

MAIN PRODUCT: NICKEL PRINC. PROD.: (MAJOR COMMODITY IN AN UNEXPL. DEPOS.)		PROV. OR TERR.: PROV. OU TERR.: BRITISH COLUMBIA	N.T.S. AREA: Prop./Prop. 104B/10 S.N.R.C : Depos./Gîte 104B/10	REF.: NI 001 REF.: NI 001	MINSYS NO: NO MINSYS: 508792- 0
NAME OF DEPOSIT: E & L, NOM DU GÎTE :		SNIPPAKER CREEK		Age of Host Rocks/Âge des roches hôtes: LOWER JURASSIC	
Object located: showing Objet localisé:                      Uncertainty : 200 (meters/mètres) Facteur d'incertitude:		Geological province/Province géologique: CORDILLERAN OREGEN			
Latitude/Latitude: 56°34'35                      Longitude/Longitude: 130°41'15 UTM zone/Région UTM: 9    UTM North./UTM Nord: 6271294    UTM East./UTM Est: 396328		HISTORY OF EXPLORATION AND DEVELOPMENT HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR			
Mining division/Division minière: LIARD District/District: CASSIAR		Work on deposit :                      GEOPHYSICAL,                      GEOCHEMICAL Travail sur le gîte:			
OWNER OR OPERATOR / PROPRIÉTAIRE OU EXPLOITANT Name: CONSOLID SILVER STANDARD MS L Nom :		Workings Type : UNDERGROUND                      Workings Size : SMALL Type d'exploit.:                      Dimension de l'exploit.:			
Type: OWNER                      Year of information : 1976 Type:                      Année de l'information:		The property is located at the 6,100 foot elevation on the north side of the head of Snippaker Creek about 8 miles south of the Iskut River. The E & L Nos. 1 & 2 claims were located on the showing in 1958 for the Bik Syndicate; the syndicate was financed by Silver Standard Mines Limited, McIntyre-Porcupine Mines, Limited, and Kerr Addison Mines Limited. Surface prospecting and sampling was carried out during the year. No further work was reported until the 1965 field season when the E & L Nos. 3 to 28 claims were located to protect the original two that cover the showings. On the upper part of the showings 400 feet of trenching was done and 7 x-ray holes were diamond-drilled totalling 352 feet. The E & L claim Nos. 29 to 40 inclusive were located in 1966; the property then consisted of a single, approximately rectangular block of 50 claims. Work during the year included geochemical and magnetic surveys, trenching, and 1,248 feet of diamond drilling in 5 holes. Work to that date indicated a potential of 2,730 tons per vertical foot averaging 0.80% Ni and 0.62% Cu (NM 4/12/69). Measured and indicated reserves to a depth of 700 feet were estimated at 1,911,000 tons at 0.80% nickel and 0.62% copper. The Bik Syndicate partners in February 1967 incorporated a new operating company Nickel Mountain Mines Ltd. Silver Standard Mines Limited held a 69% interest, the remainder being held by Kerr Addison Mines Limited and McIntyre Porcupine Mines Limited. Sumitomo Metal Mining Canada Ltd optioned the property in 1970. An exploration adit was driven some 1,250 feet vertically below the surface outcrop and 850 feet below the lowest intersection obtained in previous drilling. During 1970-71 the adit was driven to a length of 1,478 feet. Underground diamond drilling totalling 7,414 feet in 11 holes failed to intersect ore grade mineralization. A magnetic survey was carried out over 7 line-miles. Sumitomo relinquished its option in 1971. Nickel Mountain Mines Ltd was dissolved in January 1976 and the property was transferred to a syndicate in which Silver Standard held a 93.5% interest; the latter company name was changed in 1984 to Consolidated Silver Standard Mines Limited. In 1986 the property was re-examined in terms of its platinum potential and in 1987 an airborne magnetometer and EM survey was carried out. In 1990, Lexington Resources Inc. optioned the property.			
DESCRIPTION OF DEPOSIT / DESCRIPTION DU GISEMENT					
Type/Type	Host Rocks/Roches hôtes				
PORPHYRY BRECCIA/ALTERATION PIPE	MAFIC INTRUSIVES				
<p>-----</p> <p>In the vicinity of the showings the rocks are Lower Jurassic volcanic breccias, cherty tuffs, bedded cherts, and thin-bedded shaly argillites, intruded by medium to coarse-grained gabbro, part of which is mineralized with sulphides. The mineralization occurs within two distinct areas of gabbro, which are probably connected and are almost completely surrounded by sedimentary chert beds. These two areas, termed the Northwest and Southeast zones, are separated by a steep draw which appears to be underlain by a fault striking slightly east of north. Diamond drilling has indicated the mineralized bodies may have a pipe-like form. The gabbro east of the main showings has a distinct northeast foliation imparted by diabase dykes, local epidote and carbonate alteration, and a strong vertical joint pattern. Most of the gabbro outcrop of the Northwest zone is mineralized; the zone forms a</p> <p>-----</p>					
Discovery : Year 1958    Uncertainty: EXACT                      Method : UNCERTAIN/UNKNOWN Découverte: Année    Incertitude:                      Méthode:					
Associated minerals or products and status/Minéraux ou produits associés et statut					
CU   AG   PT 2    2    2					
Source/Source: / /                      -REGULAR Printed/imprimée le: 16 May/Mai 1991		© Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa, Canada © Secteur de la politique minérale, Énergie, Mines et Ressources, Ottawa, Canada			

HISTORY OF PRODUCTION / HISTORIQUE DE LA PRODUCTION

First Year : Last year :  
 Première année: Dernière année:

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REFERENCES / BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia; 1965, p. 43; 1966, pp. 32-34+; 1967, p. 30; 1968, p. 41.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1966, Rept. IR 66-26; 1969, Rept. IR 69-2.

Mineral Policy Sector; Corporations Files: "Silver Standard Mines Limited"; "Nickel Mountain Mines Ltd."

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 61++; 1971, p. 36.

MAP REFERENCES / RÉFÉRENCES CARTOGRAPHIQUES

#Geology of the E & L, Sc. 1": 750 feet, Figure 4, Report of Minister of Mines, B.C., 1966, p. 32.

Map 9-1957, Stikine River Area, (Geol.), Sc. 1": 4 miles.

\*Map 104 B/10, Snippaker Creek, (Topo.), Sc. 1: 50,000.

REMARKS / REMARQUES

PROVINCIAL LINK: BCI 104B-6

Last rev./Dernières m-à-j:  
 By/Par:

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/ /

05/07/1991  
 YJL

MAIN PRODUCT: NICKEL PRINC. PROD.: (MAJOR COMMODITY IN AN UNEXPL. DEPOS.)	PROV. OR TERR.: BRITISH COLUMBIA PROV. OU TERR.: BRITISH COLUMBIA	N.T.S. AREA: Prop./Prop. 104B/10 S.N.R.C : Depos./Gite 104B/10	REF.: NI 001 RÉF.: NI 001	MINSYS NO: 508792- 0 NO MINSYS: 508792- 0
NAME OF DEPOSIT: E & L, NOM DU GITE : SNIPPAKER CREEK				
DESCRIPTION OF DEPOSIT (continued) / DESCRIPTION DU GISEMENT (suite)  roughly triangular area approximately 200 and 140 feet along two sides at right angles. Strong mineralization persists up to the gabbro-chert contact. A chip sample from a trench on this zone over a distance of 90 feet gave: Gold, trace; Silver, 0.2 ounce a ton; Platinum, 0.003 ounce a ton; Nickel, 0.44%; Copper, 0.70%. The southeast zone has approximately the same dimensions as the northwest zone. The gabbro is partly bounded by bedded cherts but joins unmineralized gabbro on the east. Mineralization within the two zones consists of pyrrhotite, pentlandite, and chalcopyrite, with lesser pyrite and magnetite. In the main the sulphides occur as coarse blebs averaging between ½ to 1 centimetre across and distributed fairly evenly through the gabbro. Diamond drilling has shown that the dispersed mineralization extends very uniformly to at least 400 feet below the surface.				

## NAME OF PROPERTY E &amp; L (SNIPPAKER CREEK)

OBJECT LOCATED - Showing.

UNCERTAINTY IN METRES 200. Lat. 56°34'35" Long. 130°41'15"

Mining Division Liard District Cassiar

County Township or Parish

Lot Concession or Range

Sec Tp. R.

## OWNER OR OPERATOR

## DESCRIPTION OF DEPOSIT

In the vicinity of the showings the rocks are Lower Jurassic volcanic breccias, cherty tuffs, bedded cherts, and thin-bedded shaly argillites, intruded by medium to coarse-grained gabbro, part of which is mineralized with sulphides. The mineralization occurs within two distinct areas of gabbro, which are probably connected and are almost completely surrounded by sedimentary chert beds. These two areas, termed the Northwest and Southeast zones, are separated by a steep draw which appears to be underlain by a fault striking slightly east of north. Diamond drilling has indicated the mineralized bodies may have a pipe-like form. The gabbro east of the main showings has a distinct northeast foliation imparted by diabase dykes, local epidote and carbonate alteration, and a strong vertical joint pattern. Most of the gabbro outcrop of the Northwest zone is mineralized; the zone forms a roughly triangular area approximately 200 and 140 feet along two sides at right angles.

Strong mineralization persists up to the gabbro-chert contact. A chip sample from a trench on this zone over a

Associated minerals or products - Copper, silver, platinum, p.t.o. ....

## HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 6,100 foot elevation on the north side of the head of Snippaker Creek about 8 miles south of the Iskut River.

The E & L Nos. 1 & 2 claims were located on the showing in 1958 for the Bik Syndicate; the syndicate was financed by Silver Standard Mines Limited, McIntyre-Porcupine Mines, Limited, and Kerr Addison Mines Limited. Surface prospecting and sampling was carried out during the year. No further work was reported until the 1965 field season when the E & L Nos. 3 to 28 claims were located to protect the original two that cover the showings. On the upper part of the showings 400 feet of trenching was done and 7 x-ray holes were diamond-drilled totalling 352 feet.

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DESCRIPTION OF DEPOSIT (continued)

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REMARKS

Comp./Rev. By			DMacR	DMacR	DMacR		
Date	11-67	10-73	12-76	4-79	08-86		