# UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

state Minnesota	2. THEME(S). IF ARCHEOLOGICAL SITE, WRITE "ARCH" BEFO XVII-b Commerce and Industry	RE THEME NO.
NAME(S) OF SITE Hull-Rust-Mahoning Open Pi	t Mine	4. APPROX. ACREAGE
EXACT LOCATION (County, township, roads, etc. If diffic	cult to find, sketch on Supplementary Sheet)	
Saint Louis County, north	of Hibbing, via Third Ave. East.	
NAME AND ADDRESS OF PRESENT OWNER (Also admit		1
MPORTANCE AND DESCRIPTION (Describe briefly what	makes eile important and what remains are extant)	
largest iron mine in the was the chief producer of the American steel industry, win the nation, and enable manufacturer of steel.	whoning open pit mine of the Mesabi world. It was the immense output of the Mesabi range, that was to revolute make Minnesota the largest produces the United States to become the wo eveloped in 1895, the Hull-Rust-Mah ne world's mines to be worked by on	of this mine, lutionize the r of iron ore orld's largest noning mine was
Mesabi range, it was far f discovered there. That o known as the Hull-Rust-Mak mine was explored by W. C.	rin Iron Mine was the first to be of from the largest and most productive distinction is reserved for the com- noning open pit mine near Hibbing.  Agnew in 1893-94 and operations be a second of the company of the com	ve mine to be mbination of mines The area of this pegan in 1895.
by underground workings, to circumstance led to the instrip mining. In this late is removed and then the exclusional the excavated ore dirmills. This method was fi	sits of the Vermilion range, which chose of the Mesabi lay near the survention of the new technique known ter process the earth above these sposed ore is mined by giant steam sectly onto railroad cars to be callest experimented with at the Biwal and was then immediately adopted at	urface. This n as open pit or shallow deposits shovels which rried to the steel bik mine on the
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### NATIONAL SURVEY OF HISTORIC SITES AND BUILDINGS SUPPLEMENTARY SHEET

This sheet is to be used for giving additional information or comments, for more space for any item on the regular form, and for recording pertinent data from future studies, visitations, etc. Be brief, but use as many Supplement Sheets as necessary. When items are continued they should be listed, if possible, in numerical order of the items. All information given should be headed by the item number, its name, and the word (cont'd), as, 6. Description and Importance (cont'd)...

	<u> </u>
STATE	NAME(S) OF SITE
Minnesota	Hull-Rust-Mahoning Open Pit Iron Mine

#### 7. Continued.

From the first shipment of ore in 1892 until 1961, the giant Mesabi range has supplied over two billion gross tons of iron ore for the nation's steel furnaces, or more than one-half of the iron ore mined in the United States during those years. Of this Mesabi output, more than 500,000,000 gross tons--or about a fourth of all ore shipped from this range--have come from the giant Hull-Rust-Mahoning mine.<sup>2</sup>

#### Present Condition of the Site

The Hull-Rust-Mahoning mine is not one mine but a combination of more than nine open pits operating from what appears to be a single hole in the ground. It has frequently been called "Minnesota's Grand Canyon," because more material has been removed from it than was removed from the Panama Canal in its construction. The mine, which is still active, is now more than 1 1/2 miles wide, 3 miles long, and 534 feet deep. An observation platform is loaded on the south rim, from which visitors can safely view the operations. The State of Minnesota has also undertaken to interpret the history and operations of the mine.

Comparative figures, 1892-1907, on the output (in tons) of iron ores from the Vermilion and Mesabi ranges in Minnesota:

	Vermilion Mines	Mesabi Mines
1892	1,167,650	4,245 (First Year)
1893 -	820,621	613,620
1894	948,513	1,793,053
1895	1,077,838	2,781,587
1896	1,088,090	2,882,079
1897	1,278,481	4,275,809
1900	1,675,949	7,809,535
1905	1,578,626	20,156,566
1907	1,792,355	23,792,553

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STATE
Minnesota
NAME(S) OF SITE
Hull-Rust-Mahoning Open Pit Iron Mine

- 8. Bibliographical References.
- F. P. Wirth, The Discovery and Exploitation of the Minnesota Iron Lands (Cedar Rapids, 1937); June D. Holmquist and Jean A. Brookins, Minnesota's Major Historic Sites, A Guide (St. Paul, 1963), 172; Minnesota, A State Guide (American Guide Series) (New York, 1947), 95-97, 322-324; Frank R. Holmes, ed., Minnesota in Three Centuries (4 vols., Mankato, Minn., 1908), Vol. 4, 375-384; Theodore C. Blegen, Minnesota, A History of the State (St. Paul, 1963), 359-383; Charles E. Van Barneveld, Iron Mining in Minnesota (Minneapolis, 1912), 40-41.