th Avenue S.W.,
 Calgary, Alberta T2P 2X7
 ATTN: Terry Turner
 cc: R. Cann - Beaverdell



File No. 17114
 Date June 14, 1979
 Samples Water

**Certificate of
 ASSAY of
 LORING LABORATORIES LTD.**

Page # 7

SAMPLE No.	PPB U308
<u>"Water Samples"</u> 79-BR-1 (W)	0.3
79-BL-1 (W)	1.0
79-BL-2 (W)	0.3

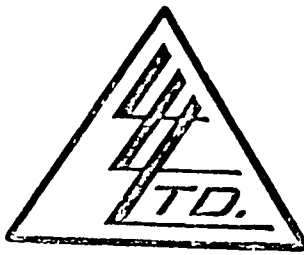
South Blizzard Grid

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Objects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

e L M J, aae
 Licensed Assayer of British Columbia

To: NORGEN ENERGY RESOURCES LIMITED
 27th Floor
 715 - 5th Avenue S.W.
 CALGARY, Alberta T2P 2X7
 ATTN : T. Turner



File No. 17275
 Date July 11th, 1979
 Samples Soils

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 7

SAMPLE No.	PPM U308	
627	4.3	SOUTH BLIZZARD GRID
628	2.2	
629	1.0	
630	0.6	
631	1.0	
632	4.3	
633	2.4	
634	3.6	
635	2.6	
636	1.0	
637	0.4	
638	0.6	
639	1.0	
640	0.6	
641	0.6	
642	0.6	
643	28.8	* organic
644	0.4	
645	0.2	
646	0.8	
647	0.4	
648	0.8	
649	0.8	
650	0.6	
651	1.2	
652	0.4	
	0.6	

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

Refracts Retained one month.
 Pulps Retained one month
 as specific arrangements
 in advance.

Edna MacIsaac

Licensed Assayer of British Columbia

APPENDIX 2

DRILL LOGS

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-7

COLLAR: 2040.30N, 114.80 CLAIM NAME: Blizzard STARTED: August 26, 1979

ELEVATION: 1305.94 BEARING: --- COMPLETED: August 26, 1979

DIP: 90° ULTIMATE DEPTH: 12.19m/40 ft.

LOGGED BY: R. Cann PROPOSED DEPTH: ---

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>Pleistocene Overburden</u>	0					
	- grey-brown sandy till - cuttings from basalt boulders						
	<u>Basement</u>	1.5/5	All counts background only				
	1.5/5 - 3.7/12 - soft, weathered granodiorite - cuttings are yellow-brown						
	3.7/12 - 12.2/40 - soft, pale grey and red- grey granitic - no coarse cuttings - few grains of quartz and feldspar		(3000 to 3300 cpm)				
	END OF HOLE	12.2/40					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-8

COLLAR: 2041.57N, 179.75W CLAIM NAME: Blizzard STARTED: August 26, 1979

ELEVATION: 1300.90 BEARING: — COMPLETED: August 26, 1979

DIP: 90° ULTIMATE DEPTH: 18.29/60 ft.

LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	Basement (?) 1.5/5 - 4.3/14 - yellow-brown, medium grained granitic sand - approx. 10% clay - probably weathered base- ment	1.5/5	All counts background only (3600 cpm)				
	4.3/14 - 18.3/60 - soft granite - cuttings pale grey to red-grey - minor biotite - no coarse cuttings						
	END OF HOLE	18.3/60					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-9

COLLAR: 1919.54N, 180.85E CLAIM NAME: Blizzard STARTED: August 26, 1979

ELEVATION: 1293.28 BEARING: _____ COMPLETED: August 26, 1979

DIP: 90° ULTIMATE DEPTH: 12.19m/40'

LOGGED BY: R. Cann PROPOSED DEPTH: _____

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	<u>Pleistocene overburden</u> - pale yellow-brown sand - abundant cuttings of basalt and granitic boulders - wood fragments	1.5/5	All counts background				
	<u>Basement</u> - leucocratic granodiorite - cutting 30% quartz and 70% feldspar - no visible alteration - local biotite	4.6/15	(2500 to 3000 cpm)				
	END OF HOLE	12.2/40					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-10
 COLLAR: 1921.37N, 117.33W CLAIM NAME: Blizzard STARTED: August 26, 1979
 ELEVATION: 1299.12 BEARING: --- COMPLETED: August 26, 1979
 DIP: 90° ULTIMATE DEPTH: 18.29m/60 ft.
 LOGGED BY: R. Cann PROPOSED DEPTH: ---

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>Pleistocene overburden</u> - bouldery sand - boulders of basalt and granite	0					
	<u>Basement</u> - medium to coarse grained granodiorite - minor muscovite - local chloritization towards base of hole - rock is soft to about 15.2/50	3.0/10	All counts background (2600 to 2800 cpm)				
	END OF HOLE	18.3m/60'					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-11

COLLAR: 1919.16N, 58.42E CLAIM NAME: Blizzard STARTED: August 27, 1979

ELEVATION: 1300.12 BEARING: _____ COMPLETED: August 27, 1979

DIP: 90° ULTIMATE DEPTH: 12.19m/40ft.

LOGGED BY: R. Cann PROPOSED DEPTH: _____

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	Basement	1.5/5					
	- coarse-grained, leucocratic - muscovite granodiorite - approx. 50% quartz, 50% - white feldspar - local hematitic zones - eq. 7.0/23, 9.1/30 - cuttings pale grey to - brown						
	END OF HOLE	12.2/40					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-12

COLLAR: 1920.44N, 2.09W CLAIM NAME: Blizzard STARTED: August 27, 1979

ELEVATION: 1304.82 BEARING: --- COMPLETED: August 27, 1979

DIP: 90° ULTIMATE DEPTH: 12.19m/40 ft.

LOGGED BY: R. Cann PROPOSED DEPTH: ---

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>Pleistocene Overburden</u> - grey-brown sand and gravel - mostly granitic pebbles - minor biotite	0					
	<u>Basement</u> - leucocratic granodiorite - cuttings pale brown becoming pale grey-white with depth - muscovite common - rocks is clayey at top - hematitic at 9.1/30 - mafic minerals slightly chloritized	1.5/5					
	END OF HOLE	12.2/40					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-22
 COLLAR: 1745.09N, 275.40W CLAIM NAME: Blizzard STARTED: August 28, 1979
 ELEVATION: 1293.58 BEARING: --- COMPLETED: August 28, 1979
 DIP: 90° ULTIMATE DEPTH: 12.19 m /40ft.
 LOGGED BY: R. Cann PROPOSED DEPTH: ---

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	<u>Pleistocene Overburden</u>	1.5/5					
	1.5/5 - 2.1/7 - yellow-brown bouldery sand						
	2.1/7 - 3.7/12 - rusty-brown granitic sand - boulders of granite and basalt		All bags background				
	<u>Basement</u>	3.7/12	(3100)				
	- chloritized granodiorite - med. grained - approx. 15% chloritized mafics, 15% clear quartz 70% white feldspar - biotite common towards bottom of hole - cuttings light-grey in colour						
	END OF HOLE	12.2/40					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-23
 COLLAR 1746.81N, 157.06 CLAIM NAME: Blizzard STARTED: August 28, 1979
 ELEVATION: 1291.84 BEARING: _____ COMPLETED: August 28, 1979
 DIP: 90° ULTIMATE DEPTH: 12.19m/40ft.
 LOGGED BY: R. Cann PROPOSED DEPTH: _____

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	<u>pleistocene Overburden</u> - grey-brown clayey sand-changing downward to yellow-brown sand - cuttings of granite and basalt boulders	1.5/5	All bags 2000-2500 (background = 2000)				
	<u>Basement</u> 3.7/12 - 5.2/17 - weathered granodiorite - cuttings pale brown - local FeO on fractures - abundant clay (5.2/17-12.2/40) - weakly chloritic granodiorite - cuttings pale brown-grey - medium grained - approx. 5% biotite	3.7/12					
	END OF HOLE	12.2/40					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-24

COLLAR: 1571.75N, 311.14W CLAIM NAME: Blizzard STARTED: August 28, 1979

ELEVATION: 1292.73 BEARING: — COMPLETED: August 28, 1979

DIP: 90° ULTIMATE DEPTH: 12.19m/40ft.

LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>Pleistocene Overburden</u>	0					
	- grey-brown till - boulders of basalt and granite						
	<u>Basement</u>	1.8/6					
	1.8/6 - 6.4/21 - weathered granodiorite - med. to coarse grained - cuttings pale brown		All bags 2000-2500				
	6.4/21 - 12.2/40 - weakly chloritized granodiorite - 5 to 15% mafics - cuttings pale grey to pale brown		(Background =2200)				
	END OF HOLE	12.2/40					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-25
 COLLAR: 1570.18N, 364.89 CLAIM NAME: Blizzard STARTED: August 28, 1979
 ELEVATION: 1295.89 BEARING: -- COMPLETED: August 28, 1979
 DIP: 90° ULTIMATE DEPTH: 10.67m/35 ft.
 LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>pleistocene Overburden</u> - light brown and grey-brown bouldery sand - boulders of basalt and granite	0					
	<u>Basement</u> - med. grained granodiorite - well chloritized with chloritization increasing with depth - 5 to 10% mafics - cuttings light grey in colour	3.4/11	All bags background (2700)				
	END OF HOLE	10.7/35					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-57
 COLLAR: 1760N, 180W CLAIM NAME: Blizzard STARTED: September 9, 1979
 ELEVATION: 1293 BEARING: — COMPLETED: September 9, 1979
 DIP: 90° ULTIMATE DEPTH: 9.14m/30ft.
 LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	<u>Pleistocene Overburden</u> - grey-brown to yellow-brown fine sand and gravel - mostly granitic cuttings and grains - wood fragments	1.5/5	All bags background (3300)				
	<u>Basement</u> - medium grained, chloritized granodiorite - 50% quartz, 5% mafics, 45% feldspar - cuttings grey to pale green - intensely chloritized 7.3/24 - 7.6/25	4.6/15					
	END OF HOLE	9.1/30					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 2 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-58

COLLAR: 1748.35N, 120.19W CLAIM NAME: Blizzard STARTED: September 10, 1979

ELEVATION: 1291.46 BEARING: — COMPLETED: September 10, 1979

DIP: 90° ULTIMATE DEPTH: 9.14m/30 ft.

LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>Pleistocene Overburden</u> - dark brown sandy bouldery clay - mostly granodiorite boulders, 10% basalt boulders - wood fragments	0	All bags 1500 - 2000 (Background				
	<u>Basement</u> 1.5/5 - 3.0/10 - light brown weathered basement - angular sand size grains - 10% clay, 30% quartz grains, 60% feldspar, 10% granodiorite 3.0/10 - 9.1/30 - medium grained chloritized granodiorite	1.5/5	=1500)				

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

HOLE NUMBER: 79-P-58

SHEET NUMBER: 2 of 2

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		U ³⁰⁸ CHEMICAL
					INTERVAL (meters)	NUMBER	
	5 - 10% chloritic mafics, 40% quartz, 50% feldspar cuttings pale grey to grey-green						
	END OF HOLE	9.1/30					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-59

COLLAR: 1564.13N, 46.75W CLAIM NAME: Blizzard STARTED: September 10, 1979

ELEVATION: 1288.00 BEARING: --- COMPLETED: September 10, 1979

DIP: 90° ULTIMATE DEPTH: 9.14m/30ft.

LOGGED BY: R. Cann PROPOSED DEPTH: ---

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U3O8 CHEMICAL
	No cuttings	0					
	<u>pleistocene Overburden</u> - grey, bouldery sandy clay - boulders of granodiorite and basalt	3.0/10	All bags background				
	<u>Basement</u> - chloritized granodiorite - cuttings mainly quartz and chloritic clay - cuttings pale green	5.2/17	(1200)				
	END OF HOLE	9.1/30					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-60

COLLAR: 1602.14N, 51.60W CLAIM NAME: Blizzard STARTED: September 10, 1979

ELEVATION: 1287.99 BEARING: --- COMPLETED: September 10, 1979

DIP: 90° ULTIMATE DEPTH: 9.14m/30 Ft.

LOGGED BY: R. Cann PROPOSED DEPTH: ---

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	<u>Pleistocene Overburden</u> 1.5/5 - 3.0/10 - dark grey clay and organic material	1.5/5	Background		1.52		
	3.0/10 - 5.5/18 - dark grey-brown sandy clay - 30% medium sand, 70% clay		(1000)				
			1000		1.52		
	<u>Basement</u> - slightly chloritized granodiorite	5.5/18	2000		1.52		
	- 5% mafics, 15% quartz, 80% feldspar						
	- cuttings pale grey		1200		1.52		
	- chloritic and hematitic						
	6.1/20-6.7/22		1000		1.52		
	END OF HOLE	9.1/30					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-61
 COLLAR: 1653, 16N, 65, 30W CLAIM NAME: Blizzard STARTED: September 10, 1979
 ELEVATION: 1288.08 BEARING: _____ COMPLETED: September 10, 1979
 DIP: 90° ULTIMATE DEPTH: 8.53m/28ft.
 LOGGED BY: R. Cann PROPOSED DEPTH: _____

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	<u>pleistocene Overburden</u> 1.5/5 - 3.0/10 - dark grey clay and organic material	1.5/5	2000		1.52		
	3.0/10 - 3.7/12 - dark brown clayey gravel and organic material		(Background =1600)				
	<u>Basement</u> - medium grained chloritic granodiorite	3.7/12	2500		1.52		
	- 10% mafics, 25% clear and smokey quartz, 65% feldspar		2700				
	- cuttings green-grey - locally hematitic e.g. 8.2/27		2500				
	- END OF HOLE	8.5/28	2300		0.91		

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 3 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-62

COLLAR: 1740.17N, 0.40W CLAIM NAME: Blizzard STARTED: September 10, 1979

ELEVATION: 1289.75 BEARING: --- COMPLETED: September 10, 1979

Background = 2000 DIP: 90° ULTIMATE DEPTH: 21.33m/70ft.

LOGGED BY: R. Cann PROPOSED DEPTH: ---

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	<u>Miocene Sediments (?)</u> 1.5/5 - 4.6/15 - pale yellow-brown fine sand - grains, quartz, feldspar, muscovite, aplite (?) - 10% grey-brown silt and clay - trace autunite visible under U.V. lamp	1.5/5	10K		1.52	9168	.020
			15K		1.52	9169	.032
	4.6/15 - 6.1/20 - brown-grey conglomerate - coarse cuttings of mainly aplite, lesser medium-grained leucocratic granodiorite - muscovite common		25K T ₂ 1500 T ₁ 140		1.52	9170	.077

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

HOLE NUMBER: 79-P-62

SHEET NUMBER: 2 of 3

DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
				INTERVAL (meters)	NUMBER	U3O8 CHEMICAL
<ul style="list-style-type: none"> - trace autunite visible under U.V. lamp, however, there does not appear to be sufficient autunite to explain the high radiometric response - 70% coarse cuttings, 30% fine sand 						
<p>Basement</p> <p>6.1/20 - 9.1/30</p> <ul style="list-style-type: none"> - medium-grained leucocratic muscovite granodiorite and aplite - granodiorite 60% feldspar, 35% quartz, 3% muscovite - bright red to red-brown equant mineral common - grains less than 0.5 mm in diameter 		14K		1.52	9171	.038
		7500		1.52	9172	.020
<p>9.1/30 - 16.8/55</p> <ul style="list-style-type: none"> - slightly chloritized, medium - grained granodiorite - 10% biotite, 10% chlorite 40% quartz, 40% feldspar 		4500		1.52	9173	.005
		17K		1.52	9174	.037
		4500		1.52	9175	.007
		5000		1.52		

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

HOLE NUMBER: 79-P-62

SHEET NUMBER: 3 of 3

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U3O8 CHEMICAL
	16.8/55 - 18.3/60 - very soft - no coarse cuttings - cuttings pale-green		3000		1.52		
			2500		1.52		
	18.3/60 - 21.3/70 - description as for 6.1/20- 9.1/20 - muscovite books common		6500		1.52		
			4000		1.52		
	END OF HOLE	21.3/70					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 2 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-63
 COLLAR: 1740.10N, 30.71W CLAIM NAME: Blizzard STARTED: September 10, 1979
 ELEVATION: 1290.47 BEARING: — COMPLETED: September 10, 1979
 Background: 2000 cpm DIP: 90° ULTIMATE DEPTH: 12.19m/40ft.
 LOGGED BY: R. Cann PROPOSED DEPTH: —

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>Pleistocene Overburden</u> - grey sandy till - basalt boulders common	0	2500		1.52		
	<u>Miocene Sediments</u> 1.5/5 - 3.0/10 - pale yellow-grey, coarse pebbly sand - grains of quartz and feldspar and pebbles of aplite and leucocratic granodiorite - muscovite flakes	1.5/5	10K		1.52	9176	.003
			3500		1.52	9177	.002
	3.0/10 - 6.1/20 - med.-grained, well-sorted yellow-brown sand - 15% yellow-brown clay		3000		1.52	9178	.002

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard . HOLE NUMBER: 79-P-63 . SHEET NUMBER: 2 of 2

DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		URANIUM CHEMICAL
			INTERVAL (meters)	NUMBER	
- grains quartz and feldspar					
Basement	3000		1.52		
- very soft - no coarse cuttings	2500		1.52		
- 10% biotite flakes	2500		1.52		
- cuttings pale brown-grey	2800		1.52		
END OF HOLE	12.2/40				

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-64

COLLAR: 1742.35N, 61.09W CLAIM NAME: Blizzard STARTED: September 10, 1979

ELEVATION: 1291.57 BEARING: --- COMPLETED: September 10, 1979

DIP: 90° ULTIMATE DEPTH: 9.14m/30ft.

LOGGED BY: R. Cann PROPOSED DEPTH: ---

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>Pleistocene Overburden</u> - grey bouldery sand - boulders of basalt and granodiorite	0 1.5/5					
	<u>Miocene (?) Sediment</u> - brown-yellow clayey sand and gravel - 30% brown clay, 25% quartz, 45% feldspar grains - rounded pebbles of leucocratic granodiorite	2.4/8 3.0/10	All bags (2000)		1.52	9194	.001
	<u>Basement</u> - leucocratic granodiorite - 70% white feldspar, 30% quartz, fine muscovite flakes - cuttings pale brown, creamy pale grey	3.4/11					
	END OF HOLE	9.14/30					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-65

COLLAR: 1742.15N, 91.09W CLAIM NAME: Blizzard STARTED: September 10, 1979

ELEVATION: 1292.03 BEARING: _____ COMPLETED: September 10, 1979

DIP: 90° ULTIMATE DEPTH: 9.1m/30 ft

LOGGED BY: R. Cann PROPOSED DEPTH: _____

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>pleistocene Overburden</u> - grey-brown clay and gravel - largely pebbles of granodiorite - minor biotite	0					
	<u>Basement</u> - medium grained granodiorite - 5% mafics, 30% quartz, 50% feldspar, 15% chloritized mafics - locally strongly chloritic e.g. 5.5/18-5.9/19 - cuttings pale brown-grey	1.5/5	All bags below background (1800)				
	END OF HOLE	9.1/30					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-66
 COLLAR: 1737.51N, 63.66E CLAIM NAME: Blizzard STARTED: September 11, 1979
 ELEVATION: 1289.05 BEARING: --- COMPLETED: September 11, 1979
 DIP: 90° ULTIMATE DEPTH: 9.14m/30ft.
 LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	Pleistocene Overburden - grey-brown sandy clay	1.5/5	All bags				
	Basement - leucocratic granodiorite - 2% biotite, 30% quartz, 65% feldspar - cuttings pale brown-grey	3.0/10	background (2500)				
	END OF HOLE	9.1/30					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 2 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-67
 COLLAR: 1735.63N, 29.87E CLAIM NAME: Blizzard STARTED: September 11, 1979
 ELEVATION: 1288.92 BEARING: --- COMPLETED: September 11, 1979
 DIP: 90° ULTIMATE DEPTH: 12.29m/40ft.
 Background=3600 LOGGED BY: R. Cann PROPOSED DEPTH: ---

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	Miocene Sediment(?)	0					
	- possibly coarse conglomerate		3000		1.52	9179	.001
	- cuttings mainly angular grains of coarse-grained granodiorite and 20% grey brown sand and clay		4000		1.52	9180	.003
	- granodiorite is 20% smokey quartz, 65% feldspar 15% biotite				1.52	9181	.006
	- some rusty staining on grains		5500				
	- minor autunite 3.0/10 - 4.6/15						

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

HOLE NUMBER: 79-P-67

SHEET NUMBER: 2 of 2

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	Basement	4.6/15					
	4.6/15 - 7.6/25 - medium-grained, biotite granodiorite - cuttings pale brown-grey - equant grains of bright red-brown, translucent mineral, glassy lustre, grains less than 0.5 mm in diameter		3000		1.52	9182	.004
	- 0.5% autunite(?) *4.6/15- 6.1/20 trace autunite 6.1/20 - 7.6/25		3500		1.52	9183	.002
	7.6/25 - 12.2/40 - medium-grained leuco- cratic muscovite grano- diorite - cuttings cream in colour - trace autunite visible under U.V. lamp		4000		1.52	9184	.010
	*Fluoresces pale yellow and bright green		4500		1.52	9185	.008
	END OF HOLE	12.2/40	4000		1.52	9186	.007

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-70

COLLAR: 1093.80N, 303.64W CLAIM NAME: Blizzard STARTED: September 11, 1979

ELEVATION: 1289.55 BEARING: — COMPLETED: September 11, 1979

DIP: 90° ULTIMATE DEPTH: 16.76m/55ft.

LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	<u>Pleistocene Overburden</u> 1.5/5 - 3.0/10 - brown sandy clay - large granodiorite boulder 3.0/10 - 7.6/25 - grey gravelly clay 7.6/25 - 10.7/35 - grey sand and gravel - grains of granodiorite, basalt, feldspar, quartz	1.5/5	All bags background (2000 - 2500)				
	<u>Basement</u> - medium grained, chloritic granodiorite - 25% mafics, 15% quartz, 25% feldspar - cuttings green-grey	10.7/35					
	END OF HOLE	16.8/55					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-71

COLLAR: 1920.44N, 30.78W CLAIM NAME: Sharon fr. STARTED: September 11, 1979

ELEVATION: 1306.21 BEARING: COMPLETED: September 11, 1979

DIP: 90° ULTIMATE DEPTH: 12.19m/40 ft.

LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	No cuttings	0					
	<u>Pleistocene Overburden</u> - dark brown-grey sand and granitic chips	1.5/5	All bags background				
	<u>Basement</u> 3.7/12 - 6.1/20 - weathered basement - 30% leucocratic grano- diorite chips, 70% pale yellow-brown sand	3.7/12	(1800)				
	6.1/20 - 12.2/40 - chloritic leucocratic granodiorite - 40% quartz, 60% feldspar - cuttings pale green						
	END OF HOLE	12.2/40					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 2 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-77
 COLLAR: 1836.56N, 121.96W CLAIM NAME: Blizzard STARTED: September 12, 1979
 ELEVATION: 1299.56 BEARING: — COMPLETED: September 17, 1979
 DIP: 90 ULTIMATE DEPTH: 21.33m/70ft.
 LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	UJ08 CHEMICAL
	<u>Pleistocene Overburden</u>	0					
	0 - 1.5/5 - yellow-brown boulder sand and gravel - basalt boulders, wood fragments		All bags background				
	1.5/5 - 6.1/20 - grey-brown granitic sand and gravel - 90% angular pebbles of weathered biotite granodiorite, 10% fine sand		(2200)				
	6.1/20 - 7.6/25 - boulder of leucocratic coarse-grained granodiorite - cuttings cream-brown						

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

COMPANY: Blizzard . HOLE NUMBER: 79-P-77 . SHEET NUMBER: 2 of 2

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	7.6/25 - 9.1/30 - grey clayey sand and gravel - granitic and basalt chips						
	<u>Basement</u> 9.1/30 - 10.7/35 - soft pale-green chloritic granite	9.1/30					
	10.7/35 - 21.3/70 - coarse grained biotite granodiorite and muscovite biotite granodiorite - 15% quartz biotite, 10% chlorite, 70% feldspar - chlorite more abundant 18.3/60 - 21.3/70 - cuttings brown-grey						
	END OF HOLE	21.3/70					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-79
 COLLAR: 1833.93N, 60.60W CLAIM NAME: Blizzard STARTED: September 12, 1979
 ELEVATION: 1299.16 BEARING: COMPLETED: September 12, 1979
 DIP: 90 ULTIMATE DEPTH: 9.14m/30 ft.
 LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	Basement	0					
	0 - 1.8/6 - quartz, feldspar, muscovite pegmatite						
	1.8/6-4.6/15 - soft, altered granite - yellow-brown granitic sand		All bags background				
	4.6/15-9.1/30 - quartz feldspar, muscovite pegmatite - books of muscovite - cuttings pale grey-white		(2500)				
	END OF HOLE	9.1/30					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-78
 COLLAR: 1834.39N, 37.79W CLAIM NAME: Blizzard STARTED: September 12, 1979
 ELEVATION: 1300.01 BEARING: — COMPLETED: September 12, 1979
 DIP: 90 ULTIMATE DEPTH: 6.10m/20ft.
 LOGGED BY: R. Cann PROPOSED DEPTH: —

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>Basement</u>	0					
	- aplite - contains small (less than 0.5 mm equant brown-red grains) - cuttings creamy grey-white		All bags 2200 (Background =2000)				
	END OF HOLE	6.1/20					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard
 SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-P-80
 COLLAR: 1932.44N, 34.87W CLAIM NAME: Blizzard STARTED: September 12, 1979
 ELEVATION: 1298.42 BEARING: — COMPLETED: September 12, 1979
 DIP: 90 ULTIMATE DEPTH: 9.14m/30ft.
 LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	<u>Pleistocene Overburden</u> - grey-brown, clayey, bouldery fine sand	0	2500				
	- boulders of basalt and granodiorite	1.5/5					
	<u>Basement</u> 2.1/7 - 4.6/15 - weathered bedrock - yellow-brown granitic sand	2.1/7	All bags 2000				
	4.6/15 - 9.1/30 - chloritic leucocratic granodiorite - 2-3% mafics, 20% quartz 80% feldspar - cuttings pale green, pale brown		(Background =1700)				
	END OF HOLE	9.1/30					

NORCEN ENERGY RESOURCES LIMITED
DIAMOND DRILL RECORD - URANIUM

PROPERTY: Blizzard

SHEET NUMBER: 1 of 1 N.T.S. NUMBER: 82E/10 HOLE NUMBER: 79-1-81

COLLAR: 1829.67N, 0.45W CLAIM NAME: Blizzard STARTED: September 13, 1979

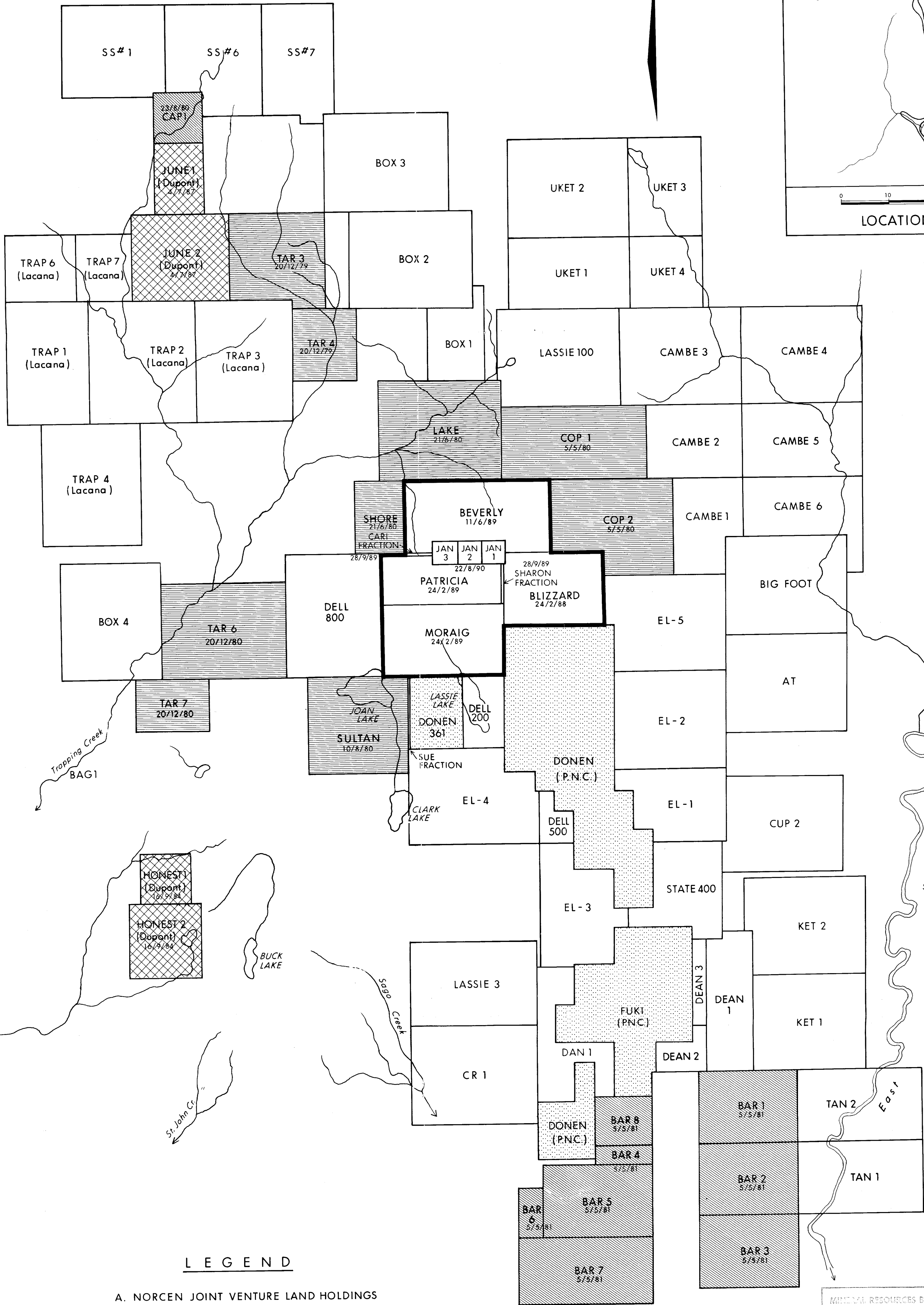
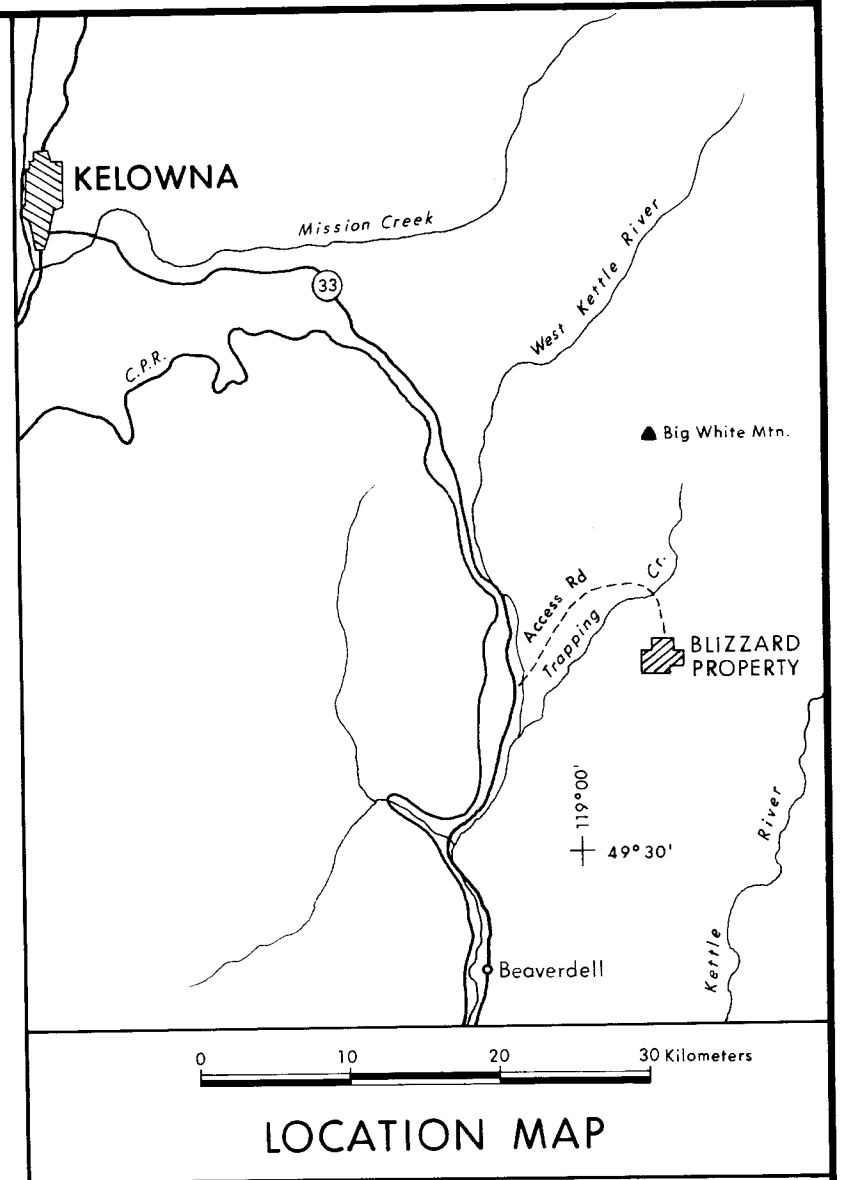
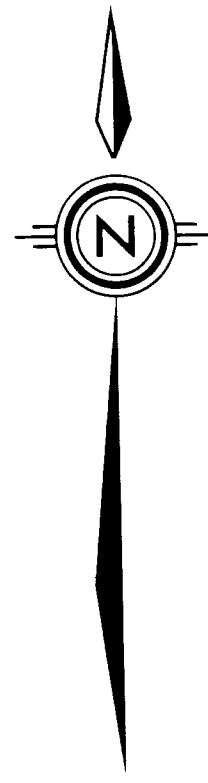
ELEVATION: 1297.50 BEARING: — COMPLETED: September 13, 1979

DIP: 90 ULTIMATE DEPTH: 15.24m/50ft.

LOGGED BY: R. Cann PROPOSED DEPTH:

LITHO-LOG	DESCRIPTION	DEPTH (meters/ft)	TV-1A BAG COUNT cpm	% CORE RECOVERY	ASSAY		
					INTERVAL (meters)	NUMBER	U308 CHEMICAL
	no cuttings	0					
	<u>Pleistocene Overburden</u> - grey sand and gravel - mostly granitic chips, a few of basalt	1.5/5	All bags				
	<u>Basement</u> 6.1/20 - 13.4/44 - weathered granitic - pale brown and yellow sand and clay - grains 75% quartz, 25% feldspar	6.1/20	2000 (background =1800)				
	13.44-15.2/50 - soft chloritic basement - no coarse cuttings						
	END OF HOLE						

119°00' 49°45'
 NTS 82E/11E | NTS 82E/10W



LEGEND

A. NORCEN JOINT VENTURE LAND HOLDINGS

1. SPECIAL PROJECT AREA
- BLIZZARD PROPERTY
 - OTHER CLAIMS

2. GENERAL EXPLORATION PROJECT AREA

- DUPONT OPTION
- OTHER CLAIMS

B. STAKING BY OTHER COMPANIES

- NISSHO-IWAI CANADA LTD.
- OTHERS

21/5/80 ASSESSMENT DATE

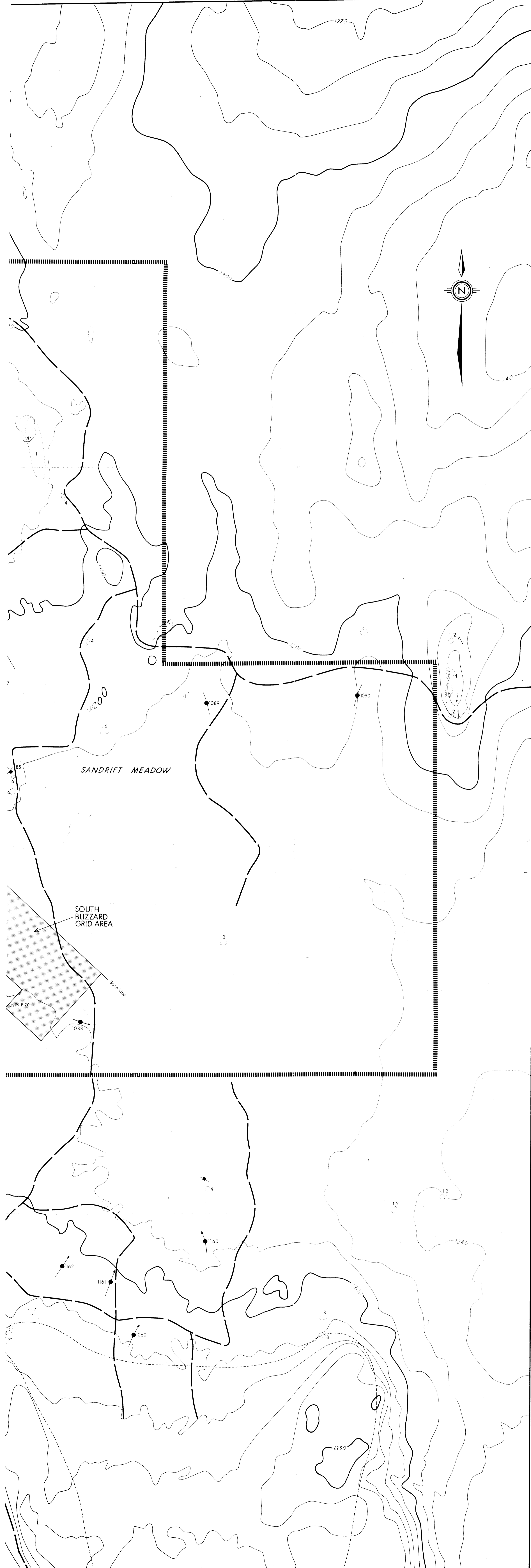
MINERAL RESOURCES BRANCH
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 of 3

Norcen Energy Resources Limited
 CAMPBELL CHIBOUGAMAU MINES LTD.
 E & B EXPLORATIONS LTD.
 ONTARIO HYDRO-URANIUM JOINT VENTURE

**LAND STATUS
 BEAVERDELL AREA
 BRITISH COLUMBIA**

0 1000 2000 3000 Meters

FEBRUARY, 1980



GEOLOGICAL COLUMN

CENOZOIC	PLEISTOCENE	-	Gravel and Sand
	TERTIARY	8	Olivine basalt
		7	Loosely Consolidated Sediments (Sand, Silt, Clay, Gravel)
MESOZOIC	CRETACEOUS	6	Pegmatite
		5	Amphibolite
		4	Mafic Dykes
		3	Felsic Dykes
		2	Nelson Plutonic Rocks - Hornblende Granite Granodiorite, locally foliated
	1	Valhalla Plutonic Rocks - Porphyritic Biotite Granite - Granodiorite	

* Note: Relative chronological order of Cretaceous rocks unknown

SYMBOLS

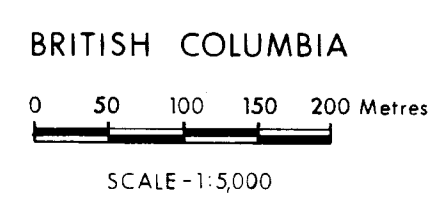
- DRAINAGE
- INTERMITTENT STREAM
- ACCESS ROAD
- OUTLINE OF BASALT (APPROX)
- G.S.C. SAMPLE LOCATION (STREAM WATER SAMPLE)
- G.S.C. SAMPLE LOCATION (LAKE WATER SAMPLE)
- OUTCROP
- INFERRED GEOLOGICAL CONTACT
- LINEAMENTS
- BLIZZARD PROPERTY BOUNDARY
- DRILL HOLE LOCATION
- FOLIATION ATTITUDE
- JOINT ATTITUDE
- FAULT

- Δ 20 PERCUSSION DRILL HOLE - 1979 (not on map 9)
- R-1 ROTARY DRILL HOLE - 1977
- AREAS COVERED BY 1979 RADON AND URANIUM IN SOIL SURVEYS.

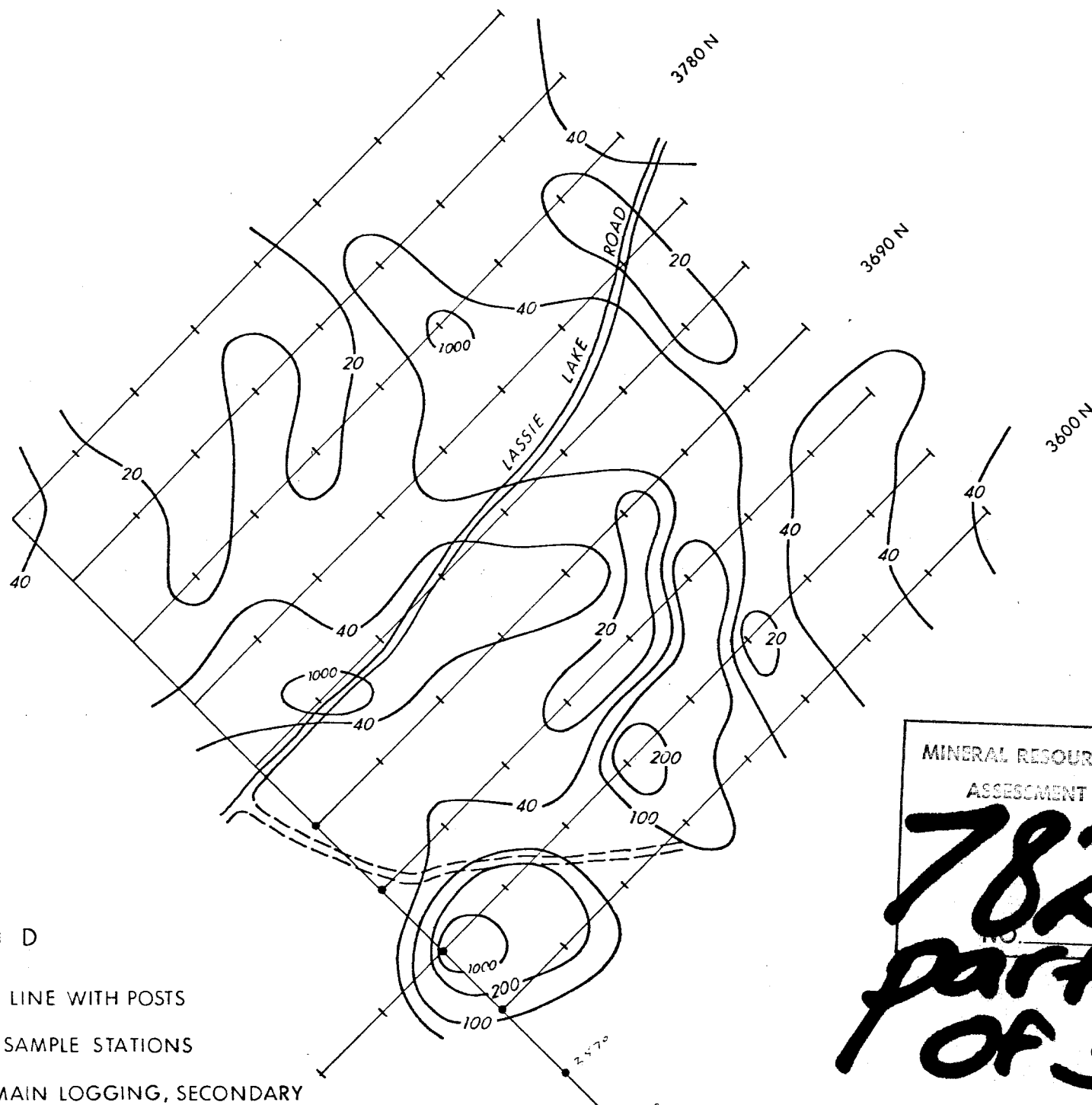
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Norcen CAMPBELL CHIBOUGAMAU MINES LTD.
Energy Resources Limited E & B EXPLORATIONS LTD.
ONTARIO HYDRO-URANIUM JOINT VENTURE

(LACANA MINING CORPORATION OPTION)
GEOLOGICAL COMPILATION
BLIZZARD PROPERTY
BRITISH COLUMBIA



MAP 2



L E G E N D

- SURVEYED LINE WITH POSTS
- +—+—+— FLAGGED SAMPLE STATIONS
- ==== ROADS; MAIN LOGGING, SECONDARY

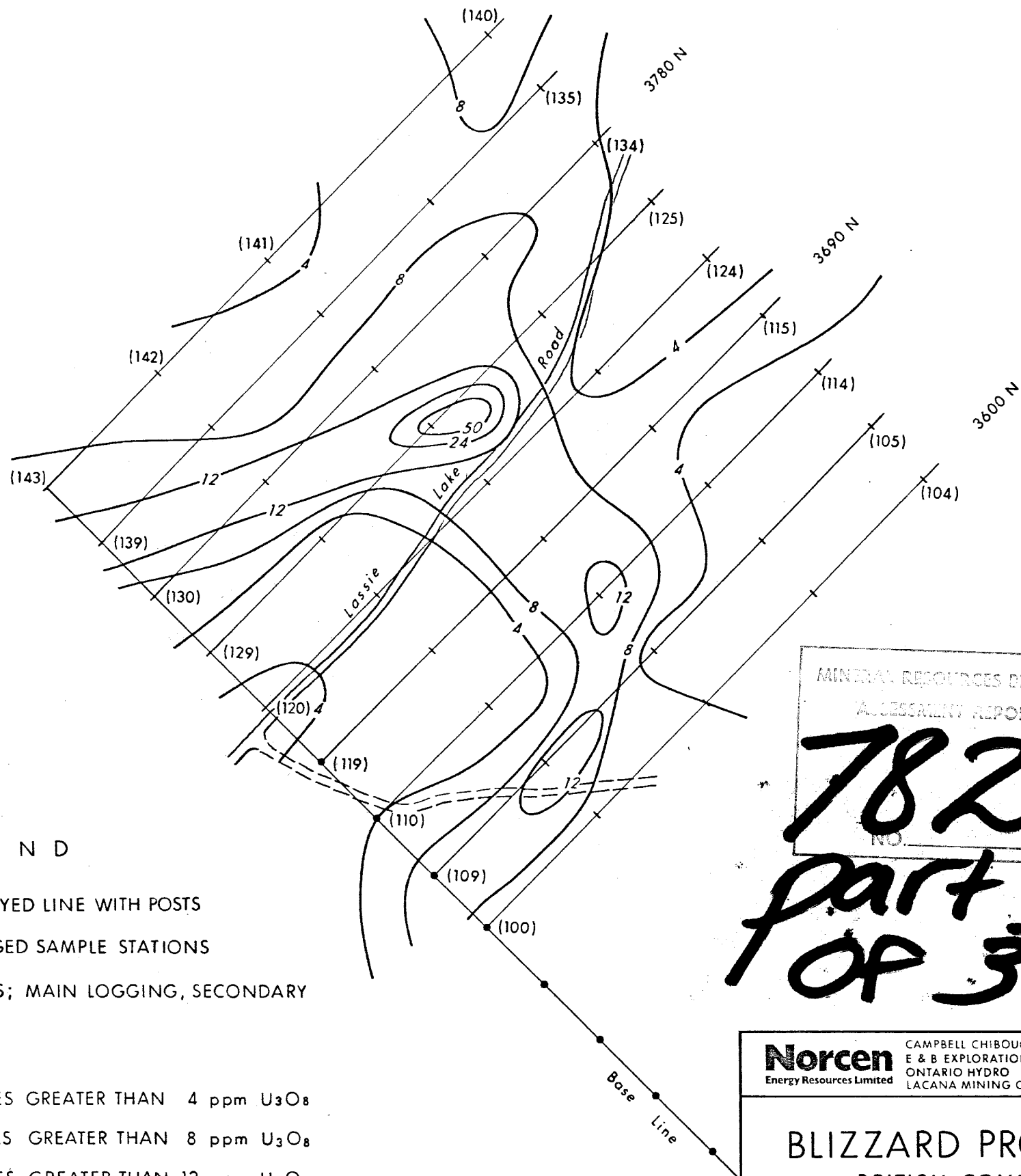
- VALUES GREATER THAN 20 cpm
- VALUES GREATER THAN 40 cpm
- VALUES GREATER THAN 100 cpm
- VALUES GREATER THAN 200 cpm
- VALUES GREATER THAN 1000 cpm

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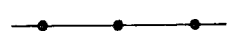
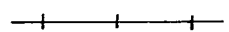
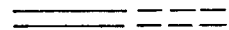
Map 3

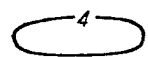
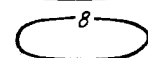
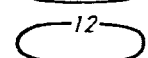
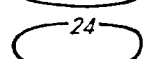
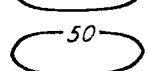
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ONTARIO HYDRO
LACANA MINING CORPORATION

BLIZZARD PROPERTY
BRITISH COLUMBIA
RADON IN SOILS
NORTH BLIZZARD GRID
SCALE 1:2000
 100 m
Nov, 1979



L E G E N D

-  SURVEYED LINE WITH POSTS
-  FLAGGED SAMPLE STATIONS
-  ROADS; MAIN LOGGING, SECONDARY

-  VALUES GREATER THAN 4 ppm U_3O_8
-  VALUES GREATER THAN 8 ppm U_3O_8
-  VALUES GREATER THAN 12 ppm U_3O_8
-  VALUES GREATER THAN 24 ppm U_3O_8
-  VALUES GREATER THAN 50 ppm U_3O_8

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Map 4

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Energy Resources Limited

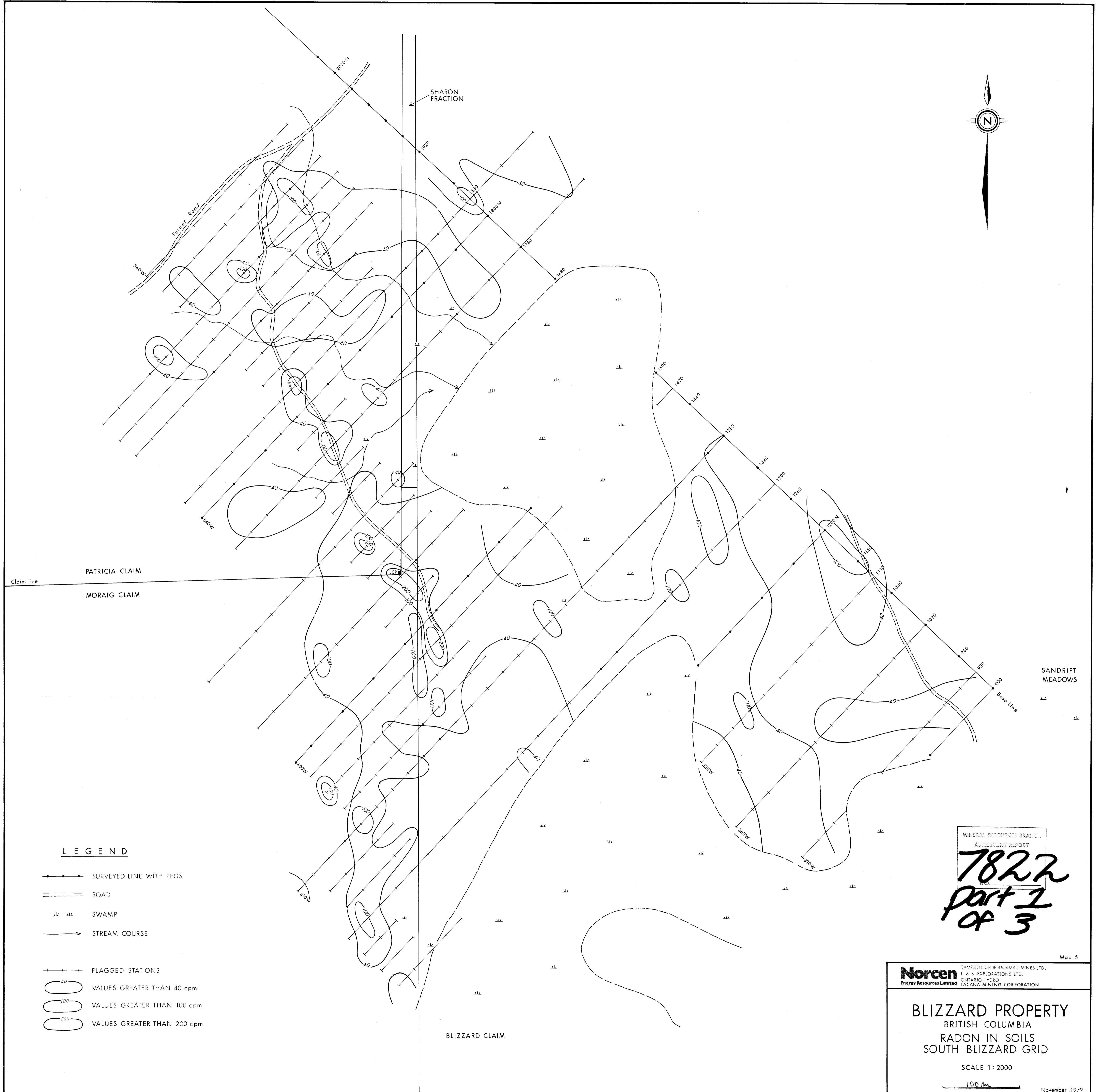
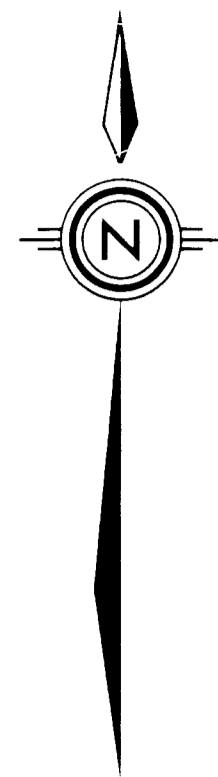
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ONTARIO HYDRO
LACANA MINING CORPORATION

BLIZZARD PROPERTY
BRITISH COLUMBIA
URANIUM IN SOILS
NORTH BLIZZARD GRID

SCALE 1:2000

100 m

Nov, 1979



LEGEND

- SURVEYED LINE WITH PEGS
- ROAD
- SWAMP
- STREAM COURSE
- FLAGGED STATIONS
- VALUES GREATER THAN 40 cpm
- VALUES GREATER THAN 100 cpm
- VALUES GREATER THAN 200 cpm

MINERAL RESOURCES BRANCH
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Map 5

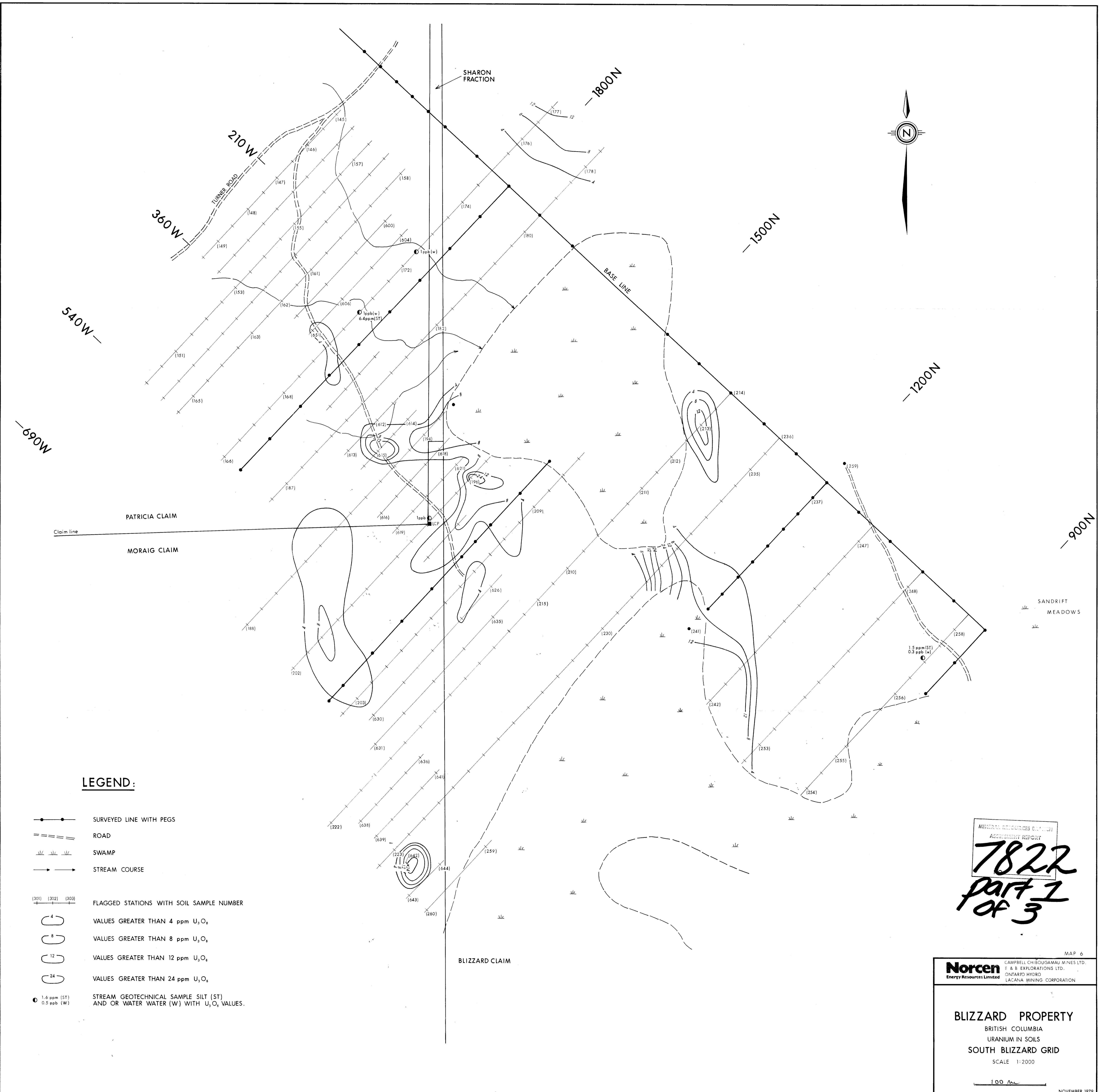
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BLIZZARD PROPERTY
BRITISH COLUMBIA
RADON IN SOILS
SOUTH BLIZZARD GRID


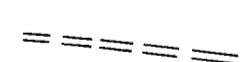

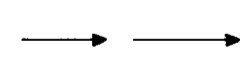
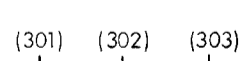
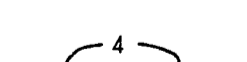
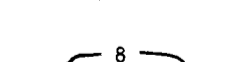


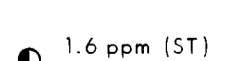
SCALE 1: 2000

100 M

November, 1979



LEGEND:

-  SURVEYED LINE WITH PEGS
-  ROAD
-  SWAMP
-  STREAM COURSE
-  FLAGGED STATIONS WITH SOIL SAMPLE NUMBER
-  VALUES GREATER THAN 4 ppm U₃O₈
-  VALUES GREATER THAN 8 ppm U₃O₈
-  VALUES GREATER THAN 12 ppm U₃O₈
-  VALUES GREATER THAN 24 ppm U₃O₈
-  STREAM GEOTECHNICAL SAMPLE SILT (ST) AND OR WATER WATER (W) WITH U₃O₈ VALUES.

MINERAL RESOURCES EVALUATION
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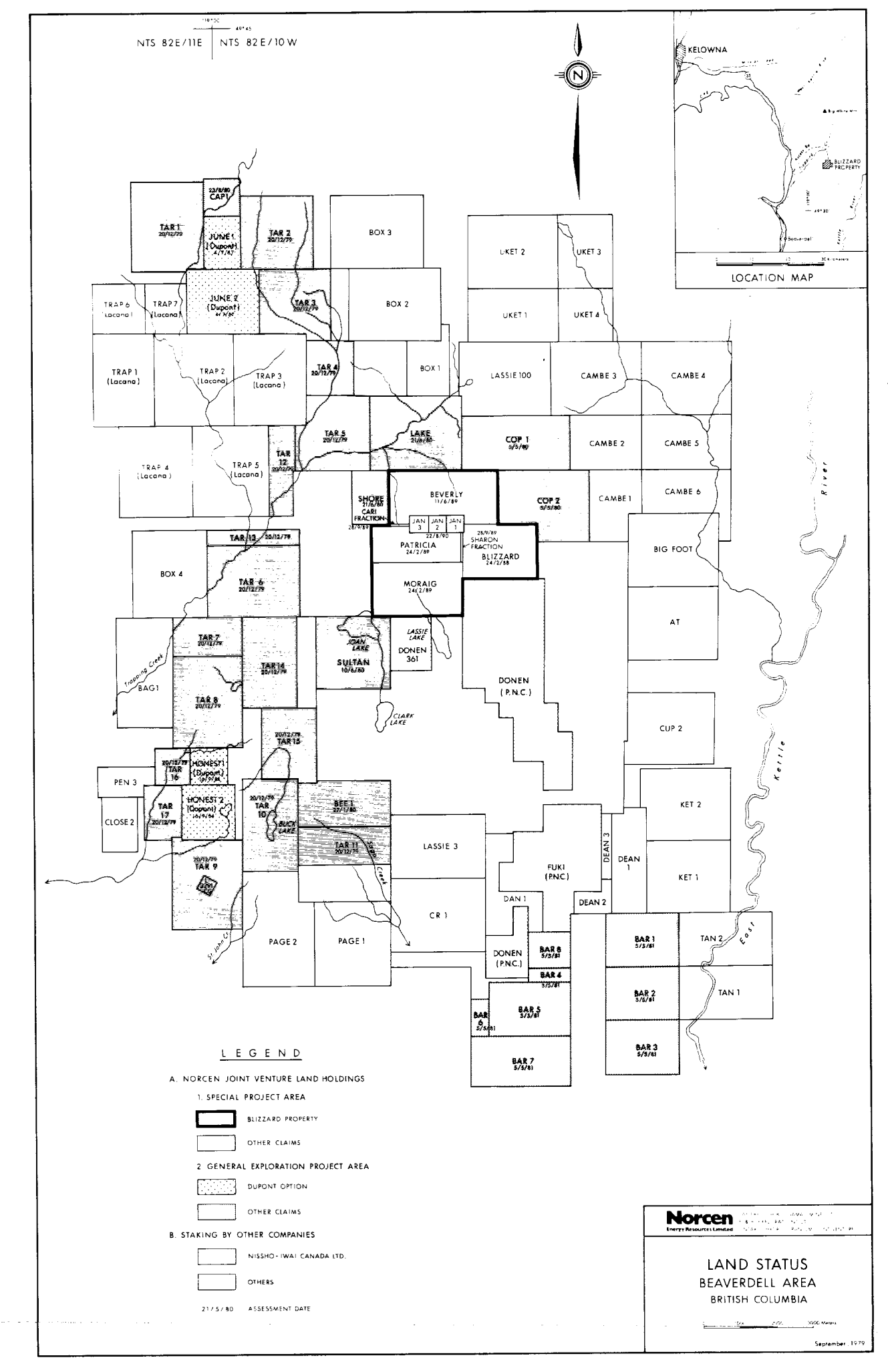
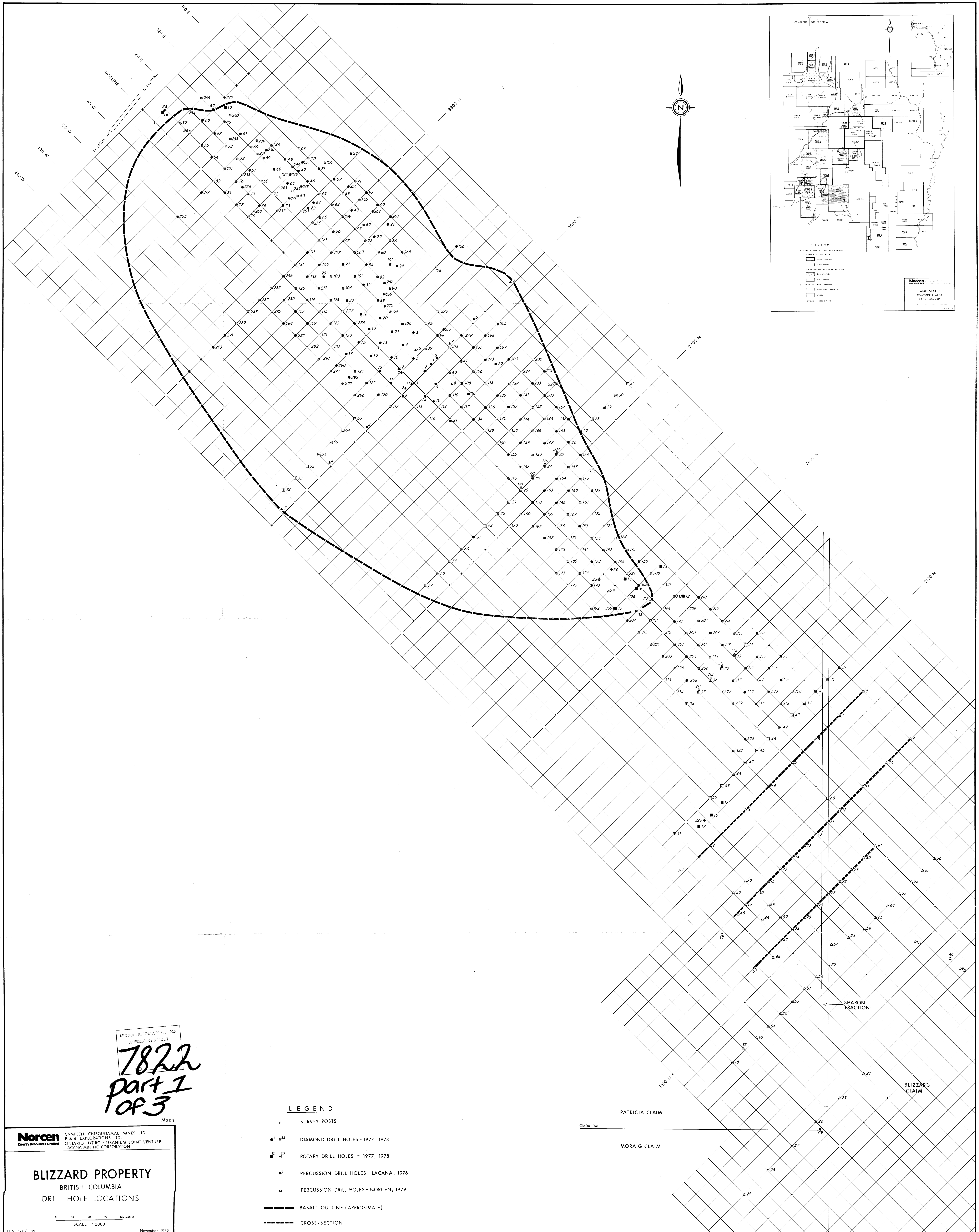
MAP 6

Norcen Energy Resources Limited
CAMPBELL CHIBOUGAMAU MINES LTD.
E & B EXPLORATIONS LTD.
ONTARIO HYDRO
LACANA MINING CORPORATION

BLIZZARD PROPERTY
BRITISH COLUMBIA
URANIUM IN SOILS
SOUTH BLIZZARD GRID
SCALE 1:2000

100 M

NOVEMBER, 1979



MINERAL RESOURCES BRANCH
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- LEGEND**
- SURVEY POSTS
 - DIAMOND DRILL HOLES - 1977, 1978
 - ROTARY DRILL HOLES - 1977, 1978
 - ▲ PERCUSSION DRILL HOLES - LACANA, 1976
 - △ PERCUSSION DRILL HOLES - NORCEN, 1979
 - BASALT OUTLINE (APPROXIMATE)
 - CROSS-SECTION

Norcen Energy Resources Limited
 CAMPBELL CHIBOUGAMAU MINES LTD.
 E & B EXPLORATIONS LTD.
 ONTARIO HYDRO - URANIUM JOINT VENTURE
 LACANA MINING CORPORATION

BLIZZARD PROPERTY
 BRITISH COLUMBIA
 DRILL HOLE LOCATIONS

0 30 60 90 120 METERS
 SCALE 1:2000

Map 7
 November, 1979