

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland 5, Oregon

## MEMORANDUM REPORT

### MAGNETITE IN MALHEUR COUNTY:

(<sup>2</sup>Foreword;) The presence of magnetite deposits in an area extending from around Brogan to near Ironside has been a source of interest <sup>to</sup> of local prospectors ~~over~~ ~~a period~~ <sup>FOR</sup> of many years. Claims were taken at different times and it is understood that a company ~~of~~ of Ontario business men was once organized for ~~the purpose~~ <sup>To</sup> of developing the showings. Nothing much was ever accomplished apparently. <sup>2</sup> (as there are no reports on the occurrence in the departments files or in any of the earlier publications on Minerals Resources issued by the previous state survey or by the Federal government. While these occurrences are common knowledge locally, and the writer has talked to several different prospectors about them at one time or another, and has even seen specimens, he has never been able heretofore to get more than vague, generalized location data such as "near Brogan" or "in the hills between Brogan and Ironside" etc.) Recently however (the writer was told that) some <sup>WAS</sup> ~~had been~~ done on one occurrence during the summer of 1952 by (a <sup>2</sup> Mr.) Harry Schaffer of Ontario. <sup>2</sup> (This was confirmed by correspondence with Mr. Schaffer and the present report is therefore written as a matter of recording the information thus received since the present weather conditions will probably render it impracticable to attempt a field examination before late Spring.)

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Property name; Unknown.

Owner or lessee; Mr. Harry Schaffer, East Idaho Avenue, Ontario, Oregon.

Location; T 16 S; R 41 E; Section 9. This is southwest of Brogan. The distance to the railroad at Brogan is 12 miles by the present jeep access road and 8 miles by a potential alternative route.

ADD 1

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Claim area; Unknown.

Geology; A generous sized and presumably typical sample of ore furnished by Mr. Schaffer showed magnetite finely disseminated in a siliceous rock matrix. Analysis showed a 49.72% iron content and 27.94% silica. In this connection it may be noteworthy that other specimens seen by the writer exhibited inch sized octahedron crystals in massive ore suggestive of massive vein matter, and indeed, various of the other informants spoke of "veins" and "vein walls" etc. The possible location of one such site was pointed out to the writer on a flight over the area last summer and this location appeared to be at the foothills approximately 3 miles due south of Brogan. Thus the district as a whole may well contain magnetite in the form of both disseminated bodies and veins and pods. Regarding the subject location, namely that of the disseminated ore, the impression received by the writer from the account given by the informant who first advised him of Schaffer's work is that said work had disclosed several tens of thousands of tons of ore. This of course remains to be verified by field examination as do all other phases of the geologic setting of the occurrence at this stage of the game, but it is interesting to note in that it indicates substantial tonnage as compared to the better known, but small, pods of highgrade hematite situated on the lower reaches of the Powder River in Baker County.

Report by N.S. Wagner  
Date of report; Jan 9, 1953  
Date of exam; Not visited  
Informants; Harry Schaffer, Ontario  
Dr. Weese, Ontario  
H.D. Lackey, Ontario  
E.W. Pruyn, Nyssa.

ORE MIN?

MAGNETITE IN MALHEUR COUNTY

*Think there is more on this*

The presence of magnetite deposits in an area extending from around

Brogan to near Ironside has been a source of interest to local prospectors

*have been staked*

for many years. Claims ~~were~~ taken at different times and it is understood

*Brogan*

that a company of Ontario business men was once organized to develop the

*but there is little evidence of development work*

showings, Nothing much was ever accomplished apparently. Recently, how-

*BULL*

ever, some dozing was done on one occurrence during the summer of 1952 by

~~Harry Schaffer of Ontario. The following information was supplied by~~

*examination*

*BY THE DEPARTMENT*

~~Mr. Schaffer. An inspection will be made when the unnamed property is~~

*area*

accessible this spring.

~~Owner or lessee: Harry Schaffer, East Idaho Avenue, Ontario, Oregon.~~

~~Location: T. 16 S., R. 41 E., sec. 9, about 12 miles by road south-~~

~~west of Brogan.~~

Description of ore: *The ore consists of* finely disseminated magnetite in siliceous rock

*of one grab sample*

matrix. Analysis shows 49.72 percent Fe and 27.94 percent SiO<sub>2</sub>. Some

*were seen,*

~~specimens consist of one inch sized octahedrons, suggesting massive vein~~

~~material.~~