

REPORT on the
LASSIE LAKE URANIUM PROPERTY
BEAVERDELL AREA, BRITISH COLUMBIA
for: Peregrine Petroleum Ltd.
by: J. J. C. Winurst, P. Eng.

82E/10

677400

June 12, 1970

BACON & CROWHURST LTD.
CONSULTING ENGINEERS

June 12, 1976.

Mr. C.J. McFeely, President,
Peregrine Petroleum Ltd.,
420 Three Calgary Place,
355 - 4th Avenue S.W.,
Calgary, Alta.
T2P 0J1

Dear Mr. McFeely:

I am pleased to submit herewith my report and recommendations concerning your Lassie Lake uranium property situated about 14 air miles northeast of Beaverdell, B.C., in the Beaverdell Range of mountains.

The general geological setting is similar to that discussed in my previous report to you, dated May 7th, 1976, concerning your Haynes Lake uranium property situated approximately 16 miles northwesterly.

Uranium occurrences, known to have been discovered by the Power Reactor & Nuclear Fuel Development Corporation, Japan, on adjoining ground, show that the chances of finding similar mineralization in possible extensions of Tertiary sandstone-conglomerate beds on your property are good.

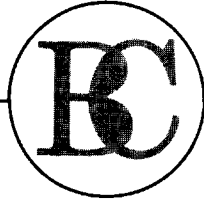
It is recommended, therefore, that the same exploration approach, as that proposed for the Haynes Lake property, be taken, namely, preliminary geological mapping, geophysical and/or geochemical surveys of the 'Track Etch' type, to be followed by diamond drilling.

Respectfully submitted,

BACON & CROWHURST LTD.

J. J. Crowhurst, P. Eng.

JJC/ic



BACON & CROWHURST LTD.

1720-1055 West Hastings Street
Vancouver 1, B.C.

REPORT

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LASSIE LAKE URANIUM PROPERTY
BEAVERDELL AREA, BRITISH COLUMBIA

for

PEREGRINE PETROLEUM LTD.

by

J.J. CROWHURST, B.A.Sc., P.Eng.

Vancouver, B.C.

June 12, 1976

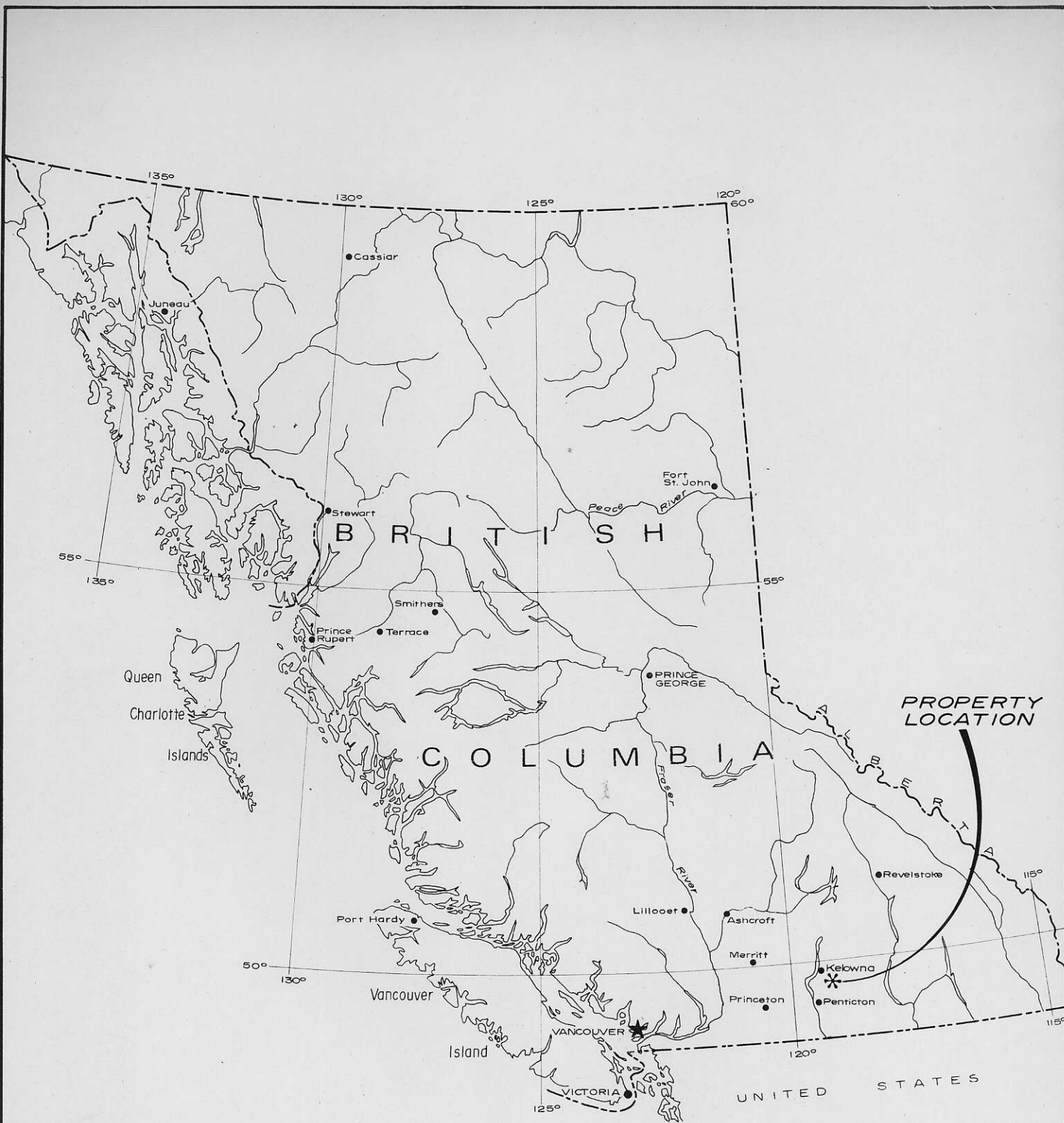


FIGURE 1

PEREGRINE PETROLEUM LTD.
 LOCATION MAP

LASSIE LAKE AREA
 nr. Beaverdell, B.C.



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LOCATION, ACCESS AND TOPOGRAPHY

The Peregrine Petroleum Ltd. Lassie Lake property is located at approximately 49°36'N, 118°55'W, about 14 air miles northeast of Beaverdell, B.C. (see Figure 1) in the Beaverdell Range of mountains.

Roads passable by four-wheel-drive vehicle traverse the property and connect it to the main north-south section of Highway 33 just north of Beaverdell.

Elevations range from about 3900 to 4500 feet above sea level. The weather is moderate; from two to four feet of settled snow can be expected during winter.

Field work can usually commence in mid to late May.

PROPERTY

The Lassie Lake property is composed of the following:

	<u>Units</u>
State No. 100	16
200	9
300	20
400	20
Dell No. 100	20
200	20
300	15
400	16
500	4
600	20
700	20
800	20
CL No. 1	<u>20</u>
<u>Total</u>	<u>220</u>

HISTORY

(a) GENERAL

A study of the assessment reports obtained recently from the Department of Mines and Petroleum Resources, Victoria, B.C., for the years 1971, 1972 and 1973 concerning the Fuki, Donen, Carol and Cup Lake groups of claims, discloses that substantial amounts of uranium mineralization had been outlined by diamond drilling.

These groups were acquired by Nissho-Iwai Canada Ltd. in 1968 and 1969. Peregrine Petroleum Ltd. has acquired a block consisting of 220 claim units immediately adjoining to the west. The 1971, 1972 and 1973 work was performed by Power Reactor & Nuclear Fuel Development Corporation, Japan.

(b) 1971 REPORT - Fuki & Donen

The "Conclusions & Recommendations" as shown on Page 20, include the following:

"Some eleven (11) diamond drill holes were completed this season (1971) near the Fuki outcrop. The result of the drill holes indicates that eight (8) drill holes cut uranium mineralization ranging from 3 feet to 10 feet in thickness and their grade varies from 0.01 to 0.15% eu.

The extension of the uranium bearing sediments is approximately 600 feet wide and elongates at least 0.3 miles in length along the channel near the Fuki outcrop.

However the full extent of the ore bodies is not yet known and extension of the channel to the north may contain large potential ore reserves on the northern part of the Fuki outcrop.

At the western part of the Collier outcrop, some six (6) diamond drill holes were done. As a result of these drill holes, it was shown that the uraniferous beds extend at least 1000 feet southwest of the Collier outcrop.

Four (4) holes of the above mentioned six (6) cut the uraniferous sediments ranging from 3 feet to 6 feet in thickness and their grades vary from 0.01 to 0.06% eu. Additional extension will be expected to the south from the geological point of view."

Further diamond drilling was recommended.

The Collier outcrop referred to above is situated immediately west of the Donen claims that form part of what is referred to as the Donen group.

(c) 1972 REPORT - Donen Group

16 diamond drill holes totalling 3431 feet were completed along three east-west lines separated 2700 feet apart.

The "Summary" states in part:

"The work has established that Tertiary fluvial sediments extend under the Cup Lake Basalt Formation, occupying a channel basin of irregular shape. Radioactive anomalies have been logged in the fluvial sediments in some of the holes which showed 600 to 5,100 cpm."

It was noted later in the report (Page 8) that
"background values ranged from 20 cpm to 40 cpm in radiometric probing".

Again (Page 10)

"Assays in seven holes are estimated from 0.02 to 0.30% U_3O_8 ."

Further work was recommended.

(d) 1973 REPORT - Donen Group

Twenty diamond drill holes, or 4240 feet in total, were completed.

As a result of part of this drilling on the Carol section of the group, uranium mineralization was recognized over an area 1200 feet by 2500 feet.

"The grade is estimated maximum 0.70% eU_3O_8 " (Page 8), but most of the holes ranged from 0.02% eU_3O_8 to 0.09% eU_3O_8 .

Background ranged from 40 cpm to 65 cpm in radiometric probing.

The thickness of the radiometric anomalous area, as outlined by probing, was 3 feet to 6 feet.

Further work was recommended.

CERTIFICATE

I, John James Crowhurst, DO HEREBY CERTIFY THAT

1. I am a practising mining engineer with Bacon & Crowhurst Ltd.,
1720 - 1055 West Hastings Street, Vancouver, B.C.
2. I am a graduate of the University of British Columbia and have been granted
the degree of Bachelor of Applied Science.
3. I have been practising my profession as a mining engineer for 35 years.
4. I am a member of the Association of Professional Engineers of British
Columbia, Registration No. 2120.
5. I was the General Manager of the Newmont Mining Corporation
Dawn Uranium property, situated on the Spokane Indian Reserve, Ford,
Washington, during 1958 and 1959.
6. I nor any member of my firm have directly or indirectly received or expect
to receive any interest direct or indirect in the property or securities of
Peregrine Petroleum Ltd.

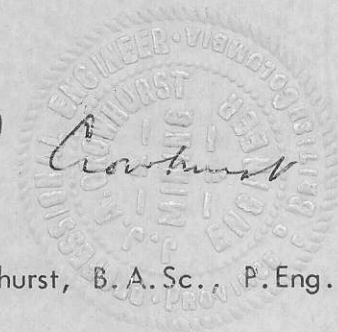
J.J. Crowhurst, B.A.Sc., P.Eng.

Vancouver, Canada,
June 12, 1976

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J.J. Crowhurst, B.A.Sc., P.Eng.

Vancouver, Canada,
May 7, 1976