

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ KETTLE (HYDRAULIC LAKE) (TYEE), PB

OBJECT LOCATED - Area of 1976 drilling.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Mining Division <i>Division minière</i>	Osoyoos	District <i>District</i>		
County <i>Comté</i>		Township or Parish <i>Canton ou paroisse</i>		
Lot <i>Lot</i>		Concession or Range <i>Concession ou rang</i>		
Sec <i>Sect.</i>	Tp. <i>Ct.</i>		R. <i>R.</i>	

Lat. 49°47'45" Long. 119°11'40"
Lat. Long.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Mineralization occurs in a palaeochannel which strikes NW-SE and overlies a fault-exposed basement of Cretaceous Early Tertiary Valhalla granitic intrusive at the southern edge of the Shuswap Metamorphic Complex. The channel filling is conglomerate and interbedded sandstone and carbonaceous material. The palaeochannel varies in width from 100 m to 200 m and is mineralized for a length of approximately 1,000 m, although ore grade material is confined to a length of 500 m to 600 m. Average thickness of the deposit is 50 m.

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The Kettle and PB properties are located at Hydraulic Lake, 14 miles southeast of Kelowna, covering the head of Hydraulic Creek, Grouse Creek, and Browne Lake areas in the Vernon, Osoyoos, and Greenwood Mining Divisions. The Kettle property surrounds a group of PB claims (PB 180-214, 217-259) owned by Nissho-Iwai Canada Ltd. (Power Reactor and Nuclear Fuel Development Corporation, operator).

Tyee Lake Resources Ltd. in March 1976 optioned 320 units, including the Kettle 1 to 23 claims (196 units) and the Uranus claim group, from Reco Management Enterprises Ltd. Tyee Lake began a program of mapping and drilling. Significant uranium mineralization was discovered in hole 76-3 located near the north boundary of Lot 499 S and just south of the PB claims. By respective option agreements of June 1, 1976 and July 8, 1976 the company acquired Lot 945 S from George Thompson, of West Vancouver, and Lot 499 S from D. Wardlow of Kelowna. Work by Tyee Lake included 1,619 metres of diamond drilling in 29 holes on Kettle 6, 7, 9, 11, 12, 17, 18.

By an agreement dated Sept. 3, 1976 Tyee optioned a 60% interest in the property to Noranda Exploration Company, Limited and Kerr Addison Mines Limited for joint venture exploration and development, under Noranda management. Work by Noranda in 1976-77 included an induced potential survey, about 4,500' of drilling in 6 core holes and 17 rotary holes in the initial drill program and a further 2,423 m in 39 diamond drill holes and 4,522 m in rotary holes. The option agreement was abandoned in September 1977 and the property reverted to Tyee Lake Resources Ltd.

Placer Development Limited optioned a 55% interest in the property in March 1978. Work during the year included 360 m of diamond drilling in 9 holes on Kettle 6 and 12. Placer carried out metallurgical tests in 1979. The option agreement was terminated on July 31, 1979. Work on the adjacent PB group in 1976-78 included 196 m of diamond drilling in 4 holes on PB 181, 182, 185 and claim and drill hole surveys.

Reserves on Tyee ground have been estimated at 2.1 million metric tonnes averaging 0.031% U to give 650 tonnes U. The northern extension of the deposit, on the PB claims, has not

p.t.o.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)
 HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

been completely assessed; estimates are in excess of one million tonnes with a grade similar to the Haynes property (0.01% U) (CIM Special Volume 33, pp. 317, 319).

The British Columbia government on February 27, 1980 announced a seven-year moratorium on uranium mining and exploration in the province.

The company name (Tye Lake) was changed in March 1980 to New Tye Resources Ltd., and in August 1984 to Alban Explorations Ltd.

REFERENCES/BIBLIOGRAPHIE

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1976, pp. 30, 33; 1977, pp. 37, 38; 1978, pp. 42, 43.

Mineral Policy Sector; Corporation Files: "Tye Lake Resources Ltd."

Geology in British Columbia; BCDM: 1976, p. 13; 1977-1981, p. 12.

Uranium Deposits of Canada; CIM Special Volume 33, pp. 311-319, 1986.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 15-1961, Kettle River (West Half), (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

#Tye Lake Resources Ltd., Diamond Drill Hole Map, Kettle 12 claim, Sc. 1":275 ft - in Northern Miner, Oct. 28, 1976, p. 11.

Geological setting of the Tye basal type uranium occurrence, Fig. 3, CIM Special Volume 33, p. 312.

Map 8511 G, Kelowna, (Aeromag.), Sc. 1":1 mile.

*Map 82 E/14, Kelowna, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	12-86						