

# State Department of Geology and Mineral Industries

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1069 State Office Building  
Portland 1, Oregon

COOPER & YOUNG IRON PROSPECT

STATE DEPT. OF GEOLOGY  
& MINERAL INDUST.

Douglas County  
Tiller-Drew District

Owners: Greg G. Cooper, Riddle, Oregon; S. J. Cooper, Faye M. Cooper, B. A. Young and Lova Young, Roseburg, Oregon.

Area: Five lode claims held by location include the Morning Star, Age of Progress, Kimberley, Transval and Comstock.

Location: Three claims are located in the SW $\frac{1}{4}$  Sec. 3 and two in the NW $\frac{1}{4}$  Sec. 10, T. 31 S., R. 2 W. The claims are contiguous and join on the section line between 3 and 10 and also border sections 4 and 9.

The area was reached via Highway 227 to a new bridge and access road across Elk Creek about 3 miles south of Tiller then via  $\frac{1}{2}$  mile of trail up the steep hillside north of the small gulch coming into Elk Creek from the west. The main prospect is on the southeast slope of a bare ridge about 1,750 feet elevation near the corner common to sections 3, 4, 9, and 10.

Development: The principal workings examined is a bulldozer cut about 50 feet in diameter and 1 to 4 feet deep.

Geology: The country rock is a partially serpentinized olivine-rich peridotite grading into dunite. Lenses of disseminated to massive magnetite up to 2 feet wide occur in a zone intermittently exposed for about 45 feet. The zone strikes about N. 20° E. and appears to dip steeply.

Dip needle readings taken across the zone vary from a background of 10° up to 20° directly over the zone. A large number of dip needle readings taken over the areas mainly to the south and out the ridge to the north failed to disclose any anomalous dips.

Cooper-Young Iron Prospect

- 2 -

A grab sample (UG-182, P-25470) of massive magnetite from the pit assayed 67.17 percent Fe, Trace Cr<sub>2</sub>O<sub>3</sub>, Trace TiO<sub>2</sub>, and Nil platinum group.

Visited: 7/25/60 with S. J. Cooper and B. A. Young.

Report by: Len Ramp, 9/9/60.

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CRIB MINERAL RESOURCES FILE 12

## RECORD IDENTIFICATION

RECORD NO..... M061193  
 RECORD TYPE..... X1M  
 COUNTRY/ORGANIZATION. USGS  
 MAP CODE NO. OF REC..

## REPORTER

NAME..... JOHNSON, MAUREEN G.  
 UPDATED..... 81 02  
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

## NAME AND LOCATION

DEPOSIT NAME..... COOPER AND YOUNG PROSPECT

MINING DISTRICT/AREA/SUBDIST. TILLER-DREW

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

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

COUNTY..... DOUGLAS  
 DRAINAGE AREA..... 17100302 PACIFIC NORTHWEST  
 PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS  
 LAND CLASSIFICATION..... 00

QUAD SCALE            QUAD NO OR NAME  
 1: 62500            TILLER

LATITUDE            LONGITUDE  
 42-54-05N            122-56-27W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
 4749658.0            504831.8            +10

TWP..... 31S  
 RANGE..... 02W  
 SECTION.. 03, 09  
 MERIDIAN. W.M.

ALTITUDE.. 1750

LOCATION COMMENTS: COR 3,4,9,10

## COMMODITY INFORMATION

COMMODITIES PRESENT..... FE

DRE MATERIALS (MINERALS, ROCKS, ETC.)  
MAGNETITE

ANALYTICAL DATA (GENERAL)

SAMPLE OF MORE MASSIVE MAGNETITE ASSAYED 67.17% FE

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE MAGNETITE, DISSEMINATED

FORM/SHAPE OF DEPOSIT: LENS

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL  
MAX LENGTH..... 45 FT  
MAX WIDTH..... 2 FT  
STRIKE OF OREBODY.... N20E  
DIP OF OREBODY..... 90

DESCRIPTION OF WORKINGS

SURFACE

COMMENTS (DESCRIP. OF WORKINGS):

BULLDOZER CUT

PRODUCTION

NO PRODUCTION

ANNUAL PRODUCTION (ORE, COMMOD., CONC., OVERBURD.)

23 ORE, FE, SML                      SAMPLE                      PRE 1972                      67 FE

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR  
HOST ROCK TYPES..... PERIDOTITE

GENERAL REFERENCES

1) RAMP, L., 1972, GEOLOGY AND MINERAL RESOURCES OF DOUGLAS COUNTY; ODGMI BULL. 75, P. 46

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street  
Baker, Oregon

1069 State Office Building  
Portland 1, Oregon

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

*See copy*

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 7/26/60

Name (or names) of owners of the property Cooper & Young

Are you hiring labor? \_\_\_\_\_ Are you milling or shipping ore? \_\_\_\_\_

Name of claim sample obtained from Age of Progress

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Douglas Mining District Tiller-Drew

Township 31 S Range 2 W Section 10 Quarter section NW

How far from passable road? 3/4 mile Name of road Hwy. 227

Channel (length)    Grab    Assay for    Description

Sample no. 1 \_\_\_\_\_ x    Fe, Cr<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub>, Pt. grp.

Sample no. 2 \_\_\_\_\_

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

(Signed) Len Ramp

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

Sample Description Massive magnetite from dunite. ✓

Sample number	GOLD		SILVER		PLATINUM GROUP	CHROME Cr <sub>2</sub> O <sub>3</sub>	IRON Fe	TITANIUM TiO <sub>2</sub>
	oz./T.	Value	oz./T.	Value				
P-25470 UG-182	---	--	---	--	Nil	Trace	67.17%	Trace

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed 8-12-60 Called for \_\_\_\_\_