PRODOCI GOLD	TERRITORY		N.I.5. AKEA	92 н/8	KEF. AU 2		
NAME OF PROPERTY. NICKEL PLATE		HISTORY OF EXPLORATION AND DEVELOPMENT					
OBJECT LOCATED - Ore zone, Nickel Plate clas UNCERTAINTY IN METRES 300. Lat. 49°22'25" Mining Division Osoyoos District County Township or Parish	m (Lot 741). Long. 120°01'50" Similkameen	 The Nickel Plate property is located at elevations of 5,500 to 6,300 feet on Nickel Plate Mountain, 2 miles northeast of Hedley. The orebodies have been developed by two mines, the Nickel Plate located on top of the mountain, and the Hedley Mascot (92 H/8, AU 4), located on the west slope. The original discovery was made at the top of the mountain and 					
Lot Concession or Range		Mascot Fraction, a 17	.2 acre claim	staked in the	early part		
Sec Tp. R.		of the century by Duncan Woods, was found to lie in the lower center of the Nickel Plate orebody, however terms					
OWNER OR OPERATOR		Woods could not be ar ment the two mines we points. The Nickel Plate Messrs. Wollaston and to M.K. Rodgers, who of Butte. The Bull D (Lots 739-741 respect 1900. By 1901 the wh	ranged. Durin re connected u group was loca Arundell and represented th og, Sunnyside, ively) were Cn ole of the mou	ng the process inderground at ated in Septemi sold the follo he Marcus Daly , and Nickel P rown-granted to intain was stal	of develop- several ber 1898 by owing year interests late claims o Rodgers in ked.		
DESCRIPTION OF DEPOSIT Nickel Plate Mountain is underlain mainly by a succession of Upper Triassic argillite, limestones, and volcanic rocks of the Nicola group, amongst which a nearly equal volume of igneous rock has been intruded in the form of sheets. The stratified rocks are truncated to the west by the Bradshaw fault, which follows Hedley Creek, and are floored by a large body of grano- diorite and intruded by gabbro stocks, dykes, and sills. The base of the mountain consists of a large body of the Coast intrusions, whose upper margin roughly follows the bedding in the overlying intruded sediments. Dykes and sills from this body cut the sediments, but are not abundant, and only one of notable size cuts the ore zone. The sedimentary strata dip at a low angle to the west and the orebodies roughly follow the bedd- ing down from the top of the mountain. The basic intrusions are abundantly represented through the ore zone, and have played a paramount role in the origin and location of the ore shoots. The largest of them, known as the see Card 2 Associated minerals or products - Silver, copper, arsenic, cobalt.		 Mining Company of Anaconda, Montana to acquire and operate the mine, and The Daly Reduction Company, Limited which was incorporated in British Columbia in March 1903 to install and operate the mill and surface facilities. The 40-stamp mill was put into operation in 1904, the ore being transported by a 1½ mile electric tram at the top of the mountain, and a 10,000 foot gravity tram in two sections down the slope to the mill. Little development work was done from 1907 and with the failure to find ore in No. 4 adit it seemed to the Daly estate an appropriate time to relinquish sole ownership and an interest in the property was sold to the Exploration Syndicate of New York in 1909. Under the agreement Hedley Gold Mining Company was incorpor ated in Delaware to operate the mill. By 1913 mill capaci had been increased to 250 tons per day. Underground development to 1902 totalled about a mile and extended to a depth of 350 feet. The four separate Sunnyside orebodies were developed by 4 adits and 2 glory holes. The Nickel Plate orebody was developed by a large see Card 2					
MRB-124	6		203813	1			

HISTORY OF PRODUCTION From 1904 to 1963 inclusive, 3,315,196 tons of ore from the Nickel Plate and Oregon (French) mines were milled. From this ore 1,363,948 ounces of gold, 133,848 ounces of silver, and 2,162,815 lbs of copper were recovered. These figures include 32,463 tons of ore from the Oregon mine which were milled during the period 1950-55 inclusive and for which no separate returns are available.	<pre>REFERENCES Reports of Minister of Mines, British Columbia: 1899, p. 742; 1900, pp. 883, 992; 1901, p. 1161; 1902, p. 186; 1903, p. 177; 1904, p. 227; 1905, pp. 188-191; 1906, p. 165; 1907, pp. 119, 215; 1908, pp. 118, 136; 1909, p. 135; 1910, p. 124; 1911, pp. 177-180; 1912, pp. 178-181, 237; 1913, p. 171, 320; 1914, p. 357; 1915, pp. 202, 205, 366; 1916, pp. 254, 427; 1917, pp. 27, 207; 1918, p. 213; 1919, p. 169; 1920, pp. 157, 255; 1921, pp. 177, 267; 1922, p. 162; 1923, p. 186; 1924, pp. 170, 295; 1925, pp. 209, 364; 1926, p. 218; 1927, p. 239; 1928, p. 257; 1929, pp. 263-267, 439; 1930, p. 216; 1931, p. 133; 1932, p. 138; 1933, p. 169; 1934, p. D 17; 1935, pp. D 11, G 46; 1936, pp. D 3, D 54; 1937, pp. D 3, D 30; 1938, p. D 33; 1939, p. 74; 1940, p. 61; 1941, p. 59; 1942, p. 58; 1943, p. 62; 1944, p. 58; 1945, p. 93; 1946, p. 125; 1947, p. 138; 1948, p. 122; 1949, p. 131; 1950, p. 114; 1951, p. 131; 1952, p.137; 1953, p. 106; 1954, p. 116; 1955, p. 41; 1964, p. 102; 1968, p. 219. </pre>				
MAP REFERENCES Map 2 A, Hedley, (Geol.), Sc. 1":1,000' - accomp. Memoir 2. Map 256 A & Fig. 16, Nickel Plate Mtn. (Geol. & orebodies) -	 ⁺Rice, H.M.A.; Geology and Mineral Deposits of the Princeton Map-Area; Memoir 243, pp. 65-72, Geol. Surv. of Canada, 1947. ⁺⁺Bostock, H.S.; Geology and Ore Deposits of Nickel Plate; Summary Report 1929, Pt. A, pp. 198-252, Geol. Surv. of Canada 				
<pre>Map 568 A, Hedley, (Geol.), Sc. 1":1 mile, Geol. Surv. of Canada. (1940). Map 888 A, Princeton, (Geol.), Sc. 1":4 miles - accomp. Memoir 243.</pre>	<pre>+++Lamb, J., Bush, J.B., Williams, C.T.; Nickel Plate Mine; Structural Geology of Canadian Ore Deposits, Vol. 2, pp. 42-46, The Canadian Institute of Mining and Metallurgy, 1957.</pre>				
Map 8526 G, Hedley, (Aeromag.), Sc. 1":1 mile. *Map 92 H/8, Hedley, (Topo.), Sc. 1:50,000. Geology of the Hedley Area, Sc. 1 cm:1 km, Fig. 2-10-1,	 Billingsley, P. and Hume, C.B.; Ore Deposits of Nickel Plate Mountain; The Canadian Institute of Mining and Metallurgy, Transactions, Vol. XLIV, 1941, pp. 524-590. Camsell, C.; The Geology and Ore Deposits of Hedley Mining District; Memoir 2, pp. 190-198, Geol. Surv. of Canada, 1910. 				
Geological Fieldwork, 1986, p. 66, BCDM.					
REMARKS	Dolmage, V. and Brown, C.E.G.; Contact Metamorphism at Nickel Plate Mountain; The Canadian Institute of Mining and Metallurgy, Transactions, Vol. 48, pp. 27-67, 1945.				
Comp./Rev. By DMacR DMacR DMacR DMacR Date 03–80 02–82 12–83 05–87	Warren, H.V. and Thompson, R.M.; The Mineralogy of two Cobalt Occurrences in British Columbia; Transactions of the Institution of Mining and Metallurgy, Vol. 54, pp. 201-216, London, January 1945.				
	BCI 92 H/SE - 37, 38 continued reverse Card 2				

PRODUCT GOLD	TERRITORY	LEIL COTMUDIE	N.T.S. AREA	92 H/8	REF. AU 2	
	HISTORY OF EXPLORATION AND DEVELOPMENT (continued)					
NAME OF PROPERTY NICKEL PLATE		glory hole and from Nos, 3 and 4 adits. The Dickson 30°				
DESCRIPTION OF DEPOSIT (continued)		decline, begun in 1912, was sunk from No. 4 adit at 5,600 feet				
DESCRIPTION OF DEPOSIT (continued) "Toronto stock", is exposed as an oblong box extending northerly for some 7,000 feet alon Hedley Creek. To the northeast and east the great array of dykes, sills, and irregular a largest of these, known as the "Climax stock westerly summit ridge of Nickel Plate Mounta implies it was originally believed to be a s contact has been found to be in part at least the intruded sediments, so that the body mon a large, irregular sill. Sills also occur of the Toronto stock, but are much less plentifiside. The basic intrusions are composed of gabbro, augite, diorite, quartz diorite, and occurring only as part of the east end of the sills and dykes. Both the dykes and sills and the sedimer locally been highly metamorphosed, the calca massive aggregate of pyroxene and garnet, ar sediments to a flinty rock resembling chert. The transition between the garnet-pyroxe unaltered limestone is abrupt, and it marks alization so closely that Billingsley introd term "Marble line" to designate it. Mineralization occurred in the Nickel PI system of interrelated orebodies, and in a h scattered orebodies, designate the Sunnyside Bulldog. About 1,200 feet to the southeast and 250 feet below it is the northern orebod mine, commonly referred to as Sunnyside No. the south of the last is Sunnyside No. the south of the last is Sunnyside No. known as Sunnyside No. 1 lies on the souther Sunnyside mineral claim. The Nickel Plate zone occurs in an irreg of ground approximately 350 feet wide horizo thick, and 2,000 feet long. Within this the in a series of five irregular sheet-like bod thick, each of which plunges at approximatel west along its longest axis and overlaps tho This arrangement of the orebodies gives the deposit a plunge of 28 degrees to the northw that of the individual orebodies. The orebodies	dy 2,500 feet wide ng the east side of a stock sends off a apophyses. The c", occurs on the ain. As its name stock, but the lower st concordant with re closely resembles on the south side of cul than on the north gabbro, quartz h porphyries; the last the Climax stock and as atary rocks have areous rocks to a nd the siliceous ene rock and the the limits of miner- fuced the special ate zone as a single half dozen lesser, le 1, 2, 3, 4, $4\frac{1}{2}$, and of the Nickel Plate ly of the Sunnyside 4. Lying 400 feet to ile Sunnyside No. 2 3. A fifth orebody m border of the ular, elongated block intally, 215 feet i ore has been found is 10 to 100 feet y 24 degrees north- se below en echelon. axis of the whole rest steeper than dies are named	glory hole and from 1 decline, begun in 19 elevation to the 4,83 footwalls of the orea 1920 and seasonal for with the company owned The orebodies were to borders of the Mascot and operations ceased The Nickel Plate New York for Mercer 1 owned subsidiary Keld incorporated in Britis property. Exploration mill re-opened in the begun in 1941 from ne sunk at 50° for 1,000 decline was sunk from Morning claim on the of the Hedley Mascot for an additional 600 The company name to Kelowna Mines Hedl 4,150 level decline with in 1954. Exploration and the mine closed if from mill cleanup in were reported at 95,8 Limited 1979 AR). Dundee Mines Limi Participations Incorp the year included 3,5 on the Warehorse clai In 1968 the Nicke claims owned by Burde was optioned by GM Ex- subsidiary of Giant M and 1970 included geo 3,053 feet of diamond company Mascot Nickel 1971 by Giant Mascot Services, Inc. (24%). surface diamond drill Exploration Company I	Nos. 3 and 4 12, was sunk 25 foot eleva bodies. Oper r several yea ed 1,600 hors raced westwar t Fraction of d early in 19 was optioned Exploration C owna Explorat ish Columbia on and develo e spring of 1 ear the foot 0 feet to the n this level far side of property, and 0 feet of slo (Kelowna Exp ley Limited. were small and n and develop in September 1957, 58, 62 359 tons at 0 ited optioned porated of New 513 feet of di im. el Plate, comp en Investors a cplorations Limited. Work during in 3 hold Limited held a	adits. The Dic from No. 4 adit tion, with cross ations were com rs following du epower hydro-el d down dip and p the Hedley Mas 31. in 1932 by J.W ompany. A prive ion Company, Lin in July 1933 to pment was resum 935. The Mornin of the Dixon de 4,150 level by for 430 feet to the Mascot Fr., d the orebodies pe distance. loration) was cl The orebodies of the decline was nent work were of 1955. Lessees a 63. Reserves .296 oz/t Au (G the property from Services, Inc. 6 imited. Work of geochemical sur 10 holes. A prive Limited was ince a (76%) and Burd g 1973 included an option on the patinued reverse	kson 30° at 5,600 feet scuts to the tinuous until e to problems ectric plant. mined to the cot property . Mercer of ate, wholly mited was acquire the ed and the ng decline, cline, was 1948. A 46° enter the the key claim were followed hanged in 1951 opened by the as abandoned discontinued shipped ore s at closing 4 Resources rom Oil Work during in 8 holes h-granted of Delaware, y owned during 1968 rveys and rivate corporated in den Investors 407 feet of anda e tailings	
constitued re	verse varu 2					
		1				

DESCRIPTION OF DEPOSIT (continued)

consecutively downward, the top one which outcrops at the glory-hole being known as No. 1 orebody, the next below as No. 2 orebody, and so on to No. 5 orebody.

The ore deposits are of the contact metamorphic type, but unique inasmuch as they have arsenopyrite as the principal sulphide. Visible free gold occurred in considerable amounts at and near the surface. The ore consists of gold-bearing arsenopyrite in a gangue of metamorphic silicates. Chalcopyrite and pyrrhotite are common throughout many parts of the mine. Very small amounts of sphalerite and pyrite are also found, but these are unusual. The great majority of the sulphides occur disseminated through the gangue and the amount occurring as filling fractures or as distinct veins is insignificant. The ore carries about 0.66% cobalt.

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continued above

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

area and carried out rotary drilling in 16 holes totalling 589 feet.

The company name (Giant Mascot) was changed in 1977 to GM Resources Limited. Rehabilitation of main adits and sampling was begun in 1979. The company name (Mascot Nickel Plate) was changed in August 1980 to Mascot Gold Mines Limited; in November 1980 the GM Resources interest in the company was reduced to 61.7%, and the Burden Investors interest to 7.6%. Drill indicated reserves, based on 1980-81 drilling, were reported as 148,238 tons at 0.273 oz/t Au (GM Resources, 9 month interim report, 1981).

By Oct. 1980, "A" adit was re-opened making Sunnyside zone accessible. By March 1981, there were drilled 67 holes (36 surface and 31 underground) totalling 6,543.5 feet. Dickson shaft was rehabilitated to the 600 foot level. Of the 31 underground holes, 23 were drilled in the Sunnyside No. 450 area and 8 in the North Dyke. To July 1981, there were diamond drilled 28,261 feet from underground and surface. From this work were outlined drill-indicated reserves of 376,593 tons grading 0.281 ozs Au/ton. (NM Feb. 25, 1982).

GM Resources Limited and three other companies were merged into a new company, Campbell Resources Inc which was incorporated in June 1983, thereby giving Campbell Resources a 76.5% interest in Mascot Gold Mines Limited. Reserves were reported at 500,000 tons grading 0.288 oz/t gold (Campbell Resources Inc 1983 AR). Through share transactions and amalgamations in 1984 Campbell Resources transferred its interest in Mascot Gold Mines to Royex Gold Mining Corporation; Mascot acquired 100% interest in the property and Royex became the major shareholder in Mascot. Extensive surface and underground drilling was carried out in 1984-85. Proven and probable open pit reserves were reported as 7,100,000 tons at 0,15 oz/t Au; underground reserves were proven 668,982 tons at 0.16 oz/t Au and probable 858,000 tons at 0.15 oz/t Au (International Corona Resources, Prospectus 10/09/86), Continued drilling in 1986 increased open pit reserves to proven 8,300,000 tons at 0.14 oz/t Au (Mascot Gold Mines Limited First Quarter Report, 1987).

Construction of a 2,700 ton per day concentrator began in April 1986 and milling operations began in April 1987.