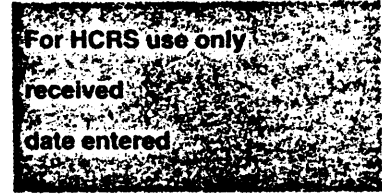


**United States Department of the Interior
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Lime Kilns of Waukesha County Thematic
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GARWIN MACE LIME KILNS (1890)

NRHP 3/12/82

Location: Limekiln Park
Menomonee Falls, WI 53051

Owner: Village of Menomonee Falls
Mr. Robert J. Steliga, Village President
P. O. Box 100
Menomonee Falls, WI 53051

Lime production in the vicinity of Menomonee Falls began in the 1840s. The town of Menomonee long has been a center of the County's limestone production. The production of lime in Menomonee Falls, at least in comparison with the industry in other county communities, was less pursued even though limestone suitable for the making of lime appeared to be abundant:

Of the limestone deposit in this place and vicinity, there is practically no end. The supply is greater than at Pewaukee, and easier to get at. If enterprise and capital were applied, this place would become the chief lime-center of the Northwest, partly on account of the excellence of the lime...There are several kilns in operation, but the quantity shipped abroad is very small.¹

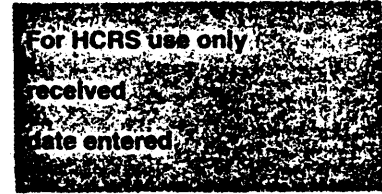
An Isaac Howard opened the first limestone quarry in the vicinity in 1838. Frederick Nehs built three hillside lime kilns near the lower falls of the Menomonee River in 1845. The Nehs family owned the kilns and property in Section 10 through 1891. Only the ruins of the trio of 1845 kilns exist, and very little documentation exists to indicate the extent or longevity of the Nehs lime business. Garwin Mace built three vertical shaft lime kilns in 1890, above and behind the older Nehs set.² The limestone used to build the kilns, and presumably the stone burned in the kilns, was quarried across the Menomonee River. Mace operated the kilns for only three years, as by 1893 the market for lime had been saturated by the national overproduction of previous years.³

The Garwin Mace lime kilns are distinguished from the other kilns in this nomination by their cylindrical burning shafts. Iron rings lined the upper portion of the shafts; the remainder of the shafts were lined in firebrick. Like the Hadfield kilns, the three Mace lime kilns stand in line, although they are a less impressive ensemble. Each kiln has two burning shafts. The middle kiln is nearly a ruin but the two flanking kilns have been stabilized. The Mace kilns are rectangular in plan. Two drawholes occupy the longer sides of each kiln, and single drawholes are in the shorter sides. The kilns are constructed of rough slabs and blocks of limestone; the drawholes have been reconstructed in brick as a stabilization measure. Each kiln is approximately 25 feet tall. The Mace kilns were served by the Milwaukee and St. Paul (later the Chicago, Milwaukee and St. Paul), the Chicago and Northwestern, and the Hadfield company's Milwaukee, Menomonee Falls and Western railroad. Highway 74 also connected the Mace kilns and area quarries with kilns and quarries in the Sussex area. Since the 1960s, the Garwin Mace lime kilns have been the focal point of Menomonee Falls's Limekiln Park.

(see next page for footnotes)

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¹"Wisconsin News," Milwaukee Daily Sentinel, 27 October 1876.

²Loerke, p. 9.

³Mineral Resources 1889-1890, pp. 6-9.

SUSSEX LIME KILN (c. 1890) Determined Eligible - 3/2/82

Location: Hwy. 164
Sussex, WI 53089

Owner: R. H. Nagy and E. M. Kraut
18145 Coleen Vue Blvd.
Brookfield, WI 53005

Limestone quarries opened early in the town of Lisbon. The Davidson Quarry opened in 1840 in Section 23, and Messrs. Smith and Elliott burned lime in Section 26 by 1849. Later incorporated in the Templeton Lime and Stone Co., six kilns in the vicinity of the old Elliot kilns burned lime until 1916, when the 35-foot tall kilns and a dynamite shack burned. Portions of Sections 34 and 35 included extensive quarry land and were owned for many years by the Weaver family. This founding family of Sussex owned early quarries and kilns. A pile of limestone chunks is all that remains of the Thomas Weaver (later F.G. Hinds's) lime kiln in Section 34, south of County Trunk K. Weaver bought the kiln, which had been built in 1848 or 1849, in 1853; rebuilt the kiln in 1854; and burned lime there until 1866.¹ Much of the old Weaver property now is worked by the Halquist Quarry.

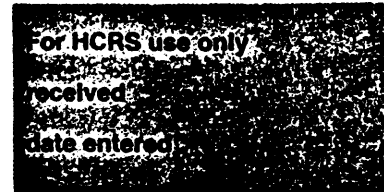
The last lime kiln in the area of Sussex stands in Section 23 near the old Davidson quarry. An 1871 plat map shows a kiln in this location, although the date of the extant kiln is prior to 1891. The extant kiln was built by the Wisconsin Lime and Stone Co. and abandoned in 1910, when the Chicago and Northwestern Railroad was built on reclaimed quarry land to the north of the kiln.

Perhaps originally 35 feet tall, this rectangular shaft kiln contains two rectangular burning shafts within its thick, battered walls. The kiln is built of heavily mortared slabs of limestone. The shafts themselves are rounded-corner, rectangular in plan. The rounded corners facilitated the uninterrupted movement of the heated, sticky pieces of limestone through the kiln. The shafts were lined with a sequence of refractory linings, portions of which are still intact: firebrick, granite and, at the topmost part of the shaft, local limestone. Four firing eyes, two each in the western and eastern elevations, were covered with cast iron doors. The fire grates inserted into the walls of the kiln and other miscellaneous fittings were of cast iron. None of this equipment exists. Two arched drawholes, one at the bottom of each shaft, are in the western elevation. A wooden catwalk circled the kiln at the level of the firing eyes and a wooden shed covered the catwalk and unloading areas, protecting the kiln attendants from inclement weather. The Sussex kiln, a typical vertical shaft kiln, operated continuously in all seasons. An

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"Wisconsin News." Milwaukee Daily Sentinel, 27 October 1876.

Whitbeck, Ray Hughes. "The Geography and Economic Development of Southeastern Wisconsin." Geological and Natural History Bulletin 58 (1921).

. "The Geography and Industries of Wisconsin." Wisconsin Geological and Natural History Survey 26 (1913).

Geographical Data

A. Johnson Kiln

Acreage: 7 acres

Quadrangle name: Genesee, Wisconsin

Verbal boundary description: part of the sw 1/4 of Section 24, Town 6 North, Range 18 East; commencing 21 feet east of the 1/8 corner post, west 996.5 feet, southwest 193.4 feet, south 75.75 feet, east 884.4 feet, north 6.75 feet, east 230.3 feet, south 23.75 feet, east 245.2 feet to the center of the highway, north 64 feet, east 50 feet, north 28.10 feet, west 361.5 feet, north 156 feet to the beginning (vol 1255.233 deeds). The property is located on Highway 59, one mile east of Genesee Depot between Genesee and Waukesha.

B. Hadfield Kilns

Acreage: 3.123 acres

Quadrangle name: Waukesha, Wisconsin

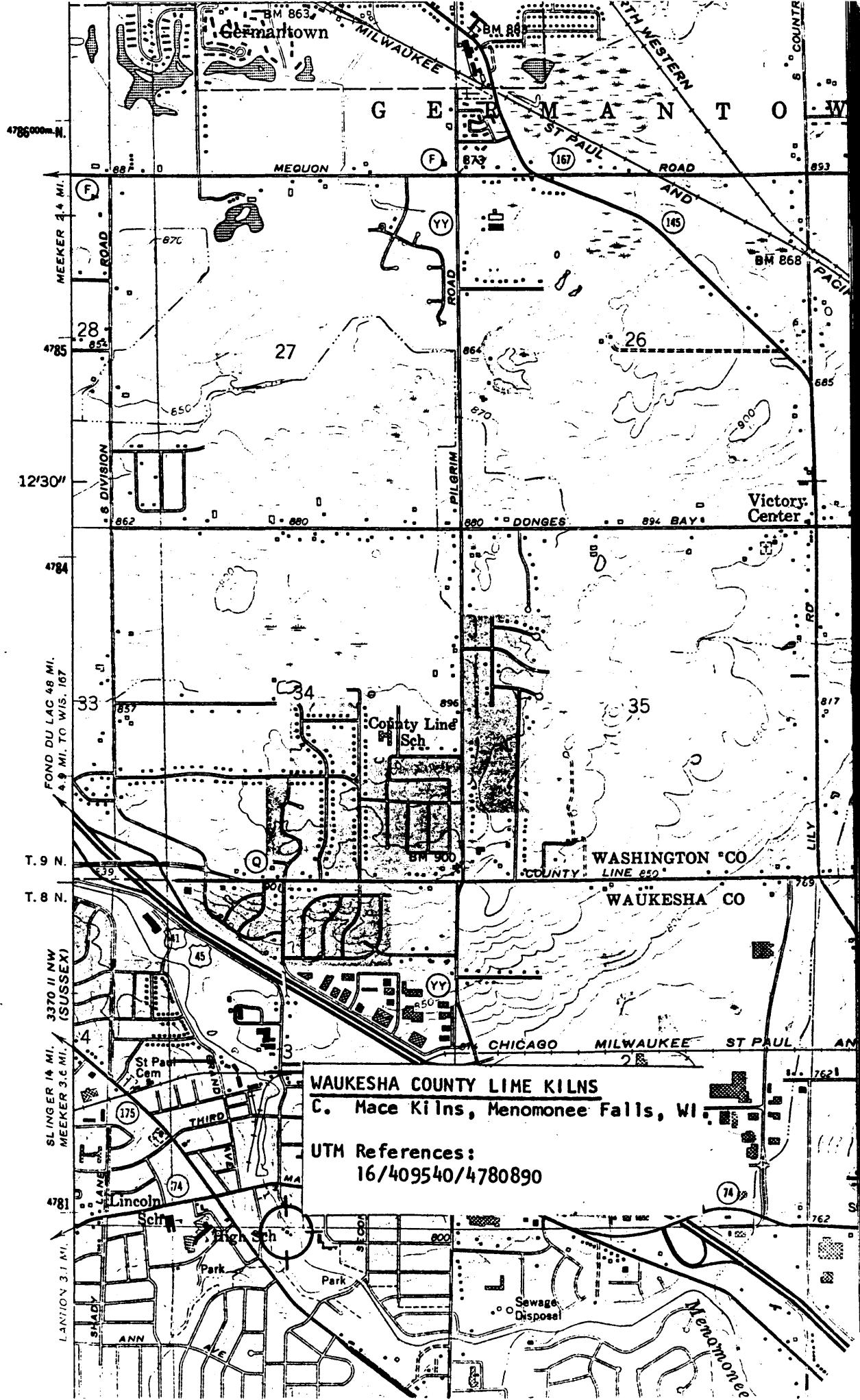
Verbal boundary description: part of the se 1/4 of Section 26, Town 7 North, Range 19 East, Town of Pewaukee; commencing at the nw corner of the se corner of Section 26, thence due south along the west line of said se 1/4 175.00 feet; thence due east 33.00 feet to the place of beginning of the land herein to be described; thence due south 183.77 feet; thence easterly 586.02 feet along the arc of a curve of radius 2308.77 feet, center lies to the North, chord bears south 82°24'30" east 584.45 feet; thence due north 260.98 feet; thence due west 579.33 feet to the place of beginning; containing 3.124 acres of land.

C. Mace Kilns

Acreage: less than one acre

Quadrangle name: Sussex, Wisconsin

Verbal boundary description: The kilns are situated in Limekiln Park in the Village of Menomonee Falls. The nominated property includes the kilns and 10 feet of land to the northwest, southeast, and southwest of the kilns, and extending to the Menomonee River to the northeast of the kilns.



WAUKESHA COUNTY LIME KILNS
 C. Mace Kilns, Menomonee Falls, WI

UTM References:
 16/409540/4780890

SLINGER 14 MI. 3370 II NW
 MECKER 3.6 MI. (SUSSEX)
 LANTION 3.1 MI.

FOND DU LAC 48 MI.
 4.9 MI. TO WIS. 167

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C. Mace Lime Kilns - circa 1890

Village of Menomonee

USGS Menomonee Falls

In Limekiln Park. Kilns are located southeast of the intersection of highways 175 and 74. Approximately .2 miles east of the intersection on highway 74 (Main Street), then approximately 600 feet north.

