Potato Patel	Muin	ar and	6746
NAME	OLD NAMES	PRINCIPAL ORE	MINOR MINERALS
145 31E T R	3 B S	PUBLISHED REFERENCES	· · ·
Mant Ocum	County Area		
••••••	ELEVATION	MISCELLANEOUS RECORDS	
	ROAD OR HIGHWAY		
•••••••••••••••••	DISTANCE TO SHIPPING POINT		
PRESENT LEGAL OWNER (	s)	Address	•••••
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OPERATOR	• • • • • • • • • • • • • • • • • • • •		
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EQUIPMENT ON PROPERTY			
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DEPARTMENTAL RECORDS on file in

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REPORTS Potato Patch Mine NSW Feb. 9, 1942	x		
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State Department of Geology and Mineral Industries

702 Woodlark Building Portland 5, Oregon

POTATO PATCH CHROMITE (Norway and Smith & Geitsfield)

AT SALES

Grant County Canyon District

Location: Sec. 3, T. 14 S., R. 31 E.

Owners: Einar P. Olsen, Mrs. Charles Surfus, and Edgar G. Olsen.

Leased by: The Tri-County Mining & Concentrating Corporation, John Day, Oregon.

Westgate (1921) and Thayer (1940) reported on the Norway and Smith & Geitsfield properties. The properties occur on low barren serpentine hills about 2 miles west of Canyon City. The deposits consist of sheared lenses and kidneys of chromite, some of which is better than 42 percent Cr203. The method of mining used was locally called "digging potatoes" as much of the ore recovered was from near-surface float. The area is now called the Potato Patch mine.

Previous mining discarded ore averaging 15 to 25 percent Cr203 which has recently been recovered from the dumps and milled by the Tri-County Mining & Concentrating Corporation. They shipped about 42 tons of concentrates from the Potato Patch ore in 1952. The concentrates averaged about 45 percent Cr203, with 2.1 to 1 chrome-iron ratio. Further mining on the Potato Patch is expected in 1953.

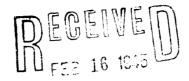
References: Westgate, L. G. (1921), Deposits of chromite in eastern Oregon: U. S. Geol. Survey Bull. 725, p. 37-60. Thayer, T. P. (1940), Chromite deposits of Grant County, Oregon: U. S. Geol. Survey Bull. 922-D.

Informant: E. R. Wells, Mt. Vernon

Visited: 11/8/52 by N.S.W. & L.R.

Report by: L.R.

State Department of Geology and Mineral Industries



702 Woodlark Building Portland, Oregon

Compiled by N. S. Wagner Date: February 9, 1942

Canyon Area - Grant County

STATE DEPT OF GEOLOGY & MINERAL INDS.

Name: Potato Patch Mine (Chrome)

Location: T. 14 S., R. 31 E. - S. 3.

<u>History</u>: During 1942 and 1943 this property was developed by Messrs. Isgrig and Lilley and Prescott and Mason. The latter shipped by far the bulk of the 170 tons accredited<sup>\*</sup> to the property. The grade of this ore ranged between 35.08 and 48.0% Cr<sub>2</sub>O<sub>3</sub> with the preponderance of the tonnage shipped being in excess of 40.% Cr<sub>2</sub>O<sub>3</sub>. The Cr:Fe ratio varied between 3.4:1 and 2.22:1. The property is not now being worked.

From records of ores purchased at Seneca depot of the Metals Reserve.

State Department of Geology and Mineral Industries

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## POTATO PATCH MINE

## Canyon Area Grant County

The following is a record of concentrates milled from this property and shipped to the government buying depot in Grants Pass during 1952. This represents the only known production since that made to the Seneca depot during 1942 and 1943 as recorded in a report under the above name compiled by N. S. Wagner in 1944. The following figures were supplied by Mr. J. A. Curson, General Manager of the Tri-County Mining & Concentrating Corporation, Nevember 22, 1952.

## Potato Patch Ore

Lead No. 1 & 2(comb:	August 12-18, 1952					
Net dry weight - 19.2933 long tons						
Chromic exide	<u>Iron</u>	Chromium to iron	<u>Silica</u>			
43.67%	14.55	2.053 to 1	8.88			
Losd No. 3			August 29, 1952			
Net dry weight - 11.4750 long tons						
Chromie exide	• Iron	Chromium to iron	<u>Silica</u>			
45.58%	14.73	2.117 to 1	6.76			
Load No. 4			September 5, 1952			
Net dry weight - 11	.5750 dry tons					
Chromic oxid	e Iron	Chromium to iron	<u>S111ce</u>			
46.23%	14.85	2.129	6.08			
Total concentrates milled from Potato Patch ore - 42,3433 long tons dry weight.						
Report by: N. S. W. Date: November	agner r 24, 1952					