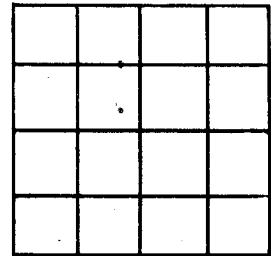


STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES
 Head Office: 702 Woodlark Bldg., Portland 5, Oregon

Field Offices:
 2033 First Street, Baker, Oregon
 714 East "H" Street, Grants Pass, Oregon



~~Form 100~~
 Date 8-13 1947 Number HOLE NO. 1

Recorded by RSIMMONS Source _____

County JOSEPHINE Area _____

Quadrangle KERRI 1 1 sec. T 39 N/S., R 9 W.

(Drilling Company and Address)

Method of Drilling HAND AUGER Date 8-13-47 19

REISSUE NO. 2 CLAIM - GEO DEELE

(Property Owner and Address)

Land surface, datum _____ ft. above
 below

Material	Thickness (feet)	Depth (feet)	Remarks
			COLLAR OF HOLE 5' BELOW SURFACE
<u>YELLOW-BROWN SOIL</u>	<u>1"</u>	<u>0-1</u>	<u>NO SHOTS</u>
<u>HOLE NO. 2</u>			
<u>300' ± NORTH OF HOLE NO. 1</u>			
<u>RED-BROWN SOIL - SHOTS</u>	<u>0-1/4"</u>		COLLAR (A) <u>FRONTIER</u> <u>1/4" DIAMETER</u>
<u>YELLOWISH-BROWN</u>	<u>1/6" - 2 1/2"</u>		<u>NO SHOTS</u>
" "	<u>2 1/6" - 3 1/6"</u>		" " <u>(DRY)</u>
" "	<u>3 1/6" - 3-8"</u>		<u>NO SHOTS</u>
<u>BOSSOM AT 3'-8"</u>			

AT

W
16

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

Redbird No. 2 Claim

Project

Hole No. 1 Location Kerby Quadrangle. N. E. slope of Woodcock Mtn.

of sec. 19 T. 39S R. 8W County Josephine

Coord. N. E.

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>3260</u>					
Depth to top of bed	<u>0' - 0"</u>	<u>1' - 0"</u>	<u>1'</u>	<u>P6529</u>	<u>Yellow-brown soil No shots</u>
Elev. of top of bed					
Thickness of bed					
Elev. bottom bed					
Depth of hole <u>1' - 0"</u>					
Elev. water table					
Bottomed in <u>Solid rock</u>					

Drill used <u>3" hand auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Libbey</u>					
Mtrl. classfd. by <u>Dole</u>					
Sampler <u>Mason</u>					
Date hole began <u>8-13-47</u>					
Date hole finished <u>8-13-47</u>					
Shifts actually drilled <u>1/2</u> hr.					

Remarks Hole abandoned when solid rock encountered. Collar of hole in bottom of
loc. cut 5' below surface.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

Redbird No. 2 Claim
Project

Hole No. 2 Location Kerby Quadrangle 300' / N60°E. of Hole No. 1. Elev. 3255

of sec. 19 T. 29S R. 8W County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>3255</u>					
Depth to top of bed <u>6"</u>	<u>0' - 6"</u>	<u>1' - 6"</u>		<u>P6531</u>	<u>Red - Brown Soil - Shots</u> <u>Top 6" Discarded</u>
Elev. of top of bed _____	<u>1' - 6"</u>	<u>2' - 6"</u>		<u>P6532</u>	<u>Yellowish-Brown</u> <u>No Shots</u>
Thickness of bed _____	<u>2' - 6"</u>	<u>3' - 8"</u>		<u>P6533</u>	<u>Yellowish-Brown</u> <u>No Shots (Dry)</u>
Elev. bottom bed _____					
Depth of hole <u>3' - 8"</u>					
Elev. water table _____					
Bottomed in <u>Limonite?</u>					

Drill used <u>3" auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Libbey</u>					
Mtrl. classfd. by <u>Dole</u>					
Sampler <u>Mason</u>					
Date hole began <u>8-13-47</u>					
Date hole finished <u>8-13-47</u>					
Shifts actually drilled <u>1</u>					

Remarks Hole abandoned when solid rock encountered.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 1 Location _____

SE 1/4 of sec. 25 T. 39S R. 9W County JOSEPHINE

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>3050</u>					
Depth to top of bed <u>-</u>	<u>0'</u>	<u>1'</u>	<u>1'</u>	<u>7425</u> <u>1</u>	<u>BC, 1, 10, 15</u>
Elev. of top of bed <u>-</u>	<u>1</u>	<u>2</u>	<u>1'</u>	<u>7426</u> <u>2</u>	<u>BC, 1, 7, 16</u>
Thickness of bed <u>-</u>	<u>2</u>	<u>3</u>	<u>1'</u>	<u>7427</u> <u>3</u>	<u>BC, 1, 16, 28 CHIPS</u>
Elev. bottom bed <u>-</u>	<u>3</u>	<u>4</u>	<u>1</u>	<u>7428</u> <u>4</u>	<u>BC, 1, 16,</u>
Depth of hole <u>5</u>	<u>4</u>	<u>5</u>	<u>1'</u>	<u>7429</u> <u>5</u>	<u>BC, 1, 16, 28 CHIPS</u>
Elev. water table <u>-</u>					
Bottomed in <u>ROCK</u>					

Drill used <u>2" AUGER</u>					
Number men <u>2</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLF</u>					
Sampler <u>WOLF</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1HR</u>					

Remarks ROCK ENCOUNTERED IN 5 HOLES DRILLED IN VICINITY.
SURFACE SOIL BRICK RED, QUITE A BIT OF SNOW.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 2 Location APPROX 300 S40E FROM HOLE No 1

SE 1/4 of sec. 25 T. 39S R. 9W County JOSEPHINE

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7430	
Depth to top of bed <u>—</u>	0	1	1'	6	DC, 1, 15
Elev. of top of bed <u>—</u>	1	2	1'	7	DC, 1, 16
Thickness of bed <u>—</u>	2	3	1'	8	BC, 1, 16
Elev. bottom bed <u>—</u>	3	4	1'	9	BC, 1, 16 ROCK CHIPS
Depth of hole <u>5'-8"</u>	4	5	1'	10	" " " " "
Elev. water table <u>—</u>	5	5'-8"	8"	11	" " " " "
Bottomed in <u>ROCK</u>					

Drill used <u>2" ALBERT</u>					
Number men <u>5</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 NR</u>					

Remarks 3 HOLES DRILLED IN VICINITY IN EFFORT TO AVOID ROCKS

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 3 Location ABOUT 30 VERTICALLY BELOW HILL TOP, BEND IN JOSEPHINE CR IS N 75° W OF HOLE
of sec. _____ T. _____ R. _____ County JOSEPHINE

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7436	
Depth to top of bed _____	0	1	1	12	C, 1, 15, ROCK CHIPS
Elev. of top of bed _____	1	2	1	13	C, G, Q, 10, 1, 16
Thickness of bed _____	2	3	1	14	BC, R, 4, 16
Elev. bottom bed _____	3	4	1	15	BC, R, 4, 16 ROCK CHIPS
Depth of hole <u>6'-3"</u>	4	5	1	16	BC, R, 4, 6, 16, " "
Elev. water table _____	5	6	1	17	B, R, 4, 6, 16, GARNIERITE CHIPS?
Bottomed in <u>ROCK</u>	6	6'-3"	3"	18	B, R, 4, 6, 16, "

Drill used <u>2" AUGER</u>					
Number men <u>3</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>TONES</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>7/10/48</u>					
Shifts actually drilled <u>1 1/2</u>					

Remarks HOPE ABANDONED UPON HITTING ROCK MINER
APPROXIMATELY NOW VEINLETS OF GARNIERITE OR SOME
OTHER BRIGHT GREEN MINERAL IN IT.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 4 Location _____

of sec. _____ T. _____ R. _____ County JOSEPHINE

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0'	1'	1'	7443 19	DC, 1, 15, 2510,
Elev. of top of bed _____	1'	2'	1'	7444 20	BC, 16, 2510
Thickness of bed _____	2'	3'	1'	7445 21	BC, 16, 2510
Elev. bottom bed _____	3'	4'	1'	7446 22	BC 16, 6, 4, No 10
Depth of hole <u>6'</u>	4'	5'	1'	7447 23	BC 16, 6, 4 " "
Elev. water table _____	5'	6'	1'	7448 24	BC, 16, 6, 4, " " <small>ROCK CHIPS</small>
Bottomed in <u>ROCK</u>					

Drill used <u>2" AUGER</u>					
Number men <u>2</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by _____					
Sampler <u>JONES</u>					
Date hole began <u>7/10/48</u>					
Date hole finished _____					
Shifts actually drilled <u>1 1/2</u>					

Remarks HALF A DOZEN HOLES COLLARED BEFORE GETTING ONE DOWN TO 6'. HOLE LOCATED IN A LITTLE FLAT.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 5 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0'	1'	1'	7449 25	DC, 1, 15 $\frac{25}{10}$
Elev. of top of bed _____	1'	2'	1'	7450 26	BC, 16, $\frac{25}{10}$
Thickness of bed _____	2'	3'	1'	7451 27	BC, 16, 25-10, OPAL CHIPS
Elev. bottom bed _____	3'	4'	1'	7452 28	BC 16, $\frac{25}{10}$ OPAL & SERP CHIPS
Depth of hole <u>6'</u>	4'	5'	1'	7453 29	BC 16 $\frac{25}{10}$ ROCK CHIPS
Elev. water table _____	5'	6'	1'	7454 30	BC $\frac{16}{4, 6, 25-10}$
Bottomed in <u>Rock</u>	6'	7'	1'	7455 31	N, R, 5, 16, 29, $\frac{25}{10}$ ROCK CHIPS
*****	7'	8'	1'	7456 32	N, R, 5, 16, 29, $\frac{25}{10}$ "
Drill used <u>2" AUGER</u>	8'	9'	1'	7457 33	A-N, R, 5, 16, 29, Rock CHIPS
Number men <u>2</u>	9'	10'	1'	7458 34	A-N, R, 5, 16, 29, 30 " "
Engr. in charge <u>MASON</u>	10'	11'	1'	7459 35	RO, 5, 16, 29, 30 " "
Mtrl. classfd. by _____	11'	12'	1'	7460 36	BC, 5, 16, 30, JJ (SERPENTINE)
Sampler <u>JONES</u>					
Date hole began <u>7/10/48</u>					
Date hole finished <u>7/11/48</u>					
Shifts actually drilled <u>2 HR</u>					

Remarks HOLE LOCATED IN CENTER OF FLAT JUST W. OF RIDGE NEAR SADDLE, COLLAR ABOUT 8-10' LOWER THAN RIDGE

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 6 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>-</u>					
Depth to top of bed <u>-</u>	0	1	1'	7461 37	DC, 1, 15, 25-10
Elev. of top of bed <u>-</u>	1	2	1'	7462 38	BC, 1, 16, NO SHOTS
Thickness of bed <u>-</u>	2	3	1'	7463 39	BC, 1, 16, " "
Elev. bottom bed <u>-</u>	3	4	1'	7464 40	BC, 1, 16, " "
Depth of hole <u>5'</u>	4	5	1'	7465 41	BC, 1, 16, ROCK CHIPS
Elev. water table <u>-</u>					
Bottomed in <u>ROCK</u>					

Drill used <u>3" AUGER</u>					
Number men <u>2</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>"</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/11/48</u>					
Date hole finished <u>7/11/48</u>					
Shifts actually drilled <u>2HK</u>					

Remarks 5 OTHER HOLES STARTED IN VICINITY IN ATTEMPT TO
MISS ROCKS

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 1 Location _____

of sec. _____ T. _____ R. _____ County JOSEPHINE

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	7466 42	DC, 1, 8, 15, 25-10
Elev. of top of bed _____	1	2	1'	7467 43	BC, 1, 8, 16, 25-10
Thickness of bed _____	2	3	1'	7468 44	BC, 1, 8, 16, 25-10
Elev. bottom bed _____	3	4	1'	7469 45	BC-F, 5, 9, 15, 25-10
Depth of hole <u>8'-2"</u>	4	5	1'	7470 46	DBC, 1, 7, 16, 25-10
Elev. water table _____	5	6	1'	7471 47	DBC, 1, 7, 16, 25-10
Bottomed in <u>ROCK</u>	6	7	1'	7472 48	DBC, 1, 7, 16, 25-10
*****	7	8'-2"	1'-2"	7473 49	DBC, 4, 6, 16, 25-10
Drill used <u>3" ALGER</u>					
Number men <u>2</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>"</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/12/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>2 HR</u>					

Remarks 2 HOLES STARTED BEFORE GETTING DOWN TO 8'

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK N1
Project

Hole No. 8 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					KEY NO 3
Depth to top of bed _____	0	1'	1	7474 50	DC, 1, 15 25-10
Elev. of top of bed _____	1	2'	1	7475 51	BC, 1, 15 " "
Thickness of bed _____	2	3	1	7476 52	C, 1, 16 " "
Elev. bottom bed _____	3	4	1	7477 53	C, 1, 16 " "
Depth of hole <u>15-2</u>	4	5	1	7478 54	OC, 1, 16 " "
Elev. water table _____	5	6	1	7479 55	OC, 1, 16 " "
Bottomed in <u>Rock</u>	6	7	1	7480 56	OC, F, 16, 4, 6 " "
*****	7	8	1	7481 57	BC, F, K, 16, 4, 6 ROCKCHIPS " "
Drill used <u>3" X 2" AUGER</u>	8	9	1	7482 58	PC, F, 16, 4, 6 " "
Number men <u>3</u>	9	10	1	7483 59	OC, R, K, 16, 4, 6 " "
Engr. in charge <u>MASON</u>	10	11	1	7484 60	BC, R, G, 16, 4, 6 ROCKCHIPS " "
Mtrl. classfd. by <u>WOLFE</u>	11	12	1	7485 61	R, F, JJ, 16, 4, 6 25-10
Sampler <u>JONES</u>	12	13	1	7486 62	R, F, JJ, 16, 4, 6 25-10
Date hole began <u>7/12/48</u>	13	14	1	7487 63	OC, G, GREEN 16, 4, 6 " "
Date hole finished <u>7/13/48</u>	14	15-2	1-2"	7488 64	OC, B, 15 " "
Shifts actually drilled <u>4 HRS</u>					

Remarks HALF ON TOP OF SADDLE 50' S. OF 10' DEEP CUT WHICH HAS SAND CONTAINING GARNIERITE.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MI

Project

Hole No. 9 Location _____

of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7489	
Depth to top of bed _____	0	1	1'	65	C, 5, 8, 16, T
Elev. of top of bed _____	1	2	1'	7490 66	BC, 8, 16, T
Thickness of bed _____	2	3	1'	7491 67	DC, 2-4, 7, 16
Elev. bottom bed _____	3	4	1'	7492 68	DC, T, R, 4, 16
Depth of hole <u>5'</u>	4	5	1'	7493 69	BC, T, 4, 8, 16
Elev. water table _____					
Bottomed in <u>ROCK</u>					

Drill used <u>2" AUGER</u>					
Number men <u>3</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/13/48</u>					
Date hole finished <u>7/13/48</u>					
Shifts actually drilled <u>LHR</u>					

Remarks HOLE LOCATED ~~ON~~ ON RIDGE TOP. AND ABOUT 6' BELOW
IS. FOUR OTHER HOLES ATTEMPTED IN GENERAL VICINITY

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 10 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar							
Depth to top of bed			0	1	1'	^{p-7494} 70	DC, 1, 15, $\bar{25-10}$
Elev. of top of bed			1	2	1'	7495 71	DBC, $\bar{16}$, $\bar{25-10}$
Thickness of bed			2	3	1'	7496 72	BC, 5, $\bar{16}$, 8, $\bar{25-10}$
Elev. bottom bed			3	4	1'	7497 73	C, 4, $\bar{16}$, 8
Depth of hole <u>10</u>			4	5	1'	7498 74	C, 4, $\bar{16}$, 8
Elev. water table			5	6	1'	7499 75	OC, 4, $\bar{16}$, 8
Bottomed in <u>ROCK</u>			6	7	1'	7500 76	OC, 4, $\bar{16}$, 8
*****			7	8	1'	7501 77	OC, 4, $\bar{16}$, 5, ROCK CHIPS
Drill used <u>2" AUGER</u>			8	9	1'	7502 78	OC, 4, $\bar{16}$, 8, WEATHERED, ROCK $\bar{25-10}$
Number men <u>3</u>			9	10	1'	7503 79	BC, $\bar{16}$, 5, ROCK CHIPS
Engr. in charge <u>MASON</u>							
Mtrl. classfd. by <u>WOLFE</u>							
Sampler <u>JONES</u>							
Date hole began <u>7/13/48</u>							
Date hole finished _____							
Shifts actually drilled _____							

Remarks HOLE ON RIDGE TOP

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 11 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	"	^p 7504 80	DC, 1, 7, 15 $\frac{25}{25}$ -10
Elev. of top of bed _____	1	2	"	7505 81	DBC, 1, 7, 16 $\frac{25}{25}$ -10
Thickness of bed _____	2	3	"	7506 82	DBC, 1, 7, 16 25-10
Elev. bottom bed _____	3	4	"	7507 83	DBC, 4, 7, 16 25-10
Depth of hole <u>10'-6"</u>	4	5	"	7508 84	DBC, 4, 7, 16 $\frac{25}{25}$ -10
Elev. water table _____	5	6	"	7509 85	00-0-C, 4, 7, 16 ^{ROCK} $\frac{25}{25}$ -10 _{CHIPS}
Bottomed in <u>ROCK</u>	6	7	"	7510 86	00-0-5, 8, 16 " $\frac{25}{25}$ -10
*****	7	8	"	7511 87	P-00-C, 5, 16 " $\frac{25}{25}$ -10
Drill used <u>3" AUGER</u>	8	9	"	7512 88	P-00, 5, 16 " $\frac{25}{25}$ -10
Number men <u>3</u>	9	10	"	7513 89	P-00 5, 16 " $\frac{25}{25}$ -10
Engr. in charge <u>MASON</u>	10	10-6"	0'-6"	7514 90	P-00, 5, 16 " $\frac{25}{25}$ -10
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/14/48</u>					
Date hole finished <u>7/15/48</u>					
Shifts actually drilled <u>1/2</u>					

Remarks HOLE ON RIDGE TOP. CONSIDERABLE AREA OF
FLAT LYING GROUND TO W. & N. WITH A LITTLE TO
THE S.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 12 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					KEY 3
Depth to top of bed _____	0	1	1'	7515 91	DC, I, 7, 15 25-10
Elev. of top of bed _____	1	2	1'	7516 92	C, I, 7, 16 "
Thickness of bed _____	2	3	1'	7517 93	C, I, 7, 16 25-10
Elev. bottom bed _____	3	4	1'	7518 94	C, I, 7, 16 "
Depth of hole <u>16'</u>	4	5	1'	7519 95	C, I, 7, 16 "
Elev. water table _____	5	6	1'	7520 96	BC, 4, 7, 16, B, 25-10
Bottomed in <u>Rock</u>	6	7	1'	7521 97	BC, 4, 7, 16, B, T 25-10
*****	7	8	1'	7522 98	C, I, T, 7, 16, G 25-10
Drill used <u>3" AUGER</u>	8	9	1'	7523 99	QC, T, 7, 16, L, G "
Number men <u>3</u>	9	10	1'	7524 100	QC, T, G, H, F, 7, 6, 16 25-10
Engr. in charge <u>MASON</u>	10	11	1'	7525 101	QBC, T, G, H, 7, 6, 16 25-10
Mtrl. classfd. by <u>WOLFE</u>	11	12	1'	7526 102	N, T, G, H, 7, 16 25-10
Sampler <u>JONES</u>	12	13	1'	7527 103	N, J, I, G, K, 7, 16 25-10
Date hole began <u>7/15/48</u>	13	14	1'	7528 104	N, J, I, G, K, 7, 16, H "
Date hole finished _____	14	15	1'	7529 105	N, G, K, 7, 16, H "
Shifts actually drilled _____	15	16	1'	7530 106	P-00, F, G, H, K, L, T, 5, B, 16 25-10

Remarks HOLE ON W. SIDE OF RIDGE, ABOUT 20 LOWER THAN RIDGE. LARGER LATERITIC, FLAT-LYING AREA SURROUNDS HOLE.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 13 Location _____

of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	7531 107	DC, 1, 16
Elev. of top of bed _____	1	2	1'	7532 108	BC, 1, 16
Thickness of bed _____	2	3	1'	7533 109	BC, 1, 16
Elev. bottom bed _____	3	4	1'	7534 110	BC, 1, I, 16
Depth of hole <u>8'-6"</u>	4	5	1'	7535 111	BC, I, G, F, 4, 16
Elev. water table _____	5	6	1'	7536 112	BC, I, T, 4, 16
Bottomed in <u>ROCK</u>	6	7	1'	7537 113	BC, R, I, 8, 16
*****	7	8	1'	7538 114	BC, 8, 16
Drill used <u>3" AUGER</u>	8	8'-6"	0'-6"	7539 115	BC, 9, 16 <small>ROCK CHIPS</small>
Number men <u>3</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLEE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/15/48</u>					
Date hole finished _____					
Shifts actually drilled <u>1/2 HR</u>					

Remarks HOLE IN MIDDLE OF LARGE, FLAT LYING AREA JUST SOUTH OF SADDLE.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 14 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	^A 7540 116	DC, 1, 15
Elev. of top of bed _____	1	2	1'	7541 117	DBC, 1, 16
Thickness of bed _____	2	3	1'	7542 118	DBC, 1, 16, ^{ROCK} CHIPS 27?
Elev. bottom bed _____					
Depth of hole <u>3'</u>					
Elev. water table _____					
Bottomed in <u>ROCK</u>					

Drill used <u>3" AUGER</u>					
Number men <u>3</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/15/48</u>					
Date hole finished <u>7/15/48</u>					
Shifts actually drilled <u>1/2 HR</u>					

Remarks SIX OTHER HOLES PUT DOWN IN THIS AREA IN
ATTEMPT TO AVOID ROCKS

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

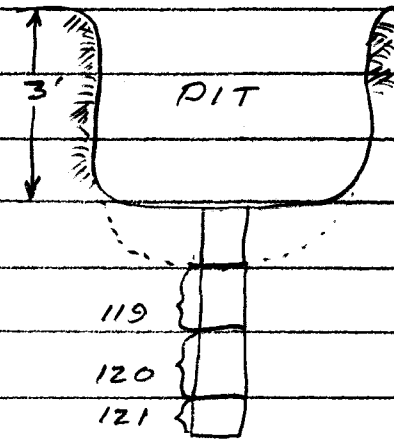
Hole No. 15 Location LOCATION CUT, YELLOW BIRD CLAIM

of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	NOT TAKEN	-	DC (PROBABLY SLUMP)
Elev. of top of bed _____	1	2	1'	P. 7543 119	BC, 4, 16
Thickness of bed _____	2	3	1'	7544 120	BC, 4, 5, 16
Elev. bottom bed _____	3	3'-6"	0-6"	7545 121	BC, 5, 16 ROCK CHIPS
Depth of hole <u>3'-6"</u>					
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>3" AUGER</u>					
Number men <u>3</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/16/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1HR</u>					



Remarks HOLE COLLARED IN FLOOR OF PIT. FIRST FOOT NOT SAMPLED SINCE IT WAS APPARENTLY SLUMP MTL.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 16 Location NEAR 210" PINE IN "SUNKEN VALLEY"

of sec. _____ T. _____ R. _____ County _____

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7546	
Depth to top of bed			0	1	1'	122	DC, 1, 7, 15
Elev. of top of bed			1	2	1'	7547 123	DC, 1, 7, 15
Thickness of bed			2	3	1'	7548 124	BDC, 1, 7, 16
Elev. bottom bed			3	4	1'	7549 125	BDC, 1, 7, 16
Depth of hole <u>15-6'</u>			4	5	1'	7550 126	BDC, 4, 8, 16 ^{ROCK CHIPS}
Elev. water table <u>15' (?)</u>			5	6	1'	7551 127	BDC, 4, 7, 16, F ²
Bottomed in <u>ROCK</u>			6	7	1'	7552 128	BDC, 4, 7, 16, F ² ^{ROCK CHIPS}
*****			7	8'	1'	7553 129	BDC, 4, 7, 16, F
Auger used <u>3" AUGER</u>			8'	9'	1'	7554 130	B-00-C, 4, 7, 16, G, 30
Number men <u>3</u>			9'	10'	1'	7555 131	00-B-C, 4, 6, 7, 16, 30
Engr. in charge <u>MASON</u>			10	11	1'	7556 132	00-B-C, 4, 6, 7, 16, U,
Mtrl. classfd. by <u>WOLFE</u>			11	12	1'	7557 133	00-B-C, 4, 6, 7, 16, U, F, G, H, I
Sampler <u>JONES</u>			12	13	1'	7558 134	00-B-C, 4, 6, 7, 16, U, G, H, Z
Date hole began <u>7/16/48</u>			13	14	1'	7559 135	00-C-D, 4, 5, 7, 16, U, 30
Date hole finished <u>7/16/48</u>			14	15	1'	7560 136	00-P-C, 4, 5, 8, 16, U, 30, 28
Shifts actually drilled <u>2 HRS</u>			15	15'-0"	1'	7561 137	00-P-C, 4, 5, 8, 16, U, 30

Remarks _____

HOLE	% H1	% Gr203	Depth	Why Abandoned
1	1.04	2.32	5'	Hit rock
2	0.94	2.33	5' 8"	" "
3	0.78	1.65	6' 3"	" "
4	1.41	3.74	6'	" "
5	0.90	2.01	6'	" "
6	0.91	2.35	5'	" "
7	1.20	4.12	8' 2"	" "
8	1.51	3.72	15' 2"	" "
9	0.63	1.06	5'	" "
10	0.81	1.61		" "
11	0.59	1.27	10' 6"	" "
12	0.60	1.82	16'	" "
13	1.12	1.67	8' 6"	" "
14	0.75	2.10	3'	" "
15	1.41	1.05	3' 6"	" "
16	1.16	2.20	15' 6"	" "

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 1 Location _____

SE 1/4 of sec. 25 T. 39S R. 9W County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>3050</u>					
Depth to top of bed <u>-</u>	<u>0'</u>	<u>1'</u>	<u>1'</u>	<u>7425</u> <u>1</u>	<u>dry.</u> <u>Light yellow brown, earthy, shots,</u>
Elev. of top of bed <u>-</u>	<u>1</u>	<u>2</u>	<u>1'</u>	<u>7426</u> <u>2</u>	<u>soft, damp.</u> <u>Yellow brown, earthy, slightly</u>
Thickness of bed <u>-</u>	<u>2</u>	<u>3</u>	<u>1'</u>	<u>7427</u> <u>3</u>	<u>dunite chips.</u> <u>Yellow brown, earthy, damp,</u>
Elev. bottom bed <u>-</u>	<u>3</u>	<u>4</u>	<u>1</u>	<u>7428</u> <u>4</u>	<u>Yellow brown, earthy damp.</u>
Depth of hole <u>5</u>	<u>4</u>	<u>5</u>	<u>1'</u>	<u>7429</u> <u>5</u>	<u>dunite chips.</u> <u>Yellow brown, earthy, damp,</u>
Elev. water table <u>-</u>					
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
Number men <u>2</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Wolfe</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 hr.</u>					

Remarks Rock encountered in 5 holes drilled in vicinity.

Surface soil brick red, quite a bit of shots.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 2 Location Approximately 300 S40E from Hole No. 1

SE 1/4 of sec. 25 T. 39S R. 9W County Josephine

Coord. N. E.

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u> </u>				7430	
Depth to top of bed <u>-</u>	0	1	1'	6	Red brown, earthy, dry.
Elev. of top of bed <u>-</u>	1	2	1'	7431 7	Dark red brown, earthy, damp.
Thickness of bed <u>-</u>	2	3	1'	7432 8	Dark yellow brown, earthy, damp.
Elev. bottom bed <u>-</u>	3	4	1'	7433 9	Yellow brown, earthy, damp, rock chips.
Depth of hole <u>5' - 8"</u>	4	5	1'	7434 10	Yellow brown, earthy, damp, rock chips.
Elev. water table <u>-</u>	5	5' - 8"	8"	7435 11	Yellow brown, earthy, damp, rock chips.
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
<u>Jones</u>					
Number men <u>Wolfe, Mason, &</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 hr.</u>					

Remarks 3 holes drilled in vicinity in effort to avoid rocks.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 3 Location About 30 vertically below hilltop, bend in Josephine Creek is
N. 75°W. of hole.

of sec. T. R. County Josephine

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7436	
Depth to top of bed			0	1	1	12	Brown, earthy, dry, rock chips.
Elev. of top of bed			1	2	1	13	earthy, damp.
Thickness of bed			2	3	1	14	Brown, yellow spots, black shots,
Elev. bottom bed			3	4	1	15	Yellow brown, black, clayey, damp.
Depth of hole	<u>6' - 3"</u>		4	5	1	16	damp, rock chips.
Elev. water table			5	6	1	17	Yellow brown, varicolored, clayey,
Bottomed in	<u>Rock</u>		6	6'-3"	3"	18	damp, rock chips.

Drill used	<u>2" Auger</u>						
Number men	<u>3</u>						
Engr. in charge	<u>Mason</u>						
Mtrl. classfd. by	<u>Wolfe</u>						
Sampler	<u>Jones</u>						
Date hole began	<u>7/9/48</u>						
Date hole finished	<u>7/10/48</u>						
Shifts actually drilled	<u>1½ hrs.</u>						

Remarks Hole abandoned upon hitting rock which apparently had veinlets of garnierite or
some other bright green mineral in it.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MOUNTAIN Ni.

Project

Hole No. 4 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7443	magnetic, shots.
Depth to top of bed _____	x 0'	1'	1'	19	Red brown, earthy, dry, few
Elev. of top of bed _____	1'	2'	1'	7444 20	magnetic, shots. Yellow brown, slightly damp, few
Thickness of bed _____	x 2'	3'	1'	7445 21	magnetic, shots. Yellow brown, damp, Very few
Elev. bottom bed _____	3'	4'	1'	7446 22	clayey, shots. Yellow brown, damp, plastic,
Depth of hole <u>6'</u>	x 4'	5'	1'	7447 23	clayey, shots. Yellow brown, very damp, plastic,
Elev. water table _____	5'	6'	1'	7448 24	clayey, shots, rock chips. Yellow brown, very damp, plastic,
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
Number men <u>2</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>"</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/10/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 1/2 hr.</u>					

Remarks Half a dozen holes collared before getting one down to 6'. Hole located in a little flat.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 5 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7449	magnetic shots.
Depth to top of bed _____	0'	1'	1'	25	Red brown, earthy, dry, few
Elev. of top of bed _____	1'	2'	1'	7450 26	few magnetic shots. Yellow brown, slightly damp, very
Thickness of bed _____	2'	3'	1'	7451 27	opal chips. Yellow brown, damp, magnetic shots,
Elev. bottom bed _____	3'	4	1'	7452 28	shots, serpentine & opal chips. Yellow brown, damp, few magnetic
Depth of hole <u>6'</u>	4	5	1'	7453 29	magnetic chips, rock chips. Yellow brown, very damp, few
Elev. water table _____	5	6	1'	7454 30	few magnetic shots. Yellow brown, very damp, plastic,
Bottomed in <u>Rock</u>	6	7	1'	7455 31	Olive drab, varicolored, gritty, slightly damp, few asbestos, very
*****					few magnetic shots, rock chips.
Drill used <u>2" Auger</u>	7	8	1'	7456 32	Olive drab, varicolored, gritty, slightly damp, few asbestos, very
Number men <u>2</u>					few magnetic shots, rock chips.
Engr. in charge <u>Mason</u>	8	9	1'	7457 33	damp, asbestos, rock chips. Tan-olive drab, varicolored, gritty,
Mtrl. classfd. by <u>"</u>	9	10	1'	7458 34	damp, asbestos, calcedony, rock ch Tan-olive drab, varicolored, gritty,
Sampler <u>Jones</u>	10	11	1'	7459 35	asbestos, calcedony, rock chips. Blue-gray, gritty, slightly damp,
Date hole began <u>7/10/48</u>	11	12	1'	7460 36	calcedony, green spots (serp.). Yellow brown, gritty, very damp,
Date hole finished <u>7/11/48</u>					
Shifts actually drilled <u>3 hrs.</u>					

Remarks Hole located in center of flat just west of ridge near saddle. Collar about
8-10' lower than ridge.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 6 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

		From	To	Thickness of sample	Sample No.	Description
Elev. collar	<u>-</u>				7461	magnetic shots.
Depth to top of bed	<u>-</u>	0	1	1'	37	Red brown, earthy, dry, very few damp, no shots.
Elev. of top of bed	<u>-</u>	1	2	1'	7462 38	Yellow brown, earthy, slightly damp, no shots.
Thickness of bed	<u>-</u>	2	3	1'	7463 39	Yellow brown, earthy, slightly damp, no shots.
Elev. bottom bed	<u>-</u>	3	4	1'	7464 40	Dark yellow brown, earthy, slightly
Depth of hole	<u>5'</u>	4	5	1'	7465 41	Dark yellow brown, damp, rock chips
Elev. water table	<u>-</u>					
Bottomed in	<u>Rock</u>					

Drill used	<u>3" Auger</u>					
Number men	<u>2</u>					
Engr. in charge	<u>Mason</u>					
Mtrl. classfd. by	<u>"</u>					
Sampler	<u>Jones</u>					
Date hole began	<u>7/11/48</u>					
Date hole finished	<u>"</u>					
Shifts actually drilled	<u>2 hrs.</u>					

Remarks 5 other holes started in vicinity in attempt to miss rocks.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 7 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7466	magnetic shots.
Depth to top of bed _____	0	1	1'	42	Red brown, earthy, firm, dry,
Elev. of top of bed _____	1	2	1'	7467 43	slightly damp, few magnetic shots. Yellow brown, earthy, firm,
Thickness of bed _____	2	3	1'	7468 44	slightly damp, few magnetic shots. Light yellow brown, earthy, firm,
Elev. bottom bed _____	3	4	1'	7469 45	gritty, hard, dry, few magn. shots Light yellow brown, white spots,
Depth of hole <u>8' - 2"</u>	4	5	1'	7470 46	slightly damp, very few magn. shot Red yellow brown, earthy, soft,
Elev. water table _____	5	6	1'	7471 47	slightly damp, very few magn. shot Red yellow brown, earthy, soft,
Bottomed in <u>Rock</u>	6	7	1'	7472 48	damp, very few magnetic shots. Red yellow brown, earthy, soft,
*****	7	8 - 2"	1'-2"	7473 49	very damp, very few magn. shots. Red yellow brown, clayey, plastic.
Drill used <u>3" Auger</u>					
Number men <u>2</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>"</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/12/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>2 hrs.</u>					

Remarks 2 holes started before getting down to 8'.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 8 Location _____

_____ of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7474	magnetic shots.
Depth to top of bed _____	0	1'	1	50	Red brown, earthy, dry,
Elev. of top of bed _____	1	2'	1	7475 51	magnetic shots. Yellow brown, earthy, dry,
Thickness of bed _____	2	3	1	7476 52	magnetic shots. Brown, earthy, slightly damp,
Elev. bottom bed _____	3	4	1	7477 53	shots. Brown, earthy, damp, magnetic
Depth of hole <u>15-2</u>	4	5	1	7478 54	magnetic shots. Light grey brown, earthy, damp,
Elev. water table _____	5	6	1	7479 55	magnetic shots. Grey brown, earthy, damp,
Bottomed in <u>Rock</u>	6	7	1	7480 56	clayey, plastic, magnetic shots. Grey brown, white spots, damp,
*****	7	8	1	7481 57	clayey, plas., rock ch. magn. shots. Yel. br., white & blue spots, damp,
Drill used <u>3" & 2" Auger</u>	8	9	1	7482 58	clayey, plastic, magnetic shots. Blue brown, white spots, damp,
Number men <u>3</u>	9	10	1	7483 59	damp, clayey, plas., magn. shots. Grey brown, varicol., dark bl. spots
Engr. in charge <u>Mason</u>	10	11	1	7484 60	clayey, plas., magn. shots. Yel. br., varicol. yel. spots, damp,
Mtrl. classfd. by <u>Wolfe</u>	11	12	1	7485 61	Varicol., wh. spots, green spots, very damp, clayey, plastic, few magnetic shots.
Sampler <u>Jones</u>				7486 62	Varicol., wh. & gr. spots, very damp, clayey, plastic, few magnetic shots.
Date hole began <u>7/12/48</u>	12	13	1	7487 63	Gr. br., yel. spots, rock chips, blue spots, green, damp, clayey, plastic, few magnetic shots.
Date hole finished <u>7/13/48</u>				7488 64	Light grey brown, firm, dry, few rock chips, few magnetic shots.
Shifts actually drilled <u>4 hrs.</u>	13	14	1		
Remarks _____	14	15-2	1-2"	64	Light grey brown, firm, dry, few rock chips, few magnetic shots.

Holes on top of saddle 50' S. of 10' deep cut which has seam containing
garnierite.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 9 Location _____

_____ of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	7489 65	damp, mottled. Brown, gritty, firm, slightly
Elev. of top of bed _____	1	2	1'	7490 66	damp, mottled. Dark yellow brown, firm, slightly
Thickness of bed _____	2	3	1'	7491 67	soft, slightly damp. Red brown, sandy-clayey, slightly
Elev. bottom bed _____	3	4	1'	7492 68	clayey, slightly damp. Red brown, mottled, varicolored,
Depth of hole <u>5'</u>	4	5	1'	7493 69	firm, slightly damp. Yellow brown, mottled, clayey,
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/13/48</u>					
Date hole finished <u>7/13/48</u>					
Shifts actually drilled <u>1 hr.</u>					

Remarks Hole located on ridge top. Four other holes attempted in general vicinity.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 10 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7494	magnetic shots.
Depth to top of bed _____	0	1	1'	70	Red brown, earthy, dry, very few few magnetic shots.
Elev. of top of bed _____	1	2	1'	71	Red yellow brown, slightly damp, damp, few magnetic shots.
Thickness of bed _____	2	3	1'	72	Dark yellow brown, gritty, slightly
Elev. bottom bed _____	3	4	1'	73	Brown, clayey, slightly damp, firm.
Depth of hole <u>10'</u>	4	5	1'	74	Brown, clayey, slightly damp, firm.
Elev. water table _____	5	6	1'	75	Grey brown, clayey, slightly damp, firm.
Bottomed in <u>Rock</u>	6	7	1'	76	Grey brown, clayey, slightly damp, gritty, rock chips.
*****	7	8	1'	77	Grey brown, clayey, slightly damp, firm, weathered rock, few magn. sh
Drill used <u>2" Auger</u>	8	9	1'	78	Grey brown, clayey, slightly damp, rock chips.
Number men <u>3</u>	9	10	1'	79	Yellow brown, slightly damp, gritty
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/13/48</u>					
Date hole finished _____					
Shifts actually drilled _____					

Remarks Hole on ridge top.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 11 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7504	few magnetic shots.
Depth to top of bed _____	0	1	1'	80	Red brown, earthy, soft, dry, slightly damp, few magnetic shots.
Elev. of top of bed _____	1	2	1'	7505 81	Red yellow brown, earthy, soft, slightly damp, magnetic shots.
Thickness of bed _____	2	3	1'	7506 82	Red yellow brown, earthy, soft, soft, damp, magnetic shots.
Elev. bottom bed _____	3	4	1'	7507 83	Red yellow brown, slightly clayey, damp, few magnetic shots.
Depth of hole <u>10' - 6"</u>	4	5	1'	7508 84	Red yellow brown, clayey, soft, damp, rock chips, few magn. shots.
Elev. water table <u>-</u>	5	6	1'	7509 85	Green grey brown, clayey, soft, damp, rock chips, few magn. shots.
Bottomed in <u>Rock</u>	6	7	1'	7510 86	Green grey, gritty, firm, slightly rock chips, very few magn. shots.
*****	7	8	1'	7511 87	Blue green brown, gritty, damp, rock chips, few magnetic shots.
Drill used <u>3" Auger</u>	8	9	1'	7512 88	Blue green, gritty, slightly damp, rock chips, few magnetic shots.
Number men <u>3</u>	9	10	1'	7513 89	Blue green, gritty, slightly damp, rock chips, few magnetic shots.
Engr. in charge <u>Mason</u>	10	10-6"	0'-6"	7514 90	Blue green, gritty, slightly damp, rock chips, few magnetic shots.
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/14/48</u>					
Date hole finished <u>7/15/48</u>					
Shifts actually drilled <u>1/2</u>					

Remarks Hole on ridge top. Considerable area of flat lying ground to west and north with a little to the south.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 12 Location _____of sec. _____ T. _____ R. _____ County Josephine

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7515	very few magnetic shots.
Depth to top of bed			0	1	1'	91	Red brown, earthy, soft, dry,
Elev. of top of bed			1	2	1'	7516 92	very few magnetic shots. Brown, earthy, soft, slightly damp,
Thickness of bed			2	3	1'	7517 93	shots. Brown, earthy, soft, damp, magnetic
Elev. bottom bed			3	4	1'	7518 94	shots. Brown, earthy, soft, damp, magnetic
Depth of hole	<u>16'</u>		4	5	1'	7519 95	shots. Brown, earthy, soft, damp, magnetic
Elev. water table			5	6	1'	7520 96	soft, damp, bl. sps., few mag. shot Dk. yellow br., slightly clayey,
Bottomed in	<u>Rock</u>		6	7	1'	7521 97	bl. spots, mottled, very few m. sh. Dk. yel. brown, clayey, soft, damp,
	*****		7	8	1'	7522 98	soft, damp, plas., few magn. shots. Dk. brown, bl. spots, slightly mott.
Drill used	<u>3" Auger</u>		8	9	1'	7523 99	orange spots, plastic, few m. shot; Bl. br., slightly mottled, soft, damp
Number men	<u>3</u>		9	10	1'	7524 100	spots, soft, pl., damp, magn. shot; Bl. br., mottled, yellow-red-white-
Engr. in charge	<u>Mason</u>		10	11	1'	7525 101	spots, soft, pl. damp, few m. shot; Bl. yel. br., mottled, yellow-red
Mtrl. classfd. by	<u>Wolfe</u>		11	12	1'	7526 102	spots, soft, damp, magnetic shots. Olive drab, mottled, yellow-red
Sampler	<u>Jones</u>		12	13	1'	7527 103	soft, damp, few magnetic shots. Olive drab, green-yellow-blue spots
Date hole began	<u>7/15/48</u>		13	14	1'	7528 104	soft, damp, few magnetic shots. Olive drab, green-yellow-blue spots
Date hole finished			14	15	1'	7529 105	soft, damp, few magnetic shots. Olive drab, yellow-blue-red spots
Shifts actually drilled			15	16	1'	7530 106	soft, damp, few magnetic shots. Blue-green, white-yellow-red-blue-
Remarks	orange spots, mottled, gritty, very firm, damp, very few magnetic shots.						

Hole on west side of ridge about 20 lower than ridge. Large lateritic, flat-
lying area surrounds hole.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 13 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7531	
Depth to top of bed _____	0	1	1'	107	Red brown, earthy, damp.
Elev. of top of bed _____	1	2	1'	7532 108	Yellow brown, earthy, damp.
Thickness of bed _____	2	3	1'	7533 109	Yellow brown, earthy, damp.
Elev. bottom bed _____	3	4	1'	7534 110	Yellow brown, earthy, black spots, damp.
Depth of hole <u>8' - 6"</u>	4	5	1'	7535 111	Yellow & white spots, clayey, damp.
Elev. water table _____	5	6	1'	7536 112	Light yellow brown, black spots, clayey damp.
Bottomed in <u>Rock</u>	6	7	1'	7537 113	Light yellow brown, mottled, clayey spots, firm, slightly damp.
*****	7	8	1'	7538 114	Yellow brown, varicolored, black damp.
Drill used <u>3" Auger</u>	8	8' - 6"	0' - 6"	7539 115	Light yellow brown, firm, slightly damp, rock chips.
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/15/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1/2 hr.</u>					

Remarks Hole in middle of large flat lying area just south of saddle.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MOUNTAIN Ni.
Project

Hole No. 14 Location _____

_____ of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	7540 116	Red brown, earthy, dry.
Elev. of top of bed _____	1	2	1'	7541 117	damp. Red yellow brown, earthy, slightly
Thickness of bed _____	2	3	1'	7542 118	damp, rock chips Red yellow brown, earthy, slightly
Elev. bottom bed _____					
Depth of hole <u>3'</u>					
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>3" Auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/15/48</u>					
Date hole finished <u>7/15/48</u>					
Shifts actually drilled <u>1/2 hr.</u>					

Remarks Six other holes put down in this area in attempt to avoid rocks.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MOUNTAIN N1.

Project

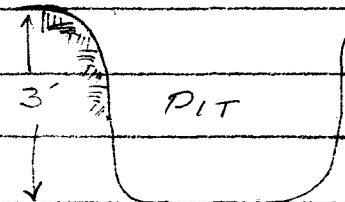
Hole No. 15 Location Location cut, Yellow Bird Claim

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____			Not Taken	-	
Depth to top of bed _____	0	1			Red brown, (probably slump)
Elev. of top of bed _____	1	2	1'	7543 119	Yellow brown, clayey, damp.
Thickness of bed _____	2	3	1'	7544 120	gritty, damp.
Elev. bottom bed _____	3	3'6"	0-6"	7545 121	Yellow brown, clayey, slightly chips.
Depth of hole <u>3' - 6"</u>					
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>3" Auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/16/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 hr.</u>					



Remarks Hole collared in floor of pit. First foot not sampled since it was apparently slump material.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 16 Location Near 20" pine in "Sunken Valley"of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7546	
Depth to top of bed _____	0	1	1'	122	Red brown, earthy, soft, dry.
Elev. of top of bed _____	1	2	1'	7547 123	Red brown, earthy, soft, dry.
Thickness of bed _____	2	3	1'	7548 124	soft, slightly damp. Dark yellow, red brown, earthy,
Elev. bottom bed _____	3	4	1'	7549 125	soft, slightly damp. Dark yellow, red brown, earthy,
Depth of hole <u>15 - 6"</u>	4	5	1'	7550 126	firm, slightly damp, rock chips. Yellow red brown, slightly clayey,
Elev. water table <u>15' (?)</u>	5	6	1'	7551 127	slightly damp, few white spots. Yellow red brown, clayey, soft,
Bottomed in <u>Rock</u>	6	7	1'	7552 128	damp, few white spots, rock chips. Yellow red brown, clayey, soft,
*****	7	8'	1'	7553 129	damp, white spots. Yellow red brown, clayey, soft,
Drill used <u>3" Auger</u>	8'	9'	1'	7554 130	damp, plastic, calcedony Yellow green brown, clayey, soft,
Number men <u>3</u>	9'	10'	1'	7555 131	very soft, vy. damp, calcedony. Green yellow brown, clayey, plas.,
Engr. in charge <u>Mason</u>	10	11	1'	7556 132	soft, vy. damp, spotted. Green yel. br., clayey, plas., vy.
Mtrl. classfd. by <u>Wolfe</u>	11	12	1'	7557 133	sft, vy dmp, spo., wh yel rd bl. Green yel. br., clay., vy. pl., vy
Sampler <u>Jones</u>	12	13	1'	7558 134	sft, vy dmp, spo., wh yel rd bl. Green yel. br., clay., vy. pl., vy
Date hole began <u>7/16/48</u>	13	14	1'	7559 135	vy. dmp, spotted, calcedony. Green br rd., clay., sl. grit., sft
Date hole finished <u>"</u>	14	15	1'	7560 136	sl. fm, vy dmp, sp., calc, dunitite. Green bl. br., clay., sl. gritty,
Shifts actually drilled <u>2 hrs.</u>	15	15'-6"	1'	7561 137	firm, vy damp, spotted, calcedony. Green bl. br., clayey, sl. gritty,

Remarks _____

Topographer
Rodman

Checked by
Recorder

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	A2	13	440		440	63	+57.2	-7.2	+50	3085.80	3135.8	
2		14	370		370	62	+44.4	-7.9	+40		3125.8	
3		A3	580	-	580	57	+40.6	-8.2	+32.4	^{3118.20} 3121.70	3118.20	A3
4	A3	15	105	-	105	67	+18	-1.04	+17	3121.70	3138.7	CUT 12x8x6
5	A3	A4	340	97	336	67	+57.8	-9.4	+48.4		3170.10	A4 Top Edge
6	A3	16	700	95	665	29	-147	-12	-159		2962.7	16
7	"	17	530	94	500	27	-131.9	-7.5	-129.4		2992.3	17
8	"	18	460	95	437	28	-101.2	-6.2	-107.4		3014.3	CUT 12x7x4
9	"	19	410	97	400	33	-69.7	-8.4	-78.1		3043.6	19
10	"	A5	710	-	710	48	-14.2	-1.0	-15.2	^{3106.50} 315	3106.50	A5
11	A5	20	490	95	465	29	-102.9	-5.3	-108.2	3110.0	3002.2	20
12	"	21	330	97	327	35	-49.5	-12	-61.5		3048.5	21
13		A6	700	-	700	56	+42.0	-7	+35.0		3145.0	A6
14		22	320	98	314	64	+44.8	-9.5	+35.3		3145.3	22

AFD -36

Topographer R.S. MASON
Rodman I. JONES

Checked by
Recorder

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	A1	G.M.I 120	145	-	145	41	-13.05	-10.4	-23.45	3097.95	3070	Rock Outcrop
2		1	310	-	310	42	-24.8	-10.1	-34.9		3058	EDGE
3	A1	A2	290	-	290	50	-	-11.15	-11.15		3082.50	A2
4	A1	2	270	-	270	62	+32.40	-11.5	+20.90		3124.35	
5	A1	3	140	-	140	53	+4.2	-8	-3.8		3082.65	3
6	A2	4	270	-	270	45	-13.5	-11.7	-25.2	3085.80	3060.60	D.HOLE #1
7		5	465		460	38	-10.4	-55.80	-66.20		3019.6	" " 2
8		6	640		635	39	-70.4	-6.5	-76.90		3008.9	EDGE
9		7	500		495	40	-50	-1	-51		3034.8	"
10		8	330		330	43	-26.6	-7.5	-34.1		3021.7	
11		9	295		295	40	-29.5	-9.2	-39.7		3047.1	
12		10	385		385	45	-12.5	-11.6	-30.9		3055	

Topographer Rodman Checked by _____ Recorder _____

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1		23	140	96	136	63	+25.2	-3.2	+22.0	3110	3132	
2		24	225	98	220	62	+27.0	-9.3	+17.7		3127.7	D.HOLE 16
3		25	580	98	558	62	+69.6	-4.0	+65.6		3175.6	25
4	Δ4	26	160		160	55	+8.0	-10.8	-2.8	3170.10 3173.62	3170.8	26
5		27	260	-	260	46	+0.4	-11	-21.4		3149.4	27
6	Δ1	Δ7	275	-	275	59	+24.75	-8.2	+16.55	3092.5 3093.50 3110.05	3110.05	Δ 76-A
7	Δ6-A	28	150	96	145	30	-29	-11	-40	3113.55	3073.55	28
8	"	29	235	91	230	35	-34.5	-8.2	-42.7		3070.85	D.HOLE 3
9	"	Δ7	390	-	390	49	-3.9	-5.5	-9.4		3104.15	Δ7
10	Δ7	30	320	94	300	27	-73.2 -69	-10.5	-72.5	3104.15 3107.65	3028.15	30 CUT
11	"	31	280	96	275	32	-77	-6.8	-83.8		3023.85	CUT
12	"	Δ8	400	-	400	51	+4	-5.5	-1.5		3106.15	Δ8
13	Δ8	32	240	97	235	33	-40.8	-9.0	-49.8	3106.15 3109.65	3059.85	32
14		33	280	-	280	50	-	-4.0	-4.0		3105.65	33

AFD -36 200 20 500 60 -7.6

Topographer Rodman Checked by _____ Recorder _____

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	Δ8	Δ9	610	99	605	60	+61.0	-7.6	+53.4	3109.65	3163.05	Δ9
2	Δ9	34	190		190	57	+13.3	-5.5	+7.8	3166.55	3174.3	34
3			225		225	66	+36.0	-6.5	+29.5		3196	
4			120	94	115	26	-23.8	-4.5	-32.3		3133	
5			200	-	200	50	-	-7.0	-7		3159	
6			600	98	588	64	+84	-11.1	+72.9		3239.45	Δ10
7	Δ10	35	225	-	225	47	-6.7	-7.7	-14.4	3239.45 3242.95	3229	D.HOLE 4
8	"	36	240		240	40	-24	-11	-35		3208	36
9	"	37	150	97	145	34	-24	-11	-35		3208	37
10	"	38	170		170	50	-	-7	-7		3236	38
11	"	39	150	97	150	33	-25.5	-10	-35.5		3207	39
12		40	280	-	280	60	+28	-11	+17		3260	40
13		41	160		160	58	+12.8	-10.6	+2.2		3245	
14		Δ11	1340	-	1300	50	-	-5	-5		3237.95	Δ11

Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	$\Delta 6$	42	250	96	235	30	-50	-4	-54	3145.0 3146.5	3094.5	
2		43	320	-	320	43	-22.4	-5.5	-27.9	3148.5	3121	43
3		44	260	97	253	57	+44.2	-3.5	+40.7		3189	
4		45	430	-	480	54	+12.2	-3.5	+10.7		3159	
5		46	180	-	180	39	-12.2	-5.5	-25.3		3123	
6		$\Delta 12$	580	97	560	68	+122.4	-15.4	+107		3255.5	$\Delta 12$
7		47	245	-	245	54	+9.8	-13.4 -7.8	-3.6	3259.	3256.4	
8	$\Delta 8$	$\Delta 9$	510	99	505	60	+50	-7.8	+42.2	3106.15 3109.65	3151.75	
9	$\Delta 9$	$\Delta 10$	600	91	594	65	+90	-10.3	+79.7	3155.25	3234.95	
10	$\Delta 10$	47 CHECK 47	260	-	260	60	+26	-9.8 -7.8	+16.2	3251 3255	3251	
11	47	48	280	-	280	44	-16.8	-15	-31.8	3254.5	3223 3219	
12	45	49	300	-	300	46	-12	-4	-16	3226.5	3210	
13	48	50	160	-	160	40	-16	-5	-21	32	3205	
14	48	51	130	-	180	44	-10.8	-8	-19		3207	

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Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	42	52 300	300	-	300	47	-9	-10	-19	3226.50	3208	
2	49	53	160	-	160	40	-16	-6.5	-22.5	3210 3213.5	3191	
3			310	-	310	42	24.8	-9.7	-34.5		3179	
4	$\Delta 12$	54 $\Delta 13$	300	-	300	47	-9	-12.2	-21.2	3255.50 3259.00	3227.8	$\Delta 13$ D.HOLE 5
5		55	215	-	215	48	-4.3	-9.0	-13.3		3246	R1000 T&D
6		56	560	98	550	40	-56	-7.7	-63.7		3185	
7		57	320	98	315	38	-38.4	-11	-49.4		3210	
8		58	205	97	200	35	-30	-14.6	-41.6		3217	CUT 24x12x6
9		59	60	-	60	55	+3	-18	+1.2		3260.2	
10	$\Delta 13$	60	235	-	235	42	-13.8	-14.6	-33.4	3227.8 3231.3	3198	
11		61	710	-	710	46	-28.4	-6	-34.4	3231.3	3197	
12		62	530	-	530	53	+15.9	-8.8	+7.1		3238.4	
13		63	950	-	950	52	+19	-5	+14		3245.3	
14		64	630	-	630	49	-6.3	-9.5	-15.8		3215.5	

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10 = 106.0

8 = 11.0

10 = 106.0

Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
	Δ13	Δ14	1000	-	1000	53	+30	-10.7	+19.3	3231.3	3250.0	
	Δ14	Δ15	445	98	440	59	+40.05	-6.8	+33.25	3254.1	3287.35	Δ15
			220	98	220	50	-	-13 -10	-13		3241	
			185	-	185	48	-37	-11	-14.7		3239	
			300	-	300	45	-15	-10	-25		32 39 ²⁹	
	Δ6	Δ16	740 740	-	735	57	+51.8	-4	+47.8	3145.0 3148.5	3196.3	Δ16
	Δ16	Δ17	390	-	390	55	+19.5	-4.5	+15	3196.3 3199.8	3214.8	Δ17
			190	98	186	63	+24.7	-3.7	+21 +21		3221	
			240	97	234	65	+36	-9.5	+26.5		3226	
	Δ17	60	280	96	270	30	-56	-8	-64	3214.8 3218.3	3144	
		61	230	-	230	52	+4.6	-7	-2.4	3218.3	3216	
		Δ18	760	-	755	54	+30.4	-10.7	+19.7		3238.0	Δ18
	Δ18	Δ19	395	-	395	57	+27.65	-9.3	+18.35	3241.5	3259.85	Δ19
		62	180	98	176	37	-23.4	-10	-13.4		3228	62

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Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
	Δ19	63	200	92	185	23	-57	-10.5	-54.5	3259.5 ⁵ 3263.5	3199	
		64	145	91	132	21	-42	-11	-53		3210	USFS BOUNDARY
		65	350	92	240	33	-70.2	-10.5	-80.7		3183	
		66	95	92	87	77	+25.65	-4.0	+21.6		3285	
		67	360	94	333	26	-33.1	-9.5	-96		3167	
		68	370	-	370	51	+3.7	-3.5	+0.2		3264	
		Δ20	806	-	805	54	+32.2	-8.0	+24.2		3287.5	Δ20
	Δ20		357	91	325	21	+03.5	-10.5	-114	3290.0	3176.0	
			320	98	315	35	-98	-3.	-51		3239	
		Δ21	280	97	272	66	+44.8	-10.4	+34.4		3324.4	Δ21
	Δ21		35	-	35	50	-	-6	-6	3279	3222	USFS BOUND.
			100	-	100	50	-	-11			3217	
			300	-	300	47	-9	-10	-19		3209	
		Δ22	300	-	300	50	-	-6.7	-6.7		3212	Δ22

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125

-5.3

15

53 - 1
153 - 11
10 = 1000
675 - 5
162 = 12
2.5
794.5
2 253
2.94 281
6 169
12 = 190
2.58
10 132

10 = 122
3 = 35
7 124
7 87
30
12 124
7.34
28
5 125

Topographer Rodman Checked by _____ Recorder _____

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	$\Delta 21$	HOLE	125	-	125	56	+7.5	-5.3	+2.2	3327.9	3330 3325	D.HOLE 15
2		$\Delta 23$	210	-	210	55	+10.5	-3.4	+7.1	3	3335 3320.8	$\Delta 23$
3	$\Delta 23$		400	-	400	46	-16	-10	-26	3338.5	3312	
4			500	-	500	75	-25	-3	-33		3308	
5			950	-	950	45	-47.5	-4	-51.5		3287	
6			710	-	710	46	-28	-11	-39		3299	
7			270	-	270	46	-10.8	-12	-22.8		3316	
8		$\Delta 24$	410	-	410	43	-12.3	-9	-21.3		3317.2	$\Delta 24$
9			180	-	180	46	-7.2	-6	-13.2		3325	D.HOLE 11
10			220	-	220	48	-4.4	-6	-10.4		3328	
11			430	-	430	48	-8.6	-4	-12.6		3326	
12		$\Delta 25$	660	-	660	50	8.8	-8.4	-8.4		3320.1	$\Delta 25$
13	$\Delta 24$	HOLE	110	-	110	53	+3.3	-1.3	+2	3320.7	3323	D.HOLE 16
14			300	-	300	50	-	-6.5	-6.5		3214	
AFD -36			270			44		-5.5				

12/24
4:51
10.6
3 850

Topographer Rodman Checked by _____ Recorder _____

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	$\Delta 24$		270	-	270	54	+10.8	-5.5	+5.3	3320.7	3326	
2			330	-	330	50	-	-8	-8		3313	
3			470	-	470	50	-	-10	-10		3211	
4			850	-	850	53	+25.5	-12	+13		3322	
5			450	-	445	42	-36	-8	-44		3276	
6			830	-	825	43	-58.1	-5.5	-64		3256	
7			610	99	605	40	-61	-0	-61		3259	
8	TEHR		250	-	250	50	-	-6.5	-6.5	3290	3284	
9			240	-	240	44	-14	-5	-19		3271	
10	L		170	-	170	59	+15	-4	+11		3301	
11	$\Delta 22$		275	-	275	45	-13.7	-6.5	-20	3321.2 3324.7	3305	
12			270	-	270	45	-13.5	-7.5	-21		3304	
13			670	-	670	46	-25.8	-7	-33.8		3291	
14			175	-	175	42	-3.5	-4.5	-8		3317	

Topographer R.S. Beck
 Rodman WOLFE & JONES

Checked by
 Recorder

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	<u>Δ 25</u>		<u>350</u>	<u>-</u>	<u>350</u>	<u>44</u>	<u>-210</u>	<u>-7</u>	<u>-28</u>	<u>3323.5</u>	<u>3305</u>	
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												

AFD -36

30 -4

130' N 40E

February 7, 1942

120

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

WOODCOCK GARNIERITE

Josephine Co.

Waldo area

This inspection was made during a heavy rain storm. The guide, Henry Payne, was rather uncommunicative, and seemed somewhat unfamiliar with the situation. Henry Leming, who is the principal promoter, was unable to accompany us, as "he could hike well". We discovered that a Mr. Benson, of the U.S.B.M., had examined and sampled the locality last fall but we were not advised of this until we were on the property.

Little work has been done to open the property. Some garnierite shows in the cuts but the showing is very poor compared with Nickel Mt. Hillsides are steep and fresh rock outcrops at the surface; this is an unfavorable situation for the concentration of garnierite. A few high grade masses were seen but mainly the garnierite has to be imagined from the greenish color of the rock.

The owners began their activity last fall by presenting a quantity of samples for assay. They became quite upset when we would assay only two, and they were inclined to get slightly nasty. Since then they have urged a field examination, which was finally made, but without any statements as to the former examination. Leming's story and Payne's story fail to check on numerous points and somehow the whole thing has an unhealthy aspect to me.

The trip was made by Joe Strutzel, Pres Hotz, Henry Payne, and Ray Treasher. At some later date, Strutzel and I will visit the property "on our own" when we can cruise around and really get some information. Mr. Payne seemed anxious to show us only what we were supposed to see.

Ray C. Treasher
Field Geologist
February 6, 1942.

February 16, 1942

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

WOODCOCK GARNIERITE

Waldo Area

Analyses

BG-1294	-----	2.07% nickel
BG-1296	-----	1.57% nickel
BG-1306	-----	2.31% nickel
CG-88	-----	1.31% nickel
CG-89	-----	0.86% nickel
CG-90	-----	1.37% nickel
CG-91	-----	1.11% nickel

CONFIDENTIAL

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... M013237
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CONSV
 MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
 DATE..... 74 01
 UPDATED..... 79 03
 BY..... BRADLEY, ROBIN; WALKER, GEORGE W.

NAME AND LOCATION

DEPOSIT NAME..... WOODCOCK MOUNTAIN

MINING DISTRICT/AREA/SUBDIST. WALDO

COUNTRY CODE..... US

COUNTRY NAME: UNITED STATES

STATE CODE..... DR

STATE NAME: OREGON

COUNTY..... JOSEPHINE

LAND CLASSIFICATION..... 20

QUAD SCALE QUAD NO OR NAME
 1: CAVE JUNCTION

LATITUDE LONGITUDE
 42-08-21N 123-42-07W

UTM NORTHING UTM EASTING UTM ZONE NO
 4665250. 442000. +10

TWP..... 039S 039S
 RANGE..... 008W 009W
 SECTION.. 19 30 31 24 25 36
 MERIDIAN. W.M.

COMMODITY INFORMATION

COMMODITIES PRESENT..... NI CD CR FE

ANALYTICAL DATA(GENERAL)

AVERAGE GRADE OF SOIL IS ABOUT 1.00 % NI, 2.00 % CR2O3, 0.11 % CD, 27 % FE

YEAR OF DISCOVERY..... 1942

WORK DONE BY OTHER ORGANIZATIONS

YEAR	WORK TYPE	ORGANIZATION AND RESULTS
1) 1947	DIREXPL	DDGMI MAPPED AND SAMPLED DEPOSIT BY HAND AUGERING
2) 1951	DIREXPL	USBM BULLDOZER TRENCHING AND EXTENSIVE AUGERING
3) 1957	DIREXPL	NEW DELHI MINES, LTD. CHURN-DRILLED

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

LATERITES

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... TOTAL AREA OF 175 ACRES

MAX THICKNESS..... 20 FT

COMMENTS(DESCRIPTION OF DEPOSIT):

AVERAGE CONTENT OF UNWEATHERED ROCK IN SOIL ESTIMATED AT 35 % BY VOLUME.

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):

DEVELOPED BY A 90-FOOT INCLINED SHAFT AND NUMEROUS OPEN CUTS.

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... COUNTRY ROCK IS PERIDOTITE, OR SAXONITE, WITH LARGE CRYSTALS OF ENSTATITE.

HOST ROCK TYPES..... LATERITES

IGNEOUS ROCK TYPES..... SMALL DIABASE AND HORNBLLENDE DIORITE DIKES

LOCAL GEOLOGY

SIGNIFICANT LOCAL STRUCTURES:

SHEAR ZONE

SIGNIFICANT ALTERATION:

SERPENTINIZATION

COMMENTS (GEOLOGY AND MINERALOGY):

AREA IS UNDERLAIN BY SERPENTINIZED HARZBURGITE OF JOSEPHINE ULTRAMAFIC SHEET, WHICH ARE IN FAULT CONTACT WITH GALICE FORMATION MARINE SEDIMENTS. MOST DIKES AND ASSOCIATED SHEARING HAVE A NORTHERLY TREND AND STEEP DIP THAT IS PARALLEL WITH CONTACTS AND REGIONAL TECTONIC FABRIC.

GENERAL REFERENCES

1) DDGMI BULL. 1A-C VOL. II, SEC. I, P. 224

THE FOLLOWING SUMMARY OUTLINES PERTINENT DATA CONCERNING THE WOODCOCK MTN. NI. PROSPECT, JOSEPHINE COUNTY, OREGON:

The Woodcock Mtn. nickel deposit is located in Secs. 19, 30, and 31, T. 39 S., R. 8 W., and Secs. 24, 25 and 36, T. 39 S., R. 9 W., Josephine County, Oregon. The town of Cave Junction is approximately 3 miles east-northeast of the nickel deposit.

1950: Oregon State Department of Geology and Mineral Industries recognized its nickel potential and hand augered 16 holes to a maximum depth of 16 feet. Nickel grades ranged from 0.54% to 1.51% Ni. It was at this time that Hanna (Coastal) first became interested in the area. Hanna staked 16 claims.

1951: U.S.B.M. augered 67 holes to a maximum depth of 22 feet and cut 13 trenches. Nickel grades ranged from 0.14% to 1.10% Ni.

1957: Nickel Corporation of America churn drilled 60 holes to a maximum depth of 100 feet. Ore reserves calculated by Simerd and Knight based on a 250' drill grid gave indicated tonnages of 7.5×10^6 tons @ 0.70% Ni and a potential tonnage of 15.0×10^6 tons.

1965: Falconbridge carried out an exploration program. Nature and results of the work completed is not known.

1966-1970: Coastal carried out reconnaissance mapping, sampling, and drilling approximately 25 holes to depths adequate to substantiate Oregon State Geology and Mineral Industry estimates. Over 5 million tons of nickel laterite averaging approximately 0.80% Ni exist on some 400 acres of the property.

1971-1981: Coastal continued investigation with additional drill holes, road improvements, installation of culverts, grader work, bulk sampling for metallurgical processing, and in-depth cobalt grade analysis and mill design.

SUMMARY OF WORK & DATA

Section 36

- (1) Hole 7720 drilled in 1977 showed 15' of 0.89% Ni. This data related with surface mapping extrapolates to a possible 1 million plus tons at 0.80% Ni on Section 36.

- (2) Projected 1981-84 work includes nickel laterite continued drilling investigation, mill design and an in-depth study of cobalt grades and recovery methods. As these are developed we will, as in the past, work with the State Geologist and Dept. of Geology and Mineral Industries.

New Delhi Mines Ltd drill holes
 ← depth in feet →

Hole No.	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95		
W 66 AD	0.72	0.39	0.28	0.38	0.36	0.24	0.24	0.25	0.30	0.29	0.39	(ROCK AT 55')									
W 54 BL	0.42	0.62	0.74	0.81	0.75	0.76	0.51	(LAT. + BOULDERS AT 35')													
W 66 BT	0.76	0.73	1.07	0.71	0.62	0.37	0.58	0.97	1.21	0.93	0.81	0.58	(LAT. + BOULDERS AT 60')								
W 62 BD	0.71	0.64	0.75	0.81	0.95	0.41	0.84	1.01	0.83	0.63	0.50	0.53	0.46	0.44	(ROCK AT 70')						
W 54 AL	0.62	0.41	0.62	(BEDROCK AT 15')																	
W 50 AL	0.52	0.72	0.40	0.40	(BEDROCK AT 20')																
W 62 AL	0.65	0.51	0.35	0.30	0.44	0.23	0.29	(HARD GREEN AT 35')													
W 54 BDC	0.73	0.69	0.75	0.73	0.90	1.09	0.59	(BEDROCK AT 35')													
W 74 BS	0.69	0.68	0.55	0.51	0.53	0.43	0.37	0.34	0.32	0.38	(ROCK AT 70')										
W 54 AD	0.30	0.62	0.51	0.54	0.64	0.77	0.86	1.03	0.89	0.81	0.74	0.68	(ROCK AT 60')								
W 58 AL	0.47	0.64	0.73	0.69	0.64	0.62	0.64	0.60	0.79	0.73	0.36	(BEDROCK AT 55')									
W 82 BD	0.49	0.62	0.78	0.70	0.63	0.67	0.61	0.49	(BEDROCK AT 40')												
W 86 BD	0.79	0.79	0.81	0.78	0.90	0.67	0.50	0.48	0.30	(BEDROCK AT 45')											
W 78 BL	0.77	0.52	0.37	0.37	0.32	0.36	0.43	0.48	0.45	(BEDROCK AT 45')											
W 74 AD	0.37	0.53	0.33	0.26	0.21	(BOULDERS AT 25')															
W 74 AL	0.57	0.39	0.27	(BEDROCK AT 15')																	
W 70 AD	0.38	0.34	0.70	0.58	0.47	0.43	(BEDROCK AT 30')														
W 70 BL	0.72	0.74	0.35	0.07	(BEDROCK AT 20')																
W 62 BL	0.38	0.39	0.48	0.28	0.26	0.32	0.37	(BEDROCK AT 35')													
W 72 BL	0.71	0.65	0.54	0.64	0.68	0.59	0.83	0.97	0.88	0.71	0.68	0.62	(BLACK ROCK AT 60')								
W 62 AD	0.39	0.31	0.33	0.51	0.44	0.44	0.49	0.46	0.46	0.45	0.42	0.53	0.58	0.35	0.32	(ROCK AT 75')					
W 61 BD	0.77	0.76	0.55	0.64	0.79	1.01	1.05	0.48	0.14	(ROCK AT 45')											
W 54 BD	0.84	0.80	0.73	0.94	0.93	(BEDROCK AT 25')															
W 50 BD	1.45	0.81	0.59	0.58	0.70	0.79	0.64	0.59	0.54	0.68	0.80	0.81	0.73	0.67	1.03	0.64	0.37	0.36	0.34	0.72	
W 58 BL	0.32	0.27	0.46	0.37	0.56	0.76	0.72	0.68	0.59	(BEDROCK AT 45')											
W 70 BD	0.69	0.70	0.59	0.75	0.53	0.40	0.46	0.49	0.44	0.45	0.44	0.42	0.48	0.46	0.41	0.41	0.41	0.41	0.41	0.41	(LOG LOST)
W 58 AD	0.81	0.90	0.66	0.67	0.39	0.34	0.39	0.42	0.48	0.32	0.32	0.29	0.28	0.36	0.42	0.31	0.26	0.27	0.27	0.27	
W 50 AD	0.48	0.49	0.79	0.71	0.35	0.35	0.85	0.44	0.62	0.50	0.35	(BEDROCK AT 50')									
W 73 BL	1.03	1.02	0.77	0.55	0.53	0.43	0.38	0.38	0.35	0.31	0.29	0.32	0.57	0.65	0.51	0.34	(BEDROCK AT 80')				
W 69 BL	0.22	0.20	0.18	0.50	0.40	0.39	0.32	0.26	0.26	0.27	0.26	0.28	0.27	0.28	(BEDROCK AT 70')						

	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
W 74 BN	0.90	0.83	0.70	0.41	0.28	0.25	0.24	0.30	0.50	0.45	0.43	0.49	0.55	0.47	0.33	0.30	(bedrock @ 70')	
W 62 BF	0.81	0.55	0.57	0.79	0.73	0.77	0.76	0.64	0.62	0.58	0.57	0.57	0.59	0.57	0.66	0.78	0.85	
W 65 BD	0.50	0.55	0.42	0.47	0.51	0.54	0.69	0.77	0.66	0.55	0.55	0.46	0.40	0.36	(bedrock at 70 feet)			
W 75 BL	0.64	0.45	0.53	0.55	0.64	0.57	0.62	0.90	0.72	0.73	0.64	0.65	0.80	0.94	0.77	0.83	0.66	
W 66 BB	0.95	0.91	0.58	0.89	0.72	0.60	0.34	0.28	0.28	0.24	0.31	(bedrock at 60 feet)						
W 58 BT	0.30	0.26	0.25	(bedrock at 15 feet)														
W 71 BJ	0.65	0.59	0.48	0.31	0.26	Tr. (hard rock at 30 feet)												
W 54 BT	0.66	0.38	0.28	0.27	(bedrock at 22 feet)													
W 71 BL	0.97	1.16	1.27	1.40	0.77	0.97	0.49	0.47	0.44	0.35	0.33	0.29	0.26	(bedrock at 55 feet)				
W 66 AI	0.68	0.55	0.80	1.02	0.77	0.42	0.35	0.31	0.25	(bedrock at 50 feet)								
W 64 BD	0.59	0.37	0.48	0.55	0.53	0.81	0.73	0.63	0.61	0.80	0.60	0.56	0.48	0.62	(bedrock @ 70')			
W 64 BB	0.49	0.56	0.57	0.55	0.44	0.35	0.33	0.30	0.31	0.31	0.31	0.52	0.48	0.42	(bedrock @ 30')			
W 70 BN	0.74	0.70	0.61	0.54	0.57	0.77	0.63	0.54	0.37	0.33	0.33	0.33	0.28	0.31	(bedrock @ 75')			
W 70 BJ	0.38	0.34	0.35	0.38	0.31	(rock at 35')												
W 72 BJ	0.48	0.57	0.78	0.78	0.73	" "												
W 63 BD	0.60	0.57	0.46	0.57	0.52	(rock at 30')												
W 66 BD	0.67	1.18	1.30	1.26	0.69	0.63	0.55	0.29	(bedrock at 40')									
W 72 BN	0.90	0.86	0.81	0.80	0.77	0.65	0.65	0.70	0.60	0.53	0.42	0.39	0.33	0.31	(bedrock at 75')			
W 69 BL	0.22	0.20	0.18	0.50	(mostly boulders - bedrock @ 65')													
W 78 BD	0.61	0.69	0.40	0.24	0.29	0.29	0.19	(bedrock @ 35')										
W 82 AD	0.28	0.22	0.22	0.24	0.27	0.24	0.11	" "										
W 74 BD	0.50	0.58	0.32	0.25	0.24	(bedrock at 20')												
W 78 AL	0.36	0.42	0.35	0.34	(bedrock at 15')													
W 74 BL	0.88	0.84	0.79	1.15	1.28	1.07	0.54	0.51	0.30	0.32	(bedrock at 50')							
W 78 AD	0.37	0.29	0.26	0.23	0.21	0.21	0.26	(bedrock at 32 feet)										
W 64 BF	0.91	1.09	1.24	1.18	1.17	0.94	1.23	1.23	1.14	1.42	1.74	1.72	(bedrock @ 65')					
W 67 BD	1.25	1.19	1.05	1.23	1.25	1.23	1.14	0.94	0.94	0.96	1.05	1.21	0.98	0.79	0.66	0.64	0.47	
W 665 BD	0.80	1.24	1.23	1.25	1.32	1.22	0.96	1.01	1.06	1.10	1.05	0.81	0.74	(bedrock @ 70')				
W 62 BD	0.68	1.09	0.91	1.08	1.06	0.82	0.61	0.64	0.56	0.46	0.45	0.48	0.42	0.41	0.55	(bedrock @ 75')		
W 70 AL	0.68	0.82	0.91	0.95	0.76	0.58	0.57	(rock at 35')										
W 58 BD	0.93	0.88	0.64	0.50	0.68	0.63	0.49	(bedrock @ 35')										

Waldo

Name: Woodcock Mountain Nickel

Ownership: Hanna Mining Company has the main area and smaller areas to the North are claimed by Inter American Nickel Company of Vancouver, B. C. The bulk of the area is U. S. land under management of the B.L.M. and Forest Service. State, county and private land are also present in and adjacent to the area of the deposits.

Location: Three soil areas are included. The main (southern) area lies on the southeast flank of Woodcock Mountain between about 734 and 1,018 meters elevation in secs. 25 and 36, T. 39 S., R. 9 W., and secs. 30 and 31, T. 39 S., R. 8 W. The smallest and highest elevation area lies at the top of the mountain between about 1,021 and 1,036 meters elevation; mainly in the SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ sec. 24, T. 39 S., R. 9 W., and extending a short distance into the west edge of the SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 39 S., R. 8 W. The northern area in the NW $\frac{1}{4}$ sec. 19, T. 39 S., R. 8 W. is between about 940 and 993 meters elevation near the north end of the ridge.

The area is reached by about 6 $\frac{1}{2}$ kilometers of dirt road across private land from a point on the south end of West Side road about 1/3 kilometer west of U. S. 199. Electrical power and water are about 2 kilometers distance.

Climate, vegetation, and land use: The annual precipitation is about 100 cm and most occurs between October and June. Summer temperature will average about 19° C and winter about 5° C. Some snow usually accumulates in the winter above 1,000 meters elevation. The working season should probably exclude the three winter months.

Vegetative cover includes a very little commercial timber, including pine, cedar and fir and relatively sparse to thick brush including azalea, myrtle, cascara, live oak, huckleberry, ceanothus, etc.

Land Use includes mining, minor timber harvest, grazing, agriculture, and residential in the surrounding area. The area of the deposits have had no prior use.

History, exploration and development:

The area was probably first explored for nickel about the same period as Eight Dollar Mountain (1942). The Department mapped and sampled by hand augering the deposit in 1947, and 1948. Results are reported by Dole, Libbey, and Mason (1948) and Mason (1949). The deposit was explored by the U.S. Bureau of Mines in 1951 by bulldozer trenching and extensive soil augering (Appling, 1955). New Delhi Mines Ltd. Toronto, churn drilled the deposit in 1957, putting down 61 holes to an average depth of 51 feet. Work done since that time includes assessment work and reconnaissance sampling and mapping by the present writer in 1975.

General Geology:

The area is underlain by partly serpentized harzburgite of the Josephine Ultramafic Sheet. These rocks are in fault contact with Galice Formation marine sediments at about the intersection of the mountain east slope and the valley floor. The western fault contact of the ultramafics is with Jurassic volcanics about ^{6 miles} 10 kilometers west of the mountain. The ultramafics have been somewhat sheared and serpentized in places and intruded

by numerous small diabase and hornblende diorite dikes. Most of these dikes and the associated shearing have a northerly trend and steep dip parallel with the contacts and regional tectonic fabric.

Description of the deposits:

The lateritic soil accumulations appear to be residual from an old upland weathering surface, most of which have been eroded away. ^{Some} Much of the main southern area ^{appears to be} is possibly a transported slope type deposit effected by gradual surface creep and perhaps minor slumping. Small north-trending diabase dikes form the downhill edge of deep, well-developed laterites. These dikes have apparently retarded erosion thus protecting part of the deposit. North-trending faults probably also affect laterite accumulation.

The main southern deposit has an area of about 56 hectares. Its average width is about 400 meters ^{1300 feet} and length about 1,400 meters ^{4500 feet}. The central, smallest and highest area is about 6 hectares ^{15 acres} in size, approximately 300 meters long and 200 meters wide ^{650 feet}. The northern area is about 9 hectares ^{22 acres}, 500 meters long ^{1600 feet} and an average of about 180 meters wide ^{580 feet}.

Depth of the deposits varies considerably. An average depth of 61 churn drill holes by New Delhi Mines in the main area (cut off at less than 0.40 percent Ni) is about 10 meters. ^{32 ft} The overall ^{is estimated} visual average depth ^{of all these areas} ¹⁵ ^{about 10 ft.} ~~guessimations~~ from geologic mapping ~~on the ground by the writer~~ were 3 meters. Since the present map area is larger than that drilled by New Delhi, an average ^{about 20 feet.} overall depth for the main southern area is estimated to be 6.5 meters.

about 3 feet

Estimated average depth for the central area is 2 meters and for the northern area ~~2.5 meters~~ ^{about 10 ft} 2.5 meters. Estimated average content of rock intermixed with soil and saprolite in the three areas is 40 percent.

Grade and tonnage estimations: The average grade of soil and saprolite in all three areas, excluding rock is about 1.00 percent Ni, 2.00 percent Cr_2O_3 , 0.11 percent Co and 27 percent Fe.

The calculated average grade of mixed ~~soil~~, saprolite, and rock (gross tonnage grade) for the three areas is about 0.65 percent Ni, 1.2 percent Cr_2O_3 , .07 percent Co and 17 percent Fe.

Tonnage calculations by area:

(a)	North area	9 hectares		
	av. depth	2.5 meters		
	(weight factors for all areas=	soil, saprolite, and rock mixture	1.86 m.t./m ³)
		soil and saprolite	1.6 " " "	
	gross tonnage	418,500 m.t.		
	net tonnage	216,000 m.t.		
(b)	Central area	6 hectares		
	average depth	2 meters		
	gross tonnage	223,200 m.t.		
	net tonnage	115,200 m.t.		
(c)	Southern area	56 hectares		
	average depth	6.5 meters		
	gross tonnage	6,770,400 m.t.		
	net tonnage	3,494,400 m.t.		
	Total gross	7,412,100 m.t.		
	Total net	3,825,600 m.t.		

References:

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Mason, R. S., 1949, Exploration of nickel-bearing laterite on Woodcock Mountain, Josephine County, Oregon, Ore. Dept. Geol. Min. Indus. ORE BIN, Vol. 11, No. 3, 1949.

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Schassberger, H. T. and Brooks, F. H., 1953, Report on California and Oregon Red Soil areas - Climax Molybdenum Co. Confidential report.

Report by: Len Ramp 11-25-75

Hole No.	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'	55'	60'	65'	70'	75'	80'	85'	90'	95'	100'												
W66AD	0.42	0.39	0.28	0.38	0.36	0.24	0.24	0.25	0.30	0.29	0.39	(Rock at 55')										rock - depth' 5	at grade 0.42									
W54BL	0.43	0.62	0.74	0.81	0.75	0.76	0.51	(Lat. & Boulders at 35')										35	0.66													
W66BF	0.76	0.93	1.07	0.71	0.62	0.37	0.58	0.97	1.21	0.93	0.81	0.58	(Lat & Boulders at 60')										60	0.80								
W62BB	0.71	0.64	0.75	0.81	0.95	0.41	0.84	1.01	0.83	0.63	0.50	0.53	0.46	0.44	(Rock at 70')										70	1.68						
W54AL	0.62	0.41	0.62	(Bedrock at 15')										15	1.55																	
W50AL	0.52	0.72	0.40	0.40	(Bedrock at 20')										20	1.51																
W62AL	0.65	0.51	0.35	0.30	0.44	0.23	0.29	(Hard green at 35')										10	1.58													
W54BDC	0.73	0.69	0.75	0.73	0.90	1.09	0.59	(Bedrock at 35')										35	1.78													
W74BJ	0.69	0.68	0.55	0.51	0.53	0.43	0.37	0.34	0.32	0.38	---	---	---	(Rock at 70')										30	1.57							
W54AD	0.30	0.62	0.51	0.54	0.64	0.77	0.86	1.03	0.89	0.81	0.74	0.68	(Rock at 60')										60	1.70								
W58AL	0.47	0.64	0.73	0.69	0.64	0.62	0.64	0.60	0.79	0.73	0.36	(Bedrock at 55')										50	1.66									
W82BD	0.49	0.62	0.78	0.70	0.63	0.67	0.61	0.49	(Bedrock at 40')										40	1.62												
W86BD	0.79	0.79	0.81	0.78	0.90	0.67	0.50	0.48	0.30	(Bedrock at 45')										40	1.72											
W78BL	0.77	0.52	0.37	0.37	0.32	0.36	0.43	0.48	0.45	(Bedrock at 45')										10	1.65											
W74AD	0.37	0.53	0.33	0.26	0.21	(Boulders at 25')										10	1.45															
W74AL	0.57	0.39	0.27	(Bedrock at 15')										5	1.57																	
W70AD	0.38	0.34	0.70	0.58	0.47	0.43	(Bedrock at 30')										0	---														
W70BL	0.72	0.74	0.35	0.07	(Bedrock at 20')										10	1.73																
W62BL	0.38	0.39	0.48	0.28	0.26	0.32	0.37	(Bedrock at 35')										0	---													
W72BL	0.71	0.65	0.54	0.64	0.68	0.59	0.83	0.97	0.88	0.71	0.68	0.62	(Black rock at 60')										60	1.71								
W62AD	0.39	0.31	0.33	0.51	0.44	0.44	0.49	0.46	0.46	0.45	0.42	0.53	0.58	0.35	0.32	(Rock at 75')										60	1.45					
W61BD	0.77	0.76	0.55	0.64	0.79	1.01	1.05	0.48	0.14	(Rock at 45')										40	1.76											
W54BD	0.84	0.80	0.73	0.94	0.93	(Bedrock at 25')										25	1.85															
W50BD	1.45	0.81	0.59	0.58	0.70	0.79	0.64	0.59	0.54	0.68	0.80	0.81	0.73	0.67	1.03	0.64	0.37	0.36	0.34	0.42	(Bedrock)										70	---
W58BL	0.32	0.27	0.46	0.37	0.56	0.76	0.72	0.68	0.59	(bedrock at 45')										45	1.53											
W70BD	0.69	0.70	0.59	0.75	0.53	0.40	0.46	0.49	0.44	0.45	0.44	0.42	0.48	0.46	0.41	0.41	0.41	0.41	(Log lost)										70	1.52		
W58AD	0.81	0.90	0.66	0.67	0.39	0.34	0.39	0.42	0.48	0.32	0.32	0.29	0.28	0.36	0.42	0.31	0.26	0.27	0.21	0.24	(Log lost)										76	---
W50AD	0.48	0.49	0.79	0.71	0.35	0.35	0.85	0.44	0.62	0.50	0.35	(Bedrock at 50')										50	1.56									
W73BL	1.03	1.02	0.77	0.55	0.53	0.43	0.38	0.38	0.35	0.31	0.29	0.32	0.57	0.65	0.51	0.34	(Bedrock at 80')										30	1.72				
W69BL	0.22	0.20	0.18	0.50	0.40	0.39	0.32	0.26	0.26	0.27	0.26	0.28	0.27	0.28	(bedrock at 70')										0	---						
W74BN	0.90	0.83	0.70	0.41	0.51	0.28	0.25	0.24	0.30	0.50	0.45	0.43	0.49	0.55	0.47	0.33	0.30	(Bedrock at 80')										25	1.67			
W62BF	0.81	0.88	0.57	0.79	0.61	0.73	0.77	0.76	0.64	0.62	0.58	0.59	0.59	0.59	0.59	0.66	0.78	0.85	0.77	0.54	100	1.69										
W65BD	0.50	0.55	0.42	0.47	0.51	0.51	0.59	0.69	0.77	0.66	0.55	0.55	0.46	0.40	0.36	(Bedrock at 70')										70	1.55					

1755.00

33

1180

T 35.57

30

Drill Holes New Delhi Mines Ltd. Woodcock Mtn. 1957

20 Ni

depth

16.40

Hole No.	1 5'	2 10'	3 15'	4 20'	5 25'	6 30'	7 35'	8 40'	9 45'	10 50'	11 55'	12 60'	13 65'	14 70'	15 75'	16 80'	17 85'	18 90'	19 95'	20 100'	av.			
W75BL	0.64	0.45	0.53	0.55	0.63	0.64	0.57	0.62	0.90	0.92	0.73	0.64	0.65	0.80	0.94	0.79	0.83	0.66	(Bedrock at 90')		.69			
W66BB	0.95	0.91	0.88	0.89	0.72	0.42	0.60	0.34	0.28	0.28	0.29	0.31	(Bedrock at 60')								35	.77		
W58BT	0.30	0.26	0.25	(Bedrock at 15')																	0			
W71BJ	0.65	0.59	0.48	0.31	Tr (hard rock at 30')																	15	.57	
W54BT	0.66	0.38	0.28	0.27	(Bedrock at 22')																	5	.66	
W71BL	0.97	1.16	1.27	1.40	0.97	1.16	0.97	0.49	0.47	0.44	0.35	0.33	0.29	0.26	(Bedrock at 65')								50	.93
W66AI	0.68	0.55	0.80	1.02	1.09	0.77	0.42	0.35	0.31	0.25	(Bedrock at 50')										35	.76		
W64BD	0.59	0.37	0.48	0.55	0.58	0.53	0.81	0.73	0.63	0.61	0.80	0.60	0.56	0.48	0.62	(Bedrock at 70')					70	.60		
W64BB	0.49	0.56	0.51	0.55	0.54	0.44	0.35	0.33	0.30	0.31	0.31	0.31	0.52	0.48	0.42	(Bedrock at 70')					30	.52		
W70BN	0.74	0.70	0.61	0.54	0.51	0.57	0.77	0.63	0.54	0.37	0.33	0.33	0.33	0.28	0.31	(Bedrock at 75')					45	.62		
W70BJ	0.38	0.34	0.35	0.38	0.31	(Rock at 25')															0			
W72BJ	0.48	0.57	0.78	0.78	0.73	(Rock at 25')															25	.67		
W63BD	0.60	0.57	0.46	0.57	0.52	0.47	(Rock at 30')														30	.53		
W66BD	0.67	1.18	1.30	1.26	1.00	0.69	0.63	0.35	0.29	Bedrock at 40')											35	.96		
W72BN	0.90	0.86	0.81	0.80	0.77	0.65	0.64	0.65	0.70	0.60	0.53	0.42	0.39	0.33	0.31	0.31	(Bedrock at 75')					60	.69	
W69BL	0.22	0.20	0.18	0.50	(Mostly boulders - bedrock at 65')																0			
W78BD	0.61	0.69	0.40	0.24	0.29	0.29	0.19	(Bedrock at 35')														15	.57	
W82AD	0.28	0.22	0.22	0.24	0.27	0.24	0.11	(Bedrock at 35')														0		
W74BD	0.50	0.58	0.32	0.25	0.24	0.24	(Bedrock at 20')														10	.54		
W78AL	0.36	0.42	0.35	0.34	(Bedrock at 15')																0			
W74BL	0.88	0.84	0.79	1.15	1.23	1.28	1.07	0.54	0.51	0.30	0.32	(Bedrock at 50')										45	.92	
W78AD	0.37	0.29	0.26	0.23	0.21	0.21	0.21	0.26	(Bedrock at 32')													0		
W64BF	0.91	1.09	1.24	1.18	1.17	0.94	0.70	0.72	1.23	1.14	1.42	1.74	1.72	(Bedrock at 65')								65	1.17	
W67BD	1.25	1.19	1.05	1.23	1.25	1.23	1.14	0.99	0.94	0.94	0.96	1.05	1.21	0.98	0.79	0.66	0.64	0.47	(Bedrock at 90')			70	1.08	
W665BD	0.80	1.24	1.23	1.25	1.32	1.37	1.22	0.96	1.01	1.06	1.10	1.05	0.81	0.74	(Bedrock at 70')						70	1.08		
W62BD	0.68	1.09	0.91	1.08	1.06	0.82	0.73	0.61	0.64	0.56	0.46	0.45	0.48	0.42	0.41	0.55	0.58	(Rock at 85')				.68		
W70AL	0.68	0.82	0.91	0.95	0.76	0.88	0.51	(Rock at 35')													35	.79		
W58BD	0.93	0.88	0.64	0.50	0.68	0.63	0.49	(Hard rock at 35')													35	.68		

2155

35.33
av. Ni% = .68

13137

10.77 meters av

av de

61.

LABORATORY REPORT
ABBOT A. HANKS, INC.
 ENGINEERS. ASSAYERS. CHEMISTS. METALLURGISTS
 CONSULTING - TESTING - INSPECTING

ESTABLISHED 1866
 624 SACRAMENTO STREET
 SAN FRANCISCO 11, CALIFORNIA
 TELEPHONE GARFIELD 1-1697

Lab. No. **16474**

Date **July 15, 1957**

Submitted by **Nickel Corporation of America** Sample Mark **250**
L. R. Simard
25 Adelaide Street West - Room 403
Toronto 1, Ontario

QUALITATIVE SPECTROGRAPHIC ANALYSIS
Metals Found
and Estimated Percentage Range

Less than .03%	.03% to .30%	.30% to 3%	3% to 30%	30% to 100%
Zinc Sodium Potassium Strontium Vanadium Zirconium Copper Lead Silver	Calcium Cobalt Manganese Titanium	Aluminum Chromium Nickel	Iron Silicon Magnesium	

Remarks

2 cc: Nickel Corporation of America
Box 336
Cave Junction, Oregon
ATTENTION: Mr. Skrecky

RESPECTFULLY SUBMITTED.

ABBOT A. HANKS, INC.
Original Signed by
MARTIN P. QUIST

By _____
 Spectro-Chemist

bob

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 1 Location _____SE $\frac{1}{4}$ of sec. 25 T. 39S R. 9W County Josephine

Coord. _____ N. _____ E. _____

		From	To	Thickness of sample	Sample No.	Description
Elev. collar	<u>3050</u>					
Depth to top of bed	<u>-</u>	<u>0'</u>	<u>1'</u>	<u>1'</u>	<u>7425</u> <u>1</u>	<u>dry.</u> <u>Light yellow brown, earthy, shots,</u>
Elev. of top of bed	<u>-</u>	<u>1</u>	<u>2</u>	<u>1'</u>	<u>7426</u> <u>2</u>	<u>soft, damp.</u> <u>Yellow brown, earthy, slightly</u>
Thickness of bed	<u>-</u>	<u>2</u>	<u>3</u>	<u>1'</u>	<u>7427</u> <u>3</u>	<u>dunite chips.</u> <u>Yellow brown, earthy, damp,</u>
Elev. bottom bed	<u>-</u>	<u>3</u>	<u>4</u>	<u>1</u>	<u>7428</u> <u>4</u>	<u>Yellow brown, earthy damp.</u>
Depth of hole	<u>5</u>	<u>4</u>	<u>5</u>	<u>1'</u>	<u>7429</u> <u>5</u>	<u>dunite chips.</u> <u>Yellow brown, earthy, damp,</u>
Elev. water table	<u>-</u>					
Bottomed in	<u>Rock</u>					
	<u>*****</u>					
Drill used	<u>2" Auger</u>					
Number men	<u>2</u>					
Engr. in charge	<u>Mason</u>					
Mtrl. classfd. by	<u>Wolfe</u>					
Sampler	<u>Wolfe</u>					
Date hole began	<u>7/9/48</u>					
Date hole finished	<u>"</u>					
Shifts actually drilled	<u>1 hr.</u>					

Remarks Rock encountered in 5 holes drilled in vicinity.Surface soil brick red, quite a bit of shots.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 2 Location Approximately 300 S40E from Hole No. 1

SE 1/4 of sec. 25 T. 39S R. 9W County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed <u>-</u>	<u>0</u>	<u>1</u>	<u>1'</u>	<u>7430</u> <u>6</u>	<u>Red brown, earthy, dry.</u>
Elev. of top of bed <u>-</u>	<u>1</u>	<u>2</u>	<u>1'</u>	<u>7431</u> <u>7</u>	<u>Dark red brown, earthy, damp.</u>
Thickness of bed <u>-</u>	<u>2</u>	<u>3</u>	<u>1'</u>	<u>7432</u> <u>8</u>	<u>Dark yellow brown, earthy, damp.</u>
Elev. bottom bed <u>-</u>	<u>3</u>	<u>4</u>	<u>1'</u>	<u>7433</u> <u>9</u>	<u>Yellow brown, earthy, damp, rock chips.</u>
Depth of hole <u>5' - 8"</u>	<u>4</u>	<u>5</u>	<u>1'</u>	<u>7434</u> <u>10</u>	<u>Yellow brown, earthy, damp, rock chips.</u>
Elev. water table <u>-</u>	<u>5</u>	<u>5' - 8"</u>	<u>8"</u>	<u>7435</u> <u>11</u>	<u>Yellow brown, earthy, damp, rock chips.</u>
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
<u>Jones</u>					
Number men <u>Wolfe, Mason, &</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 hr.</u>					

Remarks 3 holes drilled in vicinity in effort to avoid rocks.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 3 Location About 30 vertically below hilltop, bend in Josephine Creek is N. 75°W. of hole.of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7436	
Depth to top of bed _____	0	1	1	12	Brown, earthy, dry, rock chips.
Elev. of top of bed _____	1	2	1	7437 13	earthy, damp. Brown, yellow spots, black shots.
Thickness of bed _____	2	3	1	7438 14	Yellow brown, black, clayey, damp.
Elev. bottom bed _____	3	4	1	7439 15	damp, rock chips. Yellow brown, varicolored, clayey.
Depth of hole <u>6' - 3"</u>	4	5	1	7440 16	damp, rock chips. Yellow brown, varicolored, clayey.
Elev. water table _____	5	6	1	7441 17	slightly plastic, garnierite chips. Yellow varicolored, clayey, damp.
Bottomed in <u>Rock</u>	6	6'-3"	3"	7442 18	slightly plastic, garnierite chips. Yellow varicolored, clayey, damp.

Drill used <u>2" Auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>7/10/48</u>					
Shifts actually drilled <u>1½ hrs.</u>					

Remarks Hole abandoned upon hitting rock which apparently had veinlets of garnierite or some other bright green mineral in it.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MOUNTAIN Ni.

Project

Hole No. 4 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7443	magnetic, shots.
Depth to top of bed _____	0'	1'	1'	19 7444	Red brown, earthy, dry, few magnetic, shots.
Elev. of top of bed _____	1'	2'	1'	20 7445	Yellow brown, slightly damp, few magnetic, shots.
Thickness of bed _____	2'	3'	1'	21 7446	Yellow brown, damp, Very few clayey, shots.
Elev. bottom bed _____	3'	4'	1'	22 7447	Yellow brown, damp, plastic, clayey, shots.
Depth of hole <u>6'</u>	4'	5'	1'	23 7448	Yellow brown, very damp, plastic, clayey, shots, rock chips.
Elev. water table _____	5'	6'	1'	24	Yellow brown, very damp, plastic.
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
Number men <u>2</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>"</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/10/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 1/2 hr.</u>					

Remarks Half a dozen holes collared before getting one down to 6'. Hole located in a little flat.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 5 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7449	Magnetic shots.
Depth to top of bed			0'	1'	1'	25	Red brown, earthy, dry, few few magnetic shots.
Elev. of top of bed			1'	2'	1'	26	Yellow brown, slightly damp, very opal chips.
Thickness of bed			2'	3'	1'	27	Yellow brown, damp, magnetic shots shots, serpentine & opal chips.
Elev. bottom bed			3'	4'	1'	28	Yellow brown, damp, few magnetic magnetic chips, rock chips.
Depth of hole	6'		4	5	1'	29	Yellow brown, very damp, few few magnetic shots.
Elev. water table			5	6	1'	30	Yellow brown, very damp, plastic.
Bottomed in	Rock		6	7	1'	31	Olive drab, varicolored, gritty, slightly damp, few asbestos, very few magnetic shots, rock chips.

Drill used	2" Auger		7	8	1'	32	Olive drab, varicolored, gritty, slightly damp, few asbestos, very few magnetic shots, rock chips.
Number men	2						
Engr. in charge	Mason		8	9	1'	33	damp, asbestos, rock chips. Tan-olive drab, varicolored, gritt damp, asbestos, calcedony, rock c
Mtrl. classfd. by	"		9	10	1'	34	Tan-olive drab, varicolored, gritt asbestos, calcedony, rock chips.
Sampler	Jones		10	11	1'	35	Blue-gray, gritty, slightly damp, calcedony, green spots (serp.).
Date hole began	7/10/48		11	12	1'	36	Yellow brown, gritty, very damp,
Date hole finished	7/11/48						
Shifts actually drilled	3 hrs.						

Remarks Hole located in center of flat just west of ridge near saddle. Collar about
8-10' lower than ridge.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 6 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

		From	To	Thickness of sample	Sample No.	Description
Elev. collar	-				7461	magnetic shots.
Depth to top of bed	-	0	1	1'	37	Red brown, earthy, dry, very few
Elev. of top of bed	-	1	2	1'	7462	damp, no shots.
Thickness of bed	-	2	3	1'	38	Yellow brown, earthy, slightly
Elev. bottom bed	-	3	4	1'	7463	damp, no shots.
Depth of hole	5'	4	5	1'	39	Yellow brown, earthy, slightly
Elev. water table	-				7464	damp, no shots.
Bottomed in	Rock				40	Dark yellow brown, earthy, slightly
	*****				7465	Dark yellow brown, damp, rock chips
Drill used	3" Auger					
Number men	2					
Engr. in charge	Mason					
Mtrl. classfd. by	"					
Sampler	Jones					
Date hole began	7/11/48					
Date hole finished	"					
Shifts actually drilled	2 hrs.					

Remarks 5 other holes started in vicinity in attempt to miss rocks.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 7 Location _____

_____ of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

		From	To	Thickness of sample	Sample No.	Description
Elev. collar					7466	magnetic shots.
Depth to top of bed		0	1	1'	42	Red brown, earthy, firm, dry,
Elev. of top of bed		1	2	1'	7467 43	slightly damp, few magnetic shots. Yellow brown, earthy, firm,
Thickness of bed		2	3	1'	7468 44	slightly damp, few magnetic shots. Light yellow brown, earthy, firm,
Elev. bottom bed		3	4	1'	7469 45	gritty, hard, dry, few magn. shots Light yellow brown, white spots,
Depth of hole	<u>8' - 2"</u>	4	5	1'	7470 46	slightly damp, very few magn. shot Red yellow brown, earthy, soft,
Elev. water table		5	6	1'	7471 47	slightly damp, very few magn. shot Red yellow brown, earthy, soft,
Bottomed in	<u>Rock</u>	6	7	1'	7472 48	damp, very few magnetic shots. Red yellow brown, earthy, soft,
	*****	7	8 - 2"	1' - 2"	7473 49	very damp, very few magn. shots. Red yellow brown, clayey, plastic.
Drill used	<u>3" Auger</u>					
Number men	<u>2</u>					
Engr. in charge	<u>Mason</u>					
Mtrl. classfd. by	<u>"</u>					
Sampler	<u>Jones</u>					
Date hole began	<u>7/12/48</u>					
Date hole finished	<u>"</u>					
Shifts actually drilled	<u>2 hrs.</u>					

Remarks 2 holes started before getting down to 8'.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 8 Location _____of sec. _____ T. _____ R. _____ County Josephine

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7474	magnetic shots.
Depth to top of bed			0	1'	1	50	Red brown, earthy, dry, magnetic shots.
Elev. of top of bed			1	2'	1	51	Yellow brown, earthy, dry, magnetic shots.
Thickness of bed			2	3	1	52	Brown, earthy, slightly damp, shots.
Elev. bottom bed			3	4	1	53	Brown, earthy, damp, magnetic magnetic shots.
Depth of hole	15-2		4	5	1	54	Light grey brown, earthy, damp, magnetic shots.
Elev. water table			5	6	1	55	Grey brown, earthy, damp, clayey, plastic, magnetic shots.
Bottomed in	Rock		6	7	1	56	Grey brown, white spots, damp, clayey, plas., rock ch. magn. shot.
	*****		7	8	1	57	Yel. br., white & blue spots, damp, clayey, plastic, magnetic shots.
Drill used	3" & 2" Auger		8	9	1	58	Blue brown, white spots, damp, damp, clayey, plas., magn. shots.
Number men	3		9	10	1	59	Grey brown, varicol., dark bl. spot clayey, plas., magn. shots.
Engr. in charge	Mason		10	11	1	60	Yel. br., varicol. yel. spots, damp
Mtrl. classfd. by	Wolfe		11	12	1	61	Varicol., wh. spots, green spots, very damp, clayey, plastic, few magnetic shots.
Sampler	Jones					7486	
Date hole began	7/12/48		12	13	1	62	Varicol., wh. & gr. spots, very damp, clayey, plastic, few magnetic shots.
Date hole finished	7/13/48					7487	
Shifts actually drilled	4 hrs.		13	14	1	63	Gr. br., yel. spots, rock chips, blue spots, green, damp, clayey, plastic, few magnetic shots.
Remarks			14	15-2	1-2"	64	Light grey brown, firm, dry, few rock chips, few magnetic shots.

Holes on top of saddle 50' S. of 10' deep cut which has seam containing
garnierite.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 9 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7489	damp, mottled.
Depth to top of bed _____	0	1	1'	65	Brown, gritty, firm, slightly damp, mottled.
Elev. of top of bed _____	1	2	1'	66	Dark yellow brown, firm, slightly soft, slightly damp.
Thickness of bed _____	2	3	1'	67	Red brown, sandy-clayey, slightly clayey, slightly damp.
Elev. bottom bed _____	3	4	1'	68	Red brown, mottled, varicolored, firm, slightly damp.
Depth of hole <u>5'</u>	4	5	1'	69	Yellow brown, mottled, clayey.
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/13/48</u>					
Date hole finished <u>7/13/48</u>					
Shifts actually drilled <u>1 hr.</u>					

Remarks Hole located on ridge top. Four other holes attempted in general vicinity.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 10 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7494	magnetic shots.
Depth to top of bed _____	0	1	1'	70	Red brown, earthy, dry, very few few magnetic shots.
Elev. of top of bed _____	1	2	1'	71	Red yellow brown, slightly damp, damp, few magnetic shots.
Thickness of bed _____	2	3	1'	72	Dark yellow brown, gritty, slightly
Elev. bottom bed _____	3	4	1'	73	Brown, clayey, slightly damp, firm.
Depth of hole <u>10</u>	4	5	1'	74	Brown, clayey, slightly damp, firm. firm.
Elev. water table _____	5	6	1'	75	Grey brown, clayey, slightly damp, firm.
Bottomed in _____	6	7	1'	76	Grey brown, clayey, slightly damp, gritty, rock chips.
*****	7	8	1'	77	Grey brown, clayey, slightly damp, firm, weathered rock, few magn. sh
Drill used <u>2" Auger</u>	8	9	1'	78	Grey brown, clayey, slightly damp, rock chips.
Number men <u>3</u>	9	10	1'	79	Yellow brown, slightly damp, gritty
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/13/48</u>					
Date hole finished _____					
Shifts actually drilled _____					

Remarks Hole on ridge top.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 11 Location __________ of sec. _____ T. _____ R. _____ County Josephine

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7504	few magnetic shots.
Depth to top of bed			0	1	1'	80	Red brown, earthy, soft, dry, slightly damp, few magnetic shots.
Elev. of top of bed			1	2	1'	7505 81	Red yellow brown, earthy, soft, slightly damp, magnetic shots.
Thickness of bed			2	3	1'	7506 82	Red yellow brown, earthy, soft, soft, damp, magnetic shots.
Elev. bottom bed			3	4	1'	7507 83	Red yellow brown, slightly clayey, damp, few magnetic shots.
Depth of hole	<u>10' - 6"</u>		4	5	1'	7508 84	Red yellow brown, clayey, soft, damp, rock chips, few magn. shots.
Elev. water table	<u>-</u>		5	6	1'	7509 85	Green grey brown, clayey, soft, damp, rock chips, few magn. shots.
Bottomed in	<u>Rock</u>		6	7	1'	7510 86	Green grey, gritty, firm, slightly rock chips, very few magn. shots.
	<u>*****</u>		7	8	1'	7511 87	Blue green brown, gritty, damp, rock chips, few magnetic shots.
Drill used	<u>3" Auger</u>		8	9	1'	7512 88	Blue green, gritty, slightly damp, rock chips, few magnetic shots.
Number men	<u>3</u>		9	10	1'	7513 89	Blue green, gritty, slightly damp, rock chips, few magnetic shots.
Engr. in charge	<u>Mason</u>		10	10-6"	0'-6"	7514 90	Blue green, gritty, slightly damp, rock chips, few magnetic shots.
Mtrl. classfd. by	<u>Wolfe</u>						
Sampler	<u>Jones</u>						
Date hole began	<u>7/14/48</u>						
Date hole finished	<u>7/15/48</u>						
Shifts actually drilled	<u>1/2</u>						

Remarks Hole on ridge top. Considerable area of flat lying ground to west and north with a little to the south.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 12 Location _____of sec. _____ T. _____ R. _____ County Josephine

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7515	very few magnetic shots.
Depth to top of bed			0	1	1'	91	Red brown, earthy, soft, dry.
Elev. of top of bed			1	2	1'	7516 92	very few magnetic shots. Brown, earthy, soft, slightly damp.
Thickness of bed			2	3	1'	7517 93	shots. Brown, earthy, soft, damp, magnetic
Elev. bottom bed			3	4	1'	7518 94	shots. Brown, earthy, soft, damp, magnetic
Depth of hole	<u>16'</u>		4	5	1'	7519 95	shots. Brown, earthy, soft, damp, magnetic
Elev. water table			5	6	1'	7520 96	soft, damp, bl. sps., few mag. shot Dk. yellow br., slightly clayey.
Bottomed in	<u>Rock</u>		6	7	1'	7521 97	bl. spots, mottled, very few m. sh Dk. yel. brown, clayey, soft, damp.
	*****		7	8	1'	7522 98	soft, damp, plas., few magn. shots. Dk. brown, bl. spots, slightly mott.
Drill used	<u>3" Auger</u>		8	9	1'	7523 99	orange spots, plastic, few m. shot Bl. br., slightly mottled, soft, damp
Number men	<u>3</u>		9	10	1'	7524 100	spots, soft, pl., damp, magn. shot Bl. br., mottled, yellow-red-white-
Engr. in charge	<u>Mason</u>		10	11	1'	7525 101	spots, soft, pl. damp, few m. shot Bl. yel. br., mottled, yellow-red
Mtrl. classfd. by	<u>Wolfe</u>		11	12	1'	7526 102	spots, soft, damp, magnetic shots. Olive drab, mottled, yellow-red
Sampler	<u>Jones</u>		12	13	1'	7527 103	soft, damp, few magnetic shots. Olive drab, green-yellow-blue spots
Date hole began	<u>7/15/48</u>		13	14	1'	7528 104	soft, damp, few magnetic shots. Olive drab, green-yellow-blue spots
Date hole finished			14	15	1'	7529 105	soft, damp, few magnetic shots. Olive drab, yellow-blue-red spots
Shifts actually drilled			15	16	1'	7530 106	Blue-green, white-yellow-red-blue- orange spots, mottled, gritty, very firm, damp, very few magnetic shots.

Remarks _____

Hole on west side of ridge about 20 lower than ridge. Large lateritic, flat--

lying area surrounds hole.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 13 Location _____

_____ of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7531	
Depth to top of bed _____	0	1	1'	107	Red brown, earthy, damp.
Elev. of top of bed _____	1	2	1'	7532 108	Yellow brown, earthy, damp.
Thickness of bed _____	2	3	1'	7533 109	Yellow brown, earthy, damp.
Elev. bottom bed _____	3	4	1'	7534 110	Yellow brown, earthy, black spots, yellow & white spots, clayey, damp.
Depth of hole <u>8' - 6"</u>	4	5	1'	7535 111	Light yellow brown, black spots, damp.
Elev. water table _____	5	6	1'	7536 112	Light yellow brown, mottled, clayey spots, firm, slightly damp.
Bottomed in <u>Rock</u>	6	7	1'	7537 113	Yellow brown, varicolored, black damp.
*****	7	8	1'	7538 114	Light yellow brown, firm, slightly damp, rock chips.
Drill used <u>3" Auger</u>	8	8' - 6"	0' - 6"	7539 115	Light yellow brown, hard, slightly
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/15/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1/2 hr.</u>					

Remarks Hole in middle of large flat lying area just south of saddle.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MOUNTAIN HI.

Project

Hole No. 14 Location _____

_____ of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	7540 116	Red brown, earthy, dry.
Elev. of top of bed _____	1	2	1'	7541 117	damp. Red yellow brown, earthy, slightly
Thickness of bed _____	2	3	1'	7542 118	damp, rock chips 27' Red yellow brown, earthy, slightly
Elev. bottom bed _____					
Depth of hole <u>3'</u>					
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>3" Auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/15/48</u>					
Date hole finished <u>7/15/48</u>					
Shifts actually drilled <u>1/2 hr.</u>					

Remarks Six other holes put down in this area in attempt to avoid rocks.

WOODCOCK MOUNTAIN N1.

Project

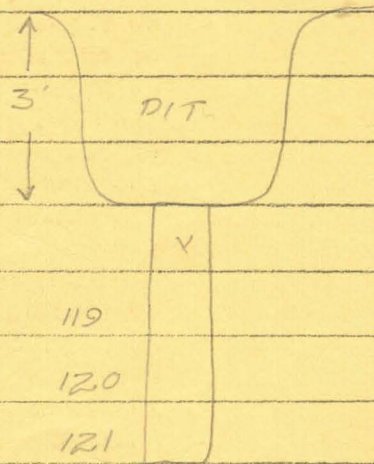
Hole No. 15 Location Location cut, Yellow Bird Claim

of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description	
Elev. collar _____			Not Taken	-		
Depth to top of bed _____	0	1		7543	Red brown, (probably slump)	
Elev. of top of bed _____	1	2	1'	119	Yellow brown, clayey, damp.	
Thickness of bed _____	2	3	1'	7544	gritty, damp.	
Elev. bottom bed _____	3	3'6"	0-6"	120	Yellow brown, clayey, slightly chips.	
Depth of hole <u>3' - 6"</u>				7545	121	Yellow brown, gritty, damp, rock
Elev. water table _____						
Bottomed in <u>Rock</u>						

Drill used <u>3" Auger</u>						
Number men <u>3</u>						
Engr. in charge <u>Mason</u>						
Mtrl. classfd. by <u>Wolfe</u>						
Sampler <u>Jones</u>						
Date hole began <u>7/16/48</u>						
Date hole finished <u>"</u>						
Shifts actually drilled <u>1 hr.</u>						



Remarks Hole collared in floor of pit. First foot not sampled since it was apparently slump material.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 16 Location Near 20" pine in "Sunken Valley"

of sec. _____ T. _____ R. _____ County _____

Coord.	No.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7546	
Depth to top of bed			0	1	1'	122	Red brown, earthy, soft, dry.
Elev. of top of bed			1	2	1'	7547 123	Red brown, earthy, soft, dry.
Thickness of bed			2	3	1'	7548 124	soft, slightly damp. Dark yellow, red brown, earthy,
Elev. bottom bed			3	4	1'	7549 125	soft, slightly damp. Dark yellow, red brown, earthy,
Depth of hole	<u>15 - 6"</u>		4	5	1'	7550 126	firm, slightly damp, rock chips. Yellow red brown, slightly clayey,
Elev. water table	<u>15' (?)</u>		5	6	1'	7551 127	slightly damp, few white spots. Yellow red brown, clayey, soft,
Bottomed in	<u>Rock</u>		6	7	1'	7552 128	damp, few white spots, rock chips. Yellow red brown, clayey, soft,
	*****		7	8'	1'	7553 129	damp, white spots. Yellow red brown, clayey, soft,
Drill used	<u>3" Auger</u>		8'	9'	1'	7554 130	damp, plastic, calcedony Yellow green brown, clayey, soft,
Number men	<u>3</u>		9'	10'	1'	7555 131	very soft, vy. damp, calcedony. Green yellow brown, clayey, plas.,
Engr. in charge	<u>Mason</u>		10	11	1'	7556 132	soft, vy. damp, spotted. Green yel. br., clayey, plas., vy.
Mtrl. classfd. by	<u>Wolfe</u>		11	12	1'	7557 133	sft, vy dmp, spo., wh yel rd bl. Green yel. br., clay., vy. pl., vy
Sampler	<u>Jones</u>		12	13	1'	7558 134	sft, vy dmp, spo., wh yel rd bl. Green yel. br., clay., vy. pl., vy
Date hole began	<u>7/16/48</u>		13	14	1'	7559 135	vy. dmp, spotted, calcedony. Green br rd., clay., sl. grit., sft
Date hole finished	<u>"</u>		14	15	1'	7560 136	sl. fm, vy dmp, sp., calc, dunitite. Green bl. br., clay., sl. gritty,
Shifts actually drilled	<u>2 hrs.</u>		15	15'-6"	1'	7561 137	firm, vy damp, spotted, calcedony. Green bl. br., clayey, sl. gritty,

Remarks _____

Len

2033 First Street Baker, Oregon 1069 State Office Building Portland 1, Oregon 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 fully and submit this blank filled out along with the sample.

Your name in full Len Ramp (DOGAMI)

Street or P.O. Box P.O. Box 417 City & State Grants Pass, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 5/19/61

Name (or names) of owners of the property Nickel Corp.

Are you hiring labor? _____ Are you milling or shipping ore? _____

Name of claim sample obtained from Woodcock Mountain

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 Waldo

Township 39 S Range 9 W Section 25 Quarter section NW of SE

How far from passable road? 3220' elev. Name of road Woodcock Mtn.

Channel (length)	Grab	Assay for	Description
------------------	------	-----------	-------------

Sample no. 1	<u>8 feet</u>	<u>Ni</u>	<u>Vertical cut in N. wall of trench above dolerite dike.</u>
--------------	---------------	-----------	---

Sample no. 2	_____	_____	_____
--------------	-------	-------	-------

(Samples for assay should be at least 1 pound in weight)

(Signed) Len Ramp

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Sample Description Red to yellow-brown lateritic soil derived from peridotite.

Sample number	GOLD		SILVER		NICKEL			
	oz./T.	Value	oz./T.	Value	Ni			
P-26465	---	--	---	--	0.88%	---	---	---
VG-105	---	--	---	--	0.88%	---	---	---

Report issued _____ Card filed _____ Report mailed 6-15-61 Called for _____

February 7, 1942

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

WOODCOCK GARNIERITE (nickel)

Waldo area

Small amounts of nickel silicate (garnierite ?) are associated with a peridotite country rock on the south end of Woodcock Mt. The zone of weathering is shallow. Insufficient development work has been done to permit conclusions as to quantity or quality.

Owners: Ed. J. Wilber, Kerby, Oreg.; Henry C. Leming, Henry D. Payne, and John K. Wilber, Harbor, Oreg.; Herbert E. Scheidt, Brookings, Oreg.; Collier H. Buffington, Gold Beach, Oreg. (see Mining Records, book 41, pp. 128, 129, 141, 142, 143, 144).

Location: The claims are grouped around the common section corner of secs. 25 & 36, T. 39 S., R. 9 W., & sec. 31, T. 39 S., R. 8 W., on the southwest end of Woodcock Mt. at an elevation of 3000 feet.

Area: Five standard quartz claims.

History: None given.

Topography: Steep peridotite hillside, with numerous rock outcrops. Elevation is 2500'-3000' and about 1700' above the Illinois Valley floor. Rainfall is heavy during winter months. Little, to no, snowfall. Limited to no water supply during summer months.

Development: One inclined shaft, reported as 90' long but now filled with water; one large cut, 30' long; one smaller cut 10' long; another about 15' long. Numerous pits are reported. Such development work as has been done is scattered over a wide area.

Geology: The country rock is peridotite, or saxonite, with large crystals of enstatite. It is fairly fresh and unweathered at the surface outcrops and weathering is not deep. The soil is mahogany red and ranges in depth from a few inches to several feet.

Secondary chalcedonic silica is common. On the surface, it is cellular and porous. Below the surface it is more massive and seems to occupy fracture planes. No organization of these "silica dikes" was noted on account of the poor outcrops. Garnierite (?) may be scattered through the silica in varying amounts, and some may be found in the overburden.

The area is characterized by relatively steep slopes and shallow overburdens.

Mining: Little work beyond assessment work has been done.

Informant: Ray C. Treasher, February 5, 1942.

Report by: RCT, February 6, 1942

No photos
No maps

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Grants Pass, Oregon
 Baker, Oregon

December 5 19 41

Sample submitted by Herbert E. Scheidt, Box 136 Brookings, Oregon

Sample description: _____

The assay results recorded below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay results recorded below are from a sample furnished by the above named person. This Department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

Sample Number	GOLD		SILVER		Nickel				Total Value
	Ounces per ton	Value	Ounces per ton	Value	Percent	Value	Percent	Value	
3	0.01				2.31				

Market Quotations:

Gold	⌘	per oz.
Silver	⌘	per oz.
	⌘	per lb.
	⌘	per lb.

STATE ASSAY LABORATORY

R. G. Bassett
 Assayer

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY LABORATORIES

Baker

SAMPLE INFORMATION REQUESTED.

Grants Pass

The law passed by the Legislature, governing the free assaying and analyzing of samples sent to the State Assay Laboratories, provides that certain information be furnished the Laboratory regarding samples sent for assay, etc. A copy of this law will be found on the back of this blank. Please read the law carefully. Will you please fill in the information called for on the following blank, as far as possible and return the same to the nearest State Assay Laboratory along with your sample? If you have made out a blank, this copy is for your future use. Keep a copy of the information on each sample for your own reference.

Your name in full **Henry C. Leming (Ray C. Treasher)**

Postoffice address **Harbor, Oregon**

Are you a citizen of Oregon? **Yes** . . Date on which sample is sent **11/24/41**

Name (or names) of owners of the property **Henry C. Leming**

Name of particular claim and date of location **"Lorraine", October 21, 1941**

Location of property or source of sample (describe as accurately as possible below):

(1) County **Josephine** (2) Mining district **Waldo**

(3) Township **39 S** (4) Range **3W** (5) Section **25/31** (6) Quarter Section

How far from passable road? **4 miles**

Do you wish the sample examined for commercial minerals? **Yes**

For what metals do you wish the sample assayed? **Nickel**

Type of sampling: Channel (length) Grab Pipe

IMPORTANT: A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value; they create little interest in the minds of experienced investors and engineers.

(signed) **Ray C. Treasher**

DO NOT WRITE BELOW THIS LINE -- FOR OFFICE USE ONLY -- USE OTHER SIDE IF DESIRED

Description _____

Sample Number	GOLD		SILVER		Percent	Nickel Percent		
	oz./ T	Value	oz./ T	Value				
						1.57		

B6-1296

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY LABORATORIES

Baker

SAMPLE INFORMATION REQUESTED.

Grants Pass

The law passed by the Legislature, governing the free assaying and analyzing of samples sent to the State Assay Laboratories, provides that certain information be furnished the Laboratory regarding samples sent for assay, etc. A copy of this law will be found on the back of this blank. Please read the law carefully. Will you please fill in the information called for on the following blank, as far as possible and return the same to the nearest State Assay Laboratory along with your sample? If you have made out a blank, this copy is for your future use. Keep a copy of the information on each sample for your own reference.

Your name in full . . . **Ray C. Treasurer for J. J. Strutzel**

Postoffice address

Are you a citizen of Oregon? Date on which sample is sent

Name (or names) of owners of the property

Name of particular claim and date of location

Location of property or source of sample (describe as accurately as possible below):

(1) County . **Josephine** (2) Mining district . **Waldo**

(3) Township . **39 S** (4) Range . **9 W** (5) Section **25/36** (6) Quarter Section

and **39 S 8 W 31**

How far from passable road? . **1 1/2** miles

Do you wish the sample examined for commercial minerals? **Yes**

For what metals do you wish the sample assayed? **nickel only**

Type of sampling: Channel (length) Grab Pipe

IMPORTANT: A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value; they create little interest in the minds of experienced investors and engineers.

(signed)

DO NOT WRITE BELOW THIS LINE -- FOR OFFICE USE ONLY -- USE OTHER SIDE IF DES'D

Description _____

Sample Number	GOLD		SILVER		Nickel Percent	Percent		
	oz./ T	Value	oz./ T	Value				
1600					1.31			
1601					0.86			
1602					1.37			
1603					1.11			

C B-88-79
90
91

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Grants Pass, Oregon
Baker, Oregon

December 5 1941

Sample submitted by Henry Payne, Harbor, Oregon

Sample description: Altered lava.

The assay results recorded below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay results recorded below are from a sample furnished by the above named person. This Department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

Sample Number	GOLD		SILVER		Nickel		Percent	Value	Total Value
	Ounces per ton	Value	Ounces per ton	Value	Percent	Value			
1	None				2.07				

Market Quotations:

Gold	\$	per oz.
Silver	\$	per oz.
	\$	per lb.
	\$	per lb.

STATE ASSAY LABORATORY

R. G. Bassett
Assayer

February 7, 1942

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

WOODCOCK GARNIERITE

Waldo area

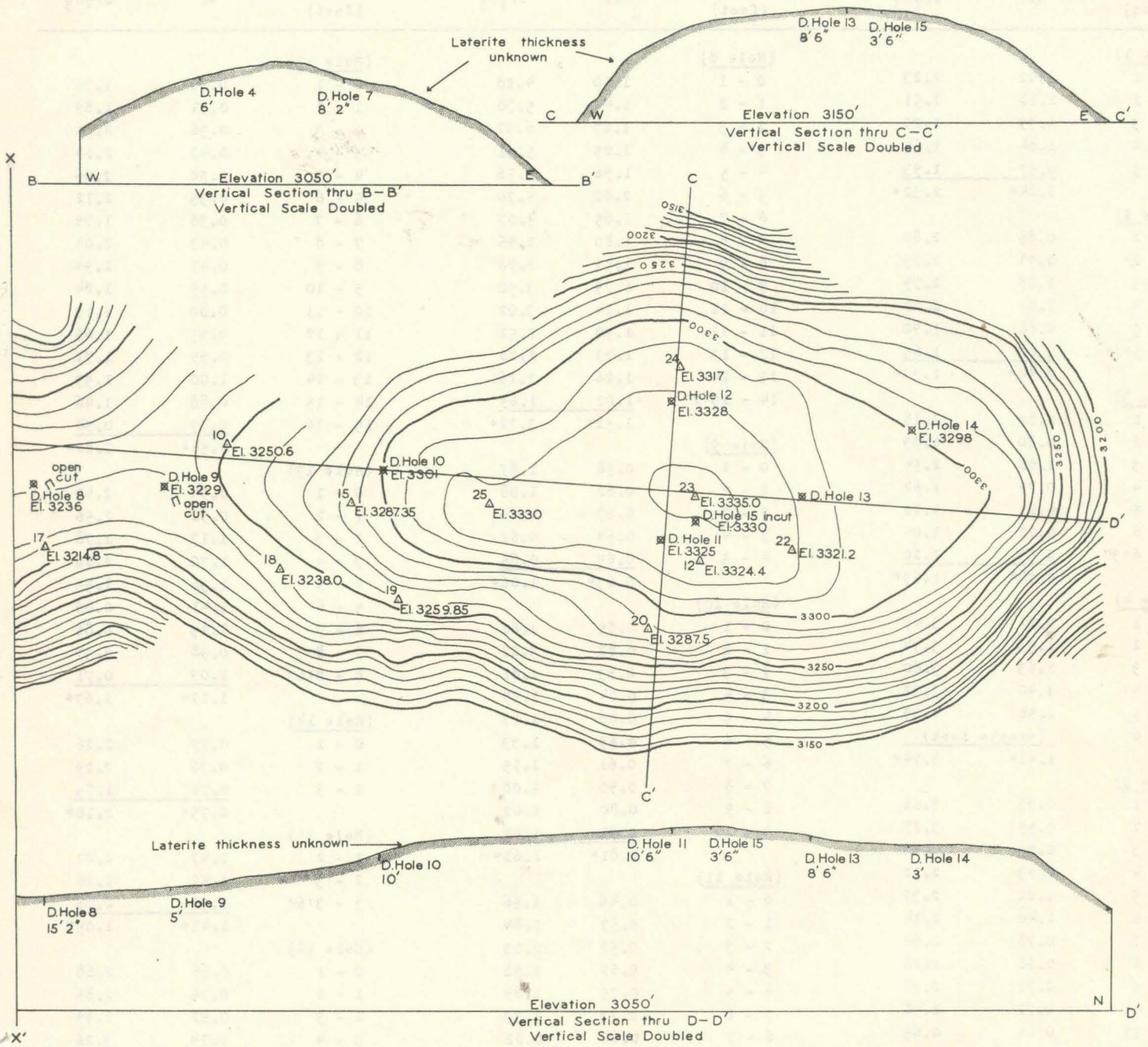
This inspection was made during a heavy rail storm! The guide, Henry Payne, was rather uncommunicative, and seemed somewhat unfamiliar with the situation. Henry Leming, who is the principal promoter, was unable to accompany us, as "he could hike well". We discovered that a Mr. Benson, of the U.S.B.M., had examined and sampled the locality last fall but we were not advised of this until we were on the property.

Little work has been done to open the property. Some garnierite shows in the cuts but the showing is very poor compared with Nickel Mt. Hillsides are steep and fresh rock outcrops at the surface; this is an unfavorable situation for the concentration of garnierite. A few high grade masses were seen but mainly the garnierite has to be imagined from the greenish color of the rock.

The owners began their activity last fall by presenting a quantity of samples for assay. They became quite upset when we would assay only two, and they were inclined to get slightly nasty. Since then they have urged a field examination, which was finally made, but without any statements as to the former examination. Leming's story and Payne's story fail to check on numerous points and somehow the whole thing has an unhealthy aspect to me.

The trip was made by Joe Strutzel, Pres Hotz, Henry Payne, and Ray Treasher. At some later date, Strutzel and I will visit the property "on our own" when we can cruise around and really get some information. Mr. Payne seemed anxious to show us only what we were supposed to see.

Ray C. Treasher
Field Geologist
February 6, 1942.



SUMMIT of the SOUTH HALF
of
WOODCOCK MOUNTAIN
TOPOGRAPHIC MAP AND SECTIONS

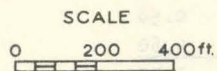
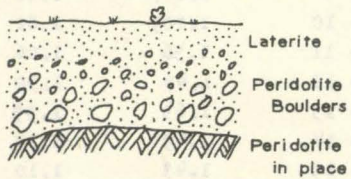
Josephine County, Oregon
Secs. 24, 25 T. 39 S. R. 9 W.
Secs. 19, 30 T. 39 S. R. 8 W.

Surveyed July, 1948

by the

STATE OF OREGON DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

IDEALIZED LATERITE SECTION



- ⊗ Auger Holes Drilled by Dept.
- Open Cuts
- △ Plane Table Stations
- Elevation assumed

ANALYSES OF WOODCOCK MOUNTAIN NICKEL-BEARING LATERITE SAMPLES

Thickness of sample (feet)	Percent Ni	Percent Cr ₂ O ₃	Thickness of sample (feet)	Percent Ni	Percent Cr ₂ O ₃	Thickness of sample (feet)	Percent Ni	Percent Cr ₂ O ₃
(Hole 1)			(Hole 8)			(Hole 12)		
0 - 1	1.02	2.23	0 - 1	1.10	4.28	0 - 1	0.29	1.76
1 - 2	1.18	2.51	1 - 2	1.40	5.30	1 - 2	0.31	1.89
2 - 3	1.39	2.27	2 - 3	1.68	6.37	2 - 3	0.36	2.00
3 - 4	1.04	2.64	3 - 4	1.25	5.51	3 - 4	0.47	2.14
4 - 5	0.57	1.93	4 - 5	1.96	4.56	4 - 5	0.50	2.06
	1.04*	2.32*	5 - 6	2.02	4.70	5 - 6	0.35	2.12
(Hole 2)			6 - 7	1.85	4.07	6 - 7	0.38	1.79
0 - 1	0.85	2.80	7 - 8	1.80	2.96	7 - 8	0.43	2.04
1 - 2	0.91	2.79	8 - 9	1.51	2.78	8 - 9	0.47	1.94
2 - 3	1.08	2.79	9 - 10	1.79	3.50	9 - 10	0.59	1.84
3 - 4	1.02	2.08	10 - 11	1.14	3.02	10 - 11	0.80	2.19
4 - 5	0.88	1.90	11 - 12	1.50	2.52	11 - 12	0.95	1.66
5 - 5'8"	0.88	1.65	12 - 13	1.33	2.26	12 - 13	0.99	1.72
	0.94*	2.33*	13 - 14	1.26	2.26	13 - 14	1.00	1.59
(Hole 3)			14 - 15'2"	1.02	1.69	14 - 15	0.88	1.46
0 - 1	0.82	2.18		1.51*	3.72*	15 - 16	0.79	0.98
1 - 2	0.80	1.99	(Hole 9)				0.54*	1.82*
2 - 3	1.08	2.54	0 - 1	0.58	1.87	(Hole 13)		
3 - 4	0.79	1.62	1 - 2	0.62	1.08	0 - 1	0.74	2.40
4 - 5	0.65	1.11	2 - 3	0.67	0.86	1 - 2	0.92	2.56
5 - 6	0.72	1.04	3 - 4	0.64	0.62	2 - 3	1.17	2.78
6 - 6'3"	0.59	1.10	4 - 5	0.65	0.85	3 - 4	1.30	2.66
	0.78*	1.65*		0.63*	1.06*	4 - 5	1.36	1.55
(Hole 4)			(Hole 10)			5 - 6	1.41	0.88
0 - 1	0.92	3.47	0 - 1	0.85	2.62	6 - 7	1.15	0.88
1 - 2	1.53	3.74	1 - 2	0.82	3.22	7 - 8	0.98	0.57
2 - 3	1.63	3.80	2 - 3	0.93	1.81	8 - 8'6"	1.03	0.71
3 - 4	1.40	3.32	3 - 4	0.84	1.59		1.12*	1.67*
4 - 5	1.58	4.39	4 - 5	0.88	1.27	(Hole 14)		
5 - 6	(sample lost)		5 - 6	0.69	1.33	0 - 1	0.77	2.26
	1.41*	3.74*	6 - 7	0.61	1.15	1 - 2	0.76	2.29
(Hole 5)			7 - 8	0.90	1.08	2 - 3	0.72	1.75
0 - 1	0.93	3.61	8 - 9	0.80	1.02		0.75*	2.10*
1 - 2	0.99	3.27	9 - 10	0.71	1.01	(Hole 15)		
2 - 3	0.95	2.60		0.81*	1.61*	1 - 2	1.47	1.02
3 - 4	0.93	2.52	(Hole 11)			2 - 3	1.45	1.26
4 - 5	1.21	2.37	0 - 1	0.46	1.56	3 - 3'6"	1.32	0.86
5 - 6	1.40	2.14	1 - 2	0.59	1.84		1.41*	1.05*
6 - 7	0.78	0.94	2 - 3	0.57	2.03	(Hole 16)		
7 - 8	0.68	1.28	3 - 4	0.61	1.91	0 - 1	0.66	2.68
8 - 9	0.71	0.75	4 - 5	0.75	1.89	1 - 2	0.75	2.86
9 - 10	0.71	1.08	5 - 6	0.73	1.33	2 - 3	0.92	2.99
10 - 11	0.64	0.65	6 - 7	0.60	0.82	3 - 4	1.14	3.26
11 - 12	0.91	2.94	7 - 8	0.61	0.73	4 - 5	1.12	3.23
	0.90*	2.01*	8 - 9	0.67	0.68	5 - 6	1.07	2.92
(Hole 6)			9 - 10	0.52	0.58	6 - 7	0.97	2.56
0 - 1	0.75	2.94	10 - 10'6"	0.42	0.60	7 - 8	1.18	2.45
1 - 2	0.98	2.89		0.59*	1.27*	8 - 9	1.097	2.08
2 - 3	0.83	1.42	(Hole 7)			9 - 10	1.207	1.82
3 - 4	0.95	2.41	0 - 1	0.97	4.60	10 - 11	1.36	1.26
4 - 5	1.05	2.09	1 - 2	1.15	3.99	11 - 12	1.49	1.90
	0.91*	2.35*	2 - 3	1.12	3.96	12 - 13	1.63	1.93
(Hole 7)			3 - 4	0.99	3.73	13 - 14	1.43	1.17
0 - 1	0.97	4.60	4 - 5	1.21	4.85	14 - 15	1.43	1.10
1 - 2	1.15	3.99	5 - 6	1.13	3.44	15 - 15'6"	1.23	0.99
2 - 3	1.12	3.96	6 - 7	1.40	4.13		1.16*	2.20*
3 - 4	0.99	3.73	7 - 8'2"	1.66	4.30			
4 - 5	1.21	4.85		1.20*	4.12*			
5 - 6	1.13	3.44						
6 - 7	1.40	4.13						
7 - 8'2"	1.66	4.30						
	1.20*	4.12*						

*Arithmetical average.

8.75
2.69 m

98/25

2.08

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
Head Office: 702 Woodlark Building, Portland 5, Oregon

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Field Offices

2033 First Street, Baker
N. S. Wagner, Field Geologist

714 East "H" Street, Grants Pass
Harold D. Wolfe, Field Geologist

EXPLORATION OF NICKEL-BEARING LATERITE
ON WOODCOCK MOUNTAIN, JOSEPHINE COUNTY, OREGON

By
Ralph S. Mason*

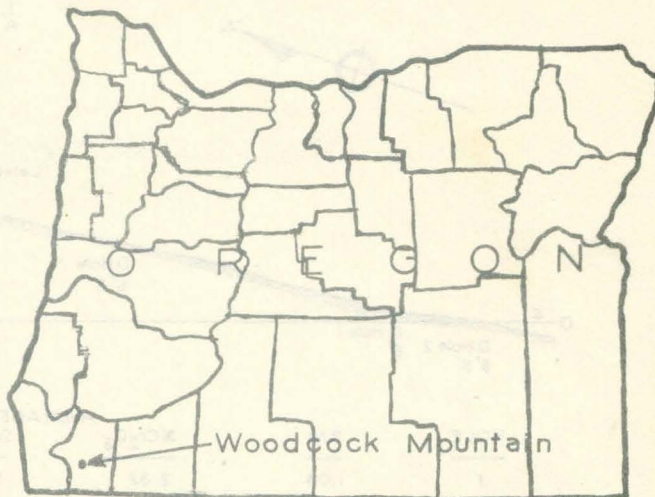
Introduction

Following a preliminary reconnaissance and sampling of laterite on Woodcock Mountain in the summer of 1947, a drilling and mapping program was carried out by the department during July 1948. The work was a continuation of the department's investigation of nickel-bearing laterites begun in 1946. Progress reports of this work appeared in the March 1947 and the May 1948 issues of the Ore.-Bin.

Sampling and mapping in 1948 was done by the author assisted by Mr. Harold Wolfe, department field geologist stationed at Grants Pass, and Mr. Irving Jones.

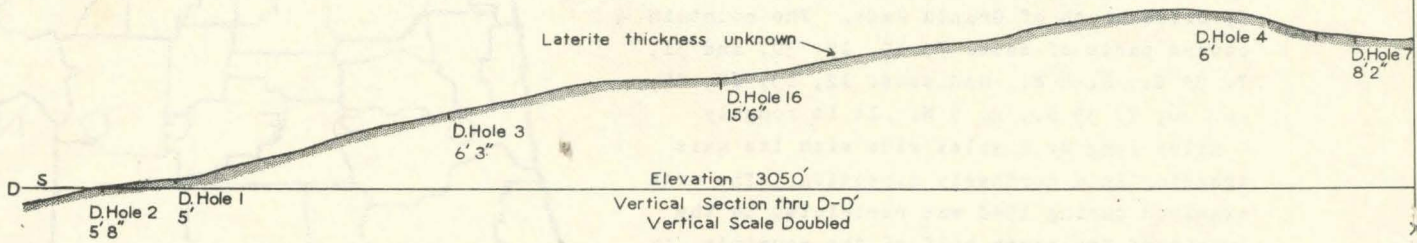
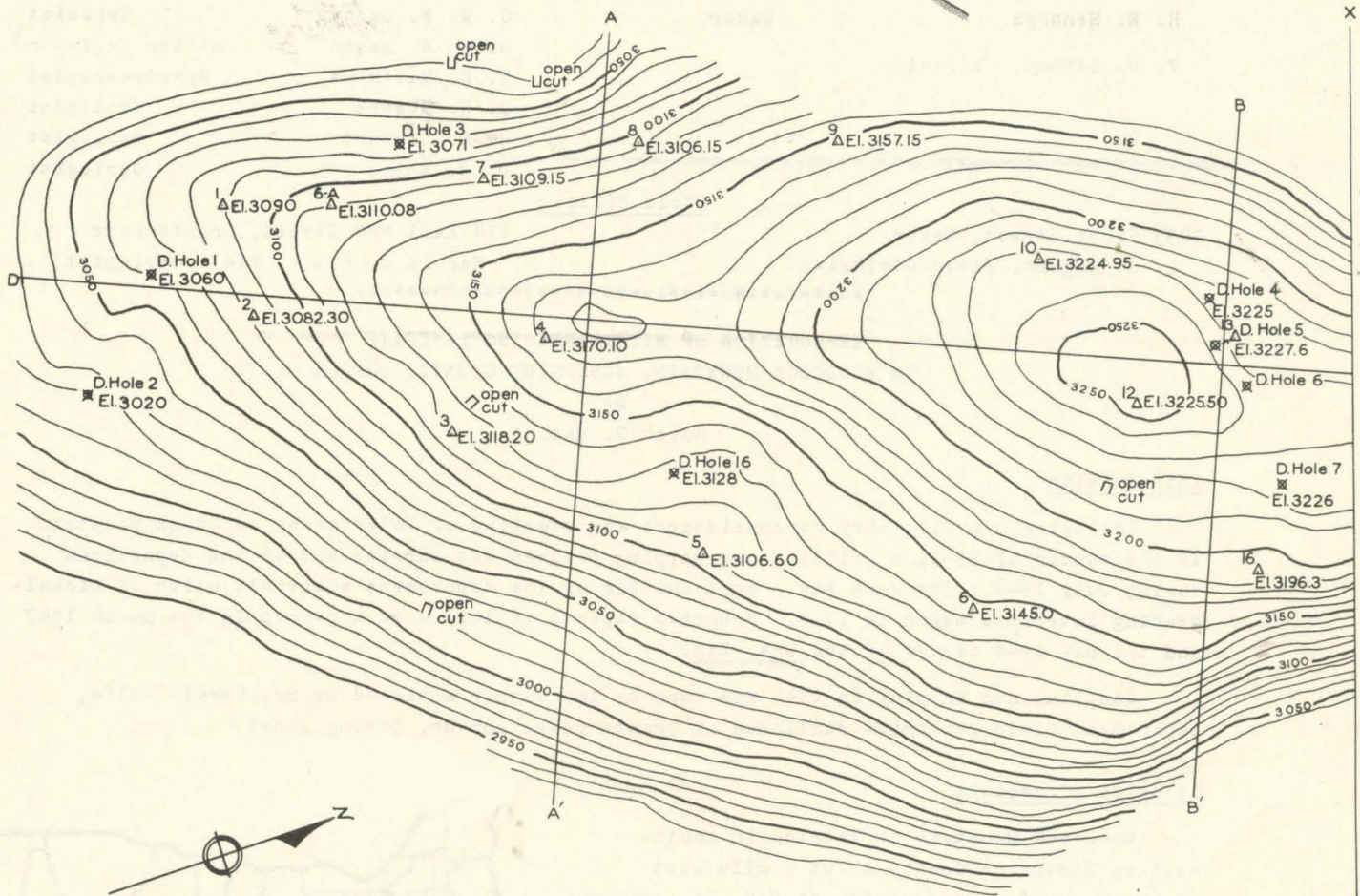
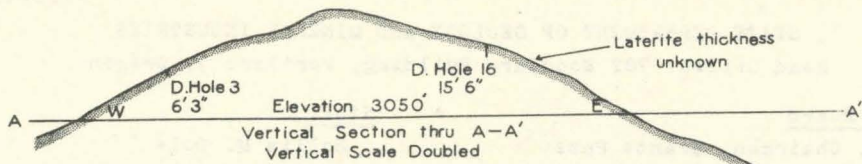
Location of deposit

Woodcock Mountain is located in south-western Josephine County about a mile west of the town of Cave Junction on U.S. Highway 199, 35 miles south of Grants Pass. The mountain covers parts of secs. 7, 18, 19, 30, and 31, T. 39 S., R. 8 W., and secs. 12, 13, 24, 25, and 36, T. 39 S., R. 9 W. It is roughly 4 miles long by 2 miles wide with its axis trending in a northerly direction. The area examined during 1948 was restricted to the summit of the south half of the mountain, an area measuring roughly 1700 by 7000 feet. The southern portion of the mountain is reached by driving about one mile on the graveled road leading west from U.S. Highway 199 just south of the Illinois River bridge about 2 miles south of Cave Junction. From an abandoned house at the end of the road, a dim trail can be followed up the southeast slope of the mountain.



The greater portion of the land covered by the area studied lies within the U.S. Forest Service boundary. Sec. 36, T. 39 S., R. 9 W., is state land and the W $\frac{1}{2}$ sec. 31, T. 39 S., R. 8 W., is Oregon and California Railroad revested land. The NW $\frac{1}{4}$ sec. 30, T. 39 S., R. 8 W., is public domain and the SW $\frac{1}{4}$ of the section is part county land and part privately owned.

*Mining Engineer, Oregon Department of Geology and Mineral Industries.



AVERAGE ANALYSES OF AUGER HOLE SAMPLES

HOLE	%Ni	%Cr ₂ O ₃	DEPTH	HOLE	%Ni	%Cr ₂ O ₃	DEPTH
1	1.04	2.32	5'	9	0.63	1.06	5'
2	0.94	2.33	5' 8"	10	0.81	1.61	10'
3	0.78	1.65	6' 3"	11	0.59	1.27	10' 6"
4	1.41	3.74	6'	12	0.54	1.82	16'
5	0.90	2.01	6'	13	1.12	1.67	8' 6"
6	0.91	2.35	5'	14	0.75	2.10	3'
7	1.20	4.12	8' 2"	15	1.41	1.05	3' 6"
8	1.51	3.72	15' 2"	16	1.16	2.20	15' 6"

Geology

The surface of the mountain shows outcrops of rock and loose boulders in many places. The soil which supports a sparse growth of small pines and underbrush ranges in color from tawny yellow through brick red to maroon. Myriad, round grains or "shots" of magnetite, limonite, and rock are scattered over the surface. In some places the "shots" may completely cover the surface.

Numerous open cuts dot the crest and upper slopes of the mountain. Most of these are badly caved and were apparently dug for location cuts by locators about ten years ago. No signs of recent activity were observed.

Woodcock Mountain lies along the western edge of the Illinois River Valley, and just inside the eastern margin of a ten-mile wide belt of rocks of the peridotite clan which intruded Mesozoic rocks. Peridotite is usually composed largely of olivine and may have some minor amounts of other iron-magnesian minerals. There are several varieties of peridotite all of which are usually somewhat weathered. Miners and prospectors refer to these rocks as "serpentine." A small amount of nickel, about 0.1 to 0.3 percent, occurs in the olivine which, upon laterization, loses its magnesium, part of its silica, and some of its iron. Nickel is dissolved and is deposited irregularly below the surface either combined with iron hydroxide or as hydrous nickel silicates which are grouped under the name of garnierite.

An open cut, near Hole 8, exposed a thin vertical seam of garnierite which extended from just below the surface down to the floor of the cut 10 feet below the surface. This was the only garnierite found in the area mapped. As has been previously described, garnierite is found commonly in limonite-silica boxwork pattern on Nickel Mountain in Douglas County.*

Field work

Sixteen auger holes having a total footage of 129 feet were drilled by hand. Samples were taken at one-foot intervals the full length of each hole. A complete log of each hole was kept. Color, texture, moisture, ease of drilling, and magnetic qualities of the cuttings were recorded. A topographic map covering 27 acres was made on a scale of 200 feet to the inch with a 10-foot contour interval (see pp. 16 and 17).

Both 2-inch and 3-inch hand augers of the "Iwan" type were used, together with an inch and a half coal auger and 2-inch chisel bit. Much difficulty was experienced in drilling owing to great numbers of rocks in the laterite zone. All of the holes had to be abandoned short of the desired depth because of this condition. As would be expected the proportion of boulders in the laterite increased with depth. Although the thickness of the laterite zone was not determined, one hole (No. 12) apparently was approaching the lower part of the zone when it was abandoned at 16 feet. At this depth the cuttings were bluish-green with varicolored spots, in contrast to the usual red or yellowish-brown of the upper zone.

Each sample was analyzed in the department laboratory for Ni (nickel) and Cr_2O_3 (chromium oxide). The results of these analyses are shown in the accompanying tabulation. A typical section of the laterite, as revealed by drilling, shows a gradual change from reddish or yellowish-brown earthy material near the surface to a darker brown, mottled, clayey zone which becomes olive drab, or blue gray with numerous varicolored spots at depth. Magnetic "shots" were found scattered through all horizons but there was no apparent pattern to their occurrence. Nickel content of the samples varied from 0.29 to 2.02 percent; the Cr_2O_3 content was from 0.58 to 6.37 percent. Generally speaking, samples containing the highest percentages of nickel likewise had the highest chromium oxide content. From a visual examination of the cuttings it is not possible to estimate what the amounts of either nickel or chromium oxide are.

* Orc.-Bin, May 1948.

The sample containing the most nickel, 2.02 percent, from Hole 8 was gray-brown and earthy. This is almost identical in appearance to material containing only 0.61 percent nickel in Hole 10. Insufficient drilling has been done to show at what horizon, if any, the greatest concentration of nickel occurs. The erosion of the surface of the area studied, particularly the steeper slopes, is probably fairly rapid. Variations in the slope and subsurface conditions affect the thickness of the lateritic zone. The thickness of this zone in turn affects the concentration and location of the nickeliferous horizons. Slumping probably has occurred on the east slope especially near the north end. In Hole 4 the concentration of nickel was close to the surface while in Hole 16 a comparable amount was not encountered until a depth of more than 12 feet was reached. Hole 4 is located on a fairly steep hillside; Hole 16 was drilled in a small flat-lying area with high ground on two sides.

Accurate estimation of tonnage of reserves within the limits of the area is impossible for the following reasons:

- (1) Insufficient number and shallowness of holes;
- (2) variation in thickness of laterite section;
- (3) variation in nickel content with depth and from hole to hole;
- (4) unknown volume of loose, unweathered rocks scattered throughout lateritic zone.

It is probable that the most satisfactory method of sampling the laterite section and estimating the quantity of boulders contained would be by sinking a sufficient number of pits through the laterite to bedrock on coordinates throughout the area.

MERCURY IN THE FOURTH QUARTER OF 1948*
(Including summary for the entire year)

The serious drop in domestic production of mercury that had been threatening for many months took place in the fourth quarter of 1948, according to the Bureau of Mines, United States Department of the Interior. Production of 2,050 flasks in October-December 1948 was approximately one-half of the average for the first three quarters. Production for 1948 was the smallest since 1933 and in the fourth quarter was at an annual rate lower than in any year since 1926. Only two of the larger producers, the Mt. Jackson and Bonanza mines were in operation at the year end.

The world situation of oversupply in 1947 continued in 1948 and production in excess of needs, plus stocks already on hand, pressed for a market. The resultant extension of the fall in prices was to be expected. The average domestic price of \$76.49 for 1948 was 9 percent below 1947 and amounted to only 39 percent of the 1942-43 average. The mark-up of \$14 a flask in the cartel selling quotation for mercury after mid-December, brought the domestic price to \$90+. Offerings at a wide range of quotations were reported as the year closed.

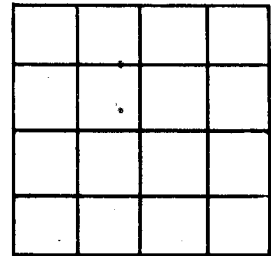
Imports of mercury in the fourth quarter rose substantially over those in July-September and the total for 1948 was more than 4 times as large as in 1947. Spain supplied 65 percent of the 1948 total, Italy 12 percent, Mexico 10 percent, and Japan 9 percent. Exports and re-exports again amounted to only a small fraction of imports.

Consumption of mercury was at a high rate in 1948, surpassing the relatively high peacetime level in 1947 by 28 percent. Chief reason for the sharp advance was the completion during the year of two new chlorine and caustic soda plants at Syracuse, N.Y., and Wyandotte, Michigan. Otherwise the use of mercury for agricultural purposes had the largest gain in 1948. The manufacture of pharmaceuticals and of antifouling paint also rose in 1948, whereas the new cell (included in electrical apparatus) failed to hold important 1947 gains although continuing to absorb a large quantity of mercury.

* From U.S. Bureau of Mines Mercury Report No. 89.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES
 Head Office: 702 Woodlark Bldg., Portland 5, Oregon

Field Offices:
 2033 First Street, Baker, Oregon
 714 East "H" Street, Grants Pass, Oregon



~~Form 100~~
 Date 8-13 1947 Number HOLE NO. 1
 Recorded by RS. MASON Source _____
 County JOSEPHINE Area _____
 Quadrangle KERRI 1 1 sec. T 39 N/S., R 9 W.

(Drilling Company and Address)
 Method of Drilling HAND AUGER Date 8-13-47 19

REISSUE NO. 2 CLAIM - GEO. DEELE
 (Property Owner and Address)

Land surface, datum _____ ft. above
 below

Material	Thickness (feet)	Depth (feet)	Remarks
			COLLAR OF HOLE 5' BELOW SURFACE
<u>YELLOW-BROWN SOIL</u>	<u>1"</u>	<u>0-1</u>	<u>NO SHOTS</u>
<u>HOLE NO. 2</u>			
<u>300' ± NORTH OF HOLE NO. 1</u>			
<u>RED-BROWN SOIL - SHOTS</u>	<u>0-1/4"</u>		COLLAR (A) <u>FRONTIER</u> <u>1/4" DIAMETER</u>
<u>YELLOWISH-BROWN</u>	<u>1/6" - 2 1/2"</u>		<u>NO SHOTS</u>
" "	<u>2 1/6" - 3 1/6"</u>		" " <u>(DRY)</u>
" "	<u>3 1/6" - 3-8"</u>		<u>NO SHOTS</u>
<u>BOSSOM AT 3'-8"</u>			

AT

W
16

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

Redbird No. 2 Claim

Project

Hole No. 1 Location Kerby Quadrangle. N. E. slope of Woodcock Mtn.

of sec. 19 T. 39S R. 8W County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>3260</u>					
Depth to top of bed _____	<u>0' - 0"</u>	<u>1' - 0"</u>	<u>1'</u>	<u>P6529</u>	<u>Yellow-brown soil No shots</u>
Elev. of top of bed _____					
Thickness of bed _____					
Elev. bottom bed _____					
Depth of hole <u>1' - 0"</u>					
Elev. water table _____					
Bottomed in <u>Solid rock</u>					

Drill used <u>3" hand auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Libbey</u>					
Mtrl. classfd. by <u>Dole</u>					
Sampler <u>Mason</u>					
Date hole began <u>8-13-47</u>					
Date hole finished <u>8-13-47</u>					
Shifts actually drilled <u>1/2</u> hr.					

Remarks Hole abandoned when solid rock encountered. Collar of hole in bottom of
loc. cut 5' below surface.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

Redbird No. 2 Claim
Project

Hole No. 2 Location Kerby Quadrangle 300' / N60°E. of Hole No. 1. Elev. 3255

of sec. 19 T. 29S R. 8W County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>3255</u>					
Depth to top of bed <u>6"</u>	<u>0' - 6"</u>	<u>1' - 6"</u>		<u>P6531</u>	<u>Red - Brown Soil - Shots</u> <u>Top 6" Discarded</u>
Elev. of top of bed _____	<u>1' - 6"</u>	<u>2' - 6"</u>		<u>P6532</u>	<u>Yellowish-Brown</u> <u>No Shots</u>
Thickness of bed _____	<u>2' - 6"</u>	<u>3' - 8"</u>		<u>P6533</u>	<u>Yellowish-Brown</u> <u>No Shots (Dry)</u>
Elev. bottom bed _____					
Depth of hole <u>3' - 8"</u>					
Elev. water table _____					
Bottomed in <u>Limonite?</u>					

Drill used <u>3" auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Libbey</u>					
Mtrl. classfd. by <u>Dole</u>					
Sampler <u>Mason</u>					
Date hole began <u>8-13-47</u>					
Date hole finished <u>8-13-47</u>					
Shifts actually drilled <u>1</u>					

Remarks Hole abandoned when solid rock encountered.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 1 Location _____

SE 1/4 of sec. 25 T. 39S R. 9W County JOSEPHINE

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>3050</u>					
Depth to top of bed <u>-</u>	<u>0'</u>	<u>1'</u>	<u>1'</u>	<u>7425</u> <u>1</u>	<u>BC, 1, 10, 15</u>
Elev. of top of bed <u>-</u>	<u>1</u>	<u>2</u>	<u>1'</u>	<u>7426</u> <u>2</u>	<u>BC, 1, 7, 16</u>
Thickness of bed <u>-</u>	<u>2</u>	<u>3</u>	<u>1'</u>	<u>7427</u> <u>3</u>	<u>BC, 1, 16, 28 CHIPS</u>
Elev. bottom bed <u>-</u>	<u>3</u>	<u>4</u>	<u>1</u>	<u>7428</u> <u>4</u>	<u>BC, 1, 16,</u>
Depth of hole <u>5</u>	<u>4</u>	<u>5</u>	<u>1'</u>	<u>7429</u> <u>5</u>	<u>BC, 1, 16, 28 CHIPS</u>
Elev. water table <u>-</u>					
Bottomed in <u>ROCK</u>					

Drill used <u>2" AUGER</u>					
Number men <u>2</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLF</u>					
Sampler <u>WOLF</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1HR</u>					

Remarks ROCK ENCOUNTERED IN 5 HOLES DRILLED IN VICINITY.
SURFACE SOIL BRICK RED, QUITE A BIT OF SNOW.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 2 Location APPROX 300 S40E FROM HOLE No 1

SE 1/4 of sec. 25 T. 39S R. 9W County JOSEPHINE

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7430	
Depth to top of bed <u>—</u>	0	1	1'	6	DC, 1, 15
Elev. of top of bed <u>—</u>	1	2	1'	7	DC, 1, 16
Thickness of bed <u>—</u>	2	3	1'	8	BC, 1, 16
Elev. bottom bed <u>—</u>	3	4	1'	9	BC, 1, 16 ROCK CHIPS
Depth of hole <u>5'-8"</u>	4	5	1'	10	" " " " "
Elev. water table <u>—</u>	5	5'-8"	8"	11	" " " " "
Bottomed in <u>ROCK</u>					

Drill used <u>2" ALBERT</u>					
Number men <u>5</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 NR</u>					

Remarks 3 HOLES DRILLED IN VICINITY IN EFFORT TO AVOID
ROCKS

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 3 Location ABOUT 30 VERTICALLY BELOW HILL TOP, BEND IN JOSEPHINE CR IS N 75° W OF HOLE
of sec. _____ T. _____ R. _____ County JOSEPHINE

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7436	
Depth to top of bed			0	1	1	12	C, I, 15, ROCK CHIPS
Elev. of top of bed			1	2	1	13	C, G, Q, 10, 1, 16
Thickness of bed			2	3	1	14	BC, R, 4, 16
Elev. bottom bed			3	4	1	15	BC, R, 4, 16 ROCK CHIPS
Depth of hole	<u>6'-3"</u>		4	5	1	16	BC, R, 4, 6, 16, " "
Elev. water table			5	6	1	17	B, R, 4, 6, 16, GARNIERITE CHIPS?
Bottomed in	<u>ROCK</u>		6	6-3"	3"	18	B, R, 4, 6, 16 "

Drill used	<u>2" AUGER</u>						
Number men	<u>3</u>						
Engr. in charge	<u>MASON</u>						
Mtrl. classfd. by	<u>WOLFE</u>						
Sampler	<u>TONES</u>						
Date hole began	<u>7/9/48</u>						
Date hole finished	<u>7/10/48</u>						
Shifts actually drilled	<u>1 1/2</u>						

Remarks HOPE ABANDONED UPON HITTING ROCK MINER
APPROXIMATELY NOW VEINLETS OF GARNIERITE OR SOME
OTHER BRIGHT GREEN MINERAL IN IT.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 4 Location _____

of sec. _____ T. _____ R. _____ County JOSEPHINE

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0'	1'	1'	7443 19	DC, 1, 15, $\bar{25}10$,
Elev. of top of bed _____	1'	2'	1'	7444 20	BC, 16, $\bar{25}10$
Thickness of bed _____	2'	3'	1'	7445 21	BC, 16, $\bar{25}10$
Elev. bottom bed _____	3'	4'	1'	7446 22	BC 16, 6, 4, No 10
Depth of hole <u>6'</u>	4'	5'	1'	7447 23	BC 16, 6, 4 " "
Elev. water table _____	5'	6'	1'	7448 24	BC, 16, 6, 4, " " <small>ROCK CHIPS</small>
Bottomed in <u>ROCK</u>					

Drill used <u>2" AUGER</u>					
Number men <u>2</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by _____					
Sampler <u>W. JONES</u>					
Date hole began <u>7/10/48</u>					
Date hole finished _____					
Shifts actually drilled <u>1 1/2</u>					

Remarks HALF A DOZEN HOLES COLLARED BEFORE GETTING ONE DOWN TO 6'. HOLE LOCATED IN A LITTLE FLAT.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 5 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0'	1'	1'	7449 25	DC, 1, 15 $\frac{25}{10}$
Elev. of top of bed _____	1'	2'	1'	7450 26	BC, 16, $\frac{25}{10}$
Thickness of bed _____	2'	3'	1'	7451 27	BC, 16, 25-10, OPAL CHIPS
Elev. bottom bed _____	3'	4'	1'	7452 28	BC 16, $\frac{25}{10}$ OPAL & SERP CHIPS
Depth of hole <u>6'</u>	4'	5'	1'	7453 29	BC 16 $\frac{25}{10}$ ROCK CHIPS
Elev. water table _____	5'	6'	1'	7454 30	BC $\frac{16}{4, 6}$, $\frac{25}{10}$
Bottomed in <u>Rock</u>	6'	7'	1'	7455 31	N, R, 5, 16, 29, $\frac{25}{10}$ ROCK CHIPS
*****	7'	8'	1'	7456 32	N, R, 5, 16, 29, $\frac{25}{10}$ "
Drill used <u>2" AUGER</u>	8'	9'	1'	7457 33	A-N, R, 5, 16, 29, Rock CHIPS
Number men <u>2</u>	9'	10'	1'	7458 34	A-N, R, 5, 16, 29, 30 " "
Engr. in charge <u>MASON</u>	10'	11'	1'	7459 35	RO, 5, 16, 29, 30 " "
Mtrl. classfd. by _____	11'	12'	1'	7460 36	BC, 5, 16, 30, JJ (SERPENTINE)
Sampler <u>JONES</u>					
Date hole began <u>7/10/48</u>					
Date hole finished <u>7/11/48</u>					
Shifts actually drilled <u>2 HR</u>					

Remarks HOLE LOCATED IN CENTER OF FLAT JUST W. OF RIDGE NEAR SADDLE, COLLAR ABOUT 8-10' LOWER THAN RIDGE

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 6 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>-</u>					
Depth to top of bed <u>-</u>	0	1	1'	7461 37	DC, 1, 15, 25-10
Elev. of top of bed <u>-</u>	1	2	1'	7462 38	BC, 1, 16, NO SHOTS
Thickness of bed <u>-</u>	2	3	1'	7463 39	BC, 1, 16, " "
Elev. bottom bed <u>-</u>	3	4	1'	7464 40	BC, 1, 16, " "
Depth of hole <u>5'</u>	4	5	1'	7465 41	BC, 1, 16, ROCK CHIPS
Elev. water table <u>-</u>					
Bottomed in <u>ROCK</u>					

Drill used <u>3" AUGER</u>					
Number men <u>2</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>"</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/11/48</u>					
Date hole finished <u>7/11/48</u>					
Shifts actually drilled <u>2HK</u>					

Remarks 5 OTHER HOLES STARTED IN VICINITY IN ATTEMPT TO

MISS ROCKS

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 1 Location _____

of sec. _____ T. _____ R. _____ County JOSEPHINE

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	7466 42	DC, 1, 8, 15, 25-10
Elev. of top of bed _____	1	2	1'	7467 43	BC, 1, 8, 16, 25-10
Thickness of bed _____	2	3	1'	7468 44	BC, 1, 8, 16, 25-10
Elev. bottom bed _____	3	4	1'	7469 45	BC-F, 5, 9, 15, 25-10
Depth of hole <u>8'-2"</u>	4	5	1'	7470 46	DBC, 1, 7, 16, 25-10
Elev. water table _____	5	6	1'	7471 47	DBC, 1, 7, 16, 25-10
Bottomed in <u>ROCK</u>	6	7	1'	7472 48	DBC, 1, 7, 16, 25-10
*****	7	8'-2"	1'-2"	7473 49	DBC, 4, 6, 16, 25-10
Drill used <u>3" ALGER</u>					
Number men <u>2</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>"</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/12/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>2 HR</u>					

Remarks 2 HOLES STARTED BEFORE GETTING DOWN TO 8'

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK N1
Project

Hole No. 8 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					KEY NO 3
Depth to top of bed _____	0	1'	1	7474 50	DC, 1, 15 25-10
Elev. of top of bed _____	1	2'	1	7475 51	BC, 1, 15 " "
Thickness of bed _____	2	3	1	7476 52	C, 1, 16 " "
Elev. bottom bed _____	3	4	1	7477 53	C, 1, 16 " "
Depth of hole <u>15-2</u>	4	5	1	7478 54	OC, 1, 16 " "
Elev. water table _____	5	6	1	7479 55	OC, 1, 16 " "
Bottomed in <u>Rock</u>	6	7	1	7480 56	OC, F, 16, 4, 6 " "
*****	7	8	1	7481 57	BC, F, K, 16, 4, 6 ROCKCHIPS " "
Drill used <u>3" X 2" AUGER</u>	8	9	1	7482 58	PC, F, 16, 4, 6 " "
Number men <u>3</u>	9	10	1	7483 59	OC, R, K, 16, 4, 6 " "
Engr. in charge <u>MASON</u>	10	11	1	7484 60	BC, R, G, 16, 4, 6 ROCKCHIPS " "
Mtrl. classfd. by <u>WOLFE</u>	11	12	1	7485 61	R, F, JJ, 16, 4, 6 25-10
Sampler <u>JONES</u>	12	13	1	7486 62	R, F, JJ, 16, 4, 6 25-10
Date hole began <u>7/12/48</u>	13	14	1	7487 63	OC, G, GREEN 16, 4, 6 " "
Date hole finished <u>7/13/48</u>	14	15-2	1-2"	7488 64	OC, B, 15 NEW ROCK CHIPS " "
Shifts actually drilled <u>4 HRS</u>					

Remarks HALF ON TOP OF SADDLE 50' S. OF 10' DEEP CUT WHICH HAS SAND CONTAINING GARNIERITE.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MI

Project

Hole No. 9 Location _____

of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7489	
Depth to top of bed _____	0	1	1'	65	C, 5, 8, 16, T
Elev. of top of bed _____	1	2	1'	7490 66	BC, 8, 16, T
Thickness of bed _____	2	3	1'	7491 67	DC, 2-4, 7, 16
Elev. bottom bed _____	3	4	1'	7492 68	DC, T, R, 4, 16
Depth of hole <u>5'</u>	4	5	1'	7493 69	BC, T, 4, 8, 16
Elev. water table _____					
Bottomed in <u>ROCK</u>					

Drill used <u>2" AUGER</u>					
Number men <u>3</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/13/48</u>					
Date hole finished <u>7/13/48</u>					
Shifts actually drilled <u>LHR</u>					

Remarks HOLE LOCATED ~~IN~~ ON RIDGE TOP. AND ABOUT 6' BELOW
IS. FOUR OTHER HOLES ATTEMPTED IN GENERAL VICINITY

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 10 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar							
Depth to top of bed			0	1	1'	^{p-7494} 70	DC, 1, 15, $\frac{25}{25-10}$
Elev. of top of bed			1	2	1'	7495 71	DBC, 16, $\frac{25}{25-10}$
Thickness of bed			2	3	1'	7496 72	BC, 5, 16, 8, $\frac{25}{25-10}$
Elev. bottom bed			3	4	1'	7497 73	C, 4, 16, 8
Depth of hole <u>10</u>			4	5	1'	7498 74	C, 4, 16, 8
Elev. water table			5	6	1'	7499 75	OC, 4, 16, 8
Bottomed in <u>ROCK</u>			6	7	1'	7500 76	OC, 4, 16, 8
*****			7	8	1'	7501 77	OC, 4, 16, 5, ROCK CHIPS
Drill used <u>2" AUGER</u>			8	9	1'	7502 78	OC, 4, 16, 8, WEATHERED, ROCK $\frac{25}{25-10}$
Number men <u>3</u>			9	10	1'	7503 79	BC, 16, 5, ROCK CHIPS
Engr. in charge <u>MASON</u>							
Mtrl. classfd. by <u>WOLFE</u>							
Sampler <u>JONES</u>							
Date hole began <u>7/13/48</u>							
Date hole finished _____							
Shifts actually drilled _____							

Remarks HOLE ON RIDGE TOP

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 11 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	"	^p 7504 80	DC, 1, 7, 15 $\frac{25}{25}$ -10
Elev. of top of bed _____	1	2	"	7505 81	DBC, 1, 7, 16 $\frac{25}{25}$ -10
Thickness of bed _____	2	3	"	7506 82	DBC, 1, 7, 16 25-10
Elev. bottom bed _____	3	4	"	7507 83	DBC, 4, 7, 16 25-10
Depth of hole <u>10'-6"</u>	4	5	"	7508 84	DBC, 4, 7, 16 $\frac{25}{25}$ -10
Elev. water table _____	5	6	"	7509 85	00-0-C, 4, 7, 16 ^{ROCK} $\frac{25}{25}$ -10 _{CHIPS}
Bottomed in <u>ROCK</u>	6	7	"	7510 86	00-0-5, 8, 16 " $\frac{25}{25}$ -10
*****	7	8	"	7511 87	P-00-C, 5, 16 " $\frac{25}{25}$ -10
Drill used <u>3" AUGER</u>	8	9	"	7512 88	P-00, 5, 16 " $\frac{25}{25}$ -10
Number men <u>3</u>	9	10	"	7513 89	P-00 5, 16 " $\frac{25}{25}$ -10
Engr. in charge <u>MASON</u>	10	10-6"	0'-6"	7514 90	P-00, 5, 16 " $\frac{25}{25}$ -10
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/14/48</u>					
Date hole finished <u>7/15/48</u>					
Shifts actually drilled <u>1/2</u>					

Remarks HOLE ON RIDGE TOP. CONSIDERABLE AREA OF
FLAT LYING GROUND TO W. & N. WITH A LITTLE TO
THE S.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 12 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					KEY 3
Depth to top of bed _____	0	1	1'	7515 91	DC, 1, 7, 15 25-10
Elev. of top of bed _____	1	2	1'	7516 92	C, 1, 7, 16 "
Thickness of bed _____	2	3	1'	7517 93	C, 1, 7, 16 25-10
Elev. bottom bed _____	3	4	1'	7518 94	C, 1, 7, 16 "
Depth of hole <u>16'</u>	4	5	1'	7519 95	C, 1, 7, 16 "
Elev. water table _____	5	6	1'	7520 96	BC, 4, 7, 16, B, 25-10
Bottomed in <u>Rock</u>	6	7	1'	7521 97	BC, 4, 7, 16, B, T 25-10
*****	7	8	1'	7522 98	C, I, T, 7, 16, G 25-10
Drill used <u>3" AUGER</u>	8	9	1'	7523 99	QC, T, 7, 16, L, G "
Number men <u>3</u>	9	10	1'	7524 100	QC, T, G, H, F, 7, 6, 16 25-10
Engr. in charge <u>MASON</u>	10	11	1'	7525 101	QBC, T, G, H, 7, 6, 16 25-10
Mtrl. classfd. by <u>WOLFE</u>	11	12	1'	7526 102	N, T, G, H, 7, 16 25-10
Sampler <u>JONES</u>	12	13	1'	7527 103	N, J, I, G, K, 7, 16 25-10
Date hole began <u>7/15/48</u>	13	14	1'	7528 104	N, J, I, G, K, 7, 16, H "
Date hole finished _____	14	15	1'	7529 105	N, G, K, 7, 16, H "
Shifts actually drilled _____	15	16	1'	7530 106	P-00, F, G, H, K, L, T, 5, B, 16 25-10

Remarks HOLE ON W. SIDE OF RIDGE, ABOUT 20 LOWER THAN RIDGE. LARGER LATERITIC, FLAT-LYING AREA SURROUNDS HOLE.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 13 Location _____

of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7531	
Depth to top of bed _____	0	1	1'	107	DC, 1, 16
Elev. of top of bed _____	1	2	1'	7532 108	BC, 1, 16
Thickness of bed _____	2	3	1'	7533 109	BC, 1, 16
Elev. bottom bed _____	3	4	1'	7534 110	BC, 1, I, 16
Depth of hole <u>8'-6"</u>	4	5	1'	7535 111	BC, I, G, F, 4, 16
Elev. water table _____	5	6	1'	7536 112	BC, I, T, 4, 16
Bottomed in <u>Rock</u>	6	7	1'	7537 113	BC, R, I, 8, 16
*****	7	8	1'	7538 114	BC, 8, 16
Drill used <u>3" AUGER</u>	8	8'-6"	0'-6"	7539 115	BC, 9, 16 <small>Rock CHIPS</small>
Number men <u>3</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLEE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/15/48</u>					
Date hole finished _____					
Shifts actually drilled <u>1/2 HR</u>					

Remarks HOLE IN MIDDLE OF LARGE, FLAT LYING AREA JUST SOUTH OF SADDLE.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 14 Location _____

_____ of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	^A 7540 116	DC, 1, 15
Elev. of top of bed _____	1	2	1'	7541 117	DBC, 1, 16
Thickness of bed _____	2	3	1'	7542 118	DBC, 1, 16, ^{ROCK} CHIPS 27?
Elev. bottom bed _____					
Depth of hole <u>3'</u>					
Elev. water table _____					
Bottomed in <u>ROCK</u>					

Drill used <u>3" AUGER</u>					
Number men <u>3</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/15/48</u>					
Date hole finished <u>7/15/48</u>					
Shifts actually drilled <u>1/2 HR</u>					

Remarks SIX OTHER HOLES PUT DOWN IN THIS AREA IN ATTEMPT TO AVOID ROCKS

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

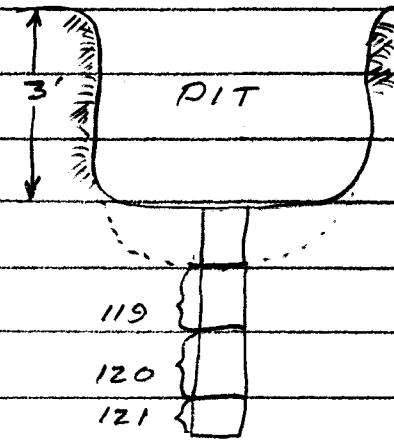
Hole No. 15 Location LOCATION CUT, YELLOW BIRD CLAIM

of sec. _____ T. _____ R. _____ County _____

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	NOT TAKEN	-	DC (PROBABLY SLUMP)
Elev. of top of bed _____	1	2	1'	P. 7543 119	BC, 4, 16
Thickness of bed _____	2	3	1'	7544 120	BC, 4, 5, 16
Elev. bottom bed _____	3	3'-6"	0-6"	7545 121	BC, 5, 16 ROCK CHIPS
Depth of hole <u>3'-6"</u>					
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>3" AUGER</u>					
Number men <u>3</u>					
Engr. in charge <u>MASON</u>					
Mtrl. classfd. by <u>WOLFE</u>					
Sampler <u>JONES</u>					
Date hole began <u>7/16/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1HR</u>					



Remarks HOLE COLLARED IN FLOOR OF PIT. FIRST FOOT NOT SAMPLED SINCE IT WAS APPARENTLY SLUMP MTL.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL
Project

Hole No. 16 Location NEAR 210" PINE IN "SUNKEN VALLEY"

of sec. _____ T. _____ R. _____ County _____

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7546	
Depth to top of bed			0	1	1'	122	DC, 1, 7, 15
Elev. of top of bed			1	2	1'	7547 123	DC, 1, 7, 15
Thickness of bed			2	3	1'	7548 124	BDC, 1, 7, 16
Elev. bottom bed			3	4	1'	7549 125	BDC, 1, 7, 16
Depth of hole <u>15-6'</u>			4	5	1'	7550 126	BDC, 4, 8, 16 ^{ROCK CHIPS}
Elev. water table <u>15' (?)</u>			5	6	1'	7551 127	BDC, 4, 7, 16, F ²
Bottomed in <u>ROCK</u>			6	7	1'	7552 128	BDC, 4, 7, 16, F ² ^{ROCK CHIPS}
*****			7	8'	1'	7553 129	BDC, 4, 7, 16, F
Auger used <u>3" AUGER</u>			8'	9'	1'	7554 130	B-00-C, 4, 7, 16, G, 30
Number men <u>3</u>			9'	10'	1'	7555 131	00-B-C, 4, 6, 7, 16, 30
Engr. in charge <u>MASON</u>			10	11	1'	7556 132	00-B-C, 4, 6, 7, 16, U,
Mtrl. classfd. by <u>WOLFE</u>			11	12	1'	7557 133	00-B-C, 4, 6, 7, 16, U, F, G, H, I
Sampler <u>JONES</u>			12	13	1'	7558 134	00-B-C, 4, 6, 7, 16, U, G, H, Z
Date hole began <u>7/16/48</u>			13	14	1'	7559 135	00-C-D, 4, 5, 7, 16, U, 30
Date hole finished <u>7/16/48</u>			14	15	1'	7560 136	00-P-C, 4, 5, 8, 16, U, 30, 28
Shifts actually drilled <u>2 HRS</u>			15	15'-0"	1'	7561 137	00-P-C, 4, 5, 8, 16, U, 30

Remarks _____

<u>HOLE</u>	<u>% H1</u>	<u>% Gr203</u>	<u>Depth</u>	<u>Why Abandoned</u>
1	1.04	2.32	5'	Hit rock
2	0.94	2.33	5' 8"	" "
3	0.78	1.65	6' 3"	" "
4	1.41	3.74	6'	" "
5	0.90	2.01	6'	" "
6	0.91	2.35	5'	" "
7	1.20	4.12	8' 2"	" "
8	1.51	3.72	15' 2"	" "
9	0.63	1.06	5'	" "
10	0.81	1.61		" "
11	0.59	1.27	10' 6"	" "
12	0.60	1.82	16'	" "
13	1.12	1.67	8' 6"	" "
14	0.75	2.10	3'	" "
15	1.41	1.05	3' 6"	" "
16	1.16	2.20	15' 6"	" "

R9W 8W

OEC

PUBLIC DOMAIN

25

30

JOSEPHINE
COUNTY

PRIVATE LAND

PRIVATE LAND

36

OEC

31

STATE
LAND

BOARD

WOODCOCK MT
JOSEPHINE, COUNTY

T 39 S

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 1 Location _____

SE 1/4 of sec. 25 T. 39S R. 9W County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u>3050</u>					
Depth to top of bed <u>-</u>	<u>0'</u>	<u>1'</u>	<u>1'</u>	<u>7425</u> <u>1</u>	<u>dry.</u> <u>Light yellow brown, earthy, shots,</u>
Elev. of top of bed <u>-</u>	<u>1</u>	<u>2</u>	<u>1'</u>	<u>7426</u> <u>2</u>	<u>soft, damp.</u> <u>Yellow brown, earthy, slightly</u>
Thickness of bed <u>-</u>	<u>2</u>	<u>3</u>	<u>1'</u>	<u>7427</u> <u>3</u>	<u>dunite chips.</u> <u>Yellow brown, earthy, damp,</u>
Elev. bottom bed <u>-</u>	<u>3</u>	<u>4</u>	<u>1</u>	<u>7428</u> <u>4</u>	<u>Yellow brown, earthy damp.</u>
Depth of hole <u>5</u>	<u>4</u>	<u>5</u>	<u>1'</u>	<u>7429</u> <u>5</u>	<u>dunite chips.</u> <u>Yellow brown, earthy, damp,</u>
Elev. water table <u>-</u>					
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
Number men <u>2</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Wolfe</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 hr.</u>					

Remarks Rock encountered in 5 holes drilled in vicinity.

Surface soil brick red, quite a bit of shots.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 2 Location Approximately 300 S40E from Hole No. 1

SE 1/4 of sec. 25 T. 39S R. 9W County Josephine

Coord. N. E.

	From	To	Thickness of sample	Sample No.	Description
Elev. collar <u> </u>				7430	
Depth to top of bed <u>-</u>	0	1	1'	6	Red brown, earthy, dry.
Elev. of top of bed <u>-</u>	1	2	1'	7431 7	Dark red brown, earthy, damp.
Thickness of bed <u>-</u>	2	3	1'	7432 8	Dark yellow brown, earthy, damp.
Elev. bottom bed <u>-</u>	3	4	1'	7433 9	Yellow brown, earthy, damp, rock chips.
Depth of hole <u>5' - 8"</u>	4	5	1'	7434 10	Yellow brown, earthy, damp, rock chips.
Elev. water table <u>-</u>	5	5' - 8"	8"	7435 11	Yellow brown, earthy, damp, rock chips.
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
<u>Jones</u>					
Number men <u>Wolfe, Mason, &</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/9/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 hr.</u>					

Remarks 3 holes drilled in vicinity in effort to avoid rocks.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 3 Location About 30 vertically below hilltop, bend in Josephine Creek is
N. 75°W. of hole.

of sec. _____ T. _____ R. _____ County Josephine

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7436	
Depth to top of bed			0	1	1	12	Brown, earthy, dry, rock chips.
Elev. of top of bed			1	2	1	7437 13	earthy, damp. Brown, yellow spots, black shots,
Thickness of bed			2	3	1	7438 14	Yellow brown, black, clayey, damp.
Elev. bottom bed			3	4	1	7439 15	damp, rock chips. Yellow brown, varicolored, clayey,
Depth of hole	<u>6' - 3"</u>		4	5	1	7440 16	damp, rock chips. Yellow brown, varicolored, clayey,
Elev. water table			5	6	1	7441 17	slightly plastic, garnierite chips. Yellow varicolored, clayey, damp,
Bottomed in	<u>Rock</u>		6	6'-3"	3"	7442 18	slightly plastic, garnierite chips. Yellow varicolored, clayey, damp,

Drill used	<u>2" Auger</u>						
Number men	<u>3</u>						
Engr. in charge	<u>Mason</u>						
Mtrl. classfd. by	<u>Wolfe</u>						
Sampler	<u>Jones</u>						
Date hole began	<u>7/9/48</u>						
Date hole finished	<u>7/10/48</u>						
Shifts actually drilled	<u>1½ hrs.</u>						

Remarks Hole abandoned upon hitting rock which apparently had veinlets of garnierite or
some other bright green mineral in it.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MOUNTAIN Ni.

Project

Hole No. 4 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7443	magnetic, shots.
Depth to top of bed _____	x 0'	1'	1'	19	Red brown, earthy, dry, few
Elev. of top of bed _____	1'	2'	1'	7444 20	magnetic, shots. Yellow brown, slightly damp, few
Thickness of bed _____	x 2'	3'	1'	7445 21	magnetic, shots. Yellow brown, damp, Very few
Elev. bottom bed _____	3'	4'	1'	7446 22	clayey, shots. Yellow brown, damp, plastic,
Depth of hole <u>6'</u>	x 4'	5'	1'	7447 23	clayey, shots. Yellow brown, very damp, plastic,
Elev. water table _____	5'	6'	1'	7448 24	clayey, shots, rock chips. Yellow brown, very damp, plastic,
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
Number men <u>2</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>"</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/10/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 1/2 hr.</u>					

Remarks Half a dozen holes collared before getting one down to 6'. Hole located in a little flat.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 5 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7449	magnetic shots.
Depth to top of bed _____	0'	1'	1'	25	Red brown, earthy, dry, few
Elev. of top of bed _____	1'	2'	1'	7450 26	few magnetic shots. Yellow brown, slightly damp, very
Thickness of bed _____	2'	3'	1'	7451 27	opal chips. Yellow brown, damp, magnetic shots,
Elev. bottom bed _____	3'	4	1'	7452 28	shots, serpentine & opal chips. Yellow brown, damp, few magnetic
Depth of hole <u>6'</u>	4	5	1'	7453 29	magnetic chips, rock chips. Yellow brown, very damp, few
Elev. water table _____	5	6	1'	7454 30	few magnetic shots. Yellow brown, very damp, plastic,
Bottomed in <u>Rock</u>	6	7	1'	7455 31	Olive drab, varicolored, gritty, slightly damp, few asbestos, very
*****					few magnetic shots, rock chips.
Drill used <u>2" Auger</u>	7	8	1'	7456 32	Olive drab, varicolored, gritty, slightly damp, few asbestos, very
Number men <u>2</u>					few magnetic shots, rock chips.
Engr. in charge <u>Mason</u>	8	9	1'	7457 33	damp, asbestos, rock chips. Tan-olive drab, varicolored, gritty,
Mtrl. classfd. by <u>"</u>	9	10	1'	7458 34	damp, asbestos, calcedony, rock ch Tan-olive drab, varicolored, gritty,
Sampler <u>Jones</u>	10	11	1'	7459 35	asbestos, calcedony, rock chips. Blue-gray, gritty, slightly damp,
Date hole began <u>7/10/48</u>	11	12	1'	7460 36	calcedony, green spots (serp.). Yellow brown, gritty, very damp,
Date hole finished <u>7/11/48</u>					
Shifts actually drilled <u>3 hrs.</u>					

Remarks Hole located in center of flat just west of ridge near saddle. Collar about

8-10' lower than ridge.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 6 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

		From	To	Thickness of sample	Sample No.	Description
Elev. collar	<u>-</u>				7461	magnetic shots.
Depth to top of bed	<u>-</u>	0	1	1'	37	Red brown, earthy, dry, very few damp, no shots.
Elev. of top of bed	<u>-</u>	1	2	1'	7462 38	Yellow brown, earthy, slightly damp, no shots.
Thickness of bed	<u>-</u>	2	3	1'	7463 39	Yellow brown, earthy, slightly damp, no shots.
Elev. bottom bed	<u>-</u>	3	4	1'	7464 40	Dark yellow brown, earthy, slightly
Depth of hole	<u>5'</u>	4	5	1'	7465 41	Dark yellow brown, damp, rock chips
Elev. water table	<u>-</u>					
Bottomed in	<u>Rock</u>					

Drill used	<u>3" Auger</u>					
Number men	<u>2</u>					
Engr. in charge	<u>Mason</u>					
Mtrl. classfd. by	<u>"</u>					
Sampler	<u>Jones</u>					
Date hole began	<u>7/11/48</u>					
Date hole finished	<u>"</u>					
Shifts actually drilled	<u>2 hrs.</u>					

Remarks 5 other holes started in vicinity in attempt to miss rocks.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 7 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7466	magnetic shots.
Depth to top of bed _____	0	1	1'	42	Red brown, earthy, firm, dry,
Elev. of top of bed _____	1	2	1'	7467 43	slightly damp, few magnetic shots. Yellow brown, earthy, firm,
Thickness of bed _____	2	3	1'	7468 44	slightly damp, few magnetic shots. Light yellow brown, earthy, firm,
Elev. bottom bed _____	3	4	1'	7469 45	gritty, hard, dry, few magn. shots Light yellow brown, white spots,
Depth of hole <u>8' - 2"</u>	4	5	1'	7470 46	slightly damp, very few magn. shot Red yellow brown, earthy, soft,
Elev. water table _____	5	6	1'	7471 47	slightly damp, very few magn. shot Red yellow brown, earthy, soft,
Bottomed in <u>Rock</u>	6	7	1'	7472 48	damp, very few magnetic shots. Red yellow brown, earthy, soft,
*****	7	8 - 2"	1'-2"	7473 49	very damp, very few magn. shots. Red yellow brown, clayey, plastic.
Drill used <u>3" Auger</u>					
Number men <u>2</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>"</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/12/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>2 hrs.</u>					

Remarks 2 holes started before getting down to 8'.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 8 Location _____

_____ of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7474	magnetic shots.
Depth to top of bed _____	0	1'	1	50	Red brown, earthy, dry,
Elev. of top of bed _____	1	2'	1	7475 51	magnetic shots. Yellow brown, earthy, dry,
Thickness of bed _____	2	3	1	7476 52	magnetic shots. Brown, earthy, slightly damp,
Elev. bottom bed _____	3	4	1	7477 53	shots. Brown, earthy, damp, magnetic
Depth of hole <u>15-2</u>	4	5	1	7478 54	magnetic shots. Light grey brown, earthy, damp,
Elev. water table _____	5	6	1	7479 55	magnetic shots. Grey brown, earthy, damp,
Bottomed in <u>Rock</u>	6	7	1	7480	clayey, plastic, magnetic shots.
				56	Grey brown, white spots, damp,
*****	7	8	1	7481	clayey, plas., rock ch. magn. shots.
				57	Yel. br., white & blue spots, damp,
Drill used <u>3" & 2" Auger</u>	8	9	1	7482	clayey, plastic, magnetic shots.
				58	Blue brown, white spots, damp,
Number men <u>3</u>	9	10	1	7483	damp, clayey, plas., magn. shots.
				59	Grey brown, varicol., dark bl. spots.
Engr. in charge <u>Mason</u>	10	11	1	7484	clayey, plas., magn. shots.
				60	Yel. br., varicol. yel. spots, damp,
Mtrl. classfd. by <u>Wolfe</u>	11	12	1	7485	Varicol., wh. spots, green spots,
				61	very damp, clayey, plastic, few magnetic shots.
Sampler <u>Jones</u>	12	13	1	7486	Varicol., wh. & gr. spots, very
				62	damp, clayey, plastic, few magnetic shots.
Date hole began <u>7/12/48</u>	13	14	1	7487	Gr. br., yel. spots, rock chips,
				63	blue spots, green, damp, clayey, plastic, few magnetic shots.
Date hole finished <u>7/13/48</u>	14	15-2	1-2"	7488	Light grey brown, firm, dry, few
				64	rock chips, few magnetic shots.
Remarks _____					

Holes on top of saddle 50' S. of 10' deep cut which has seam containing

garnierite.

Hole No. 8

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 9 Location _____

_____ of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	7489 65	damp, mottled. Brown, gritty, firm, slightly
Elev. of top of bed _____	1	2	1'	7490 66	damp, mottled. Dark yellow brown, firm, slightly
Thickness of bed _____	2	3	1'	7491 67	soft, slightly damp. Red brown, sandy-clayey, slightly
Elev. bottom bed _____	3	4	1'	7492 68	clayey, slightly damp. Red brown, mottled, varicolored,
Depth of hole <u>5'</u>	4	5	1'	7493 69	firm, slightly damp. Yellow brown, mottled, clayey,
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>2" Auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/13/48</u>					
Date hole finished <u>7/13/48</u>					
Shifts actually drilled <u>1 hr.</u>					

Remarks Hole located on ridge top. Four other holes attempted in general vicinity.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 10 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7494	magnetic shots.
Depth to top of bed _____	0	1	1'	70	Red brown, earthy, dry, very few few magnetic shots.
Elev. of top of bed _____	1	2	1'	71	Red yellow brown, slightly damp, damp, few magnetic shots.
Thickness of bed _____	2	3	1'	72	Dark yellow brown, gritty, slightly
Elev. bottom bed _____	3	4	1'	73	Brown, clayey, slightly damp, firm.
Depth of hole <u>10'</u>	4	5	1'	74	Brown, clayey, slightly damp, firm.
Elev. water table _____	5	6	1'	75	Grey brown, clayey, slightly damp, firm.
Bottomed in <u>Rock</u>	6	7	1'	76	Grey brown, clayey, slightly damp, gritty, rock chips.
*****	7	8	1'	77	Grey brown, clayey, slightly damp, firm, weathered rock, few magn. sh
Drill used <u>2" Auger</u>	8	9	1'	78	Grey brown, clayey, slightly damp, rock chips.
Number men <u>3</u>	9	10	1'	79	Yellow brown, slightly damp, gritty
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/13/48</u>					
Date hole finished _____					
Shifts actually drilled _____					

Remarks Hole on ridge top.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 11 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7504	few magnetic shots.
Depth to top of bed _____	0	1	1'	80	Red brown, earthy, soft, dry, slightly damp, few magnetic shots.
Elev. of top of bed _____	1	2	1'	7505 81	Red yellow brown, earthy, soft, slightly damp, magnetic shots.
Thickness of bed _____	2	3	1'	7506 82	Red yellow brown, earthy, soft, soft, damp, magnetic shots.
Elev. bottom bed _____	3	4	1'	7507 83	Red yellow brown, slightly clayey, damp, few magnetic shots.
Depth of hole <u>10' - 6"</u>	4	5	1'	7508 84	Red yellow brown, clayey, soft, damp, rock chips, few magn. shots.
Elev. water table <u>-</u>	5	6	1'	7509 85	Green grey brown, clayey, soft, damp, rock chips, few magn. shots.
Bottomed in <u>Rock</u>	6	7	1'	7510 86	Green grey, gritty, firm, slightly rock chips, very few magn. shots.
*****	7	8	1'	7511 87	Blue green brown, gritty, damp, rock chips, few magnetic shots.
Drill used <u>3" Auger</u>	8	9	1'	7512 88	Blue green, gritty, slightly damp, rock chips, few magnetic shots.
Number men <u>3</u>	9	10	1'	7513 89	Blue green, gritty, slightly damp, rock chips, few magnetic shots.
Engr. in charge <u>Mason</u>	10	10-6"	0'-6"	7514 90	Blue green, gritty, slightly damp, rock chips, few magnetic shots.
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/14/48</u>					
Date hole finished <u>7/15/48</u>					
Shifts actually drilled <u>1/2</u>					

Remarks Hole on ridge top. Considerable area of flat lying ground to west and north with a little to the south.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 12 Location _____of sec. _____ T. _____ R. _____ County Josephine

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7515	very few magnetic shots.
Depth to top of bed			0	1	1'	91	Red brown, earthy, soft, dry,
Elev. of top of bed			1	2	1'	7516 92	very few magnetic shots. Brown, earthy, soft, slightly damp,
Thickness of bed			2	3	1'	7517 93	shots. Brown, earthy, soft, damp, magnetic
Elev. bottom bed			3	4	1'	7518 94	shots. Brown, earthy, soft, damp, magnetic
Depth of hole	<u>16'</u>		4	5	1'	7519 95	shots. Brown, earthy, soft, damp, magnetic
Elev. water table			5	6	1'	7520 96	soft, damp, bl. sps., few mag. shot Dk. yellow br., slightly clayey,
Bottomed in	<u>Rock</u>		6	7	1'	7521 97	bl. spots, mottled, very few m. sh. Dk. yel. brown, clayey, soft, damp,
	*****		7	8	1'	7522 98	soft, damp, plas., few magn. shots. Dk. brown, bl. spots, slightly mott.
Drill used	<u>3" Auger</u>		8	9	1'	7523 99	orange spots, plastic, few m. shot; Bl. br., slightly mottled, soft, damp
Number men	<u>3</u>		9	10	1'	7524 100	spots, soft, pl., damp, magn. shot; Bl. br., mottled, yellow-red-white-
Engr. in charge	<u>Mason</u>		10	11	1'	7525 101	spots, soft, pl. damp, few m. shot; Bl. yel. br., mottled, yellow-red
Mtrl. classfd. by	<u>Wolfe</u>		11	12	1'	7526 102	spots, soft, damp, magnetic shots. Olive drab, mottled, yellow-red
Sampler	<u>Jones</u>		12	13	1'	7527 103	soft, damp, few magnetic shots. Olive drab, green-yellow-blue spots
Date hole began	<u>7/15/48</u>		13	14	1'	7528 104	soft, damp, few magnetic shots. Olive drab, green-yellow-blue spots
Date hole finished			14	15	1'	7529 105	soft, damp, few magnetic shots. Olive drab, yellow-blue-red spots
Shifts actually drilled			15	16	1'	7530 106	soft, damp, few magnetic shots. Blue-green, white-yellow-red-blue-
Remarks	orange spots, mottled, gritty, very firm, damp, very few magnetic shots.						

Hole on west side of ridge about 20 lower than ridge. Large lateritic, flat-lying area surrounds hole.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 13 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____				7531	
Depth to top of bed _____	0	1	1'	107	Red brown, earthy, damp.
Elev. of top of bed _____	1	2	1'	7532 108	Yellow brown, earthy, damp.
Thickness of bed _____	2	3	1'	7533 109	Yellow brown, earthy, damp.
Elev. bottom bed _____	3	4	1'	7534 110	Yellow brown, earthy, black spots, damp.
Depth of hole <u>8' - 6"</u>	4	5	1'	7535 111	Yellow & white spots, clayey, damp.
Elev. water table _____	5	6	1'	7536 112	Light yellow brown, black spots, damp.
Bottomed in <u>Rock</u>	6	7	1'	7537 113	Light yellow brown, mottled, clayey spots, firm, slightly damp.
*****	7	8	1'	7538 114	Yellow brown, varicolored, black damp.
Drill used <u>3" Auger</u>	8	8' - 6"	0' - 6"	7539 115	Light yellow brown, firm, slightly damp, rock chips.
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/15/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1/2 hr.</u>					

Remarks Hole in middle of large flat lying area just south of saddle.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MOUNTAIN Ni.
Project

Hole No. 14 Location _____

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____					
Depth to top of bed _____	0	1	1'	⁷⁵⁴⁰ 116	Red brown, earthy, dry.
Elev. of top of bed _____	1	2	1'	⁷⁵⁴¹ 117	damp. Red yellow brown, earthy, slightly
Thickness of bed _____	2	3	1'	⁷⁵⁴² 118	damp, rock chips Red yellow brown, earthy, slightly
Elev. bottom bed _____					
Depth of hole <u>3'</u>					
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>3" Auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/15/48</u>					
Date hole finished <u>7/15/48</u>					
Shifts actually drilled <u>1/2 hr.</u>					

Remarks Six other holes put down in this area in attempt to avoid rocks.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK MOUNTAIN N1.

Project

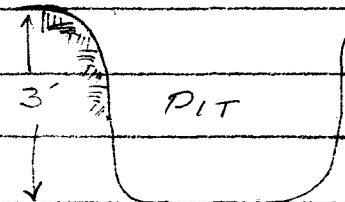
Hole No. 15 Location Location cut, Yellow Bird Claim

of sec. _____ T. _____ R. _____ County Josephine

Coord. _____ N. _____ E. _____

	From	To	Thickness of sample	Sample No.	Description
Elev. collar _____			Not Taken	-	
Depth to top of bed _____	0	1			Red brown, (probably slump)
Elev. of top of bed _____	1	2	1'	7543 119	Yellow brown, clayey, damp.
Thickness of bed _____	2	3	1'	7544 120	gritty, damp.
Elev. bottom bed _____	3	3'6"	0-6"	7545 121	Yellow brown, clayey, slightly chips.
Depth of hole <u>3' - 6"</u>					
Elev. water table _____					
Bottomed in <u>Rock</u>					

Drill used <u>3" Auger</u>					
Number men <u>3</u>					
Engr. in charge <u>Mason</u>					
Mtrl. classfd. by <u>Wolfe</u>					
Sampler <u>Jones</u>					
Date hole began <u>7/16/48</u>					
Date hole finished <u>"</u>					
Shifts actually drilled <u>1 hr.</u>					



Remarks Hole collared in floor of pit. First foot not sampled since it was apparently slump material.

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

WOODCOCK NICKEL

Project

Hole No. 16 Location Near 20" pine in "Sunken Valley"of sec. _____ T. _____ R. _____ County Josephine

Coord.	N.	E.	From	To	Thickness of sample	Sample No.	Description
Elev. collar						7546	
Depth to top of bed			0	1	1'	122	Red brown, earthy, soft, dry.
Elev. of top of bed			1	2	1'	7547 123	Red brown, earthy, soft, dry.
Thickness of bed			2	3	1'	7548 124	soft, slightly damp. Dark yellow, red brown, earthy,
Elev. bottom bed			3	4	1'	7549 125	soft, slightly damp. Dark yellow, red brown, earthy,
Depth of hole	<u>15 - 6"</u>		4	5	1'	7550 126	firm, slightly damp, rock chips. Yellow red brown, slightly clayey,
Elev. water table	<u>15' (?)</u>		5	6	1'	7551 127	slightly damp, few white spots. Yellow red brown, clayey, soft,
Bottomed in	<u>Rock</u>		6	7	1'	7552 128	damp, few white spots, rock chips. Yellow red brown, clayey, soft,
	<u>*****</u>		7	8'	1'	7553 129	damp, white spots. Yellow red brown, clayey, soft,
Drill used	<u>3" Auger</u>		8'	9'	1'	7554 130	damp, plastic, calcedony Yellow green brown, clayey, soft,
Number men	<u>3</u>		9'	10'	1'	7555 131	very soft, vy. damp, calcedony. Green yellow brown, clayey, plas.,
Engr. in charge	<u>Mason</u>		10	11	1'	7556 132	soft, vy. damp, spotted. Green yel. br., clayey, plas., vy.
Mtrl. classfd. by	<u>Wolfe</u>		11	12	1'	7557 133	sft, vy dmp, spo., wh yel rd bl. Green yel. br., clay., vy. pl., vy
Sampler	<u>Jones</u>		12	13	1'	7558 134	sft, vy dmp, spo., wh yel rd bl. Green yel. br., clay., vy. pl., vy
Date hole began	<u>7/16/48</u>		13	14	1'	7559 135	vy. dmp, spotted, calcedony. Green br rd., clay., sl. grit., sft
Date hole finished	<u>"</u>		14	15	1'	7560 136	sl. fm, vy dmp, sp., calc, dunitite. Green bl. br., clay., sl. gritty,
Shifts actually drilled	<u>2 hrs.</u>		15	15'-6"	1'	7561 137	firm, vy damp, spotted, calcedony. Green bl. br., clayey, sl. gritty,

Remarks _____

Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	A2	13	440		440	63	+57.2	-7.2	+50	3085.80	3135.8	
2		14	370		370	62	+44.4	-7.9	+40		3125.8	
3		A3	580	-	580	57	+40.6	-8.2	+32.4	^{3118.20} 3121.70	3118.20	A3
4	A3	15	105	-	105	67	+18	-1.04	+17	3121.70	3138.7	CUT 12x8x6
5	A3	A4	340	97	336	67	+57.8	-9.4	+48.4		3170.10	A4 Top (100)
6	A3	16	700	95	665	29	-147	-12	-159		2962.7	16
7	"	17	530	94	500	27	-131.9	-7.5	-129.4		2992.3	17
8	"	18	460	95	437	28	-101.2	-6.2	-107.4		3014.3	CUT 12x7x4
9	"	19	410	97	400	33	-69.7	-8.4	-78.1		3043.6	19
10	"	A5	710	-	710	48	-14.2	-1.0	-15.2	^{3106.50} 315	3106.50	A5
11	A5	20	490	95	465	29	-102.9	-5.3	-108.2	3110.0	3002.2	20
12	"	21	330	97	327	35	-49.5	-12	-61.5		3048.5	21
13		A6	700	-	700	56	+42.0	-7	+35.0		3145.0	A6
14		22	320	98	314	64	+44.8	-9.5	+35.3		3145.3	22

AFD -36

Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	A1	G.M.I 120	145	-	145	41	-13.05	-10.4	-23.45	3097.95	3070	Rock Outcrop
2		1	310	-	310	42	-24.8	-10.1	-34.9		3058	EDGE
3	A1	A2	290	-	290	50	-	-11.15	-11.15		3082.50	A2
4	A1	2	270	-	270	62	+32.40	-11.5	+20.90		3124.35	
5	A1	3	140	-	140	53	+4.2	-8	-3.8		3082.65	3
6	A2	4	270	-	270	45	-13.5	-11.7	-25.2	3085.80	3060.60	D.HOLE #1
7		5	465		460	38	-10.4	-55.80	-66.20		3019.6	" " 2
8		6	640		635	39	-70.4	-6.5	-76.90		3008.9	EDGE
9		7	500		495	40	-50	-1	-51		3034.8	"
10		8	330		330	43	-26.6	-7.5	-34.1		3021.7	
11		9	295		295	40	-29.5	-9.2	-39.7		3047.1	
12		10	385		385	45	-12.5	-11.6	-30.9		3055	

Topographer
Rodman

Checked by
Recorder

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1		23	140	96	136	63	+25.2	-3.2	+22.0	3110	3132	
2		24	225	98	220	62	+27.0	-9.3	+17.7		3127.7	D.HOLE 16
3		25	580	98	558	62	+69.6	-4.0	+65.6		3175.6	25
4	Δ4	26	160		160	55	+8.0	-10.8	-2.8	3170.10 3173.62	3170.8	26
5		27	260	-	260	46	+0.4	-11	-21.4		3149.4	27
6	Δ1	Δ7	275	-	275	59	+24.75	-8.2	+16.55	3092.5 3093.50 3110.05	3110.05	Δ 76-A
7	Δ6-A	28	150	96	145	30	-29	-11	-40	3113.55	3073.55	28
8		29	235	91	230	35	-34.5	-8.2	-42.7		3070.85	D.HOLE 3
9		Δ7	390	-	390	49	-3.9	-5.5	-9.4		3104.15	Δ7
10	Δ7	30	320	94	300	27	-73.2 -69	-10.5	-72.5	3104.15 3107.65	3028.15	30 CUT
11	"	31	280	96	275	32	-77	-6.8	-83.8		3023.85	CUT
12	"	Δ8	400	-	400	51	+4	-5.5	-1.5		3106.15	Δ8
13	Δ8	32	340	97	235	33	-40.8	-9.0	-49.8	3106.15 3109.65	3059.85	32
14		33	280	-	280	50	-	-4.0	-4.0		3105.65	33

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200 20 300 60 -7.6

Topographer
Rodman

Checked by
Recorder

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	Δ8	Δ9	610	99	605	60	+61.0	-7.6	+53.4	3109.65	3163.05	Δ9
2	Δ9	34	190		190	57	+13.3	-5.5	+7.8	3166.55	3174.3	34
3			225		225	66	+36.0	-6.5	+29.5		3196	
4			120	94	115	26	-23.8	-4.5	-32.3		3133	
5			200	-	200	50	-	-7.0	-7		3159	
6			600	98	588	64	+84	-11.1	+72.9		3239.45	Δ10
7	Δ10	35	225	-	225	47	-6.7	-7.7	-14.4	3239.45 3242.95	3229	D.HOLE 4
8	"	36	240		240	40	-24	-11	-35		3208	36
9	"	37	150	97	145	34	-24	-11	-35		3208	37
10	"	38	170		170	50	-	-7	-7		3236	38
11	"	39	150	97	150	33	-25.5	-10	-35.5		3207	39
12		40	280	-	280	60	+28	-11	+17		3260	40
13		41	160		160	58	+12.8	-10.6	+2.2		3245	
14		Δ11	130	-	130	50	-	-5	-5		3237.95	Δ11

Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	$\Delta 6$	42	250	96	235	30	-50	-4	-54	3145.0 3146.5	3094.5	
2		43	320	-	320	43	-22.4	-5.5	-27.9	3148.5	3121	43
3		44	260	97	253	57	+44.2	-3.5	+40.7		3189	
4		45	430	-	480	54	+12.2	-3.5	+10.7		3159	
5		46	180	-	180	39	-12.2	-5.5	-25.3		3123	
6		$\Delta 12$	580	97	560	68	+122.4	-15.4	+107		3255.5	$\Delta 12$
7		47	245	-	245	54	+9.8	-13.4 -7.8	-3.6	3259.	3256.4	
8	$\Delta 8$	$\Delta 9$	510	99	505	60	+50	-7.8	+42.2	3106.15 3109.65	3151.75	
9	$\Delta 9$	$\Delta 10$	600	91	594	65	+90	-10.3	+79.7	3155.25	3234.95	
10	$\Delta 10$	47 CHECK 47	260	-	260	60	+26	-9.8 -7.8	+16.2	3251 3255	3251	
11	47	48	280	-	280	44	-16.8	-15	-31.8	3254.5	3223 3219	
12	45	49	300	-	300	46	-12	-4	-16	3226.5	3210	
13	48	50	160	-	160	40	-16	-5	-21	32	3205	
14	48	51	130	-	180	44	-10.8	-8	-19		3207	

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Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	42	52 300	300	-	300	47	-9	-10	-19	3226.50	3208	
2	49	53	160	-	160	40	-16	-6.5	-22.5	3210 3213.5	3191	
3			310	-	310	42	-24.8	-9.7	-34.5		3179	
4	$\Delta 12$	54 $\Delta 13$	300	-	300	47	-9	-12.2	-21.2	3255.50 3259.00	3227.8	$\Delta 13$ D.HOLE 5
5		55	215	-	215	48	-4.3	-9.0	-13.3		3246	R1000 T&D
6		56	560	98	550	40	-56	-7.7	-63.7		3185	
7		57	320	98	315	38	-38.4	-11	-49.4		3210	
8		58	205	97	200	35	-30	-14.6	-41.6		3217	CUT 24x12x6
9		59	60	-	60	55	+3	-18	+1.2		3260.2	
10	$\Delta 13$	60	235	-	235	42	-13.8	-14.6	-33.4	3227.8 3231.3	3198	
11		61	710	-	710	46	-28.4	-6	-34.4	3231.3	3197	
12		62	530	-	530	53	+15.9	-8.8	+7.1		3238.4	
13		63	950	-	950	52	+19	-5	+14		3245.3	
14		64	630	-	630	49	-6.3	-9.5	-15.8		3215.5	

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10 = 106.0

8 = 11.0

10 = 106.0

Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
	Δ13	Δ14	1000	-	1000	53	+30	-10.7	+19.3	3231.3	3250.0	
	Δ14	Δ15	445	98	440	59	+40.05	-6.8	+33.25	3254.1	3287.35	Δ15
			220	98	220	50	-	-13 -10	-13		3241	
			185	-	185	48	-37	-11	-14.7		3239	
			300	-	300	45	-15	-10	-25		32 39 ²⁹	
	Δ6	Δ16	740 740	-	735	57	+51.8	-4	+47.8	3145.0 3148.5	3196.3	Δ16
	Δ16	Δ17	390	-	390	55	+19.5	-4.5	+15	3196.3 3199.8	3214.8	Δ17
			190	98	186	63	+24.7	-3.7	12.47 +21		3221	
			240	97	234	65	+36	-9.5	126.5		3226	
	Δ17	60	280	96	270	30	-56	-8	-64	3214.8 3218.3	3144	
		61	230	-	230	52	+4.6	-7	-2.4	3218.3	3216	
		Δ18	760	-	755	54	+30.4	-10.7	+19.7		3238.0	Δ18
	Δ18	Δ19	395	-	395	57	+27.65	-9.3	+18.35	3241.5	3259.85	Δ19
		62	180	98	176	37	-23.4	-10	-13.4		3228	62

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Topographer Rodman		Checked by Recorder										
	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
	Δ19	63	200	92	185	23	-57	-10.5	-54.5	3259.5 ⁵⁵ 3263.5	3199	
		64	145	91	132	21	-42	-11	-53		3210	USFS BOUNDARY
		65	350	92	240	33	-70.2	-10.5	-80.7		3183	
		66	95	92	87	77	+25.65	-4.0	+21.6		3285	
		67	360	94	333	26	-33.1	-9.5	-96		3167	
		68	370	-	370	51	+3.7	-3.5	+0.2		3264	
		Δ20	806	-	805	54	+32.2	-8.0	+24.2		3287.5	Δ20
	Δ20		357	91	325	21	+03.5	-10.5	-114	3290.0	3176.0	
			320	98	315	35	-98	-3.	-51		3239	
		Δ21	280	97	272	66	+44.8	-10.4	+34.4		3324.4	Δ21
	Δ21		35	-	35	50	-	-6	-6	3279	3222	USFS BOUND.
			100	-	100	50	-	-11			3217	
			300	-	300	47	-9	-10	-19		3209	
		Δ22	300	-	300	50	-	-6.7	-6.7		3221.2	Δ22

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125

-5.3

15

53 - 1
153 - 11
10 = 1000
675 - 5
162 = 12
2.5
794.5
2253
2.94 281
6 | 169 | 448
12 = 190
2.58
10 132

10 = 122
3 = 35
7 | 124
7 87
30
12 124
7.34
28
5 | 125

Topographer Rodman Checked by _____ Recorder _____

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	$\Delta 21$	HOLE	125	-	125	56	+7.5	-5.3	+2.2	3327.9	3330 3325	D.HOLE 15
2		$\Delta 23$	210	-	210	55	+10.5	-3.4	+7.1	3	3335 3320.8	$\Delta 23$
3	$\Delta 23$		400	-	400	46	-16	-10	-26	3338.5	3312	
4			500	-	500	45	-25	-3	-33		3308	
5			950	-	950	45	-47.5	-4	-51.5		3287	
6			710	-	710	46	-28	-11	-39		3299	
7			270	-	270	46	-10.8	-12	-22.8		3316	
8		$\Delta 24$	410	-	410	43	-12.3	-9	-21.3		3317.2	$\Delta 24$
9			180	-	180	46	-7.2	-6	-13.2		3325	D.HOLE 11
10			220	-	220	48	-4.4	-6	-10.4		3328	
11			430	-	430	48	-8.6	-4	-12.6		3326	
12		$\Delta 25$	660	-	660	50	8.8 -8.4	-8.4	-8.4		3320.1	$\Delta 25$
13	$\Delta 24$	HOLE	110	-	110	53	+3.3	-1.3	+2	3320.7	3323	D.HOLE 16
14			300	-	300	50	-	-6.5	-6.5		3214	
AFD -36			270						-5.5			

12/24
4:51
10.6
3 850

Topographer Rodman Checked by _____ Recorder _____

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	$\Delta 24$		270	-	270	54	+10.8	-5.5	+5.3	3320.7	3326	
2			330	-	330	50	-	-8	-8		3313	
3			470	-	470	50	-	-10	-10		3211	
4			850	-	850	53	+25.5	-12	+13		3322	
5			450	-	445	42	-36	-8	-44		3276	
6			830	-	825	43	-58.1	-5.5	-64		3256	
7			610	99	605	40	-61	-0	-61		3259	
8	TEMP		250	-	250	50	-	-6.5	-6.5	3290	3284	
9			240	-	240	44	-14	-5	-19		3271	
10	L		170	-	170	59	+15	-4	+11		5301	
11	$\Delta 22$		275	-	275	45	-13.7	-6.5	-20	3321.2 3324.7	3305	
12			270	-	270	45	-13.5	-7.5	-21		3304	
13			670	-	670	46	-25.8	-7	-33.8		3291	
14			175	-	175	42	-3.5	-4.5	-8		3317	

Topographer R.S. Beck
 Rodman WOLFE & JONES

Checked by
 Recorder

	From	To	Rod	H. C.	Corr. Dist.	Bea. Arc	Prod.	Rod Corr.	Elev. Diff.	H. I.	Elev.	Description of Station
1	<u>Δ 25</u>		<u>350</u>	<u>-</u>	<u>350</u>	<u>44</u>	<u>-210</u>	<u>-7</u>	<u>-28</u>	<u>3325</u>	<u>3305</u>	
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												

AFD -36

30 -4

130' N 40E

February 7, 1942

120

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

WOODCOCK GARNIERITE

Josephine Co.

Waldo area

This inspection was made during a heavy rain storm. The guide, Henry Payne, was rather uncommunicative, and seemed somewhat unfamiliar with the situation. Henry Leming, who is the principal promoter, was unable to accompany us, as "he could hike well". We discovered that a Mr. Benson, of the U.S.B.M., had examined and sampled the locality last fall but we were not advised of this until we were on the property.

Little work has been done to open the property. Some garnierite shows in the cuts but the showing is very poor compared with Nickel Mt. Hillsides are steep and fresh rock outcrops at the surface; this is an unfavorable situation for the concentration of garnierite. A few high grade masses were seen but mainly the garnierite has to be imagined from the greenish color of the rock.

The owners began their activity last fall by presenting a quantity of samples for assay. They became quite upset when we would assay only two, and they were inclined to get slightly nasty. Since then they have urged a field examination, which was finally made, but without any statements as to the former examination. Leming's story and Payne's story fail to check on numerous points and somehow the whole thing has an unhealthy aspect to me.

The trip was made by Joe Strutzel, Pres Hotz, Henry Payne, and Ray Treasher. At some later date, Strutzel and I will visit the property "on our own" when we can cruise around and really get some information. Mr. Payne seemed anxious to show us only what we were supposed to see.

Ray C. Treasher
Field Geologist
February 6, 1942.

February 16, 1942

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

WOODCOCK GARNIERITE

Waldo Area

Analyses

BG-1294	-----	2.07% nickel
BG-1296	-----	1.57% nickel
BG-1306	-----	2.31% nickel
CG-88	-----	1.31% nickel
CG-89	-----	0.86% nickel
CG-90	-----	1.37% nickel
CG-91	-----	1.11% nickel

CONFIDENTIAL

State Department of Geology and Mineral Industries

1069 State Office Bldg.
Portland 1, Oregon

SUMMARY OF INFORMATION RELATING TO URANIUM CORPORATION OF AMERICA ET AL

The current series of events concerning the activities of the Uranium Corporation of America (a Utah corporation), the Chemical and Metallurgical Enterprises, Inc. (originally the American Leasing Co.), the New Delhi Mines Ltd. and the Nickel Corporation of America was first brought to the attention of the Department by a letter from the Denver regional office of the Securities & Exchange Commission on June 26, 1956. At that time Uranium Corp. was preparing to merge with Chem. and Met. and certain proposals were being made to stockholders involving nickel deposits located on Woodcock and Eight Dollar mountains in Josephine County.

A letter from Alexander McGill of Ontario, California, on August 27, 1956, enclosed a clipping, apparently sent to him by Chem. and Met. as part of an invitation to purchase securities, in which several statements were made which tended to present the Woodcock Mountain deposits in too favorable a light with respect to the information currently available.

In response to a query by the Oregon Corporation Commissioner's department, Chem. and Met. on September 5th indicated that they had merged with Uranium Corp. and were taking the necessary steps to qualify for doing business in Oregon, but that they did not contemplate offering any securities for sale in the State. The Corporation Commissioner's office informed the Department on April 18, 1957, that Chem. and Met. had registered as a foreign corporation on January 4, 1957.

Fay Bristol informed the Department on April 17, 1957, that Chem. and Met. had merged with New Delhi Mines Ltd. of Toronto, Canada and that a new operating company called the Nickel Corporation of America had been formed to carry out the work in Oregon. Investigation of standard references on corporations at the public library revealed that New Delhi is an established mining company in Canada, with a 1938 charter granted in Ontario, and holding fairly extensive mining properties in Sudbury, Saskatchewan and Blind River. Apparently the consulting firm of Simard & Knight does work for New Delhi since they have the same street address. Bristol also informed the Department that Lionel Simard would be in personal charge of the Woodcock Mountain exploration. A letter received from the Ontario Minister of Mines indicated that Simard & Knight were a well-known consulting firm in good standing.

The status of Chem. and Met. was also investigated. No references in the standard lists of corporations could be found and the Denver SEC office in a letter dated April 29, 1957, stated that Chem. and Met. had no securities listed or registered on a national securities exchange, and that they had not sought to claim exemption under Regulation A for

offerings of securities or that the company had filed a registration statement for offerings of securities under the Securities Act of 1933. In the same letter the SEC stated that on October 29, 1956, Uranium Corp. stockholders had approved the sale of UCOA assets to Chem. and Met. in exchange for stock. Uranium Corp. was voted out of existence in March, with final termination set for April 30, 1957.

A letter was received from Dana Investment Co. of New York City on April 22, 1957, inquiring about the nickel deposits on Woodcock Mountain, Eight Dollar Mountain, Rough and Ready Flats and Thanksgiving Placer. On April 30 a long distance call from Dana Investment Co. was received. Dana was anxious to obtain all the information possible on Woodcock Mountain. In the course of the conversation it was learned that Nickel Corp. was already on the ground and that Lionel Simard was in charge of the drilling. One chura drill was in operation and two more scheduled to start soon. It was also learned that Edward W. White is the President of New Delhi Mines Ltd.

Ralph S. Mason, Mining Engineer
May 1, 1957

WOODCOCK MOUNTAIN, JOSEPHINE COUNTY, OREGON

No detailed geologic studies of Woodcock Mountain have been made by the State of Oregon Department of Geology and Mineral Industries. Generally speaking, the principal rocks found on the mountain are a peridotite of late Jurassic or early Cretaceous age. Laterization of the surface has produced the characteristically reddish-brown to tawny yellow soil. Depth of the laterization, as exposed in drill holes put down by the Department amounted to 16 feet maximum. The presence of numerous large, unweathered boulders prevented many holes from being drilled beyond a few feet in depth. In many places erosion has removed the softer weathered materials, leaving "shots" of magnetite on the surface. Garnierite was observed in place at several points on the mountain but no extensive boxwork similar to that occurring at Nickel Mountain was found.

The small amount of work done by the Department is insufficient to base any estimates on either the grade of ore or the tonnage.

Chemical & Metallurgical Enterprises, Inc., which was founded in 1918 as the American Leasing Company, has 62 claims in Josephine County, Oregon, which according to a report by the Oregon Bureau of Mines, contains at least ten million tons of nickel ore, averaging 1% nickel. This ore also contains cobalt and chromium. The chromium runs approximately 50 lbs. per ton of ore and the cobalt runs approximately $2\frac{1}{2}$ lbs. per ton of ore. At present market prices, this property has ore with a gross value of over One-Hundred-Thirty Million dollars. The ore lies right on the surface and can be mined by open pit methods at an estimated cost of 25¢ per ton. Chemical & Metallurgical Enterprises, Inc., is presently extensively engaged in a program to extract the nickel from its ore by chemical means and considerable progress has been made in this regard. The object is to mine and leach the nickel ore at an overall cost of not to exceed \$6 per ton and sell the nickel, cobalt and chromium for approximately \$15 per ton.

Summary of information relating to Uranium Corporation of America et al

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