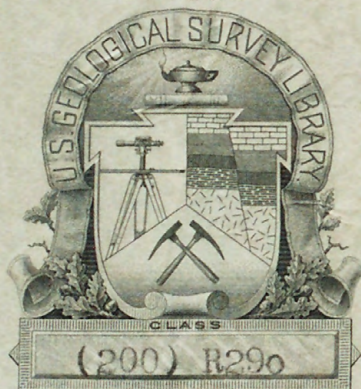


(200)

R290

No. 192

147554



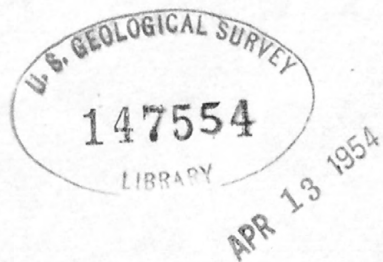
no. 192, 1953

(200)

R290-

no. 192

✓
U. S. Geological Survey,
Reports. Open file series.



200)
290
192



STRATIGRAPHIC SECTIONS IN THE VICINITY OF THE WHITE PINE COPPER MINE
ONTONAGON COUNTY, MICHIGAN

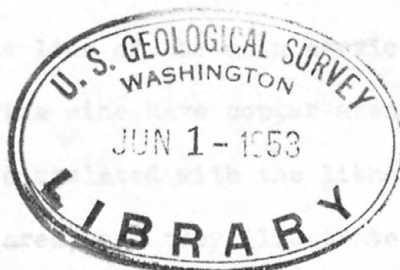
W. S. White 1915-1916
W. S. White and J. O. Wright *1923-*

U. S. Geological Survey

Reports - Open file series

OPEN FILE

RELEASED: *June 1, 1953*



This report and accompanying illustrations are preliminary and have not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

o)
90
92

STRATIGRAPHIC SECTIONS IN THE VICINITY OF THE WHITE PINE COPPER MINE
ONTONAGON COUNTY, MICHIGAN

W. S. White and J. C. Wright

U. S. Geological Survey

The lithology and stratigraphy of the ore zones near the base of the Nonesuch formation in the vicinity of the White Pine copper mine, Ontonagon County, Michigan, are shown on preliminary stratigraphic sections that have been made available for examination.

Partial logs of 91 holes, drilled by the Copper Range Company from 1937 to 1949 in an area of approximately 9 square miles, are graphically presented on 15 sheets. The stratigraphic sections, at a vertical scale of 1 inch equals 4 feet, show lithologic details of composition, bedding, and color, in the lower 60 feet of the Nonesuch formation and in the top of the immediately underlying rocks. The stratigraphic sections of 7 drill holes along the line of the main service drift now being driven to develop the White Pine mine have copper assays (from records of the Copper Range Company) correlated with the lithology. These assays are representative of the area, and they illustrate the stratigraphic restriction of the ore and the persistent correlation between lithology and copper content.

0)
290
192
82

This open-file material, entitled "Stratigraphic sections at White Pine, Ontonagon County, Michigan", records the lithologic and stratigraphic classification of these drill cores by W.S. White and J. C. Wright, and copies are available for examination in the offices of the Geological Survey: Room 1033 (Library), General Services Administration Building, Washington, D. C.; Room 213 Science Hall, University of Wisconsin, Madison 6, Wisconsin; and Calumet, Michigan; and at the office of the Geological Survey Division, Michigan Department of Conservation, Lansing, Michigan.

- On file at the Geological Survey, Calumet, Mich.; Room 213 Science Hall, University of Wisconsin, Madison, Wis.; and at the Geological Survey Division, Michigan Department of Conservation, Lansing, Mich.
4. Geologic map of the Smelterville and vicinity quadrangle, Blaine County, Idaho, by A. B. Campbell, 1 map, no text.
- On file at the Geological Survey Distribution Office, Room 504 Federal Bldg., Salt Lake City, Utah; and at the Idaho Bureau of Mines and Geology, Boise, Idaho.
5. Geologic traverse geologic traverses in western Mineral County, Mont., by R. J. Wallace and J. W. Hoshorn, 1 map, no text.
- On file at the Geological Survey, Spokane, Wash.; and at the Montana Bureau of Mines and Geology, Butte, Mont.
6. Stratigraphic sections of the Pliocene formation measured and sampled at ... by T. M. Chubb, R. F. Shallen, E. R. Orin, N. A. Hunt, and L. ...
- On file at the Geological Survey Distribution Office, 504 Federal Bldg., Salt Lake City, Utah; Geological Survey, Spokane, Wash.; Montana Bureau of Mines and Geology, Butte, Mont.; and at the Idaho Bureau of Mines and Geology, Boise, Idaho.

Library,

U. S. Geological Survey,
WASHINGTON
Washington, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Washington 25, D. C.

MAY 20 1953

LIBRARY

For Release JUNE 1, 1953

GEOLOGIC MAPS AND REPORTS RELEASED FOR PUBLIC INSPECTION

The Geological Survey is releasing in open files the following maps and reports on the geology of various parts of the United States. Copies are available for consultation at the Geological Survey, Room 1033 (Library), General Services Bldg., Washington, D. C., and at other places as listed. Copies are not available for distribution unless so indicated.

1. Geology of the Tungstar and Hanging Valley tungsten mines, by P. C. Bateman, 12 p., 2 illus.

On file at the Geological Survey, 102 Old Mint Bldg., San Francisco, Calif.; and at the California Division of Mines and Geology, Ferry Bldg., San Francisco, Calif.

2. Stratigraphic sections at White Pine, Ontonagon County, Mich., by W. S. White and J. C. Wright, 1 p., 1 fig., 2 explanation sheets, 15 sections.

On file at the Geological Survey, Calumet, Mich.; Room 213 Science Hall, University of Wisconsin, Madison, Wis.; and at the Geological Survey Division, Department of Conservation, Lansing, Mich.

3. Geologic map of the Smelterville and vicinity quadrangle, Shoshone County, Idaho, by A. B. Campbell, 1 map, no text.

On file at the Geological Survey Distribution Office, Room 504 Federal Bldg., Salt Lake City, Utah; and at the Idaho Bureau of Mines and Geology, Moscow, Idaho.

4. Reconnaissance geologic traverses in western Mineral County, Mont., by R. E. Wallace and J. W. Hosterman, 1 map, no text.

On file at the Geological Survey, Spokane, Wash.; and at the Montana Bureau of Mines and Geology, Butte, Mont.

5. Stratigraphic sections of the Phosphoria formation measured and sampled in 1952, by T. M. Cheney, R. P. Sheldon, E. R. Cressman, R. A. Smart, and L. D. Carswell, 26 p.

On file at the Geological Survey Distribution Office, 504 Federal Bldg., Salt Lake City, Utah; Geological Survey, Spokane, Wash.; Montpelier, Idaho (open from May to October); and at the Idaho Bureau of Mines and Geology, Moscow, Idaho; Montana Bureau of Mines and Geology, Butte, Mont.; Wyoming Geological Survey, Laramie, Wyo.; and the University of Utah, Salt Lake City, Utah.

The following 6 reports (items 6 through 11) are on file at places listed after item 11. These reports were made by the Geological Survey in cooperation with the Massachusetts Department of Public Works.

6. Geology and geologic interpretation of seismic data for relocation of Route 20 in Lee, Mass., proposed cut, stations 186-204, eastbound roadway, by J. E. Maynard and Rev. Daniel Linehan, 2 p., 3 pls.
7. Geology and geologic interpretation of seismic data, relocation of Route 20, cut, stations 752-764 in Ludlow, Mass., by J. E. Maynard and Rev. Daniel Linehan, 2 p., 2 pls.
8. Geology and geologic interpretation of seismic data, relocation of Route 1 in West Newbury, Mass., cut, stations 8-15, by J. E. Maynard and R. M. Hazlewood, 2 p., 2 pls.
9. Geology and geologic interpretation of seismic data, relocation of Route 7, cut, stations 274-277 in Great Barrington, Mass., by J. E. Maynard and R. M. Hazlewood, 2 p., 1 pl.
10. Geology and geologic interpretation of seismic data for relocation of Route 20, cut, station 116-120, westbound highway in Stockbridge, Mass., by J. E. Maynard and R. M. Hazlewood, 2 p., 1 pl.
11. Geologic interpretation of seismic data along proposed relocation of Route 1, stations 19-26 in Salisbury, Mass., by R. M. Hazlewood and R. O. Castle, 2 p., 1 pl.

Reports listed under items 6 through 11 are on file at the Geological Survey, Barnum Museum, Tufts College, Medford, Mass.; and at the Massachusetts Department of Public Works, 100 Nashua Street, Boston, Mass.

12. Spotted Horse coal field, Sheridan and Campbell Counties, Wyo., by W. W. Olive, 77 p., 21 illus., 2 tables.

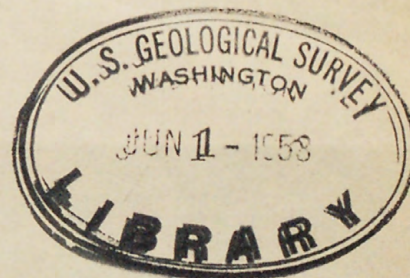
On file at the Geological Survey, Room 4240 General Services Bldg., Washington, D. C.; Geological Survey Public Inquiries Office, Room 468 New Customhouse, Denver, Colo.; Geological Survey, Room 315 Federal Bldg., Billings, Mont.; and at the Library, Louisiana State University, Baton Rouge, La.

x x x

6)
29.
5. 192
8.1

UNITED STATES
DEPARTMENT
OF THE INTERIOR

GEOLOGICAL
SURVEY



This map or illustration preliminary and has not been
ted or reviewed for conformity
h Geological Survey standards
d nomenclature.

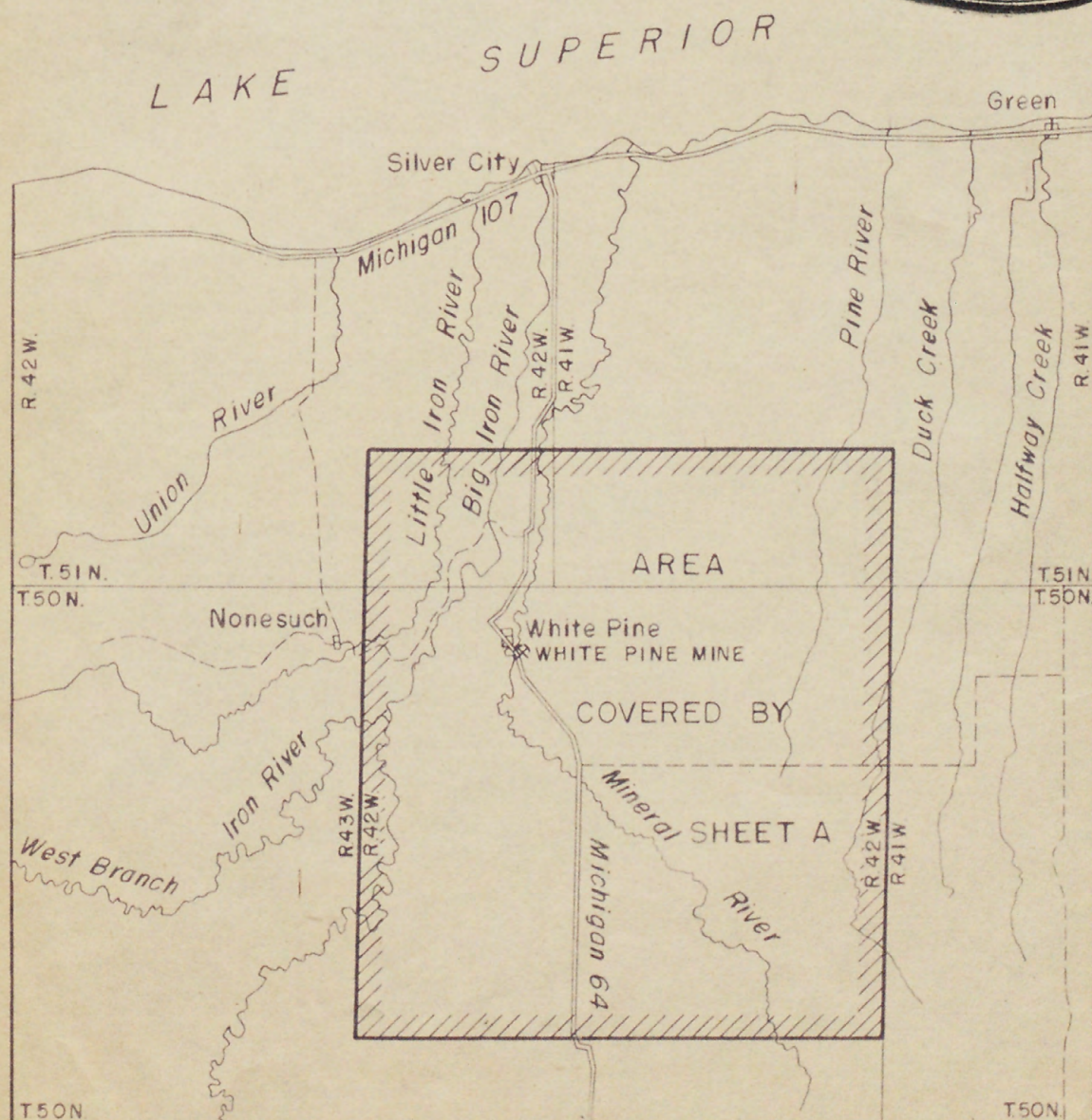


Figure 1. Index maps showing the location of the White Pine Mine,
Ontonagon County, Michigan.

folder with 17 sheets
accompanies

USGS LIBRARY - RESTON



3 1818 00083551 0