702 Woodlark Building Portland, Oregon

Report by: Ray C. Treasher, Date: June 8, 1945.

COBALT BLUE (Co, Mi ?)

Grants Pass area Josephine County

S small prospect in a serpentine area is reported as containing cobalt and nickel. The slicked serpentine (serpentite) contains some metallic particles which may be nickel-bearing. Spectrographic analysis showed no cobalt or nickel.

Owners: J. E. Hamlin, Rt. 3, Box 698, Grants Pass, Oreg.; P. C. Dressel; H. R. Flaiz.

Location: SWi sec. 6, T. 36 S., R. 7 W., on the divide between Pickett and Shann Creeks, at an elevation of 4400 feet. Reached via Forest Service road to Onion Mtn.; at the southeast base of the mountain, a road goes down one mile to Hamlin's cabin. Then two miles by trail in an easterly direction.

Area: One claim, Cobalt Blue, located Dec. 24, 1942.

<u>Development</u>: One trench 15 feet long that ends in a "dog hole" that is five feet deep. Several small trenches are scattered across the claim.

Geology: Country rock is serpentine that has been sheared and altered to "serpentite", the slick, light-greenish alteration product of serpentine. Some of the "serpentite" contains tiny metallic particles. Sample 45-T-19 was sent for spectrographic testing as DG 145. Results were "none".

State Department of Geology and Mineral Industries

702 Woodlark Building Portland 5, Oregon

PACK TRAIL CLAIM (Ni, Co)

Josephine County Grants Pass Area

Old Name: Cobalt Blue (located Dec. 24, 1942).

Owner: John E. Hamlin, Route 3, Box 388, Grants Pass, Oregon.

Location: SW¹/₄ sec. 6, T. 36 S., R. 7 W. at an approximate elevation of 3300 feet (A) on the divide between Pickett and Shan Creek. The claim is 2.5 miles northeast of Onion Mountain road and 14.2 miles from the Redwoods Highway (U. S. 199). Onion Mountain road begins at the foot of Hayes Hill 14.8 miles south of Grants Pass via the Redwood Highway.

Detailed directions of the location of the claim follow:

Grants Pass along Redwoods Highway to Onion Mt. rd. 14.8 mi.
From Redwoods Highway travel along Onion Mt. road 14.2 "
Turn right (N.E.) from Onion Mt. road to Hamlin's cabin . . . 1 "
Then E. from Hamlin's cabin along "jeep" road to claim . . 1.5 "

Area: 1 claim called the Pack Trail.

<u>Development</u>: There are two bulldozer cuts, one on the north side of the road and another about 250 feet south of the road, and a trench 15 to 20 feet long south of the latter cut.

Geology: Bulldozer cuts expose irregular thin lenticular masses of magnetite in pale green and black sheared serpentine that also contains some small stringers or seams of pyrrhotite and thin films of dark green garnierite. The magnetite varies from $\frac{1}{2}$ inch to almost 1-foot in width. The shear zone in the serpentine containing these minerals has an apparent strike to the north and $\frac{1}{2}$ nearly vertical.

Samples from this prospect and the results of their assays are listed below:

Sample No.	% Ni	% Co	% Cu	Description and Remarks
LG-605	6.71	.32		Magnetite with bright green stringers of garnierite; submitted by J. E. Hamlin 2/28/51.
MG-47	.14			Magnetite in serpentine. Submitted by J. E. Hamlin 2/20/52.
NG-245	3.81	.25	.50	Sheared serpentine containing magnetite, small masses, grains, and stringers of pyrrhotite, some malachite (?), limonite and dark green garnierite. Taken from bulldozer cut at 3300' elevation S. of road by D.J.W 7/7/53.
NG-246	.10			Magnetite in serpentine 200' lower in elevation and east of sample NG-245. Taken by D.J.W 7/7/53.

Visited by: D.J.W. & L.R. - 7/7/53.

Report by: D.J.W. - 9/23/53.

Also see attached report by: R.C.T. on Cobalt Blue Claim.

State Department of Geology and Mineral Industries

702 Woodlark Building Portland 5, Oregon

Report by: Ray C. Treasher

Date: June 8, 1943

COBALT BLUE (Co, Ni ?)

Grants Pass Area Josephine County

A small prospect in a serpentine area is reported as containing cobalt and nickel. The slicked serpentine (serpentite) contains some metallic particles which may be nickel-bearing. Spectrographic analysis showed no cobalt or nickel.

Owners: J. E. Hamlin, Rt. 3, Box 698, Grants Pass, Oreg.; P. C. Dressel; H. R. Flaiz.

Location: SW¹/₄ sec. 6, T. 36 S., R. 7 W., on the divide between Pickett and Shan Creeks, at an elevation of 4400 feet. Reached via Forest Service road to Onion Mtn.; at the southeast base of the mountain, a road goes down one mile to Hamlin's cabin. Then two miles by trail in an easterly direction.

Area: One claim, Cobalt Blue, located Dec. 24, 1942.

<u>Development:</u> One trench 15 feet long that ends in a "dog hole" that is five feet deep. Several small trenches are scattered across the claim.

Geology: Country rock is serpentine that has been sheared and altered to "serpentite", the slick, light-greenish alteration product of serpentine. Some of the "serpentite" contains tiny metallic particles. Sample 43-T-19 was sent for spectrographic testing as DG-145. Results were "none".

State Department of Geology and Mineral Industries

702 Woodlark Building Portland 5, Oregon

Date	July	1. 194	3
		7	-

The result of the analysis of Sample No. DG-145 is listed below.

The Department did not participate in the taking of this sample and assumes responsibility only for the analytical results.

	Cobalt	Nickel		CHARLES AND	Mercury	Gold	Silver
Sample Number	Percent	Percent	Percent		lbs./ton	oz./ton	oz./ton
DG-145	None	None					

				100		
		A	ssa	yer		

Remarks:

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES QG-195 1069 State Office Building Ni, Co, Cu.

Portland, Oregon - 97201

REQUEST FOR SAMPLE INFORMATION

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

(Please print.) COPY	COPY
NameJohn E. Hamlin	Date sample is sent 7-13-56
Street/Box_ Route 3 Box 388	Name of property ownerssame
Grants Pass, Oregon 97526	
City State ZIP Code	Are you hiring labor? no
Name of claim sampled Pack Trail	Milling or shipping ore? no
County Josephine Min Township 36 S Range 7 W Sec	e (If legal description is not known, give known geographical point.) ning district Grants Pass etion 6 Quarter section and to property Name of Road Jeep Road
Channel (length) Grab Ass	ay for Description
Sample No. 1 X Ni,	Co, Cu
IMPORTANT: A vein sample should be taken in an Location of sample in the workings, together with t	he width measured, should be recorded. gned) /s/ John E. Hamlin
Description Heavy Mixture of magnetite and pyrrh dark-green garnierite on shears.	notite in sheared serpentine with
	DBALT COPPER Nickel
P=19941	.59 % 1.60 % 4.96 %
Report issued Card filed	Report mailed 7-25-56 Called forSIR-5

Alsa 245 2246

2033 First Street Baker, Cregon

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES #4-NG-248

239 S.E. "H" Street Grants Pass, Oregon

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given
on the back of this blank. Please supply the information requested herein as fully as
possible and submit this blank filled out along with the sample.
Your name in full salavid White was a salavid as a salavid sal

TOUR Name In Tull Bavid White
Post office address mag adP.O. Box 417 of Grants Pass, Oregon as goding
Are you a citizen of Oregon Yes Date on which sample is sent 7.2.53 Name (or names) of owners of the property Hamin
Are you hiring labor?
Name of claim sample obtained from Pack Trail and Market Sale Colleges of the
Are you milling or shipping ore?
Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)
County Josephine Mining district County Pass
Township 36 S Range 7 W Section 6 Quarter section SE/SW
How far from passable road and name of road 12 mi Hamin's Cabin 1 mi NE Onion Mt.
Channel (length) Grab Assay for Description
Sample no. 13.4 begailded as you be not ident. From small pit on ridgetop
Sample no. 2 (Samples for assay should be at least I pound in weight.) (Signed) DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED
Description #1 Gray, green and black perpentine with magnetite, malachite, esbalt stein ? (blue). #2 Fractured magnetite, serpentine with miner pyrrhetite (?) in
Sample GOLD SILVER
number oz./T. Value oz./T. Value
NG-247 P-14768 NG-248
Report issued Card filed Report mailed Called for

2033 First Street Baker, Oregon

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES 239 S.E. "H" Street

Portland 1, Oregon

Grants Pass, Oregon

REQUEST FOR SAMPLE INFORMATION

The Stat	e law govern	ing analysis	of samp.	les by the	State assay	laborator	r is given
on the back o	f this blank	. Please sup	pply the	informati	on requested	herein as	fully as
possible and	submit this	blank filled	out alor	ng with the	e sample.		

Your name in full John E. Hamlin
Post office address Rt. 3 Box 388 Grants Pass, Oregon
Are you a citizen of Oregon Yes Date on which sample is sent 2-20-52
Name (or names) of owners of the property John E. Hamlin
Are you hiring labor?
Name of claim sample obtained from Pack Trail
Are you milling or shipping ore?
Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.) County
Township 36 S Range 7 W Section 6 Quarter section
How far from passable road and name of road 2 miles Forest Service Road
Channel (length) Grab Assay for Description
Sample no. 1 x Co,Ni magnetite with serpentine
Sample no. 2 (Samples for assay should be at least 1 pound in weight.) (Signed) DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED
Description magnetite in serpentine
Sample GOLD SILVER COBALT NICKEL
number oz./T. Value oz./T. Value Co Ni P-12432
MG-47 Trace 0.14%
Parant issued Cand filed Remort mailed 2 1 50 Called for

2033 First Street Baker, Oregon

STATE DEPARAMENT OF GEOLOGY AND MINERAL INDUSTRIES

1069 State Office Building Portland 1, Oregon 239 S.E. "H" Street Grants Pass, Oregon

REQUEST FOR SAMPLE INFORMATION

	The	e Sta	te I	law	govern:	ing a	nalysi	s of	sampl	es by	the	State	assay	laborat	ory	is;	given
on	the b	back (of t	this	blank	. Pl	ease s	upply	the	infor	matic	on requ	uested	herein	as	full	y as
pos	ssible	e and	sul	omit	this	blank	fille	d out	alor	ng wit	h the	samp.	le.				

	the state of the s	the state of the s		Commence of the Commence of th		bas sero lo s		de englantes codo como estamble characteristica de la continue de
		The state of the s				ass, Oregon		
Are you	a citizen	of Oregon	Yes	_Date on	which sam	ple is sent_	2-20-5	2
Name (or	names) of	owners o	f the pro	perty	John 1	E. Hamlin	anen in	<u> </u>
Are you h	niring lab	or?	the coun	to eman i	inding the	s teken, inc.	ple wa	
Name of o	claim samp	le obtain	ed from	Pack Tr	ail	med under the	milios	
Are you n	milling or	shipping	ore?	ـ ايد مدود	haddada.	alçona cil (a		
Cour Town How far I	location nty nship 36 from passa Chan 0. 1	Josephi S Ran ble road nel (leng	ge 7 and name th) Gra	M Section of road Co.	Mining di on 6 2 miles y for	cription is all point.) Letrict Quarter se Porest Se Designation in a second control of the second control	ction	is
				(Sign	ed)	John E. Haml	n tol	
DO	NOT WRITE	BELOW TH	IS LINE -	FOR OFF	ICE USE ON	ILY - USE OTH	ER SIDE IF	DESIRED
Descripti	on mag	netite in	serpentin	19				
-								
Sample	GO:	A STATE OF THE PARTY OF THE PAR	SIL	-	COBALT	NICKEL	-	
number P-12432	oz./T.	Value	oz./T.	Value	Co	Ni		
MG-47					Trace	0.14%		
Report is	ssued	C	ard filed		Report m	mailed 3-4-52	Call	ed for

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street Baker, Oregon 1069 State Office Building Portland 1, Oregon

239 S.E. "H" Street Grants Pass, Oregon

au, Co, Croz, ni, Pt.

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein as fully as possible and submit this blank filled out along with the sample.

Your name	in full_	John E	. Hamlin	Alimenton	r'wo' stoads	of ores and	to mort	
Post offi	ce addres	s Route	3 Box 3	88 G	rants Pass	, Oregon	ratte	
Are you a	citizen	of Oregon	Yes	Date on	which sam	ple is sent	9-28-51	
Name (or	names) of	owners o	f the pro	perty	A VISCOS	ame where	evante	N.
Are you h	niring lab	or?	M Ames	edd nall	found fetal	s teken, inc	al teda	
Name of o	laim samp	le obtain	ed from_	Pack	Trail	() tebmy the intaken phi	Holian Holian	
						Trees of La		
Location	of proper location	ty or sou with ref	rce of sa erence to	nple (If known g	legal desc eographica	cription is l point.)	not known	
						_ Quarter s		
How far i	rom passa	ble road	and name	of road_	2 miles	ny subalt si s aball be s	raidres .	
	Chan	nel (leng	th) Gra	b Assa;	y for	Des	scription	
Sample no	notianter	rateb to : adalidus :	stincer be	Au, C	o, Cr ₂ O ₂ , Ni	Pt US	magnetite	
Sample no	sb Ol ed (Samples f	or assay	should be	e at least	l pound in	weight.)	and the second s
				(Signe	ed)	John E.	Hamlin	
DO	NOT WRITE	BELOW TH	IS LINE -	FOR OFF	ICE USE ON	LY - USE OT	HER SIDE I	F DESIRED
Descripti	on Mag	netite wi	th bright	green s	tringers o	f malachite	or garnie	rite.
Some sul	phides ar	e present	- pyrrho	tite (?)	•			
Sample	GO		SIL		COBALT	CHROME	NICKEL	PLATINIM
number	oz./T.	Value	oz./T.	Value	Co	Cr203	Ni Ni	Pt
P-12051	Nil	205 109		400 am	0.32%	2.60%	6.71%	Nil
Report is	sued	C	ard filed		Report ma	ailed 10-1	7-51 Cal	led for

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

1069 State Office Building

2033 First Street Baker, Oregon

Portland 1, Oregon

239 S.E. "H" Street Grants Pass, Oregon

LAW RELATING TO FREE AMALYSIS OF ORES, MINERAL REQUEST FOR SAMPLE INFORMATION

	The	Stat	te :	law a	govern	ning a	nalysis	of	sampl	Les by	y the	State	assay	laborat	corj	7 is	giver
on t	the b	ack o	of ·	this	blank	c. Pl	ease su	pply	the the	info	rmatic	on requ	rested	herein	as	full	y as
poss	sible	and	sul	omit	this	blank	filled	out	alor	ng wi	th the	samp.	Le.				

		Dav Dav	id White	DOGAMI)	TO adees	ms said io Grafita	O BOTT		
Post of	fice addres	Solver ed	P.O. Box	417 (Frants Pass	on Oregon	Tetle		
Are you	a citizen	of Oregon	ed Yes	Date on	which samp	ole is sent	7-8-53		
Name (or	names) of	owners o	f the prop	perty	A VIVE J.	E. Hamlin	aracta_	\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.	
Are you	hiring lab	or?	No small	eds vote	intel touch	s taken, in	m tent		
Name of	claim samp	ole obtain	ed from_	Pack	Trail	med under t	rollos rollos		
						Icaes ov (e			
	location	with ref	erence to	known go	eographica.	cription is l point.)			
- Teg Toy	wnship 36	S Ran	ge 7 W	Section	on 6	Quarter se	ectionS	WŁ	
How far	from passa	ble road	and name	of best	la mi Ham	lin's cabin,	a sace	Onion Mt.	
					.eidtseog	F.S. Ro	oad-las		
Channel (length) Grab Assay for Description Jud Juda noisentments to assess the beviewer noisentment life (s)									
Sample	no. l	edat/dug	ed vam bx	no .Co.	Cu, Ni	Tox pago ad	Liefs		
	the 10 day	Samples f	or assay	should be	e at least	l pound in	weight.)		
				(Signe	ed)	David White	9 307		
DC	NOT WRITE	BELOW TH	IS LINE -	FOR OFF	ICE USE ON	LY - USE OTH	ER SIDE IF	DESIRED	
Descript	cion No 1-	_She a red	sermenting	contai	ning magnet	tite, small	masses or	ains, and	
narrow :	stringers p	yrrhotite	, and some	malach:	ite (?) li	monite, and	dark green	garnierite.	
No. 2 -	Magnetite	in serpen	tine 2001	below s	ample #1.	COPPER	NICKEL		
Sample	oz./T.	Value	oz./T.	Value	COBALT	Cu	Ni		
P-14765 NG-245				-	0,25%	0.50%	3.81%		
P-14766 NG-246				NO 80	Trace		0.10%	689 /HD 450	
Report i	ssued	C	ard filed	The self-or representation of the se	Report ma	iled 7-22 -	-53 Calle	ed for	

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

1069 State Office Building Portland, Oregon - 97201

OG-249

Co, Ni, Au

REQUEST FOR SAMPLE INFORMATION

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference

(Please print.)	COPY	CO	PY							
Name John E. Hamlin		Date sample is sent 7-3-54								
Street/Box Route 3 Box 388		Name of property ownerssame *								
Grants Pass, Oregon 97526				, š.						
City State Name of claim sampled Pack T	ZIP Code		Are you hiring labor? no Milling or shipping ore? no							
County Josephine Township 36 S Range How far from passable road and na	7 W Section of road 1½	nown geographical p ng district Grants I on 6 Qua miles from Hamlin's	oint.) Pass rter section Cabin	ve						
Channel (lengt	Channel (length) Grab Assay for Description									
Sample No. 1	X Co, N	i, Au								
Sample No. 2 (Samples for assay should be at least MPORTANT: A vein sample show Location of sample in the workings	old be taken in an , together with the	even channel across	the vein from wa hould be recorded	ıll to wall.						
DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED										
Description Serpentine with mi	nor smaltite (?)									
				7. 2						
Sample GOLD oz./T. Value oz.	SILVER CO	BALT NICKEL	-							
P-16688 OG-249 Nil	7 11 7 4100	0 % 2.87 %								
Report issued Card	filed	Report mailed 7-2	Called for							

RECORD IDENTIFICATION

RECORD NO..... M061868

RECORD TYPE XIM

COUNTRY/ORGANIZATION. USGS

DEPOSIT NO..... DDGMI 100-191

MAP CODE NO. OF REC ..

REPORTER

NAME..... SMITH. ROSCOE M.

DATE 78 08 UPDATED..... 81 03

BY...... FERNS. MARK L. (BRODKS. HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME...... DNIGN MOUNTAIN NICKEL

SYNONYM NAME...... PACK TRAIL. COBALT BLUE

COUNTRY CODE

COUNTRY NAME: UNITED STATES

STATE CODE..... OR

STATE NAME: OREGON

COUNTY JOSEPHINE

DRAINAGE AREA..... 17100309 PACIFIC NORTHWEST

PHYSIOGRAPHIC PROV. 13 KLAMATH MOUNTAINS

LAND CLASSIFICATION

QUAD SCALE QUAD NO DR NAME

1: 62500 SELMA

LATITUDE LONGITUDE

42-27-54N 123-34-36W

UTM ZONE NO UTM NORTHING UTM EASTING 4701350. 452590 . +10

TWP 365

RANGE DTW

SECTION. 06

MERIDIAN. WB & M

ALTITUDE .. 3300

LOCATION COMMENTS: SW 1/4

```
MINOR COMMOD. ... CO CU
  TRE MATERIALS (MINERALS , ROCKS , ETC.):
    GARNIERITE. PYRRHOTITE, MALACHITE, MAGNETITE
  ANALYTICAL DATA (GENERAL)
    ASSAYS RAN 0.14 - 6.71 % NI; 0.25 - 0.32 % CD; 0.50 % CU
EXPLORATION AND DEVELOPMENT
  STATUS OF EXPLOR. OR DEV. 2
DESCRIPTION OF DEPOSIT
  DEPOSIT TYPES:
   SHEAR ZONE
  FORM/SHAPE OF DEPOSIT:
  SIZE/DIRECTIONAL DATA
   SIZE OF DEPOSIT..... SMALL
    STRIKE OF OREBODY .... NORTH
DESCRIPTION OF WORKINGS
    SURFACE
  COMMENTS(DESCRIP. OF WORKINGS):
    CUTS, TRENCHES
PRODUCTION
      UNDETERMINED
                           SAMPLES - 1953 0.1-6.7 NI, 0.3 CU, 0.5 CU
  23
GEDLOGY AND MINERALOGY
  AGE OF HOST ROCKS ..... JUR
  HOST ROCK TYPES..... SERPENTINITE
  PERTINENT MINERALOGY ..... SERPENTINE
  LOCAL GEOLDGY
 COMMENTS (GEOLOGY AND MINERALOGY):
   SHEAR ZONE IN SERPENTINE CONTAINS THIN LENSES OF MAGNETITE, STRINGERS OF PYRRHOTITE AND COATINGS OF GARNIERITE
```

The supplies of the supplies o

MAIN COMMOD..... NI

GENERAL REFERENCES

1) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, DREGON; ODGMI BULL. 100, 45P