CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO..... MO15541
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... ODGMI 93-207
MAP CODE NO. OF REC..

REPORTER
NAME..... BRADLEY, ROBIN; WALKER, GEORGE W.
DATE..... 79 03
UPDATED..... 81 04
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION
DEPOSIT NAME..... UPPER LAWSON AND HUNTLEY SPRING

COUNTRY CODE..... US
COUNTRY NAME: UNITED STATES

STATE CODE..... OR
STATE NAME: OREGON

COUNTY..... CURRY
DRAINAGE AREA..... 17100311 PACIFIC NORTHWEST
PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 41

QUAD SCALE	QUAD NO OR NAME
1: 62500	COLLIER BUTTE (1954)

LATITUDE	LONGITUDE
42-22-51N	124-09-32W

UTM NORTHING	UTM EASTING	UTM ZONE NO
4692500.	404600.	+10

TWP..... 037S
RANGE.... 012W
SECTION.. 07 18 19
MERIDIAN. WILLAMETTE

POSITION FROM NEAREST PROMINENT LOCALITY: 27 MILES FROM U. S. 101 NEAR GOLD BEACH

COMMODITY INFORMATION
COMMODITIES PRESENT..... NI

MAIN COMMOD..... NI CR

ORE MATERIALS (MINERALS,ROCKS,ETC.):
SOIL, SAPROLITE

ANALYTICAL DATA(GENERAL)
AVERAGE CONTENT OF SOIL IS 0.67 % NI; 0.05 % CO; 2.29 % CR; 23 % FE

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2
YEAR OF DISCOVERY..... 1957

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
LATERITES
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL
MAX LENGTH..... 4500 FT
MAX WIDTH..... 800 FT
MAX THICKNESS..... 35 FT
COMMENTS(DESCRIPTION OF DEPOSIT):
UNWEATHERED ROCK CONTENT IN SOIL IS ESTIMATED TO AVERAGE 60 % BY VOLUME

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):
SOME SHALLOW BULLDOZER TRENCHES AND PROSPECT RDS. WERE CONSTRUCTED.

PRODUCTION
UNDETERMINED

GEOLOGY AND MINERALOGY
HOST ROCK TYPES..... LATERITES
IGNEOUS ROCK TYPES..... DIKES AND STOCKS OF DIORITE, GABBRO, AND DIABASE.

LOCAL GEOLOGY

COMMENTS (GEOLOGY AND MINERALOGY):
SOILS DEVELOPED ON PARTLY SERPENTINIZED HARZBURGITE-WHICH IS A THIN THRUST SHEET.

GENERAL REFERENCES
1) RAMP, LEN, 1978 , INVESTIGATIONS OF NICKEL IN OREGON: ODGMI MISC. PAPER NO. 20 , P. 57
2) RAMP, L. AND OTHERS, 1977, GEOLOGY, MINERAL RESOURCES AND ROCK MATERIAL OF CURRY COUNTY, OREGON; ODGMI BULL. 9
P.51

Name: Agness

Upper Lawson Prospects

Ownership: On June 25, 1975, we found a claim notice below Timber Access road No. 3529 at about 3,200 feet elevation posted by Glen Colebank in July 1957. Claim papers on top of the hill at about 3,800 feet elevation had disintegrated and were unreadable. Efforts to continue assessment work in this area may have been abandoned. Patches of soil lying to the south, about 1 kilometer west and 1 kilometer northwest of Huntley Springs are reported to be claimed by Mr. & Mrs. Leon Dippold of Gold Hill, Oregon. ~~The small patch to the north in the vicinity of sec. corner of 31, 32, 5 and 6 is apparently unclaimed~~.

Location: The main area lies on a low ridge between the forks of Upper Lawson Creek in the SE¼ sec. 7 and NE¼ sec. 18, T. 37 S., R. 12 W., between 860 and 1,170 meters elevation. (This area is unsurveyed and the projected sections are about 1.75 ~~1 3/4~~ miles wide) ~~The northern patch plotted only from aerial photos lies about 3¼ kilometers (2 miles) north of the main patch in the vicinity of sec. corner of 31, 32, 5, and 6; T. 36 and 37 S., R. 12 W. between about 645 and 788 meters elevation.~~ The 3 small patches which lie about 2 kilometers south in the vicinity of Huntley Springs are in the SE cor. sec. 18 and NE¼ sec. 19, T. 37 S., R. 12 W., between about 862 and 1,130 meters elevation.

A point approximating the center of the main soil area is 42°22'47" N. Lat. and 124°9'27" W. Long.

The area may be reached via Hunter Creek road and Fairview Mountain roads and is about 43 kilometers from U. S. 101.

It is about 18 kilometers to the nearest power line on the Gold Beach Agness road.

There is adequate water nearby.

Climate and Vegetation: The average annual rainfall is about 190 cm. Average temperature in summer is about 15° C and the average winter temperature is about 7° C. Vegetative cover on the ultramafic rocks includes brush such as azalea, manzanita, huckleberry brush, tan oak, heather, cascara, and pine trees; mainly knob cone, white pine and Jeffry. Brush overlying the Colebrooke schist, Dothan and intrusive rocks is much more dense and of different variety including Douglas fir, oak, madrone, cedar, rhododendron, etc.

Land Use: The area is mainly being used for timber production but very little commercial timber is obtained from the ultramafic rocks on which the nickel-bearing laterites occur.

History: Claims were located in the area in 1957. Exploration and development work consists of some shallow bulldozer trenches and prospect roads and a minor amount of auger sampling; part of which was done during the present investigation. It is believed that Hanna Mining Company has investigated the prospects; but no information has been obtained from them.

General Geology: (see photogeologic map)

The soil patches occur on partly serpentinized harzburgite which appears to be rather thin thrust sheets overlying Colebrooke Schist and Dothan-Otter Point Formation. The Colebrooke Formation and ultramafic rocks have been intruded by dikes and stocks of diorite, gabbro, and diabase. A northeast-trending, near-vertical fault marks the contact of ultramafic rocks with Colebrooke Schist in the area just east of Fairview Meadow. Coleman (1972) interprets the northwest side of this fault as being downthrown; but the present writer's interpretation leaves this open to question.

The youngest rocks in the area are lower Cretaceous conglomerates, sandstones and shales of the Myrtle Group that outcrop in the area south of Huntley Spring. Age of the ultramafic rocks is uncertain but they are known to pre-date the intrusives of Nevadan age (150 million years). The Colebrooke Schist is Upper Jurassic and the Dothan-Otter Point Formation is latest Upper Jurassic in age. Slumping and sliding are common in the area and appears to have influenced the accumulation of soil.

Description of Deposit: The main area of soil in secs 7 and 18 contains about 36 hectares. Most of the area is very rocky and the soil cover appears to be quite shallow. A maximum depth of soil and saprolite development may be about 10 meters and the estimated average depth over the 36 hectare area is 2½ meters. The estimated average content of rock in the soil is ~~80~~ 75 percent. The average length of the deposit is about 1,400 meters long and 257 meters wide.

Grade and Tonnage estimates: The average of 4 shallow samples of soil and saprolite assayed 0.67 percent Ni and 0.18 percent Co. ~~Analyses for other elements are not available.~~ 0.05% Co 2.29% Cr 22.7% Fe

Gross tonnage in the deposit of rock and soil using a 1.90 m.t./cu.m. factor is 1,710,000 tonnes. Net tonnage of soil and saprolite, using a factor of 1.60 m.t./cu.m. is ~~288,360~~ 360,000 tonnes. ~~Estimated~~ calculated grade of the gross tonnage is ~~0.32~~ 0.34 percent Ni.

If the photogeology is accurate there is about 15 hectares in the Huntley Spring patches. Using the same factors, one can come up with an additional 712,500 gross tonnes of soil and rock and an additional net tonnage of 120,150 tonnes of soil and saprolite; but no samples have been obtained as yet to confirm these estimates.

Similar small patches of lateritic soil occur on Snow Camp Mountain and Windy Creek about 2 kilometers and 4 kilometers respectively, south of the Huntley Springs area. These are covered in a separate report under "Snow Camp Mountain".

Reference: Coleman, R. G., 1972, U.S. Geological Survey Bulletin 1339, the Colebrooke Schist of Southwestern Oregon and it relation to the tectonic evolution of the region.

Report by: Len Ramp October 30, 1975

Upper Lawson Owners Grp

32 20 acre Claims

Huntley Springs Group	6	Book 16 -	Page 111
Nickel Retn Group	6	"	"
Buckhorn Nickel	8	"	"
Nickel Hill	8	"	"
Top Hill	4	"	"
	32 Claims in group		

Owners { Howard Barkley
Lester W. Barkley
Stanley Colebank
3248 Maple St
Myrtle Point, Ore. 97458

all Located in secs 18 and 7?