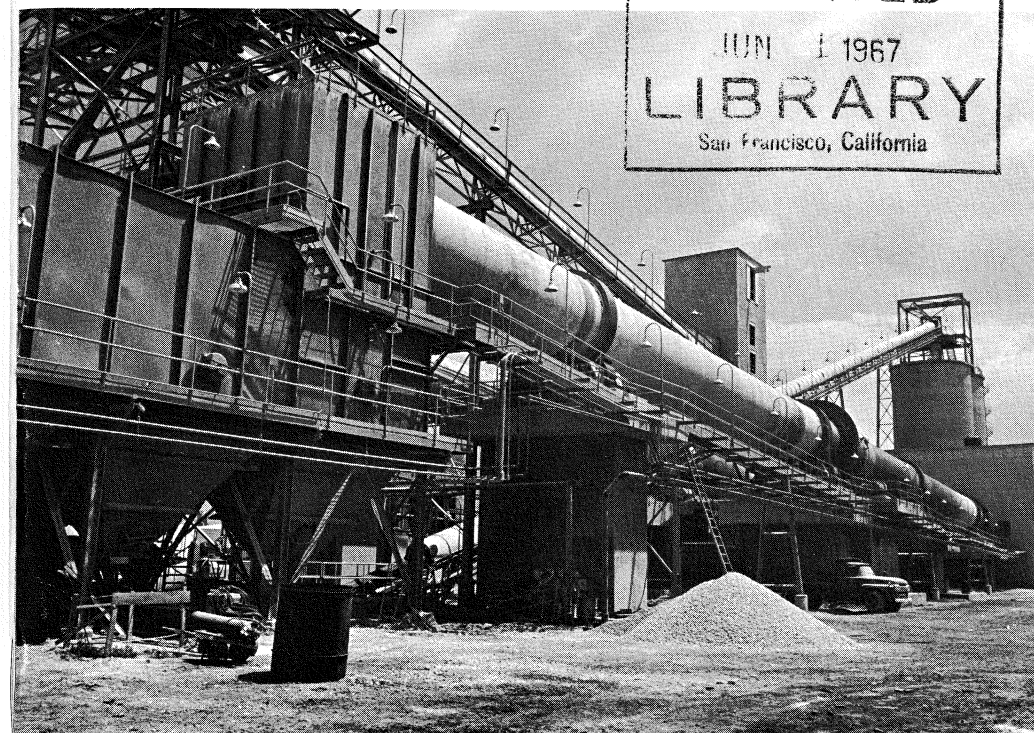
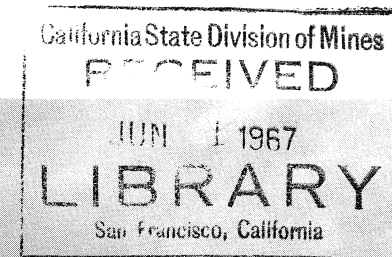


DIRECTORY OF MINERAL PRODUCERS 1965



MICHIGAN DEPARTMENT OF CONSERVATION
Geological Survey

ANNUAL DIRECTORY I



DIRECTORY OF MINERAL PRODUCERS 1965

COMPILED BY
J.R. BYERLAY

ON THE COVER

Marblehead Lime Co., (Div. General Dynamics Corp.), new River Rouge 1,000 ton per day kiln plant. Marblehead Lime and Detroit Lime Co. (Subsidiary Ed. C. Levy Co.), two of Michigan's newest mineral industries, help satisfy the demand for lime in Detroit area steel mills and chemical plants.

LANSING
OCTOBER, 1966

CONTENTS

<u>Metallic Mining Operations</u>	
Iron mines and open pits	1
Copper mines and reclamation plants.	2
<u>Non-Metallic Mining Operations</u>	
Cement	4
Clay and clay products	4
Gypsum	6
Lime	6
Natural salines.	7
Salt	8
Stone.	10
Marl	13
Peat	15
Sulfur	17
Sand and gravel.	17
County Breakdown of Mineral Producers	25

ILLUSTRATIONS

Map: Active Mines in Michigan's Iron and Copper Districts.	iv
Map: Locations of Cement, Clay, Gypsum, and Lime Operations.	5
Map: Locations of Chemical and Salt Plants	9
Map: Locations of Limestone, Dolomite & Misc. Stone Operations	11
Map: Locations of Marl and Peat Operations	14
Map: Sand and Gravel Producers - Over 20,000 tons.	19
Map: Michigan Locator Map...	24
Map: Simplified geologic Map of Michigan	47

PREFACE

This Directory of Mineral Producers is a record of the names, addresses, and plant, pit, mine, quarry, or mill locations of all mineral producers in Michigan during 1965. It is prepared as a supplement to "Mineral Industry of Michigan", published annually as prescribed by the Compiled Laws of Michigan, 1948, s319.202 which requires the State Geological Survey to: "make an annual report to the Governor setting forth in detail the mineral statistics for the year...."

The Directory is intended primarily as a general reference to be used by the mineral industry itself and by students, teachers, state and county offices, and interested persons. The Directory lists producers alphabetically by mineral, with a producer location map at the beginning of each section. Mineral producers are also listed alphabetically by county, including location by section, township and range.

Previous to 1963, this Directory was a part of the Geological Survey's Annual Statistical Summary entitled: Michigan's Mineral Industries. In 1963 the summary was separated into two sections: the Annual Statistical Summary, consisting of a supplemented reprint from the U.S. Bureau of Mines Minerals Yearbook, and the Directory of Michigan Mineral Operators. In its present form, the Directory of Mineral Producers, 1965, (Annual Directory 1) is identical in content to the 1963 and 1964 issues. Only the title and format have been changed.

The compiler is indebted to the Michigan mineral industry for their excellent cooperation in providing additions and corrections to this directory. The U.S. Bureau of Mines has been indispensable in providing up-to-date producer lists based on yearly canvasses.

Corrections, additions, or suggestions for improving this directory are welcome, and actively solicited in order to make it as effective in accomplishing its purpose as possible. Correspondence should be addressed to the Mining and Economic Geology Section, Geological Survey Division, Michigan Department of Conservation, Lansing, Michigan 48926

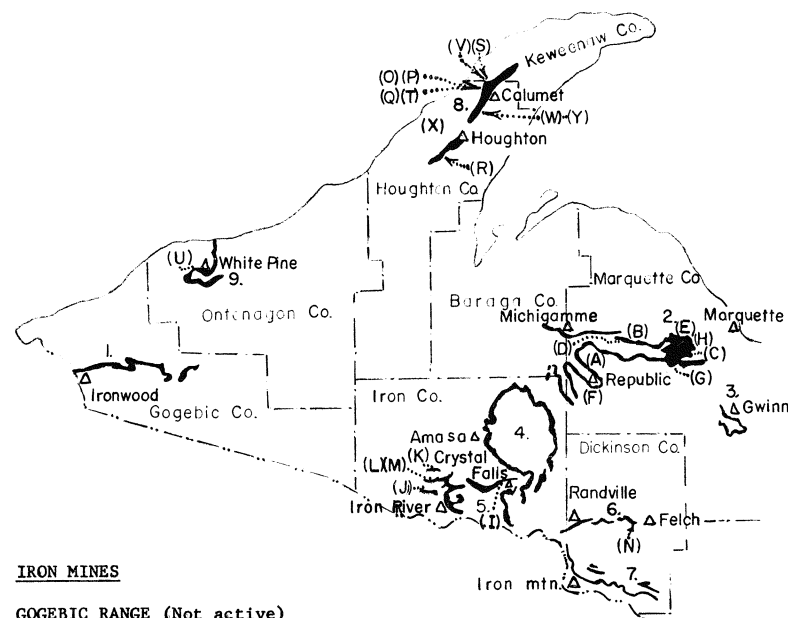
Lansing
October, 1966

John R. Byerlay
Geologist
Mining & Economic Geology

ACTIVE MINES IN MICHIGAN'S IRON AND COPPER DISTRICTS

1966

IRON AND COPPER OUTCROPS
MINE LOCATION
CITY OR VILLAGE



IRON MINES

1. GOGEBIC RANGE (Not active)
2. MARQUETTE RANGE
 - (A) Champion Mine
 - (B) Cliffs Shaft Mine
 - (C) Empire open pit (beneficiated ore)
 - (D) Humboldt open pit (beneficiated ore)
 - (E) Mather mine
 - (F) Republic open pit (beneficiated ore)
 - (G) Tilden open pit (siliceous ore)
 - (H) Tracy Mine
3. GWINN DISTRICT (Not active)
4. AMASA-OVAL DISTRICT (Not active)
5. IRON RIVER-CRYSTAL FALLS DISTRICT
 - (I) Bristol Mine
 - (J) Hiawatha Mine
 - (K) Homer Mine
 - (L) Sherwood Mine
 - (M) Wauseca Mine
6. FELCH DISTRICT
 - (N) Groveland open pit (beneficiated ore)
7. IRON MOUNTAIN RANGE (Not active)

COPPER MINES AND RECLAMATIONS

8. NATIVE COPPER ORE
 - (O) Allouez No. 3 Mine
 - (P) Centennial 2 Mine
 - (Q) Centennial 3 & 6 Mine
 - (R) Champion Mine
 - (S) Kingston Mine
 - (T) Osceola 13 Mine
9. COPPER SULFIDE ORE
 - (U) White Pine Mine
10. COPPER RECLAMATIONS
 - (V) No. 3 & 4 Ahmeek Peninsula-Poor rock dump
 - (W) Quincy
 - (X) Redridge
 - (Y) Tamarack

METALLIC MINING OPERATIONS

IRON MINES AND PITS (Active mines in 1965)

Range-Dist. & Map Symbol	Mine	Company	Mine Location
<u>GOGEBIC</u> (Not Active)			
<u>MARQUETTE</u>			
(A)	Champion	North Range Mining Co. First National Bank Bldg. Negaunee, Michigan 49866	1 Mi. S. of Champion, in the SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 T48N, R29W <u>MARQUETTE COUNTY</u>
(B)	Cliffs Shaft	Cleveland-Cliffs Iron Co. 1460 Union Commerce Bldg. Cleveland, Ohio 44114	Ishpeming, Mich., Sections 3, 9, 10. T47N, R27W. <u>MARQUETTE COUNTY</u>
(C)	Empire (Open pit concentrates)	Cleveland-Cliffs Iron Co. 1460 Union Commerce Bldg. Cleveland, Ohio 44114	1 Mi. NW. of Palmer, in Sec. 17, T47N, R26W. <u>MARQUETTE COUNTY</u>
(D)	Humboldt (open pit concentrates)	Cleveland-Cliffs Iron Co. 1460 Union Commerce Bldg. Cleveland, Ohio 44114	1 Mi. SW. of Humboldt, Sec. 11, T47N, R29W. <u>MARQUETTE COUNTY</u>
(E)	Mather	Cleveland-Cliffs Iron Co. (Operator for the Negaunee Mine Company) 1460 Union Commerce Bldg. Cleveland, Ohio 44114	"B" Shaft, west side of Negaunee, in Sec. 1, T47N, R27W. <u>MARQUETTE COUNTY</u>
(F)	Republic (open pit concentrates)	Cleveland-Cliffs Iron Co. (Operator for the Negaunee Mine Co.) 1460 Union Commerce Bldg. Cleveland, Ohio 44114	1 Mi. South of Republic in Sec. 7, T46N, R29W, <u>MARQUETTE COUNTY</u>
(G)	Tilden (open pit siliceous ore)	Cleveland-Cliffs Iron Co. 1460 Union Commerce Bldg. Cleveland, Ohio 44114	3 Mi. S. of Ishpeming in Sec. 26, T47N, R27W <u>MARQUETTE COUNTY</u>
(H)	Tracy	Jones & Loughlin Steel Corp. Mich. Ore Division-Tracy Mine Negaunee, Michigan 49866	4 Mi. N. of Negaunee, in Sec. 7 & 8, T48N, R 26W. <u>MARQUETTE COUNTY</u>
<u>GWINN</u> (Not Active)			
<u>AMASA-OVAL</u> (Not Active)			
<u>IRON RIVER-CRYSTAL FALLS</u>			
(I)	Bristol	Inland Steel Co. 30 W. Monroe St. Chicago, Illinois 60603	N. Side Crystal Falls in Sec. 19 & 20, T43N, R32W. <u>IRON COUNTY</u>

IRON RIVER-CRYSTAL FALLS (Contd.)

(J)	Hiawatha	Hanna Iron Ore Division National Steel Corp. 100 Erieview Plaza Cleveland, Ohio 44114	1 Mi. S. of Iron River in Sec. 35 & 36, T43N, R35W. <u>IRON COUNTY</u>
(K)	Homer	Hanna Iron Ore Division National Steel Corp. 100 Erieview Plaza Cleveland, Ohio 44114	1 Mi. N. of Iron River in Sec. 22 & 23, T43N, R35W <u>IRON COUNTY</u>
(L)	Sherwood	Inland Steel Co. 30 W. Monroe St. Chicago, Illinois 60603	$\frac{1}{2}$ Mi. N. of Iron River in Sec. 23, T43N, R35W <u>IRON COUNTY</u>
(M)	Wauseca	The Hanna Mining Co. 100 Erieview Plaza Cleveland, Ohio 44114	$\frac{1}{2}$ Mi. N. of Iron River in Sec. 23, T43N, R35W <u>IRON COUNTY</u>

FELCH

(N)	Groveland (open pit concentrates)	The Hanna Mining Co. 100 Erieview Plaza Cleveland, Ohio 44114	3 Mi. E. of Randville in Sec. 31, T42N, R29W. <u>DICKINSON COUNTY</u>
-----	---	---	---

EAST MENOMINEE (Not Active)COPPER MINES AND RECLAMATION PLANTSNATIVE COPPER ORE

(O)	Allouez #3	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	Ahmeek, Mich. in Sec. 32, T57N, R32W <u>KEWEENAW COUNTY</u>
(P)	Centennial #2	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	1.5 Mi. E of Calumet, in NW $\frac{1}{4}$ Sec. 18, T56N, R33W. <u>HOUGHTON COUNTY</u>
(Q)	Centennial #3 & 6	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	1.5 Mi. NE of Calumet, in SE $\frac{1}{4}$ Sec. 12, T56N, R33W. <u>HOUGHTON COUNTY</u>
(R)	Champion	Copper Range Company P. O. Box 232 Painesdale, Michigan 49955	$\frac{1}{2}$ Mi. S. of Painesdale in Sec. 31, T54N, R34W <u>HOUGHTON COUNTY</u>
(S)	Kingston	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	Ahmeek, Mich. in SE $\frac{1}{4}$, Sec. 32, T57N, R32W. <u>KEWEENAW COUNTY</u>
(T)	Osceola 13	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	Osceola, Mich. in Sec. 23, T56N, R33W <u>HOUGHTON COUNTY</u>

COPPER SULFIDE ORE

(U)	White Pine	White Pine Copper Co. P. O. Box 427 White Pine, Michigan 49971	White Pine, Mich. in Sec. 4, 5, 9, T50N, R42W. <u>ONTONAGON COUNTY</u>
(V)	#3 & 4 Ahmeek Peninsula, Poor Rock Dump	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	Mohawk, Mich. in Sec. 28, T57N, R32W <u>KEWEENAW COUNTY</u>
(W)	Quincy	Quincy Mining Co. Hancock, Michigan 49930	2 Mi. SW of Hubbell, in NW $\frac{1}{4}$ Sec. 26, T55N, R33W <u>HOUGHTON COUNTY</u>
(X)	Redridge	Copper Range Co. P. O. Box 232 Painesdale, Michigan 49955	Freda, Mich. in NW $\frac{1}{4}$ Sec. 25, T55N, R36W <u>HOUGHTON COUNTY</u>
(Y)	Tamarack	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	SW of Hubbell, in NW $\frac{1}{4}$ Sec. 13, T55N, R33W <u>HOUGHTON COUNTY</u>

IRON, COPPER

NON-METALLIC MINING OPERATIONS

CEMENT

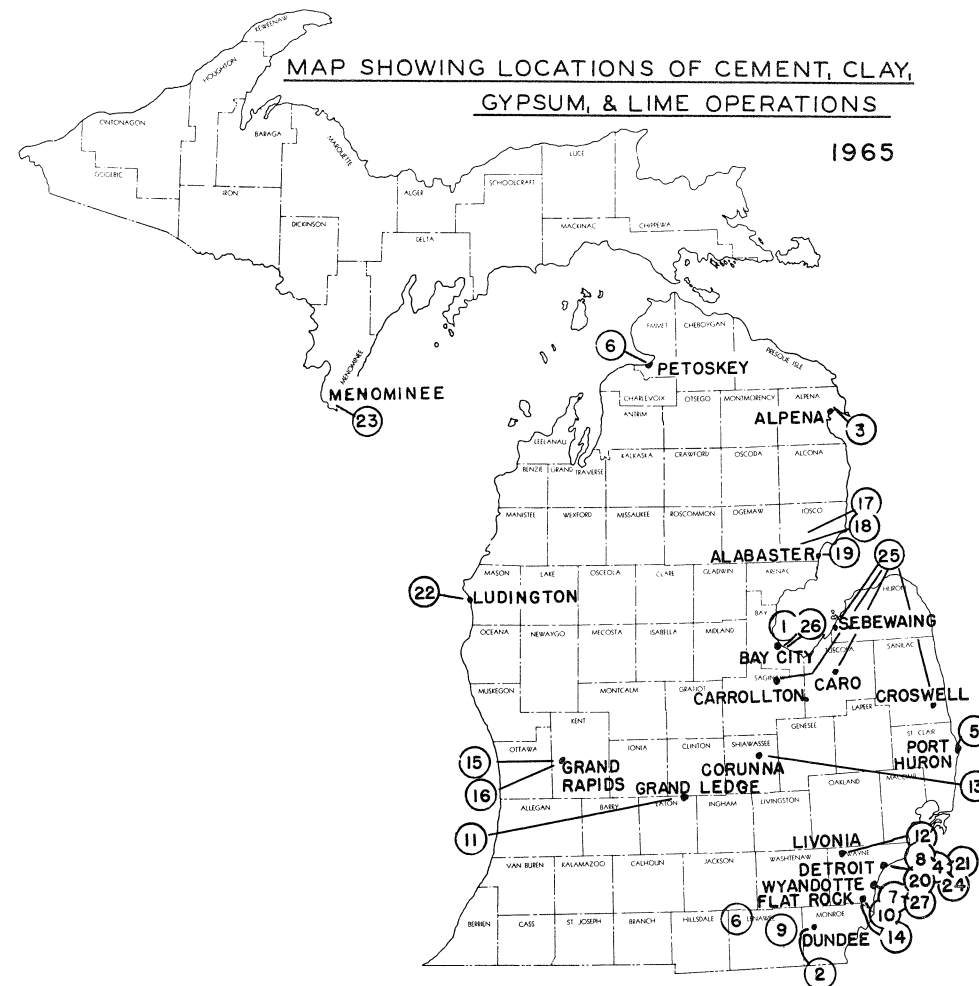
Name of Operation	Map Location Symbol (See Map 1)	Plant Location
Aetna Portland Cement Co. Div. Martin-Marietta Corp. P. O. Box No. 8 Bay City, Michigan 48706	(1)	3 Mi. NE of Bay City at Essexville, NE½ Sec. 14, T14N, R5E; raw material obtained from Rogers City area. <u>BAY COUNTY</u>
Dundee Cement Co. P. O. Box 317 Dundee, Michigan 48131	(2)	2 Mi. N. of Dundee, in Sec. 7, T6S, R7E, plant and quarry <u>MONROE COUNTY</u>
Huron Portland Cement Co. Div. Nat'l. Gypsum Co. 1325 Ford Bldg. 615 Griswold Street Detroit, Michigan 48226	(3)	1.5 Mi. NE of Alpena, in Sec. 13 & 14, T31N, R9E, plant and quarry <u>ALPENA COUNTY</u>
Peerless Cement Co. Div. of American Cement Corp. 1144 Free Press Bldg. Detroit, Michigan 48226	(4)	2 plants located at Detroit: Brennen Ave. plant on main channel of River Rouge, and Jefferson Ave. plant <u>WAYNE COUNTY</u>
Peerless Cement Co. Div. of American Cement Corp. 1144 Free Press Bldg. Detroit, Michigan 48226	(5)	Port Huron plant. Obtains raw material from Rogers City area and supplies Detroit plants. <u>ST. CLAIR COUNTY</u>
Penn-Dixie Cement Corp. P. O. Box 152 Nazareth, Pennsylvania 18064	(6)	3.5 Mi. W. of Petoskey, (plant and quarry) in Sec. 3, T34N, R6W. <u>EMMET COUNTY</u>
Wyandotte Chemical Corp. 1609 Biddle Ave. Wyandotte, Michigan 48192	(7)	Wyandotte, Mich. (plant) Raw material from Rogers City area. <u>WAYNE COUNTY</u>

CLAY* AND CLAY PRODUCTS

Name of Operation & Map Symbol	Material and Product	Property Location
Clippert Brick & Tile Co. (8)	Clay, Brick	Near SE corner Wyoming and Michigan Ave. (US 112) Dearborn <u>WAYNE COUNTY</u>
Comfort Brick & Tile Co. (9) Rogers Highway Tecumseh, Michigan 49286		1 Mi. SE of Tecumseh in Sec. 2 T6S, R4E <u>LENAWEE COUNTY</u>
Flat Rock Clay Prod. Co. (10) 26280 Arsenal Rd. Flatrock, Michigan 48134	Clay, Tile	1 Mi. N. of Flatrock in Sec. 30, T4S, R10E <u>WAYNE COUNTY</u>
Grand Ledge Clay Prod. Co. (11) West Jefferson St. Grand Ledge, Michigan 48837	Shale, Tile	W. Side of Grand Ledge, in SE½ Sec. 3, T4N, R4W <u>EATON COUNTY</u>

MAP SHOWING LOCATIONS OF CEMENT, CLAY, GYPSUM, & LIME OPERATIONS

1965



CEMENT

- Aetna Portland
- Dundee
- Huron Portland
- Peerless-Detroit
- Peerless-Port Huron
- Penn-Dixie
- Wyandotte Chemical

CLAY AND CLAY PRODUCTS

- Clippert Brick & Tile
- Comfort Brick & Tile
- Flat Rock Clay Prod.
- Grand Ledge Clay Prod.
- Lightweight Aggregate Corp.
- Michigan Vitriified Tile
- F. W. Ritter & Sons

GYPSUM

- Bestwall Gypsum
- Grand Rapids Gypsum
- National Gypsum
- Michigan Gypsum
- U. S. Gypsum

LIME

- Allied Chemical
- Detroit Lime Co.
- Dow Chemical-Ludington
- Limestone Prod. Div.
- Marblehead Lime. Co.
- Michigan Sugar Co.
- Monitor Sugar Div.
- Wyandotte Chemical

CLAY AND CLAY PRODUCTS (Contd.)

Name of Operation & Map Symbol		Material and Product	Property Location
Lightweight Aggregate Corp. (12)		Clay, light-weight aggregate	1 Mi. S. of Livonia, in Sec. 27, T1S, R9E <u>WAYNE COUNTY</u>
The Mich. Vitrified Tile Co. (13)		Shale, Tile	½ Mi. E. of Corunna, in Sec. 22, T7N, R3E <u>SHIAWASSEE COUNTY</u>
F. W. Ritter & Sons Co., Inc. (14)		Clay, Pottery	1 Mi. S. of S. Rockwood, in Sec. 21, T5S, R10E <u>MONROE COUNTY</u>

*Producers of clay used in cement manufacture not included.

GYPSUM

Name of Operation & Map Loc.		Mine or Quarry Location	Mill Loc.
Bestwall Gypsum Co., Div. Georgia-Pacific Corp. #2 Industrial Blvd. Paoli, Pennsylvania 19301	(15)	1 Mi. SW of Grand Rapids in SW¼ Sec. 34, T7N, R12W. Mine and Mill <u>KENT COUNTY</u>	At mine
Grand Rapids Gypsum Co. P. O. Box 1674 Grand Rapids, Mich. 49501	(16)	SW side Grand Rapids in Sec. 34, T7N, R12W, Mine & Mill <u>KENT COUNTY</u>	At mine
National Gypsum Co. 325 Delaware Ave. Buffalo, New York 14202	(17)	8 Mi. W. of Tawas City, in Sec. 26 & 35, T22N, R6E, open pit <u>IOSCO COUNTY</u>	2 Mi. S. of Nat'l. City in Sec. 16 T31N, R6E <u>IOSCO COUNTY</u>
Michigan Gypsum Co. 2840 Bay Road Saginaw, Michigan 48601	(18)	4 Mi. SW of National City in Sec. 25, T21N, R5E, open pit & plant <u>IOSCO COUNTY</u>	East of pit, in SW¼ Sec. 30, T21N, R6E <u>IOSCO COUNTY</u>
United States Gypsum Co. 101 S. Wacker Drive Chicago, Illinois 60606	(19)	W. of Alabaster, in Sec. 22 & 27, T21N, R7E, open pit <u>IOSCO COUNTY</u>	Detroit, Mich <u>WAYNE COUNTY</u>

LIME

Name of Operation & Map Location		Plant Location
Allied Chemical Corp. (20)		Detroit, Limekiln only <u>WAYNE COUNTY</u>
Solvay Process Div. P. O. Box 271 Syracuse, New York 13201		
Detroit Lime Co. (21)		River Rouge, Limekiln only <u>WAYNE COUNTY</u>
(subsidiary, Ed. C. Levy Co.) 8800 Dix Ave. Detroit, Michigan 48209		
The Dow Chemical Co. (22)		Ludington, Limekiln only <u>MASON COUNTY</u>
Ludington Division Midland, Michigan 48640		

LIME (Contd.)

Name of Operation & Map Location		Plant Location
Limestone Products Division (23)		320 First Street, Menominee Limekiln only <u>MENOMINEE COUNTY</u>
C. Reiss Coal Co. Menominee, Michigan 49858		
Marblehead Lime Co. (24)		River Rouge, Limekiln only <u>WAYNE COUNTY</u>
(General Dynamics Corp.) 25 Marion St. Detroit, Mich.		
Michigan Sugar Co. (25)		4 plants: (Limekiln only) Sebewaing, <u>HURON COUNTY</u> Carrollton, <u>SAGINAW COUNTY</u> Croswell, <u>SANILAC COUNTY</u> Caro, <u>TUSCOLA COUNTY</u>
Saginaw, Michigan 48601		
Monitor Sugar Division (26)		Bay City, Limekiln only <u>BAY COUNTY</u>
Robert Gage Coal Co. 2600 S. Euclid Ave. Bay City, Michigan 48706		
Wyandotte Chemicals Corp. (27)		Wyandotte, Limekiln only <u>WAYNE COUNTY</u>
1609 Biddle Avenue Wyandotte, Michigan 48192		

NATURAL SALINES

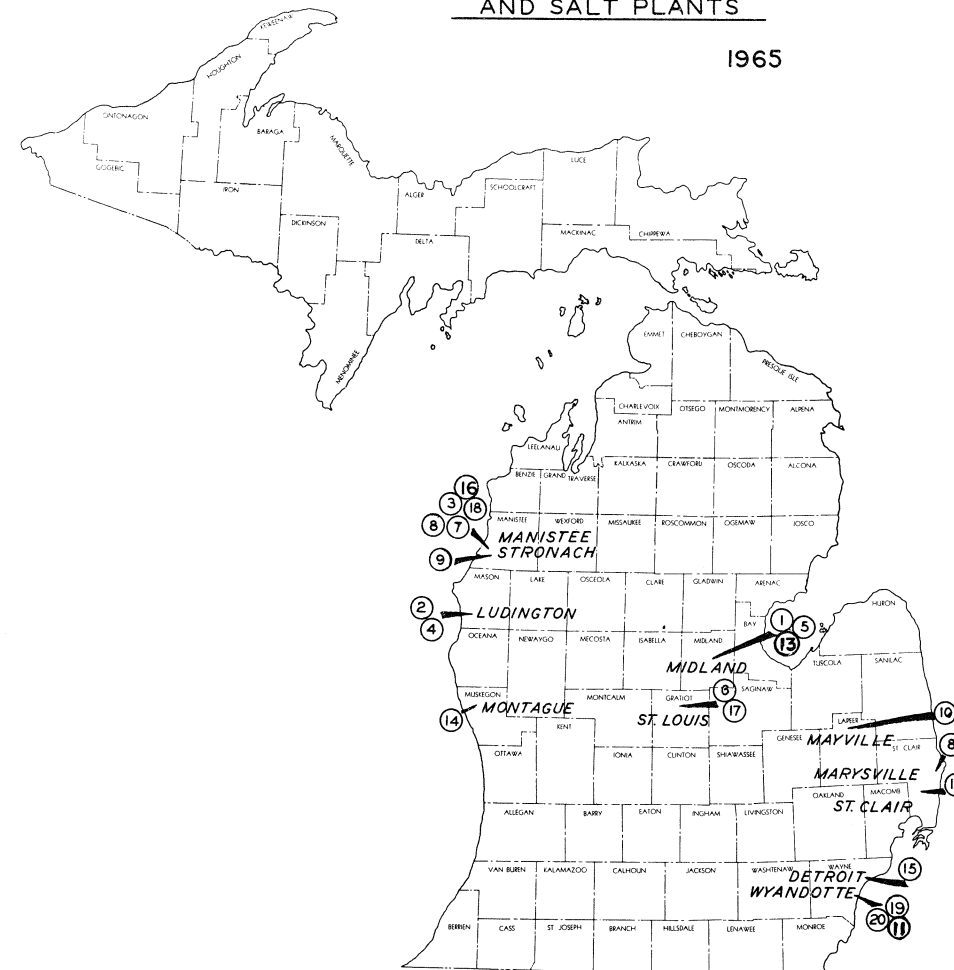
Name of Operation	Products	Plant Location
The Dow Chemical Co. Midland, Michigan 48640	Bromine, bromine compounds, magnesium compounds, calcium chloride, potash, iodine	South side of Midland T14N, R2E <u>MIDLAND COUNTY</u>
The Dow Chemical Co. Midland, Michigan 48640	Bromine, Magnesium compounds, calcium chloride	1 Mi. SE of Ludington in SW 23, 18N, 18W <u>MASON COUNTY</u>
Great Lakes Chemical Corp. Box 742 West Lafayette, Indiana 47901	Bromine	2 Mi. SE of Manistee in SW 18, 21N, 16W <u>MANISTEE COUNTY</u>
Harbison-Walker Refractories Co. 2 Gateway Center Pittsburgh, Pa. 15222	Magnesium compounds	1.5 Mi. SE of Ludington in NE, SE 23, 18N, 18W <u>MASON COUNTY</u>
Kaiser Aluminum & Chemical 900 17th St., N.W. Washington, D.C. 20006	Magnesium compounds	Midland T14N, R2E <u>MIDLAND COUNTY</u>
Michigan Chemical Corp. 500 North Bankson St. Louis, Michigan 48880	Bromine, magnesium compounds, calcium-Magnesium chloride	W. side of St. Louis in Sec. 24 T12N, R3W <u>GRATIOT COUNTY</u>
Michigan Chemical Corp. 500 North Bankson St. Louis, Michigan 48880	Bromine	East Lake, 1 Mi. E. of Manistee in NW 7, 21N, 16W <u>MANISTEE COUNTY</u>

NATURAL SALINES (Contd.)

Name of Operation	Products	Plant Location
Morton Chemical Co. Ringwood, Illinois 60072	Bromine, magnesium compounds calcium chloride	Manistee, Mich. in Sec. 12, T21N, R17W <u>MANISTEE COUNTY</u>
Standard Lime & Refractories 2000 First Nat'l Bank Bldg. Baltimore, Maryland 21203	Magnesium compounds	1 Mi. NW of Stronach, SE½ Sec. 18, T21N, R16W <u>MANISTEE COUNTY</u>
Wilkinson Chemical Co. Mayville, Michigan 48744	Calcium-magnesium chloride	S. of Mayville Sec. 28, T10N, R10E <u>TUSCOLA COUNTY</u>
Wyandotte Chemicals Corp. 1609 Biddle Ave. Wyandotte, Michigan 48192	Calcium chloride	Wyandotte, Mich. <u>WAYNE COUNTY</u>
<u>SALT</u>		
Diamond Crystal Salt Co. 916 S. Riverside St. Clair, Michigan 48079	Evaporated salt	St. Clair, Mich. Sec. 31, T5N, R17E <u>ST. CLAIR COUNTY</u>
The Dow Chemical Co. Midland, Michigan 48640	Salt Brine (chlorine, natural salines)	Midland, Mich. <u>MIDLAND COUNTY</u>
Hooker Chemical Corp. P. O. Box 295 Montague, Michigan 49437	Salt brine (chlorine, caustic soda, hydrogen)	Montague, Mich. NE½ Sec. 31, T12N, R17W <u>MUSKEGON COUNTY</u>
International Salt Co., Inc. Clarks Summit, Pa. 18411	Rock salt	Detroit, Mich. SW½ Sec. 32, T2S, R11E <u>WAYNE COUNTY</u>
Manistee Salt Works Division of Hardy Salt Co. P. O. Drawer 449 St. Louis, Missouri 63166	Evaporated salt	Manistee, Mich. <u>MANISTEE COUNTY</u>
Michigan Salt Co. 500 North Bankson St. Louis, Michigan 48880	Evaporated salt	St. Louis, Mich. <u>GRATIOT COUNTY</u>
Morton Salt Co. 110 N. Wacker Drive Chicago, Illinois 60606	Evaporated salt	Manistee, Mich. E½ Sec. 12, T21N, R17W <u>MANISTEE COUNTY</u>
Morton Salt Co. 110 N. Wacker Drive Chicago, Illinois 60606	Evaporated salt	Marysville, Mich. SE½, Sec. 29, T6N, R17E <u>ST. CLAIR COUNTY</u>

MAP SHOWING LOCATIONS OF CHEMICAL AND SALT PLANTS

1965



NATURAL SALINES

1. Dow Chemical-Midland
2. Dow Chemical-Ludington
3. Great Lakes Chemical Corp.
4. Harbison-Walker Refractories Co.
5. Kaiser Aluminum & Chemical Co.
6. Mich. Chemical Corp.-St. Louis
7. Mich. Chemical Corp.-Manistee
8. Morton Chemical Co.
9. Standard Lime & Refractories
10. Wilkinson Chemical Co.
11. Wyandotte Chemical Co.

SALT

12. Diamond Crystal Salt Co.
13. Dow Chemical Co.
14. Hooker Chemical Corp.
15. International Salt Co., Inc.
16. Manistee Salt Works, Div. of Hardy Salt Co.
17. Michigan Salt Co.
18. Morton Salt Co.
19. Pennsalt Chemicals Corp.
20. Wyandotte Chemical Corp.

1965

LIMESTONE* AND DOLOMITE

1965

LIMESTONE AND DOLOMITE

1. Afton Stone & Lime Co.
2. Arenac Co. Road Comm.
3. Bichler Gravel Co.
4. Bay Co. Road Comm.
5. Charlevoix Lime & Stone Co.
6. Cheney Limestone Co.
7. Drummond Dolomite, Inc.
8. Felch Quarry Co.
9. France Stone Co.
10. Inland Lime & Stone Co.
11. Isoco Co. Road Comm.

STONE

STONE - LIMESTONE AND DOLOMITE (Contd.)

Name of Operation & Map No.	Type of Stone	Quarry Location
Inland Lime & Stone Co. (10) Div. Inland Steel Co. Gulliver, Michigan 49840	Limestone, crushed	North of Port Inland, Sec. 6, T42N, R12W <u>MACKINAC COUNTY</u>
Iosco Co. Rd. Comm. (11) P. O. Box 31 East Tawas, Michigan 48730	Limestone, crushed	Northeast of AuGres Sec. 24, T20N, R7E <u>ARENAC COUNTY</u>
Jeffrey Limestone Co. (12) Box 107 Parma, Michigan 49269	Limestone, crushed	Northeast of Parma Sec. 30, T2S, R2W <u>JACKSON COUNTY</u>
Limestone Mountain Co. (13) Div. Thornton Constr. Co., Inc. 1028 Ethel Avenue Hancock, Michigan 49930	Dolomite, crushed	Near Pelkie Sec. 23, T51N, R35W <u>HOUGHTON COUNTY</u>
Michigan Stone Co. (14) Ottawa Lake, Mich. 49267	Dolomite, crushed	Near Maybee Sec. 29, T5S, R8E <u>MONROE COUNTY</u>
Mich. Foundation Quarry Co., Inc. (15) 110 W. Jefferson Ave. Trenton, Michigan 48183	Limestone, crushed	Trenton, Mich. Sec. 7, T4S, R11E <u>WAYNE COUNTY</u>
Michigan Limestone Operation (16) U.S. Steel Corporation Rogers City, Michigan 49779	Limestone, crushed	Near Rogers City Sec. 23, T35N, R5E <u>PRESQUE ISLE COUNTY</u>
Michigan Limestone Operation (17) U.S. Steel Corporation Rogers City, Michigan 49779	Dolomite, crushed	Near Cedarville Sec. 10, T42N, R1E <u>MACKINAC COUNTY</u>
Michigan Stone Co. (18) Ottawa Lake, Michigan 49267	Dolomite, crushed	East of Ottawa Lake Sec. 25, T8S, R6E <u>MONROE COUNTY</u>
Monroe Co. Rd. Comm. (19) Monroe, Michigan 48161	Dolomite, crushed	East of Dundee Sec. 13, T6S, R7E <u>MONROE COUNTY</u>
Onaway Stone Co. (20) Onaway, Michigan 49765	Limestone, dimensional	North of Onaway Sec. 5, T34N, R2E <u>PRESQUE ISLE COUNTY</u>
Presque Isle Corp. (21) P. O. Box 426 Alpena, Michigan 49707	Limestone, crushed	Sec. 2, T33N, R8E <u>PRESQUE ISLE COUNTY</u>
The Wallace Stone Co. (23) Div. J. P. Burroughs & Son, Inc. Bayport, Michigan 48720	Limestone, crushed and dimensional	Southeast of Bay- port, Sec. 5 & 6, T16N, R10E <u>HURON COUNTY</u>

*Does not include producers of limestone for manufacture of cement; see CEMENT.

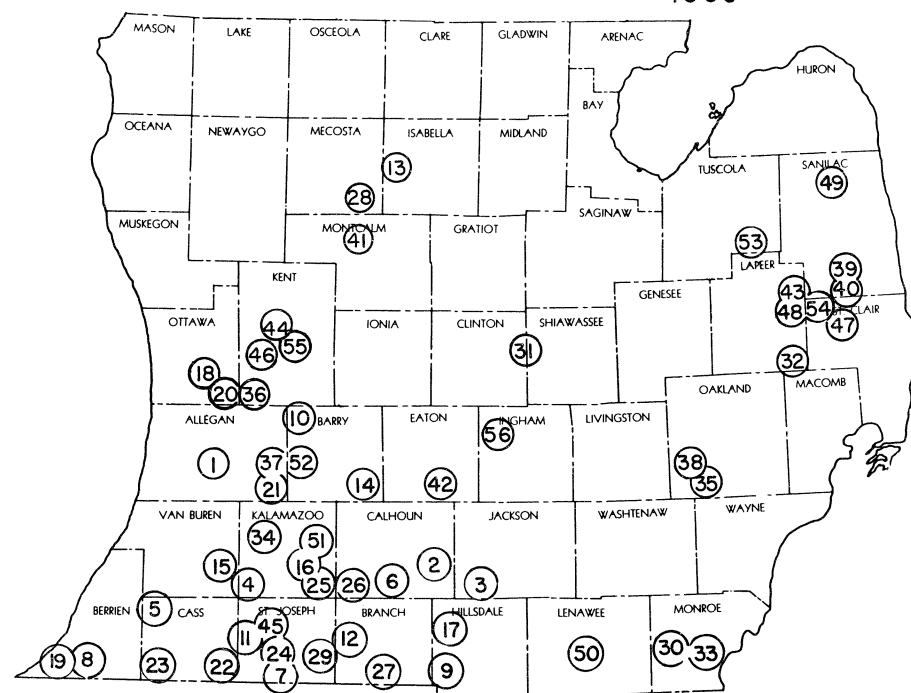
SANDSTONE

Name of Operation & Map No.	Type of Stone	Quarry Location
Michigan Silica Co. (24) Rockwood, Michigan	Sandstone, crushed (Silica sand)	Near Rockwood, Sec. 15, T5S, R10E <u>WAYNE COUNTY</u>
The Original Sandstone Qy. (25)	Sandstone	East of Napoleon, Sec. 6, T4S, R2E <u>JACKSON COUNTY</u>
Ray's Stone Quarry (26) 303 Natawassaeppe St. Napoleon, Michigan 49261	Sandstone	East of Napoleon, Sec. 6,, T4S, R2E <u>JACKSON COUNTY</u>
Star Stone Co. (27) Box 102 Napoleon, Michigan 49261	Sandstone	East of Napoleon, Sec. 31, T3S, R2E <u>JACKSON COUNTY</u>
Superior Natural Redstone Quarry Star Route, Box 185 (28) Pelkie, Michigan 49958	Sandstone	10 Mi. North of Baraga, Sec. 2, T52N, R33W <u>BARAGA COUNTY</u>
Michigan Gypsum Co. (29) 2840 Bay Road Saginaw, Michigan 48601	Sandstone, crushed (silica sand)	West of Flat Rock, Sec. 36, T4S, R9E <u>WAYNE COUNTY</u>

MARL

Name and Address of Producer	Map No.	Pit and County
Gerald Arnsman, R#1, Hopkins 49328	(1)	Belden, Hervig, & Ryan pits, ALLEGAN CO.
Carl Avery, R#2, Box 628, Battle Creek 49017	(2)	Arah Pullman pit, CALHOUN CO.
Barnes Brothers, Horton 49246	(3)	Steve Demack pit, JACKSON CO.
Lee Bertrand, R#2, Lawton 49065	(4)	Paw Paw Lake pit, KALAMAZOO CO.
LaVerne Brizendine, 308 Pennsylvania Ave. Dowagiac 49047	(5)	Dibble, Jewell, Springsteen & Riggs pits, CASS CO.
Case Brothers, R#1, Sherwood 49089	(6)	Turtle Lake pit, CALHOUN CO.
Coville Marl, R#1, Scotts 49088	(7)	Sag-A-Maw L. pit, KALAMAZOO CO.
Crosby Marl Co., B.W. Crosby, Three Oaks, 49128	(8)	23, 8S, 20W, BERRIEN CO.
Roland Cross, Allen 49227	(9)	Woodward, Lambright & Marchal pits, HILLSDALE CO.
William Currier, R#1, Caledonia 49316	(10)	Duncan L., 6, 4N, 10W, BARRY CO.
Coy Drake, R#1, Three Rivers 49093	(11)	Drake pit, 12, 5S, 12W, ST. JOE.
Frisbie Bros., R.F.D. Colon 49040	(12)	26, 5S, 8W, BRANCH CO.
Gatehouse Bros., Weidman 48893	(13)	35, 15N, 6W, ISABELLA CO.
E. R. Hamilton, R#3, Nashville 49073	(14)	25, 2N, 7W, BARRY CO.
Clarence Harter, R#3, Paw Paw 49079	(15)	Lime L. pit, VAN BUREN CO.
Hayward Dry Marl, R#2, Vicksburg 49097	(16)	8, 4S, 10W, KALAMAZOO CO.
John Hess, R#1, Hanover 94241	(17)	Palmer pit, 14, 5S, 3W, HILLS- DALE CO.
Henry Koster, 1074 Chicago Dr., Jenison 49428	(18)	23, 6N, 13W, OTTAWA CO.
Martin's Marl, R#2, Box 46, Three Oaks 49128	(19)	21, 8S, 20W, BERRIEN CO.
Ralph Meyers, R#2, West Olive 49460	(20)	VerStrate pit, 6N, 13W, OTTAWA CO.
Emil Pavlak, R#2, Hopkins 49328	(21)	Pavlak pit, 12, 2N, 12W, ALLEGAN CO.
Piphers Marl Service, Jones 49061	(22)	Long L. pit, 9, 8S, 13W CASS CO.

1965



PEAT

30. George Alber
31. Al-Par Peat
32. Anderson Peat Co.
33. Appleman Peat Co.
34. Craven's Peat Farm
35. Dan's Peat Farm
36. Diekman's Peat Moss
37. Charles E. Douglas
38. Fletcher and Rickard
39. Great Lakes Peat Moss Co.
40. Green Thumb Peat Co., Inc.
41. Gummer's Peat
42. Hilu Peat Company
43. J. M. Huber Corp.
44. Katerberg Landscape Service
45. Kerr's Peat Moss
46. Lisk Nursery
47. Michigan Peat, Inc.
48. Michigan Peat, Inc.
49. Michigan Peat, Inc.
50. Midwest Peat Co.
51. Albert H. Roodbergen
52. J. C. Roodvoets & Sons
53. Rushland Peat Co.
54. Solliere Peat & Sod Co.
55. Twin Lakes Nursery
56. Winn's Peat Corp.

Map No. Pit and County

Poehlman & Son, R#2, Cassopolis 49031	(23)	12 & 13, 7S, 16W, CASS CO.
Roberts Bros. Marl, R#1, Three Rivers 49093	(24)	Kerr pit, 6S, 12W, ST. JOSEPH
Fred Rumz, R#2, Vicksburg 49097	(25)	30, 4S, 10W, KALAMAZOO CO.
Spoor Bros., R#1, Burlington 49029	(26)	23, 4S, 7W, CALHOUN CO.
Taylor & Son, Fremont, Indiana 46737	(27)	Hilton & Hammon pits, BRANCH
Orville Truman, Morley 49336	(28)	Black L. & Burden L. pits, MECOSTA CO.
Clifford Williams, Nottawa 49075	(29)	Kirby pit, ST. JOSEPH CO.

Kind

Name & Address of Producer	Map No.	Kind of Peat	Nearest Town	County
George Alber Summerfield Rd., Petersburg	(30)	Humus (Bulk)	Petersburg	MONROE
Al-Par Peat Ovid, Michigan	(31)	reed-sedge bulk & packaged	Ovid	SHIAWASSEE
Anderson Peat Co. 2562 Graham Rd., Imlay City	(32)	reed-sedge bulk & packaged	Imlay City	LAPEER CO.
Appleman Peat Co. 13450 Ida Center Rd., Ida	(33)	reed-sedge, bulk	Ida	MONROE
Craven's Peat Farm 5864 S. 30th Street Kalamazoo, Mich.	(34)	reed-sedge, bulk	Kalamazoo	KALAMAZOO
Dan's Peat Farm 40500 12 Mi. Rd. Novi, Mich.	(35)	Moss, bulk	Novi	OAKLAND
Diekman's Peat Moss 1654 28th St. S.W. Grand Rapids, Mich.	(36)	Moss, bulk	Byron Center	KENT
Charles E. Douglas Wayland, Michigan	(37)	Moss, Bulk	Wayland	ALLEGAN
Fletcher and Rickard 54001 Grand River Road New Hudson, Mich.	(38)	Humus, bulk	New Hudson	OAKLAND
Great Lakes Peat Moss Co. 51 W. Miller St. Sandusky, Michigan	(39)	Moss, bulk	Sandusky	SANILAC
Green Thumb Peat Co., Inc. 247 S. Stringer Rd. Sandusky, Michigan	(40)	Moss, reed- sedge, bulk & packaged	Sandusky	SANILAC
Gummer's Peat Co. R#2 Lakeview, Mich.	(41)	reed-sedge, bulk & packaged	Lakeview	MONTCALM
Hilu Peat Company 3040 Clinton Trail Charlotte, Mich.	(42)	reed-sedge, bulk	Charlotte	EATON

PEAT (Contd.)

Name & Address of Producer	Map No.	Kind of Peat	Nearest Town	County
J. M. Huber Corp. Peat Dept. Menlo Park, New Jersey	(43)	reed-sedge, bulk & packaged	Imlay City	LAPEER
Katerberg Landscape Service 3610 Michigan Rd., N.E. Grand Rapids, Michigan	(44)	Humus, bulk	Grand Rapids	KENT
Kerr's Peat Moss, R#1, Three Rivers, Michigan	(45)	Moss, bulk & packaged	Three Rivers	ST. JOSEPH
Lisk Nursery 943 Rosalie, N.W. Grand Rapids, Mich.	(46)	Moss, bulk	Grand Rapids	KENT
Michigan Peat, Inc. 202 E. 47 Street New York, N.Y. 10017	(47)	reed-sedge, bulk & packaged	Capac	ST. CLAIR
Michigan Peat, Inc. 202 E. 47 Street New York, N.Y. 10017	(48)	reed-sedge, bulk & packaged	Imlay City	LAPEER
Michigan Peat, Inc. 202 E. 47th Street New York, N.Y. 10017	(49)	reed-sedge, packaged	Minden City	SANILAC
Midwest Peat Co. R31, Whig Road Adrian, Michigan	(50)	reed-sedge, packaged	Adrian	LENAWEE
Albert H. Roodbergen 6262 East "QR" Ave. Scotts, Michigan	(51)	humus, bulk	Scotts	KALAMAZOO
J. C. Roodvoets & Sons 4659 Kalamazoo Ave. Grand Rapids, Michigan	(52)	Moss, bulk	Middleville	BARRY
Rushland Peat Co. Portsmouth Road Saginaw, Michigan	(53)	Moss, bulk and packaged	Kingston	TUSCOLA
Soulliere Peat & Sod Co. 23650 23 Mile Road Mt. Clemens, Michigan	(54)	reed-sedge, bulk & packaged	Imlay City	LAPEER
Twin Lakes Nursery 3544 Michigan Road, N.E. Grand Rapids 6, Michigan	(55)	reed-sedge, bulk & packaged	Grand Rapids	KENT
Winn's Peat Corp. 6476 Bishop Road Lansing, Michigan	(56)	Humus, bulk	Lansing	INGHAM

SULFUR

Name & Address of Producer	Map No.	Nearest Town	County
Leonard Refineries, Inc. Alma, Michigan 48801	(57)	Alma	GRATIOT
Marathon Oil Company 1300 S. Fort Street Detroit, Michigan 48200	(58)	Detroit	WAYNE

1965 SAND AND GRAVEL PRODUCERS

Name and Address (Michigan)	County
A.B.C. Sand Co., 3544 Cowan Rd., Nankin 48184	WAYNE
Adrian Sand & Gravel Co., (Geo. Oldfield, Inc.) Adrian 49221 (2 pits)	LENAWEE
Advance Bldg. Materials Co., 4500 31 Mile Rd., Romeo 48065	MACOMB
Aggregate Processors, Inc., Box 566, White Pigeon 49099	ST. JOSEPH
William Albrecht, Jr., Sandusky 48471	SANILAC
Alcona County Road Commission, Lincoln 48742	ALCONA
Alger County Road Commission, Box 231, Munising 49862	ALGER
Allegan County Road Commission, R#1, Box 2, Allegan 49010	ALLEGAN
Alpena County Road Commission, Box 28, Alpena 49707	ALPENA
American Aggregates Corp., Greenville, Ohio 45331	KALAMAZOO, & LIVINGSTON (HMS), MACOMB (HMS), OAKLAND (HMS)
American Stone Products, 6335 Sashobow Rd., Clarkston 48016	OAKLAND
Anderson Sand & Gravel Co., 1705 Boxwood St., Saginaw 48601	TUSCOLA
Antrim County Road Commission, Mancelona 49659	ANTRIM
Arenac County Road Commission, Omer 48749	ARENAC
Armada Sand & Gravel Co., 19391 Ridge Rd., Armada 48005	MACOMB
Arrowhead Silica Corp. (Manley Bros. Div.) 128 S. 15th St. Chesterton, Indiana 46304 (S)	BERRIEN
B & K Sand and Gravel, Wallace 49893	MENOMINEE
Baraga County Road Commission, P. O. Box 227, L'Anse 49946	BARAGA
Norman Bartlett, R#3, East Jordan 49727	CHARLEVOIX
Battle Creek Gravel Co., 3800 Dickman Rd., Battle Creek 49014	CALHOUN
Bay County Road Comm.	
Richard Beagle Sand & Gravel, 1623 S. Commerce Rd., Walled Lake 48088 (3 pits)	OAKLAND
Beckett Excavating, 19 E. Federal Hwy., Roscommon 48653	ROSCOMMON
Beckman Bros. (Shelby Tractor Sales), 210 Michigan Ave., Shelby 49455	OCEANA
Bender Gravel Co., 822 S. Benton St., Hastings 49058	BARRY
Benzie County Road Comm., Honor 49640	BENZIE
Bernthal Sand & Gravel Co., R#2, Reese 48757	TUSCOLA
Bichler Gravel Co., Box 205, Wells, Michigan 49894	DELTA
Boichot Concrete Prod. Corp., 1800 Turner St., Lansing 48900 (HMS)	CLINTON
Ralph Bollon, 375 Plum Creek Rd., Lapeer 48446	LAPEER
Brady Sand & Gravel, Tecumseh 49286	LENAWEE
Branch County Road Comm., Box 75, Coldwater 49036	BRANCH
Briggs Ready-Mix & Gravel, 311 State Street, Charlotte 48813 (HMS)	EATON
Brilinski Sand & Gravel, 920 S. 2nd St., Alpena 49707	ALPENA
Bundy Hill Gravel Co., (L. A. Davidson Co.) Jerome, 49249 (HMS)	HILLSDALE
J. V. Burkett, St. Joseph 49085	BERRIEN
Calhoun County Road Comm., County Bldg., Marshall	CALHOUN
Caspian Constr. Co., Caspian 49115	DICKINSON, GOGEBIC IRON, ONTONAGON
Cass County Road Comm., R#1, Box 175, Cassopolis	CASS

SAND AND GRAVEL (Contd.)

Name and Address (Michigan)

County

Central Concrete Prod. Co., Inc. R#2, 1515 Mill Pond Rd.,
Big Rapids 49307
Champion, Inc., 105 E. "A" St., Iron Mountain 49801

Cheney Gravel Co., 691 N. College Rd., Mason 48854
Clare Co. Road Comm., Harrison 48625
Click Bros. Gravel, 8783 Bryce Rd., Goodells 48027
Clinton County Road Comm., St. Johns 48879
Cloverland Milling & Supply Co., 801 Superior Ave., Gladstone
49837

Coit Ave. Gravel Co., Inc., 4772 Coit Ave., N.E., Grand Rapids,
49505

Cole Brothers, R#3, Box 368, Battle Creek 49014

Cole Gravel Co., R#1, Wayland 49348
Emil Combs Gravel & Ready-Mix, R#1, Tekonsha 49092
Comstock Constr. Co., 407 Main St., Essexville 48732
Construction Aggregates Corp., 120 S. LaSalle St., Chicago,
Illinois 60603 (HMS)

Consumers Sand & Gravel Co., Nazareth Rd., P. O. Box 231,
Kalamazoo 49001

Contractors Gravel Co., 455 Berth St., Comstock Park 49321
Cousineau Gravel, Inc., 1104 S. State St., Big Rapids 49307

Crawford County Road Comm., 320 State St., Grayling 49738
Cross & White, 3849 Three Mile Rd., Grand Rapids 49500
D. & J. Gravel Co., R#2, Howell 48843
Dachille Trucking Co., 12844 Greenfield Rd., Detroit 48227
Delta County Road Comm., P. O. Box 298, Escanaba 49829
Delton Excavating Co., Cloverdale 49035
E. DeVries & Sons, 959 Bristol Ave., N.W., Grand Rapids 49504
Henry DeWent, U.S. #21, Hudsonville 49426
Dickinson County Road Comm., P. O. Box 509, Iron Mountain
49801

Bernard Dowling Trucking, R#1, Long Rapids Rd., Alpena 49707
Dyer Company, McBrides 48852

Eastman Gravel Pit, R#1, Standish 48658
Eaton County Road Comm., P. O. Box 110, Charlotte
H. Eckley, Pioneer, Ohio 43554

Ehinger Bros. Excavating Co., West Branch 48661
Emmet County Road Comm., Petoskey 49770
Fenton Gravel Co., Inc., 11301 Fenton Hill Rd., Fenton 48430
Ferguson Excavating Co., 5360 N. State Rd., Davison 48423
Fiser Supply Co., 1617 E. Jolly Rd., Lansing 48900
Fisher Sand & Gravel Co., 921 S. Jefferson Ave., Midland 48640
Fred Fitzgerald Gravel Co., 3713 E. Six Mile Creek, Owosso
48867

Fox Valley Constr. Co., Box 827, Appleton, Wisconsin 54910

Fuoss Gravel Co., R#1, Durand 48429
Genesee Gravel Co., Swartz Creek 48473
Jerry George Sand & Gravel, Inc., Harrisville 48740
Gillette Sand & Gravel, 9741 E. M-78, Haslett 48840
Gilliland Constr. Co., R#2, Alpena 49707

Gogebic County Road Comm., Courthouse, Bessemer 49911
Gogebic Oil Co., (Lake Superior Gravel), Bessemer 49911
O. E. Gooding & Co., (Whittaker & Gooding Co.), 5800 Cherry
Hill Rd., Ypsilanti 48197

Grand Rapids Gravel Co., 2100 Chicago Dr., S.W., Grand Rapids,
49509

MECOSTA
CHIPPEWA, DICKINSON,
MARQUETTE
INGHAM
CLARE
ST. CLAIR
CLINTON

DELTA

KENT
BARRY, CALHOUN,
ST. JOSEPH
BARRY
CALHOUN
TUSCOLA

OTTAWA

KALAMAZOO

KENT
MECOSTA, MONTCALM,
KENT, NEWAYGO,
OCEANA, OSCEOLA
CRAWFORD
KENT
LIVINGSTON
OAKLAND
DELTA
BARRY
KENT
OTTAWA

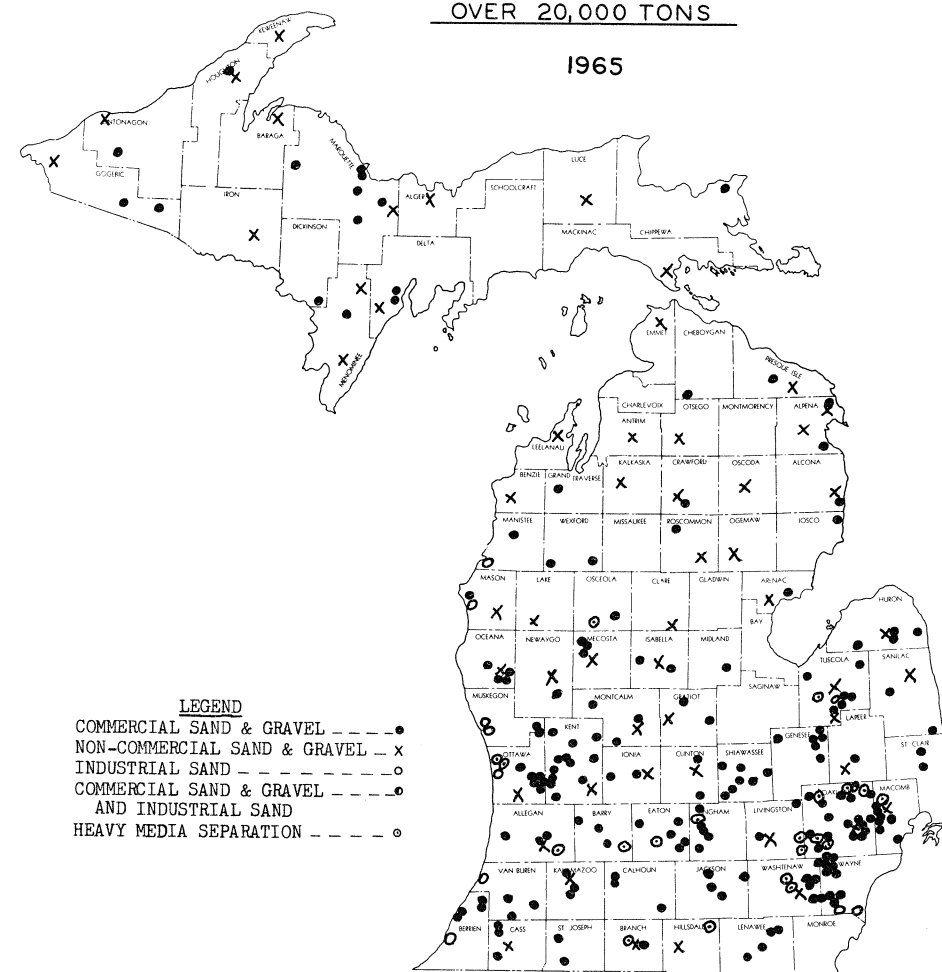
DICKINSON

ALPENA
MONTCALM, KENT
ARENAC
EATON
HILLSDALE
OGEMAW
EMMET
LIVINGSTON
GENESEE
INGHAM
MIDLAND

SHIAWASSEE
MARQUETTE, DELTA,
DICKINSON, GOGEBIC,
ONTONAGON
SHIAWASSEE
GENESEE
ALCONA
SHIAWASSEE
ROSCOMMON, CHEBOYGAN,
MONTMORENCY, PRESQUE
ISLE, ALPENA, OGEMAW
GOGEBIC
GOGEBIC
WASHTENAW
KENT

MAJOR SAND AND GRAVEL PRODUCERS
OVER 20,000 TONS

1965

NUMBER AND PRODUCTION OF COMMERCIAL SAND AND GRAVEL PLANTS
IN MICHIGAN BY SIZE OF OPERATION (U. S. Bureau of Mines)

ANNUAL PRODUCTION (TONS)	PLANTS		THOUSAND	
	NUMBER	PERCENT	SHORT TONS	PERCENT
0 to 25,000	131	37.9	2,776	6.4
25,000 to 50,000	63	18.3	3,229	7.4
50,000 to 100,000	47	13.6	4,326	10.0
100,000 to 200,000	52	15.1	8,023	18.5
200,000 to 300,000	17	4.9	4,630	10.7
300,000 to 400,000	16	4.6	4,263	9.8
400,000 to 500,000	3	.9	1,439	3.3
500,000 to 600,000	7	2.0	3,425	7.9
600,000 to 700,000	2	.6	1,320	3.0
700,000 to 800,000	2	.6	1,475	3.4
800,000 to 900,000	1	.3	833	1.9
900,000 to 1,000,000		.0		.0
1,000,000 and over	4	1.2	7,684	17.7
TOTAL	345	100.0	43,423	100.0

SAND AND GRAVEL (Contd.)

Name and Address (Michigan)	County
Grand River Gravel Co., 441 Cleveland Ave., Owosso 48867	SHIAWASSEE
Grand Valley Gravel Co., 10450 Linden Dr., R#5, Grand Rapids 49504	OTTAWA
Gratiot County Road Comm., Ithaca 48847	GRATIOT
Gravel Producers, Inc., 126 E. Kilgore Rd., Kalamazoo 49001	KALAMAZOO
Great Lakes Foundry Sand Co., 1217 Francis Palms Bldg., Detroit 48201 (S)	TUSCOLA
Great Lakes Gravel Co., Inc., 2900 Auburn Rd., Utica 48087	MACOMB
Gronlund Gravel Co., Bear Lake 49614	MANISTEE
The Hanna Mining Co., 100 Erieview Plaza, Cleveland, Ohio 44114	IRON
Harmon Sand & Gravel Co., 3365 Harmon Rd., St. Johns 48879	CLINTON
S. G. Hayes Land Development Co., 17700 Northland Park Court, Southfield 48076	WAYNE
Hayes Washed Sand & Gravel Co., Inc., Box 157, Northville 48167	WAYNE
Hersey Sand & Gravel Div., J. P. Burroughs & Son, Hersey 49639 (HMS)	OSCEOLA
Hillsdale County Road Comm., Hillsdale 49242	HILLSDALE
George Hocking Constr. Co., South Range 49963	HOUGHTON
Ken Hodgins & Sons, Marquette 49855	MARQUETTE
Holloway Sand & Gravel Co., Inc. (Holloway Constr. Co.) 29250 Wixom Rd., Box 247, Wixom	VARIOUS
Holly Sand & Gravel Plant, J. P. Burroughs & Son, Inc. 16240 Tindall Rd., Davisburg 48019 (HMS)	OAKLAND
Gunnar F. Holmberg, R#1, Gladstone 49837	DELTA
Hoover Bros., 1139 Tripp Rd., Waldron 49288	HILLSDALE
Houghton County Road Comm., Royce Rd., Hancock 49930	HOUGHTON
Hubscher & Son, P. O. Box 411, Mt. Pleasant 48858	ISABELLA
Huitt & Son, 322 Water St., Allegan 49010	ALLEGAN
Huizenga Gravel Co., 10015 Gordon, Zeeland 49464	OTTAWA
Huron County Road Comm., P. O. Box 270, Bad Axe 48413	HURON
Hutchins Sand & Gravel Co., 320 S. Maple, Gaylord 49735	OTSEGO
Ionia County Road Comm., P. O. Box 76, Ionia 48846	IONIA, BARRY
Ireland & Lester Co., Inc., 220 N. Wayne St., St. Joseph 49085	BERRIEN
Iron County Road Comm., Crystal Falls, 49920	IRON
City of Ironwood, Ironwood 49801	GOGEBIC
Isabella County Road Comm., R#2, Mt. Pleasant 48858	ISABELLA
City of Ishpeming, Ishpeming 49849	MARQUETTE
Jackson County Road Comm., 1314 N. West Ave., Jackson 49202	JACKSON
Jackson Sand & Gravel R#2, Reading 49274	HILLSDALE
John R. Sand & Gravel Co., 2272 Seymour L. Rd., Oxford 48051	OAKLAND
Tom Johnston Gravel Co., P. O. Box 6, Ferrysburg 49409 (HMS)	OTTAWA
Kalamazoo County Road Comm., P. O. Box 2127, 3801 E. Kilgore Rd. Kalamazoo 49003	KALAMAZOO
Kalkaska County Road Comm., Kalkaska 49646	KALKASKA
Kent County Road Comm., 1500 Scribner, N.W., Grand Rapids 49504	KENT
Keweenaw County Road Comm., Mohawk 49950	KEWEENAW
K-V Gravel Co., 403 Cherokee Dr., Fremont, 49412	NEWAYGO
Kemler Bros., 100 South St., Rochester 48063	OAKLAND
S. E. Ketchum & Sons, R#3, Mason 48854	INGHAM
Kiell Excavating Co., 2046 M-140, Niles 49120	BERRIEN
Killins Gravel Co., 3305 W. Liberty, P. O. Box 1046, Ann Arbor 48106 (HMS)	WASHTENAW
Klett Constr. Co., Hartford 49057	VAN BUREN
Klump Bros. Gravel Co., 4950 Loveland Rd., Grass Lake 49240	JACKSON
Koenig Coal & Supply Co., 1486 Gratiot Ave., Detroit 48207 (HMS)	OAKLAND
Kruse Gravel Pit, 1090 W. Clark Rd., Ypsilanti 48197	WASHTENAW
Kurtz Gravel Co., G-5300 N. Dort Hwy., Flint 48505	GENESEE
Lake Arrowhead Investment, Inc., 37965 N. Bonkay, Mt. Clemens, 48043	MACOMB
Lake County Road Comm., Baldwin 49304	
Lake Superior & Ishpeming R.R., 105 Washington, Marquette 49855	MARQUETTE

SAND AND GRAVEL (Contd.)

Name and Address (Michigan)	County
La Mar Gravel Co., Inc. R#1, Grawn 49637	GRAND TRAVERSE
Lapeer County Road Comm., 44 Park St., Lapeer 48446	LAPEER
Leelanau County Road Comm., Suttons Bay 49682	LEELANAU
A. S. Leffler & Son, Davison 48423	GENESEE
Lenawee County Road Comm., 1160 N. Main St., Adrian 49221	LENAWEE
A. Lindberg & Sons, Inc., Box 154, Ishpeming 49849	MARQUETTE
Livingston County Road Comm., 918 North St., Howell 48843	LIVINGSTON
Luce County Road Comm., P. O. Box 401, Newberry 49868	LUCE
Lyon Sand & Gravel Co., (Div. Ed. C. Levy Co.) 9300 Dix, Dearborn 48120 (HMS)	OAKLAND
Mackinac County Road Comm., St. Ignace 49781	MACKINAC
Macomb County Road Comm., 115 Groesbeck Hwy., Mt. Clemens 48043	MACOMB
James R. McGuirk & Sons, 616 S. Adams St., Mt. Pleasant 48858	ISABELLA
Percy McKinnon, State St., Alpena 49707	ALPENA
Macomb Sand & Gravel Co., 3295 Auburn Rd., Utica 48087	MACOMB
Mike Mangene, Inc., Cedarville 49719	MACKINAC
Manistee County Road Comm., 425 Parkdale Ave., Manistee 49660	MANISTEE
Manley Sand Div., Martin Marietta Corp., Rockton, Illinois 61072	BERRIEN
Manning & Lochlin Gravel Co., Box 216, Northville 48167	WAYNE
City of Marquette, Marquette, Mich.	MARQUETTE
Marquette County Road Comm., Box 10, Ishpeming 49849	MARQUETTE
Marsak Sand & Gravel, 23633 Deanhurst, St. Clair Shores 48080	MACOMB
Harold L. Martin, Box 54, Westphalia 48894	IONIA
Marvic & Sons, 1514 N. 16th, Escanaba 49829	DELTA
Mason County Road Comm., P. O. Box 247, Scottville, 49454	MASON
Hugh H. Mason & Sons, R.F.D.#1, Gaylord 49735	CHEBOYGAN
Mathews Gravel Co., 7450 E. Stanley Rd., Otisville 48463	GENESEE
Mecosta County Road Comm., 1105 E. Maple St., Big Rapids 49307	MECOSTA
Menominee County Road Comm., 3222 10th St., Menominee 49858	MENOMINEE
Michigan Gypsum Co., 2840 Bay Rd., Saginaw 48601 (S)	WAYNE
Michigan Silica Co., (Div. Ottawa Silica Co.) 33620 Streicher Road, Rockwood 48173(S)	WAYNE
Mickelson Corp., 1745 Seymour L. Rd., Oxford, 48051 (HMS)	OAKLAND
Mid-Michigan Materials, Inc., 406 Park Ave., Yale 48097	SANILAC
Miller Prod. & Supply Co., North U.S. 2, Iron Mountain 49801	DICKINSON
Paul C. Miller, 10300 Sparta Ave., Sparta 49345	MUSKEGON
Jack Millikin, Grayling, Mich. 49738	KALKASKA
Molesworth Contracting Co., 321 Park Ave., Yale 48097	GENESEE, SANILAC, JACKSON, ST. CLAIR
Anthony J. Montano, U.S.-2, Sault Ste. Marie, 49783	CHIPPEWA
Montcalm County Road Comm., Stanton 48888	MONTCALM
Moore Bros. Sand & Gravel, 7635 Wayne Rd., Wayne 48184	WAYNE
Morgan Sand & Gravel Co., 45095 Ryan Rd., Utica 48087	MACOMB
Al Morgan Sand Co., 26291 Pennsylvania Rd., Romulus 48174	WAYNE
Edward Murawski, Filion 48432	HURON
Muskegon Gravel Div., 4-Star Excavating Co., 1608 Creston St. Muskegon 49442	OTTAWA
Nankin Sand Co., 7815 Newburg Rd, Plymouth 48170	WAYNE
Nashville Gravel Co., R#2, Nashville 49073 (HMS)	BARRY
Natural Aggregates, 65545 Mound Rd., Romeo 48065	MACOMB
Neuman Sand & Gravel, G-5281 Deland, Flushing 48433	GENESEE
New Hudson Sand & Gravel, Inc., P. O. Box 174, New Hudson 48165	OAKLAND
Newaygo County Road Comm., 93 Gibbs St., White Cloud 49349	NEWAYGO
Nieb Concrete Prod. Co., (Niles Sand & Gravel Div.), 1406 S. 11th St., Niles 49120	CASS
Northeast Gravel & Excav. Co., 4300 Cannonsburg Rd., Belmont 48167	KENT
Northville Sand & Gravel Co., 18275 Beck Rd., Northville 48167	WAYNE
The Nugent Sand Co., Inc. 2875 Lincoln St., Muskegon 49440	MUSKEGON
Oakland County Road Comm., 2420 Pontiac L. Rd., Pontiac 48054	OAKLAND
Oceana County Road Comm., P. O. Box 112, Hart 49420	OCEANA

SAND AND GRAVEL (Contd.)

Name and Address (Michigan)	County
Ogemaw County Road Comm., 223 Thomas St., West Branch	OGE MAW
Ontonagon County Road Comm., 415 Spar St., Ontonagon 49953	ONTONAGON
Oscoda County Road Comm., Mio 48647	OSCODA
Otisville Stone Co., Otisville 48463	GENESEE
Otsego Co. Road Comm., Gaylord 49735	OTSEGO
Ottawa County Road Comm., Grand Haven 49417	OTTAWA
Oxford Mining Co., Davisburg 48019	OAKLAND
P. & B. Gravel Co., R#3, Ithaca 48847	GRATIOT
Paas Brothers, Three Rivers 49093	ST. JOSEPH
Palmer Sand & Gravel, 2531 E. South St., Jackson 49201	JACKSON
Paris Gravel Co., R#1, Big Rapids 49307	MECOSTA
Peterhans Bros., R#2, Caro 48723	TUSCOLA
Peters Constr. Co., 3325 E. Kilgore Rd., Kalamazoo 49001	KALAMAZOO
Petersen Gravel & Excav., 350 Norwood, Rockford 49341	KENT
Pickitt & Schreur, Inc., Box 149, Allegan 49010	ALLEGAN (HMS), BARRY,
	OTTAWA, CALHOUN,
	CLINTON, ST. JOSEPH,
	KALAMAZOO, KENT,
	MISSAUKEE, JACKSON,
	WASHTENAW, LENAWEE,
	IONIA,
	LAPEER
Pine Sand & Gravel, 2690 Imlay City Rd., Lapeer 48446	SHIAWASSEE
Polhamus Sand & Gravel., Ovid 48866	WASHTENAW
Portage Lake Gravel, 7628 Toma Rd., Dexter 48130	GENESEE
John Post & Sons, Lennon 48449	TUSCOLA
Powell Sand & Gravel, Fairgrove 48733	PRESQUE ISLE
Presque Isle County Road Comm., Rogers City 49779	EATON, CLINTON
Pryor Bros., R#2, Grand Ledge 48837	
Riverside Sand & Gravel Co., 1050 Maynard Ave., S.W., Grand Rapids 49504	KENT
Riverview Gravel Co., 805 Taylor St., Jenison 49428	OTTAWA
Roscommon County Road Comm., P. O. Box 117, Roscommon 48653	ROSCOMMON
Roslund Gravel Co., 6902 Jerome Rd., Alma 48801	GRATIOT
Ryno Sand & Gravel, Box 778, Watervliet, 49098	BERRIEN
Saginaw Core Sand Co., Saginaw, 48601 (S)	GENESEE
Salem Gravel & Constr. (J. P. Burroughs & Son, Inc.) 5175 Oakhill Rd., Clarkston, 48016	OAKLAND
Sand Products Corp., 2489 First Nat'l. Bank Bldg. Detroit 48226 (S)	MANISTEE, MUSKEGON
Sanilac County Road Comm., Sandusky 48471	SANILAC
Saranac Sand & Gravel Co., Saranac 48881	IONIA, HURON
Sargent Sand Co., 2840 Bay Rd., Saginaw 48601 (S)	MASON
Sargent Sand Co., 2840 Bay Rd., Saginaw 48601 (S, SG)	TUSCOLA
Scarlett Gravel Co., 1721 S. Cedar, Holt 48842	INGHAM
Schoolcraft County Road Comm., P.O. Box 152, Manistique 49854	SCHOOLCRAFT
Shenk Gravel Co., (Donald Shenk, Sr.), Durand 48429	SHIAWASSEE
Sky-Way Sand & Gravel Co., 4060 E. Holt Rd., Holt 48842 (HMS)	INGHAM
Snellenberger Gravel, 13164 Seymour Rd., Burt 48417	GENESEE
South Flint Gravel Co., P. O. Box 275, Grand Blanc 48439	OAKLAND
Southwest Sand & Gravel Co., 522 N. Front St., Niles 49120	BERRIEN
Stamm Bros. Gravel Co., R#1, Adrian 49221	LENAWEE
Standard Sand Co., P. O. Box 290, Grand Haven 49417 (S)	OTTAWA, VAN BUREN
Delmar Stanley Gravel Co., R#1, Roscommon 48653	ROSCOMMON
Jess Stanley Gravel, R#3, Houghton Lake, 48629	CLARE, GLADWIN, ROSCOMMON
	KALAMAZOO
Stony Lake Sand & Gravel, R#1, Augusta 49012	VARIOUS
Straits Aggregate & Equip. Corp., Box 119A, R#1, Oscoda	HOUGHTON
Superior Sand & Gravel, Inc., 1028 Ethyl Ave., Hancock 49930	OCEANA
Syers Gravel Co., Inc., R#2, Hesperia 49421	
Tanner & Phillips Sand & Gravel, 252 West Columbia Ave., Pontiac 48053	OAKLAND
Tecumseh Gravel Co., P. O. Box 247, Tecumseh 49286	LENAWEE

SAND AND GRAVEL (Contd.)

Name and Address (Michigan)	County
Telischak Sand & Gravel, Inc., 12300 Farmington Rd., Livonia 48150	WAYNE
Thompson Constr. Co., 234 W. Garfield, Coldwater 49036	BRANCH
Thomson Sand & Gravel, 48399 W. 7 Mile Rd., Northville 48167	WAYNE
Thumm's Sand & Gravel, 117 S. Grove St., Ypsilanti 48197	WASHTENAW
Town's Trucking Co., P. O. Box 577, Ludington 49431	MASON, MANISTEE, WEXFORD
Transit-Mix Concrete Co., Greenville 48838	MONTCALM
Tuckey Block Co., Cass City 48726	TUSCOLA
Tuscola County Road Comm., 120 Millwood St., Caro	TUSCOLA
Underwood Sand & Gravel Co., 2255 Hamlin Rd., Utica 48087	OAKLAND
Union City Gravel Co., Union City 49094	BRANCH
C. E. Utterback Co., 415 Pickard St., Mt. Pleasant 48858	ISABELLA
Vermontville Gravel Co., R#1, Vermontville 49096	EATON
Vollmer Sand & Gravel, Pigeon 48755	HURON
Harold O. Voss, R#2, Fennville 49408	ALLEGAN
Ben Waanders & Son, R#5, Box 30, Allegan, 49010	ALLEGAN
Wagner Ready-mix, 220 N. 3rd St., Harbor Beach 48441	HURON
Walkden Supply, Inc., 522 N. Front St., Niles 49120	CASS
Walker Sand & Gravel Co., P. O. Box 176, New Hudson 48165 (HMS)	OAKLAND
Walling Gravel Co., P.O. Box 52, St. Johns 48879	CLINTON
F. S. Ward Co., Box 185, Clarkston 48016	OAKLAND
Washed Products Co., Box 485, Gladwin 48624	GLADWIN
Washtenaw County Road Comm., 555 N. Zeeb Rd., Ann Arbor 48103	WASHTENAW
Washtenaw Sand & Gravel, Inc., 4984 Earhardt, Ann Arbor 48103	WASHTENAW
Wallace Waterbury Gravel Co., Coldwater (HMS)	BRANCH
Wayne Sand & Gravel, Inc., 39891 Ecorse Rd., Wayne 48184	WAYNE
Ronald Weaver Gravel Co., Box 116, Dansville 48819	INGHAM, SHIAWASSEE, CLINTON, EATON
Weber's Sand & Gravel, 2595 Lapeer Rd., Pontiac 48053	OAKLAND
West Lansing Gravel Co., 1500 E. High St., Lansing 48900	INGHAM
West Shore Constr. Co., Inc., Zeeland 49464	EATON, OTTAWA
Wexford Gravel Co., P. O. Box 472, Cadillac 49601	WEXFORD
Wexford County Road Comm., P.O.Box 88, Cadillac 49601	WEXFORD
Whitehall Gravel Co., 3278 Colby St., Whitehall 49461	MUSKEGON
I. L. Whitehead Co., Sault Ste. Marie 49783	CHIPPEWA, VARIOUS
Whittaker & Gooding Co., 5800 Cherry Hill Rd., Ypsilanti 48197 (HMS)	WASHTENAW
Whittum's Gravel Co., Eaton Rapids 48827	EATON
Wilkinson Sand & Gravel Co., 2284 Auburn Rd., Pontiac 48053	OAKLAND
Willson Bros., Inc., Rives Junction 49277	JACKSON
Woodward Building Materials, Inc., 120 W. Chicago St., Coldwater 49036	BRANCH
Wurth Concrete & Aggregates, Inc., 3734 10th St., Menominee 49858	MENOMINEE
John G. Yerington, R#3, Box 34, Benton Harbor 49022	BARRY, BERRIEN, ALLEGAN, CALHOUN, CASS, VAN BUREN, EATON

(HMS) = Heavy media separation equipment

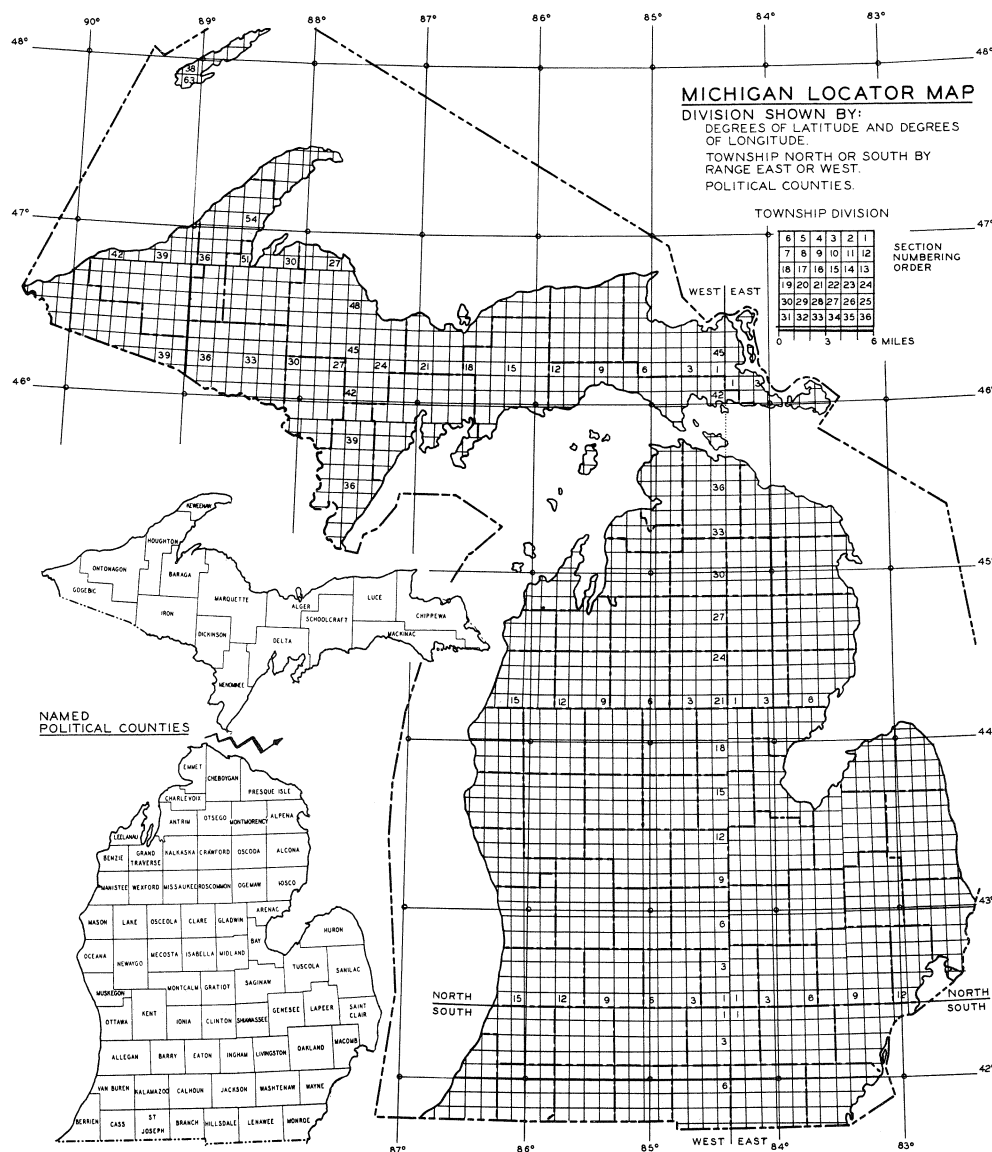
(S) = Industrial Sand only

(S, SG) = Industrial Sand in addition to sand & gravel.

Total commercial sand and gravel producers. 222
(18 of the above have heavy media separation equipment.)

Total non-commercial sand and gravel producers. 63

TOTAL SAND & GRAVEL PRODUCERS IN MICHIGAN 285



COUNTY BREAKDOWN OF MINERAL PRODUCERS METALLIC AND NONMETALLIC MINERALS

1965

Mineral producers contributing production data for 1965 are listed below by county. Location of the operation, when known, is given by section, township and range, or nearest city to operation.

The sentence below each county name gives: (1) the county standing (rank) in total value of minerals produced by the county in 1965, (2) the total dollar value, and (3) minerals produced in the county in order of value. Values withheld in order to avoid disclosing individual company confidential data are indicated thus: (W). Figures in parentheses following a mineral resource show the rank of the county in production.

A brief narrative report on 1965 mineral production, county by county, is given in Mineral Industry of Michigan, 1965, distributed with this Directory, or available free, on request. Annual publications entitled: "Statistics Covering Costs And Production of Michigan Iron Mines", and "Michigan Oil and Gas Fields" are also available free by writing the Publications Room, Department of Conservation, Lansing, Michigan 48926. (Free materials limited to single copies)

ALCONA

69th, \$141,000, Sand and Gravel

Alcona Co. Road Comm.	NE SW 7 25N 6E SE SW 7 26N 9E NW NE 11 26N 9E	Sand and gravel
Jerry George Sand & Gravel Mich. State Hwy. Dept.	SW SE 3 25N 9E (Contractor)	Sand and gravel " " "

ALGER

79th, \$25,000, Sand and Gravel

Alger Co. Road Comm.	6 46N 20W	Sand and gravel
----------------------	-----------	-----------------

ALLEGAN

38th, \$1,353,977, Petroleum, Sand and Gravel, Natural Gas, Marl (5th), Peat.

City of Allegan	Allegan	Sand and Gravel
Allegan Co. Road Comm.	" " "	" " "
Gerald Arnsman	Belden pit	Marl
Charles E. Douglas	Wayland	Peat (reed-sedge)
Huitt & Son	NE SW 9 2N 13W	Sand and Gravel
Emil Pavlak	NE SW 12 2N 12W	Marl
Pickitt & Schreur	SW SW 24 1N 12W 8 1N 14W 36 4N 15W SW SW 31 4N 12W	Sand and Gravel " " " " " " " " "
Van Buren Co. Road Comm.	" " "	" " "
Harold O. Voss	Fennville	" " "
Ben Waanders & Son	W½ NW 21 2N 13W	" " "
John G. Yerington	NE NE 22 3N 15W SE NW 15 4N 11W	" " " " " "

ALPENA

4th, (W), Cement (1st), Stone for cement mfg. (2nd), Shale for cement mfg. (1st), Sand and Gravel

Alpena Co. Road Comm.	NW NW 34 32N 8E	Sand and gravel
" " " "	SE NW 35 31N 6E	" " "
Brilinski Sand & Gravel	SW SW 13 30N 7E	" " "
Bernard Dowling Trucking	Alpena	" " "
Gilliland Constr. Co.	NE NE 14 32N 8E	" " "
" " " "	E½ NE 2 30N 6E	" " "
" " " "	Beitter pit, Ossineke	" " "
Huron-Portland Cement Co.	NE 30 31N 7E	Shale
" " " "	24 31N 8E	Cement
" " " "	13 31N 8E	Limestone, crushed
Percy McKinnen	NE SE 23 32N 8E	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Straits Aggregate & Equip. Corp.		" " "

ANTRIM

65th, \$204,696, Shale for cement mfg., Sand and Gravel

Antrim Co. Road Comm.	NE NE 16 31N 6W	Sand and gravel
" " " "	NE NE 19 30N 6W	" " "
" " " "	SE 26 32N 8W	" " "
" " " "	NE SW 36 32N 9W	" " "
Penn-Dixie Portland Cement Co.	SE 23 32N 8W	Shale

ARENAC

42nd, \$1,153,058, Petroleum (11th, 2.1%), Stone, Sand and gravel.

Arenac Co. Road Comm.	NW 5 19N 7E	Limestone, crushed
" " " "		Sand and gravel
Bay Co. Road Comm.	34 20N 5E	Limestone, crushed
Eastman Gravel pit	SW NW 36 19N 5E	Sand and gravel
Iosco Co. Rd. Comm.	SW 24 20N 7E	Limestone, crushed

BARAGA

71st, \$104,400, Sand and Gravel, Stone.

Baraga Co. Road Comm.	NW 23 51N 31W	Sand and gravel
Superior Nat. Redstone Qy.	2 52N 53W	Sandstone, dimensional
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel

BARRY

53rd, \$497,631, Sand and gravel, Petroleum, Marl (4th), Peat.

Bender Gravel Co.	SW NW 12 3N 9W	Sand and gravel
Cole Gravel Co.	NE NW 7 3N 10W	" " "
Cole Brothers	(For County)	" " "
William Currier	NW SE 6 4N 10W	Marl
Delton Excav. Co.	Delton	Sand and gravel
E. R. Hamilton	25 2N 7W	Marl
Ionia Co. Road Comm.		Sand and gravel
Nashville Gravel Co.	NE NW 10 1N 7W (HMS)	" " "
" " " "	SE SE 15 2N 7W	" " "
" " " "	SW SW 14 2N 7W	" " "
Pickett & Schreur, Inc.		" " "
J. C. Roodvoets & Sons	Middleville	Peat moss

BARRY (Contd.)

John G. Yerington	NE NE 33 2N 8W	Sand and gravel
" " "	SW NW 25 2N 10W	" " "

BAY

14th, \$10,342,076, Cement (4th), Petroleum (9th), Lime, Sand and Gravel.

Aetna Portland Cement Co.	NE 14 14N 5E	Cement
Monitor Sugar Div.	Bay City	Lime
Bay County Road Comm.		Sand

BENZIE

78th, \$30,000, Sand and gravel.

Benzie Co. Road Comm.		Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "

BERRIEN

37th, \$1,376,055, Sand and Gravel, Industrial Sand, Marl (6th)

Arrowhead Silica Corp.	NW 8 6S 19W	Sand, industrial
" " " "	SE NE 13 7S	" " "
" " " "	SW 5 6S 19W	" " "
Berrien Co. Road Comm.	(Contractor)	Sand and gravel
J. V. Burkett	St. Joseph	" " "
B. W. Crosby	23 8S 20W	Marl
Ireland & Lester	NW NW 24 4S 19W	Sand and gravel
Kiell Excavating	SE 15 7S 17W	" " "
Martin's Marl	21 8S 20W	Marl
Mich. State Hwy. Dept.	(Contractor)	
Manley Sand Div. Martin-Marrietta	18 6S 19W	Sand, industrial
Ryno Gravel Co.	NE 27 3S 17W	Sand and gravel
Southwest Sand & Gravel Co.	Niles	" " "
John G. Yerington	SW NE 27 3S 17W	Sand
" " "	NW SW 27 3S 17W	Sand
" " "	Stewart pit, Watervliet	Sand and gravel

BRANCH

66th, \$199,537, Sand and Gravel, Marl.

Branch Co. Road Comm.	NE SE 19 6S 6W	Sand and gravel
Frisbie Bros.	26 5S 8W	Marl
Taylor & Son	Hilton & Hammon pits	Marl
Thompson Constr. Co.	Coldwater	Sand and gravel
Union City Gravel Co.	Union City	" " "
Woodward Bldg. Materials	NW SW 21 6S 6W	" " "
Wallace Waterbury Gravel Co.	Coldwater (HMS)	" " "

CALHOUN

16th, \$7,822,925, Petroleum (2nd, 15.7%), Natural Gas (4th), Sand and Gravel
Marl.

Carl Avery	Union City	Marl
Battle Creek Gravel Co.	S $\frac{1}{2}$ 4 2S 8W	Sand and gravel
" " " "	SW NE 15 1S 7W	" " "
" " " "	NW SE 33 1S 8W	" " "
Calhoun Co. Road Comm.		" " "
Case Brothers	28 4S 7W	Marl
Cole Brothers	N $\frac{1}{2}$ 33 1S 8W	Sand and gravel
Emil Combs. Grav. & Ready-Mix	NE SE 18 4S 5W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Pickitt & Schreur		" " "
Spoor Brothers	23 4S 7W	Marl
John G. Yerington	Homer	Sand and gravel

CASS

59th, \$344,969, Sand and Gravel, Petroleum, Marl (3rd)

LaVerne Brizendine	15 5S 16W	Marl
" " " "	NE NW 30 5S 15W	"
Cass Co. Road Comm.	NE NE 20 5S 13W	Sand and gravel
" " " "	NE SE 16 6S 15W	" " "
" " " "	SE SE 17 6S 13W	" " "
Niab Concrete Prod.	NW NW 15 7S 16W	" " "
Pipher's Marl Svc.	NE 9 8S 13W	Marl
Poehlman & Sons	13 7S 16W	"
Walkden Supply, Inc.	SE SE 35 5S 16W	Sand and gravel
John G. Yerington	NW SE 10 5S 16W	" " "

CHARLEVOIX

81st, \$17,000, Sand and Gravel.

Norman Bartlett	NE SW 30 32N 6W	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "

CHEBOYGAN

68th, \$141,097, Sand and Gravel, Stone.

Afton Stone & lime	SE 25 35N 2W	Limestone, crushed
Charlevoix Lime & Stone Co.	SE 25 35N 2W	" "
Gilliland Constr. Co.	NW SE 25 38N 1W	Sand and gravel
Hugh H. Mason & Sons	SE SE 32 33N 3W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Cheboygan Co. Road Comm.	(Contractor)	" " "

CHIPPEWA

22nd, \$4,739,350, Stone, Sand and Gravel.

Drummond Dolomite, Inc.	E $\frac{1}{2}$ SW 36 42N 4E	Dolomite, crushed
Anthony J. Monteno	Sault Ste. Marie	Sand and gravel
I. L. Whitehead Co.	SE SE 1 46N 6W	" " "
" " " "	N $\frac{1}{2}$ SW 29 44N 1W	" " "
" " " "	SE SW 15 47N 5W	" " "
" " " "	SW SE 13 45N 1W	" " "
" " " "	NE NE 24 45N 1E	" " "
" " " "	NW NE 29 44N 5W	" " "

CHIPPEWA (Cont.)

I. L. Whitehead Co.	NW SW 30 47N 3W	Sand and gravel
" " " "	NE SE 35 47N 1W	" " "
" " " "	NW 23 45N 2W	" " "
Champion, Inc.	SW SE 33 45N 1W	" " "

CLARE

33rd, \$1,979,539, Petroleum (5th, 4.4%), Sand and gravel, Natural Gas, Natural Gas Liquids.

Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Jess Stanley Gravel	25 19N 4W	" " "
Clare Co. Road Comm.		" " "

CLINTON

57th, \$369,366, Sand and Gravel, Shale (for clay products)

American Vitrified Prod.	SE 34 5N 4W	Shale (for tile mfg.)
Boichot Concrete Prod.	NW NW 27 5N 2W (HMS)	Sand and gravel
Clinton Co. Road Comm.		" " "
Grand Ledge Clay Prod.	SE 34 5N 4W	Shale (for tile mfg.)
Harmon Sand & Gravel	St. Johns	Sand and gravel
Pickitt & Schreuer, Inc.		" " "
Walling Gravel Co.	SE NW 34 8N 2W	" " "
Ronald Weaver Gravel Co.	Elchuck, Martin Block pits	" " "

CRAWFORD

58th, \$367,143, Petroleum, Natural Gas, Sand and Gravel, Natural Gas Liquids.

Crawford Co. Road Comm.	SE NW 27 25N 2W	Sand and gravel
" " " "	NW SW 9 25N 3W	" " "
" " " "	SW SW 27 26N 3W	" " "
" " " "	S $\frac{1}{2}$ SW 28 26N 3W	" " "
Jack Millikin	Grayling	" " "
I. L. Whitehead Co.		" " "

DELTA

62nd, \$259,148, Sand and Gravel, Stone.

Bichler Gravel Co.	NE 12 39N 23W	Sand and gravel
" " " "	E $\frac{1}{2}$ NE 14 40N 23W	" " "
" " " "	SW 1 39N 23W	Limestone, crushed
Caspian Constr. Co.	SE SE 14 40N 23W	Sand and gravel
" " " "		" " "
Delta Co. Road Comm.	SE SW 10 37N 24W	" " "
" " " "	NE NE 5 38N 24W	" " "
" " " "	SW NE 12 39N 23W	" " "
" " " "	NE SW 24 40N 20W	" " "
" " " "	NW NE 28 40N 28W	" " "
" " " "	SW SW 19 38N 24W	" " "
" " " "	NE NE 14 40N 23W	" " "
Fox Valley Constr. Co.	SW SE 17 41N 21W	" " "
Gunnar F. Holmberg	Gladstone	" " "
Marvic & Sons	Bark River	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "

DICKINSON

11th, \$19,478,359, Iron Ore, Stone, Sand and Gravel.

Champion, Inc.	SE NE 20 39N 28W	Sand and gravel
" "	NE NE 19 40N 30W	" " "
Dickinson Co. Road Comm.	SE NW 7 41N 27W	" " "
" " " "	NE 33 42N 30W	" " "
Felch Quarry Co. (Metro-Nite)	SE SW 26 42N 28W	Dolomite, crushed
Fox Valley Constr. Co.	1 39N 30W	Sand and gravel
Groveland Mine (M. A. Hanna Co.)	Open Pit 31 42N 29W	Iron Ore
Great Lakes Select		
Stone Products (Sup. Rock Prod.)	SW NW 35 42N 30W	Misc. stone, crushed
Miller Products & Supply Co.	Iron Mountain	Fill sand

EATON

51st, \$561,705, Sand and Gravel, Stone, Shale (for clay products), Peat.

American Vetrified Products	NE 10 4N 4W	Tile plant
		(Shale pit in Clinton Co.)
Briggs Ready-Mix and Gravel	NW 24 2N 5W (HMS)	Sand and gravel
Cheney Limestone Co.	NE 29 1N 6W	Limestone, crushed
Grand Ledge Clay Products	SE 3 4N 6W	Shale (for tile mfg.)
Hilu Peat Co.	Charlotte	Peat
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Pryor Brothers	NW SW 7 2N 4W	" " "
" "	SE NW 15 3N 3W	" " "
" "	SW SE 3 3N 3W	" " "
" "	SE NE 7 3N 4W	" " "
Vermontville Gravel Co.	Vermontville	" " "
Ronald Weaver Gravel Co.	McNamara Pit	" " "
West Shore Constr. Co.	Harmon pit, Vermontville	" " "
" " " "	Smith pit, Nashville	" " "
Whittum's Gravel Co.	NE SE 5 1N 3W	" " "
John G. Yerington	NE SE 13 2N 3W	" " "
" " "	Driscoll pit, Charlotte	" " "
" " "	Johnson & Adams pits,	" " "
	Eaton Rapids	" " "

EMMET

17th, \$7,285,985, Cement (5th), Stone, Sand and Gravel.

Emmet Co. Road Comm.	SE SW 36 38N 5W	Sand and gravel
" " " "	SW SW 31 34N 4W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Penn-Dixie Cement Corp.	2 34N 6W	Cement
" " " "	3 34N 6W	Limestone (for cement)

GENESEE

49th, \$652,163, Sand and Gravel, Petroleum

Ferguson Excavating Co.	Davison	Sand and gravel
Genesee Gravel Co.	SW SE 7 8N 8E	" " "
" " " "	SE NE 6 7N 6E	" " "
Kurtz Gravel Co.	SE SW 1 8N 7E	" " "
" " " "	SE NE 20 8N 7E	" " "
A. S. Leffler & Son	NW NW 2 9N 8E	" " "
Mathews Gravel Co.	SW SE 1 8N 7E	" " "
Molesworth Contracting	Romeo (Carter & Paton pits)	" "
Newman Sand & Gravel	Flushing	" " "

GENESEE (Contd.)

Otisville Stone Co.	N½ 15 9N 8E	Sand and gravel
Saginaw Core Sand Co.	SE NE 28 9N 8E	" " "
Snellenberger Gravel Co.	SE 16 9N 5E	" " "

GLADWIN

40th, (W), Petroleum (6th, 3%), Sand and Gravel.

Washed Products Co.	Gladwin	Sand and gravel
Jess Stanley Gravel	SE SE 12 20N 2W	" " "
" " "	NE NE 13 20N 2W	" " "

GOGEBIC

18th, \$6,567,023, Iron Ore (shipments from stockpile), Sand and Gravel

Caspian Constr. Co.	Watersmeet	Sand and gravel
Fox Valley Constr. Co.	NW NW 25 45N 41W	" " "
" " " "	NE NE 7 45N 43W	" " "
Gogebic Co. Road Comm.	SW NW 33 48N 47W	" " "
" " " "	SW NW 29 47N 46W	" " "
" " " "	NW NW 6 47N 46W	" " "
" " " "	NE NE 9 47N 47W	" " "
" " " "	NW NE 33 45N 41W	" " "
Gogebic Oil Co.	33 47N 46W	" " "
City of Ironwood	NE SE 34 47N 47W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Pickands Mather & Co:		
Geneva Mine	18, 19 47N 46W	Iron Ore
Peterson Mine	16, 17 47N 46W	Iron Ore

GRAND TRAVERSE

73rd, (W), Sand and Gravel.

Lamar Gravel Co.	Grawn	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "

GRATIOT

20th, (W), Bromine (4th), Salt, Magnesium Compounds (4th), Calcium-Chloride & Calcium-Magnesium Chloride (3rd), Sand and Gravel, Petroleum, Sulfur, Natural Gas.

Gratiot Co. Road Comm.	W½ SE 34 11N 4W	Sand and gravel
" " " "	NW NW 18 12N 4W	" " "
Michigan Chemical Corp.	St. Louis	Bromine, Calcium-Magnesium Chloride, Magnesium Compounds, Salt
Leonard Refineries	Alma	Sulfur
P. & B. Gravel Co.	9 10N 1W	Sand and gravel
Roslund Gravel Co.	NW NE 36 12N 3W	" " "

HILLSDALE

12th, \$16,857,319, Petroleum (1st, 33.8%), Natural Gas Liquids (2nd, 35%), Natural Gas (3rd), Sand and Gravel, Marl.

Bunday Hill Gravel Co.	7 & 8 5S 1W (HMS)	Sand and gravel
Roland Cross	Marchal & Lambright Marl Pits	Marl
H. Eckley	Waldron	Sand and gravel
Hillsdale Co. Road Comm.	(11 county-owned pits)	" " "
John Hess	4 5S 3W	Marl
Hoover Brothers	NE SE 23 8S 2W	Sand and gravel
Jackson Sand & Gravel	Reading	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "

HOUGHTON

19th, \$5,661,925, Copper (2nd), Sand and Gravel, Stone.

Calumet & Hecla, Inc.:		
Centennial 2 Mine	NW 18 56N 33W	Native copper
Centennial 3 Mine	SE 12 56N 33W	" "
Osceola 13 Mine	23 56N 33W	" "
Tamarack Reclamation	NW 13 55N 33W	" "
Copper Range Co.:		
Champion Mine	31 54N 34W	Native copper
Redridge Reclamation	NW 25 55N 34W	Copper
Houghton Co. Road Comm.	SE NW 17 53N 35W	Sand and gravel
" " " "	NE NW 5 56N 32W	" " "
" " " "	NW NW 12 56N 33W	" " "
" " " "	SW 11 54N 34W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Quincy Mining Co.:		
Quincy Reclamation	NW 26 55N 33W	Copper
Superior Sand & Gravel	NE SW 27 55N 34W	Sand and gravel
Limestone Mountain Co.	NW SW 24 51N 35W	Dolomite, crushed

HURON

39th, \$1,295,026, Stone, Sand and Gravel, Lime, Petroleum.

Huron Co. Road Comm.	SE SE 17 16N 13E	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Michigan Sugar Co.	Sebewaing	Lime (for sugar Mfg.)
Molesworth Contracting	Bad Axe	Sand and gravel
Ed Murawski	NW SW 31 17N 14E	" " "
Saranac Sand & Gravel	Bad Axe	" " "
Straits Aggregate Corp.		" " "
Vollmer Sand & Gravel	NE SE 20 15N 11E	" " "
Wagner Ready-Mix	E½ E½ SW 27 16N 15E	" " "
" " " "	SW SW 22 16N 15E	" " "
" " " "	SE 29 16N 13E	" " "
Wallace Stone Co.	SW NE 5 16N 10E	Limestone, crushed, and dimensional

INGHAM

41st, \$1,220,000, Sand and Gravel, Lime (not marketed), Peat.

Board of Water & Light	Lansing	Lime, regenerated
Cheney Gravel Co.	NE NE 23 3N 2W	Sand and gravel
Fiser Supply Co.	34 3N 2W	" " "
Ford & Co.	SE 19 3N 2W (business terminated 5/31/66)	" " "
Holloway Sand & Gravel, Inc.		Sand and gravel
S. E. Ketchum & Sons	NW 36 3N 2W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Scarlett Gravel Co.	25 3N 2W	" " "
Sky-Way Sand & Gravel	NE NE 23 3N 2W (HMS)	" " "
Ronald Weaver Gravel Co.	SE 3 3N 1E	" " "
" " " "	23, 26 2N 2W (4 pits)	" " "
" " " "	NW NE 28 1N 2W	" " "
West Lansing Gravel Co.	NE 10 4N 2W	" " "
Winn's Peat Corp.	7 3N 2W	Peat.

IONIA

60th, \$274,000, Sand and Gravel.

Ionia Co. Road Comm.	NW NE 33 7N 7W	Sand and gravel
" " " "	SE SE 8 6N 5W	" " "
" " " "	SE NE 24 5N 7W	" " "
" " " "	NE SW 18 5N 5W	" " "
" " " "	SW SE 21 7N 6W	" " "
" " " "	NW SW 28 6N 5W	" " "
" " " "	NE SW 15 7N 5W	" " "
Harold L. Martin	30 7N 5W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Pickitt & Schreuer	NW SE 21 7N 6W	" " "
" " " "	NE NE 16 7N 5W	" " "
Saranac Sand & Gravel	N½ SW 6 6N 7W	" " "

IOSCO

23rd, \$4,555,659, Gypsum, Sand and Gravel.

Michigan Gypsum Co.	SW 25 21N 5E	Gypsum
" " " "	NW NW 31 21N 6E	"
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
National Gypsum Co.	26 35 22N 6E	Gypsum
Straits Aggregate & Equip. Corp.		Sand and gravel
U. S. Gypsum Co.	22, 27 21N 7E	Gypsum

IRON

9th, \$20,209,418, Iron Ore, Sand and Gravel.

Caspian Constr. Co.	SE SE 28 43N 35W	Sand and gravel
Hanna Mining Co.	Various	" " "
Hanna Iron Ore Div.,		
National Steel Corp:		
Hiawatha Mine	35, 36 43N 35W	Iron Ore
Homer Mine	22, 23 43N 35W	" "
Hanna Mining Co.:		
Wauseca Mine	23 43N 35W	" "
Inland Steel Co.:		
Bristol Mine	19, 20 43N 32W	" "
Sherwood Mine	23 43N 35W	" "
Iron Co. Road Comm.	Various	Sand and gravel

ISABELLA

34th, \$1,730,208, Sand and Gravel, Petroleum (10th), Marl, Natural Gas.

Gatehouse Brothers	SW SW 36 15N 6W	Marl
Hubscher & Son	22 15N 6W	Sand and gravel
"	NW NE 7 16N 3W	" " "
"	Various	" " "
Isabella Co. Road Comm.	Various	" " "
James R. McGuirk & Sons	Mt. Pleasant	" " "
C. E. Utterback	35 15N 6W	" " "

JACKSON

21st, \$5,290,143, Petroleum (3rd, 10.7%), Natural Gas (5th), Sand and Gravel, Stone, Marl.

Barnes Brothers	Horton	Marl
Jackson Co. Road Comm.	SE SE 29 1S 1W	Sand and Gravel
Jeffrey Limestone Co.	SE 30 2S 2W	Limestone, crushed
Klumpp Bros. Gravel Co.	SE SE 1 2S 2E	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Molesworth Contracting Co.	NE SW 31 3S 1E	" " "
"	Hubers pit, Jackson	" " "
Original Sandstone Quarry	NE NW 6 4S 2E	Sandstone
Palmer Sand & Gravel	SW NW 8 3S 1E	Sand and gravel
Pickitt & Schreuer, Inc.	"	" " "
Ray's Stone Quarry	NE NW 6 4S 2E	Sandstone
Star Stone Co.	SW SE 31 3S 2E	"
Willson Bros., Inc.	Rives Junction	Sand and gravel

KALAMAZOO

47th, \$929,566, Sand and Gravel, Marl (1st), Peat.

Allegan Co. Road Comm.		Sand and gravel
American Aggregates Corp.	SW NW 15 1S 11W	" " "
Lee Bertrand	31 3S 12W	Marl
Merle Coville	SE SW 26 3S 10W	"
Consumers Sand and Gravel	SE NE 13 2S 11W	Sand and gravel
Craven's Peat Farm	SW SW 3 3S 10W	Peat
Gravel Producers, Inc.	Parchment	Sand and gravel
Hayward Dry Marl	8 4S 10W	Marl
Kalamazoo Co. Road Comm.	NE NW 34 1S 11W	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Peters Constr. Co.	Kalamazoo	" " "
Pickitt & Schreuer, Inc.	NE NW 34 1S 11W	" " "
Fred Rumz	30 4S 10W	Marl
Albert H. Roodbergen	Scotts	Peat
Stony Lake Sand & Gravel	Augusta	Sand and gravel

KALKASKA

75th, \$64,236, Petroleum, Sand and Gravel, Natural Gas

Kalkaska Co. Road Comm.	25N 8W	Sand and gravel
Mich. State Hwy. Dept.		" " "
Jack Millikin	Grayling	" " "

KENT

26th, \$3,060,402, Sand and Gravel, Gypsum, Petroleum, Peat.

Bestwall Gypsum Div., (Georgia-Pacific Corp.)	SW 34 7N 12W	Gypsum
Coit Ave. Gravel Co.	29 8N 11W	Sand and gravel
Contractor's Gravel Co.	Sparta	" " "
Cousineau Gravel, Inc.	E½ NW 8 6N 10W	" " "
"	Kent City	" " "
Cross & White	SE 2 7N 11W	" " "
Ed DeVries & Sons	NE 22 7N 12W	" " "
Diekman's Peat Moss	Byron Center	Peat (Moss)
Dyer Co.	Greenville	" "
Grand Rapids Gypsum Co.	34 7N 12W	Gypsum
City of Grand Rapids	Grand Rapids	Sand and gravel
Grand Rapids Gravel Co.	NE NW 16 6N 12W	" " "
"	SW SW 33 7N 12W	" " "
"	SE SW 8 6N 12W	" " "
"	SW SE 23 8N 11W	" " "
Katerberg Landscape Service	Grand Rapids	Peat (humus)
Kent Co. Road Comm.	SE SW 11 10N 12W	Sand and gravel
"	SE SE 20 6N 9W	" " "
"	NE NE 32 7N 9W	" " "
"	NE SW 27 5N 10W	" " "
Lisk Nursery	Grand Rapids	Peat (Moss)
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Paul C. Miller	Campbell pit, Gratton	" " "
"	Norman pit, Rockford	" " "
Northeast Gravel & Excavating	NE SW 24 8N 11W	Sand and gravel
Peterson Gravel & Excav.	Rockford	" " "
Pickitt & Schreuer, Inc.	NE NW 25 5N 12W	" " "
"	NE NE 10 6N 9W	" " "
"	SW SE 23 8N 11W	" " "
"	SE SE 33 7N 12W	" " "
Riverside Sand & Gravel	Grand Rapids	Peat (reed-sedge)
Twin Lakes Nursery		

KEWEENAW

28th, \$2,266,193, Copper, Sand and Gravel.

Calumet & Hecla, Inc.:		
Allovez 3 Mine	32 57N 32W	Copper
#3 & 4 Ahmeek Peninsula Mine		
Poor Rock dump (reclamation)	28 57N 32W	Copper
Seneca 2 Mine		Copper
Keweenaw Co. Road Comm.		Sand and gravel.

LAKE

74th, \$75,815, Petroleum, Sand and Gravel.

Lake Co. Road Comm.	SE NE 23 18N 13W	Sand and gravel
" " " "	NW SE 10 20N 14W	" " "

LAPEER

54th, \$496,137, Sand and Gravel, Calcium-Magnesium Chloride, Petroleum, Peat.

Anderson Peat Co.	NE SE 23 7N 12E	Peat (reed-sedge)
Ralph Bollon	SW SW 20 8N 10E	Sand and gravel
Hoffman Peat Co.	NE NE 9 7N 12E	Peat.
Lapeer Co. Road Comm.	SW SE 16 9N 10E	Sand and gravel
"	NW SW 28 9N 12E	" " "

ISABELLA, JACKSON, KALAMAZOO,
KALKASKA, KENT, KEWEENAW,
LAKE, LAPEER

LAPEER (Contd.)

Lapeer Co. Road Comm.	SE SW 30 8N 10E	Sand and gravel
" " " "	NE SE 11 6N 10E	" " "
" " " "	NE NW 1 8N 9E	" " "
Michigan Peat, Inc.	25 7N 12E	Peat (reed-sedge)
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Pine Sand & Gravel	E½ NW 12 7N 10E	" " "
Soulliere Peat & Sod Co.	SW SW 25 7N 12E	Peat (reed-sedge)
Wilkinson Chemical Co.	SW SW 20 8N 10E	Calcium-Magnesium Chloride

LEELANAU

76th, \$53,000, Sand and Gravel.

Leelanau Co. Road Comm.	NE NW 16 28N 13W	Sand and gravel
" " " "	SW SE 12 29N 13W	" " "
" " " "	SW NW 19 32N 10W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "

LENAWEE

50th, \$586,417, Sand and Gravel, Cement (shipments only), Clay (for clay products), Petroleum, Peat.

Adrian Sand & Gravel	Adrian	Sand and gravel
Adrian Sand & Gravel		
(Tecumseh Materials, Div.)	NE SE 4 6S 4E	Sand and gravel
Brady Sand & Gravel	SE 32 5S 4E	" " "
Comfort Brick & Tile Co.	SW 2 6S 5E	Clay (for clay products)
Midwest Peat Co.	NE SW 25 7S 2E	" " " "
Peninsula Portland Cement Co.	NE 5 5S 1E	Portland Cement
Pickitt and Schreur		Sand and gravel
Stamm Brothers Gravel Co.	SW NE 19 7S 3E	" " "
Tecumseh Gravel Co.	SW NE 4 6S 4E	" " "

LIVINGSTON

25th, \$3,745,651, Sand and Gravel, Natural Gas.

American Aggregates Corp.	NE NE 11 1N 6E (HMS)	Sand and gravel
" " " "	NE 24 2N 6E (HMS)	" " "
D. & J. Gravel Co.	SW SW 32 3N 4E	" " "
Fenton Gravel Co.	NE SE 2 4N 6E	" " "
Holloway Sand & Gravel Co.		" " "
Livingston Co. Road Comm.	SE NE 4 2N 4E	" " "
" " " "	SW NE 31 4N 6E	" " "
" " " "	NW NE 26 2N 5E	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "

LUCE

72nd, \$90,000, Sand and Gravel

Luce Co. Road Comm.	SE NE 14 45N 10W	Sand and gravel
---------------------	------------------	-----------------

MACKINAC

35th (W), Stone, Sand and Gravel.

Inland Lime & Stone Co.	4-9 42N 12W	Limestone, crushed
" " " "	31, 32 43N 12W	" " "
Mackinac Co. Road Comm.	SW NW 33 43N 11W	Sand and gravel
" " " "	NE SW 6 40N 3W	" " "
Mike Mangene, Inc.	SE NE 24 42N 1W	" " "
Mich. Limestone Operation, U.S. Steel, Cedarville Quarry	10 42N 1E	Limestone, crushed

MACOMB

24th, \$4,030,407, Natural Gas (2nd), Sand and Gravel, Petroleum.

Advance Bldg. Materials Co.	NE NW 8 4N 12E	Sand and gravel
American Aggregates Corp.	SW NW 4 4N 12E (HMS)	" " "
Armada Sand & Gravel	SW SW 23 5N 13E	" " "
Great Lakes Gravel Co.	NW NW 31 3N 12E	" " "
Holloway Sand & Gravel Co.	Macomb	" " "
Lake Arrowhead Investment, Inc.	Shelby Twp.	" " "
Macomb Co. Road Comm.	Various	" " "
Macomb Sand & Gravel	SW SW 30 3N 12E	" " "
Marsack Sand & Gravel	NW NW 3 1N 13E	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Molesworth Contracting	Romeo	" " "
Morgan Sand & Gravel	30 3N 12E	" " "
Natural Aggregates Corp.	NW NE 8 4N 12E	" " "

MANISTEE

10th, \$19,964,216, Salt, Magnesium Compounds (2nd), Bromine (2nd), Sand and Gravel, Calcium Chloride.

Gronlund Gravel Co.	SW NE 7 23N 14W	Sand and gravel
" " " "	SE 7 23N 14W	" " "
Great Lakes Chemical Corp.	SE SW 18 21N 16W	Bromine
Manistee Co. Road Comm.	SW NW 35 24N 13W	Sand and gravel
Manistee Salt Div., Hardy Salt Co.	Manistee	Salt, evaporated
Michigan Chemical Corp.	NW 7 21N 16W	Bromine
Mich. State Highway Dept.	(Contractor)	Sand and gravel
Morton Chemical Co.	12 21N 17W	Bromine, Magnesium comp., Calcium Chloride
Morton Salt Co.	Manistee	Salt
Sand Products Corp.	N½ 11 21N 17W	Sand
Standard Lime & Refractories Co.	SE 18 21N 16W	Magnesium compounds
Towns Trucking Co.	NW SE 32 21N 15W	Sand and gravel

MARQUETTE

1st, \$107,811,894, Iron Ore, Sand and Gravel.

Caspian Constr. Co.	Marquette	Sand and gravel
Champion, Inc.	NW NE 26 48N 30W	Sand and gravel
Cleveland-Cliffs Iron Co.:		
Cliffs Shaft Mine	3, 9, 10 47N 27W	Iron Ore
Empire open pit mine	19 47N 26W	" "
Humboldt open pit mine	10, 15 47N 29W	" "
Mather mine	1 47N 27W	" "
Republic open pit mine	7 46N 29W	" "
Tilden open pit mine	26 47N 27W	" "

LEELANAU, LENAWE, LIVINGSTON,
LUCE, MACKINAC, MACOMB,
MANISTEE, MARQUETTE

MARQUETTE (Contd.)

Fox Valley Constr. Co.	Witch Lake	Sand and gravel
George Hocking Constr. Co.	Gwinn	" " "
Ken Hodgins & Sons	Marquette	" " "
City of Ishpeming	Ishpeming	" " "
Jones & Loughlin Steel Corp:		
Tracy Mine	7, 8, 48N 26W	Iron Ore
Lake Superior & Ishpeming R. R.	Humboldt	Sand and gravel
A. Lindberg & Sons, Inc.	SE SW 32 48N 26W	Sand and gravel
" " " " "	SE SW 32 48N 26W	Crushed basalt & dolomite
" " " " "	NW NW 17 47N 25W	Sand and gravel
" " " " "	NE NW 5 47N 26W	" " "
" " " " "	SE SE 36 48N 28W	" " "
A. Lindberg & Sons, Inc.	SE SE 8 47N 24W	" " "
City of Marquette	NE SW 9 48N 25W	" " "
" " " " "	NE SW 10 48N 25W	" " "
Marquette Co. Road Comm.	NE NW 1 45N 23W	" " "
" " " " "	SE SW 36 46N 23W	" " "
" " " " "	NW SE 4 47N 29W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
North Range Mining Co.:		
Champion Mine	31 48N 29W	Iron Ore

MASON

6th, (W), Magnesium Compounds (1st), Calcium Chloride (1st), Lime (2nd), Bromine (3rd), Sand and Gravel, Petroleum.

The Dow Chemical Co.	NW SW 23 18N 18W	Bromine, calcium-chloride, Magnesium, Compounds, Lime
Harbison-Walker Refractories	NE SE 23 18N 18W	Magnesium compounds
Mason Co. Road Comm.	SW SW 11 18N 15W	Sand and gravel
" " " " "	18 18N 16W	" " "
Sargent Sand Co.	SW 33 19N 18W	Sand, industrial
Towns Trucking Co.	NW 20 17N 17W	Sand and gravel.

MECOSTA

64th, \$236,712, Sand and gravel, Petroleum, Natural Gas, Marl, Peat.

Central Concrete Products, Inc.	Big Rapids	Sand and gravel
Cousineau Gravel, Inc.	NW NE 35 15N 8W	" " "
" " " " "	SE SW 12 15N 10W	" " "
" " " " "	SW NW 22 16N 10W	" " "
" " " " "	Barryton	" " "
Gummer's Peat Co.	Lakeview	Peat
Mecosta Co. Road Comm.	NE NE 32 15N 9W	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Orville Truman	NW 12 14N 9W	Marl
" " " " "	SE 18 13N 7W	"
Paris Gravel Co.	SE 27 16N 10W	Sand and gravel

MENOMINEE

43rd, \$1,063,482, Lime (3rd), Sand and Gravel.

B. & K. Sand and Gravel	Wallace	Sand and gravel
Caspian Constr. Co.	Powers	" " "
Limestone Products Div.,		
The C. Reiss Coal Co.	Menominee	Lime

MENOMINEE (Contd.)

Menominee Co. Road Comm.	SE NE 33 35N 26W	Sand and gravel
" " " " "	NE NE 9 39N 25W	" " "
" " " " "	SE SE 4 39N 25W	" " "
Mich. State Highway Dept.	(Contractor)	" " "
Wurth Concrete & Aggregates, Inc.	Menominee	" " "

MIDLAND

2nd, (W), Bromine (1st), Magnesium Compounds (3rd), Calcium Chloride (2nd), Salt, Iodine (1st), Petroleum, Potash, Sand and Gravel, Natural gas, Natural Gas liquids.

The Dow Chemical Co.	Midland	Bromine, magnesium compounds, calcium chloride, salt, iodine, potash
Fisher Sand & Gravel Co.	NE NW 19 14N 2E	Sand and gravel
Kaiser Aluminum & Chemical Co.	Midland	Magnesium compounds

MISSAUKEE

36th, (W), Petroleum (7th), Natural Gas (7th), Natural Gas Liquids, Sand and Gravel.

Pickitt & Schreuer	Sand and gravel
--------------------	-----------------

MONROE

7th, (W), Cement (2nd), Stone, Clay (3rd), Petroleum, Peat.

George Alber	Petersburg	Peat (Humus)
Appleman Peat Co.	E½ SW 17 7S 7E	Peat (Humus, reed-sedge)
Dundee Cement Co.	NE NE 1 6S 6E	Cement
" " " "	NE 1 6S 6E	Limestone & clay
" " " "	NW 6 6S 7E	" " "
France Stone Co.	SE 7 7S 9E	Dolomite, crushed
Michigan Stone Co.:		
Maybee Quarry	29 5S 8E	Dolomite, crushed
Ottawa Lake Quarry	SW 25 8S 6E	" " "
Monroe Co. Road Comm.	SW 13 6S 7E	" " "
F. W. Ritter & Sons, Co.	SE 16 5S 10E	Clay, pottery

MONTCALM

45th, \$979,945, Petroleum, Sand and Gravel, Natural Gas.

Cousineau Gravel, Inc.	Howard City	Sand and gravel
Dyer Co.	McBrides, Stanton,	
	Various	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Montcalm Co. Rd. Comm.	NE SE 13 10N 6W	" " "
" " " " "	NE NE 24 10N 6W	" " "
" " " " "	NE NW 10 11N 8W	" " "
" " " " "	SE SE 8 12N 5W	" " "
Transit-Mix Cement Co.	Greenville	" " "

MARQUETTE (cont'd.), MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONROE, MONTCALM

MONTMORENCY

82nd, \$3,000, Sand and Gravel.

Gilliland Constr. Co.	Hillman	Sand and gravel.
-----------------------	---------	------------------

MUSKEGON

29th, \$2,168,341, Salt, Sand and Gravel, Petroleum, Natural Gas.

Hooker Chemical Co.	30 12N 17W	Salt
Paul C. Miller	Harrisburg	Sand and gravel
Nugent Sand Co.	NE 3 9N 17W	Sand, industrial
Sand Products Corp.	E½ 28 10N 17W	" "
Whitehall Gravel Co.	NW 27 12N 17W	Sand and gravel

NEWAYGO

67th, \$187,112, Sand and Gravel, Petroleum, Natural Gas.

Cousineau Gravel, Inc.	NW SE 18 12N 11W	Sand and gravel
" " "	SE 4 13N 12W	" " "
" " "	Cousineau pit, Baldwin	" " "
" " "	Mead pit, Newaygo	" " "
" " "	Kailing pit, Big Rapids	" " "
" " "	Pete's pit, Grant	" " "
K - V Gravel Co.	NE NW 21 12N 12W	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Newaygo Co. Road Comm.		" " "

OAKLAND

15th, \$8,002,798, Sand and Gravel (1st, 16.3%), Petroleum, Peat.

American Aggregates Corp.	NE NW 22 5N 10E (HMS)	Sand and gravel
American Stone Products	Clarkston	" " "
Richard Beagle Sand & Gravel	NE 8 3N 11E	" " "
" " " " "	SE 8 2N 8E	" " "
" " " " "	NW NW 7 3N 9E	" " "
Dachille Trucking Co.	Pontiac	" " "
Dan's Peat Farm	SE SW 12 1N 8E	Peat (moss)
Faulkender Sand & Gravel	SW NE 24 3N 11E	Sand and gravel
Fletcher & Rickard	NE NW 11 1N 7E	Peat (humus)
		Sand and gravel
Holloway Sand & Gravel Co., Inc.	Wixom (2 pits)	" " "
" " " " " "	Auburn Heights	" " "
Holly Sand & Gravel Div.	NE SE 32 5N 8E (HMS)	" " "
Jennings, Inc.	Holly (Final year)	" " "
John R. Sand & Gravel Co.	SE 4 4N 10E (Final year)	" " "
Kemler Brothers	SW SW 36 5N 11E	" " "
Koenig Coal & Supply Co.	NW 1 3N 8E	" " "
" " " " "	SW SE 24 5N 10E (HMS)	" " "
Lyon Sand & Gravel Div.	NW NE 13 1N 7E (HMS)	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Mickelson Corp.	NE SE 20 5N 10E	" " "
New Hudson Sand & Gravel	NW NE 33 2N 7E	" " "
Oxford Mining Co.	4 4N 8E	" " "
Oakland Co. Rd. Comm.	SW SE 36 5N 11E	" " "
" " " " "	SE SE 9 2N 8E	" " "
" " " " "	SE SW 32 5N 9E	" " "
" " " " "	SE SW 8 4N 8E	" " "
" " " " "	NW NW 1 3N 10E	" " "
Salem Gravel & Constr. Co.	E½ NE 2 4N 9E	" " "

OAKLAND (Contd.)

South Flint Gravel Co.	Holly	Sand and gravel
Tanner & Phillips Sand & Gravel	Pontiac	" " "
Underwood Sand & Gravel	SW 2 3N 10E	" " "
" " " "	SE 11 3N 8E	" " "
Walker Sand & Gravel	NE SW 35 2N 7E (HMS)	" " "
" " " "	SE SW 2 2N 11E	" " "
F. S. Ward	NW NE 7 3N 9E	" " "
Weber's Sand & Gravel	Pontiac	" " "
Wilkinson Sand & Gravel Co.	SE NW 35 3N 10E	" " "

OCEANA

48th, \$660,048, Sand and Gravel, Petroleum.

Beckman Brothers	NE SW 24 14N 17W	Sand and gravel
Cousineau Gravel, Inc.	NE NE 4 13N 15W	" " "
" " "	Syers pit, Hesperia	" " "
Paul C. Miller	Syers pit, Hesperia	" " "
Oceana Co. Road Comm.	SE NE 35 14N 15W	" " "
Syers Gravel Co.	NE 11 14N 18W	" " "
" " " "	NE SE 4 13N 15W	" " "
" " " "	NW 4 13N 15W	" " "
" " " "	SW 3 13N 15W	" " "
" " " "	NE NE 4 13N 15W	" " "

OGEMAW

44th, \$1,044,708, Petroleum, Natural Gas, Sand and Gravel.

Ehinger Brothers	West Branch	Sand and gravel
Ogemaw Co. Road Comm.	NE SE 3 21N 1E	" " "
" " " "	NE SE 6 21N 2E	" " "
" " " "	NW SW 5 22N 2E	" " "
" " " "	NE SE 6 22N 2E	" " "
" " " "	NW SE 33 22N 3E	" " "
Gilliland Constr. Co.	NE SE 6 22N 2E	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "

ONTONAGON

3rd, \$44,013,749, Copper (1st), Silver, Sand and Gravel.

Caspian Constr. Co.	NW SE 34 49N 42W	Sand and gravel
Fox Valley Constr. Co.	Fisher pit, Bergland	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Ontonagon Co. Road Comm.		" " "
White Pine Copper Co.:		
White Pine Mine	4, 5, 9, 50N 42W	Copper & Silver

OSCEOLA

32nd, \$2,018,087, Petroleum (8th), Natural Gas Liquids (4th), Sand and Gravel, Natural Gas.

Cousineau Gravel, Inc.	Osceola pit, Evart	Sand and gravel
" " " "	White pit, Evart	" " "
C. Stanley Hooker	NW NE 24 20N 10W	Marl
J. P. Burroughs & Son, Inc.:		
Hersey Sand & Gravel Div.	NW SW 20 17N 9W (HMS)	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "

OSCODA

80th, \$23,687, Sand and Gravel, Petroleum.

Oscoda Co. Road Comm. Sand and gravel.

77th, \$37,209, Sand and Gravel
Natural Gas.OTSEGO

Hutchins Sand & Gravel Co.	SE NE 17 29N 3W	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Otsego Co. Road Comm.	NW NE 29 31N 3W	" " "
" " " "	NW NW 3 31N 3W	" " "
" " " "	NW SW 2 30N 3W	" " "
" " " "	SW NW 16 29N 3W	" " "

OTTAWA

27th, \$2,783,948, Sand and Gravel, Petroleum, Natural Gas, Marl.

Construction Aggregates Corp.	SW NE 17 8N 16W (HMS)	Sand and gravel
" " "	7 7N 14W	" " "
Henry DeWent	SW SW 22 6N 13W	" " "
Grand Valley Gravel Co.	NE NE 32 7N 13W	" " "
Holloway Sand & Gravel Co.	Jenison	" " "
Huizenga Gravel Co.	24 5N 15W	" " "
Tom Johnston Gravel Co.	SW NE 16 8N 16W (HMS)	" " "
" " " "	SE 7 7N 14W	" " "
Henry Koster	23 6N 13W	Marl
Ralph Meyers	Hudsonville	Marl
Muskegon Gravel Co.		Sand and gravel
Ottawa Co. Road Comm.	NE SW 24 5N 15W	" " "
" " " "	NW NE 22 6N 13W	" " "
" " " "	NE 36 5N 13W	" " "
Pickitt & Schreur		" " "
Standard Sand Co.	NW 4 7N 16W	Sand, industrial
Riverview Gravel Co.	Jenison	Sand and gravel
West Shore Constr. Co.	SW SW 2 6N 13W	" " "

PRESQUE ISLE

Gilliland Constr. Co.	NE NE 23 34N 6E	Sand and gravel
" " "	SE SW 28 34N 3E	" " "
Holloway Sand & Gravel Co.		" " "
Michigan Limestone Operation,		
U. S. Steel	23 35N 5E	Limestone, crushed
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Onaway Stone Co.	5 34N 2E	Limestone, dimensional
Presque Isle Co. Road Comm.	NE NE 19 33N 5E	Sand and gravel
" " " "	SW SE 18 35N 2E	" " "
Presque Isle Corp.	2 33N 8E	Limestone, crushed
Straits Aggregate & Equipment Corp.	NE NW 19 34N 4E	Sand and gravel
" " " "	NW SW 26 35N 5E	" " "

ROSCOMMON

46th, \$933,093, Petroleum, Natural Gas (6th), Sand and Gravel, Natural Gas Liquids.

Beckett Excavating	Roscommon	Sand and gravel
Gilliland Constr. Co.	9 Mi. Hill pit,	" " "
" " "	Roscommon	" " "
" " "	Nelville pit, Houghton L.	" " "

ROSCOMMON (Contd.)

Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Delmar Stanley Gravel Co.	SE SE 24 24N 4W	" " "
Jess Stanley Gravel	SW SW 3 22N 4W	" " "
" " "	SW NE 24 22N 4W	" " "

SAGINAW

55th, \$449,643, Clay (for cement mfg.), Petroleum, Lime, Sand and Gravel.

Aetna Portland Cement Co.	SW 35 12N 3E	Clay (for cement mfg.)
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Michigan Sugar Co.	Carrollton	Lime (for sugar mfg.)

ST. CLAIR

8th, \$21,422,482, Salt, Natural Gas (1st), Cement, Petroleum (4th, 5.5%), Natural Gas Liquids (1st, 41%), Sand and Gravel, Clay, Peat.

Click Bros. Gravel	NE NW 27 7N 15E	Sand and gravel
Diamond Crystal Salt Co.	31 5N 17E	Salt, evaporated
Holloway Sand & Gravel, Inc.		Sand and gravel
Mid-Michigan Materials, Inc.	Jeddo	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Molesworth Contracting	N $\frac{1}{2}$ SW 29 8N 15E	" " "
" " "	NW NW 5 8N 16E	" " "
Morton Salt Co.	SE 29 6N 17E	Salt, evaporated
Peerless Cement Co.	Port Huron	Portland cement mfg.)
" " "	32 6N 16E	Clay (for cement mfg.)
St. Clair Co. Road Comm.		Sand and gravel

ST. JOSEPH

61st, \$266,248, Sand and Gravel, Marl, Peat.

Aggregate Processors, Inc.	NE 7 8S 11W	Sand and gravel
Cole Brothers	(for county)	" " "
Coy Drake	12 5S 12W	Marl
Kerr's Peat Moss	Three Rivers	Peat (reed-sedge)
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Paas Brothers	Three Rivers	" " "
Pickitt & Schreur		" " "
Roberts Brothers Marl	Kerr pit, Three Rivers	Marl
St. Joseph Co. Road Comm.	(Contractor)	Sand and gravel
Clifford Williams	Kirby pit, Nottawa	Marl

SANILAC

56th, \$420,063, Sand and Gravel, Lime, Peat.

William Albrecht, Jr.	SW SE 31 12N 13E	Sand and gravel
Great Lakes Peat Moss Co.	11 11N 14E	Peat
Green Thumb Peat Co., Inc.	NW SW 2 11N 14E	Peat
Holloway Sand & Gravel		Sand and gravel
Michigan Peat, Inc.	NE NE 21 14N 14E	Peat
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Michigan Sugar Co.	Croswell	Lime (for sugar mfg.)
Mid-Michigan Materials, Inc.	SE SE 31 9N 16E	Sand and gravel
Molesworth Contracting	Bad Axe	" " "
Sanilac Co. Road Comm.	NW SE 18 14N 16E	" " "
" " " "	SE SW 3 13N 14E	" " "

OSCODA, OTSEGO, OTTAWA,
PRESQUE ISLE, ROSCOMMON, SAGINAW,
ST. CLAIR, ST. JOSEPH, SANILAC

SANILAC (Contd.)

Sanilac Co. Road Comm.	NE NW 32 12N 15E	Sand and gravel
" " " "	SE SW 31 12N 13E	" " "
" " " "	SW NW 32 12N 12E	" " "
" " " "	SW NW 14 11N 15E	" " "
" " " "	NW SW 21 11N 14E	" " "
" " " "	N $\frac{1}{2}$ SE 20 11N 12E	" " "
" " " "	NE NW 2 10N 14E	" " "
" " " "	SE NE 25 10N 16E	" " "

SCHOOLCRAFT

83rd, \$2,000, Sand and Gravel.

Schoolcraft Co. Road Comm.	SE SW 7 41N 17W	Sand and gravel
----------------------------	-----------------	-----------------

SHIAWASSEE

52nd, \$552,522, Sand and Gravel, Clay & Shale, Peat.

Al-Par Peat Co.	Ovid	Peat
Fred Fitzgerald Gravel Co.	Owosso	Sand and gravel
Fuoss Gravel Co.	SE NW 9 6N 3E	" " "
Gillette Sand and Gravel	Shaftsburg	" " "
Grand River Gravel Co.	SW SW 30 6N 3E	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Mich. Vittrified Tile Co.	SE 22 7N 3E	Shale (for tile mfg.)
Polhamus Gravel Co.	SW SE 16 7N 1E	Sand and gravel
Shenk Gravel Co.	NE NE 2 6N 4E	" " "
Jess Stanley Gravel	W $\frac{1}{2}$ NE 16 5N 2E	" " "
Ronald Weaver Gravel Co.	NW NE 16 5N 2E	" " "
" " " "	SE NE 16 5N 2E	" " "
" " " "	NW NE 3 6N 2E	" " "
" " " "	NE SW 20 7N 2E	" " "
" " " "	SW SE 16 7N 1E	" " "

TUSCOLA

31st, \$2,058,021, Sand and gravel, Petroleum, Lime, Peat.

Andersen Sand & Gravel	NW SW 19 11N 9E	Sand and gravel
" " " "	NE NE 20 11N 9E	" " "
Bernthal Sand & Gravel	SW SE 6 11N 9E	" " "
Comstock Constr. Co.	8 11N 10E	" " "
" " " "	9 11N 9E	" " "
Great Lakes Foundary Sand Co.	SW SW 28 12N 8E	Sand, industrial
Holloway Sand & Gravel Co.		Sand and gravel
Michigan Sugar Co.	Caro	Lime (for sugar mfg.)
Peterhans Bros. S. & G.	SW NE 35 13N 9E	Sand and gravel
Powell Sand & Gravel	23 13N 7E	" " "
Rushland Peat Co.	Juniata	Peat
Sargent Sand Co.	5 10N 9E	Sand and gravel
" " " "	NW 1 11N 8E	Industrial sand
Tuckey's Sand & Gravel	33 14N 10E	Sand and gravel
" " " "	SE SW 4 13N 11E	" " "
Tuscola Co. Road Comm.	NE NE 2 11N 9E	" " "
" " " "	NW NW 16 13N 10E	" " "
" " " "	SW NW 13 12N 8E	" " "
" " " "	SW SE 33 14N 11E	" " "
" " " "	SW NE 33 10N 9E	" " "

VAN BUREN

63rd, \$258,041, Sand and Gravel, Petroleum, Marl.

Clarence Harter	33 2S 13W	Marl
Holloway Sand & Gravel Co., Inc.		Sand and gravel
Klett Constr. Co.	SE NW 24 3S 14W	" " "
Standard Sand Co.	NE 5 2S 17W	Sand, industrial
Van Buren Co. Road Comm.	(Contractor)	Sand and gravel
John G. Yerington	NE NE 33 4S 15W	" " "
" " "	SE SE 12 3S 15W	" " "
" " "	SW NW 11 3S 15W	" " "

WASHTENAW

30th, \$2,151,983, Sand and Gravel, Natural Gas Liquids (3rd), Petroleum, Natural Gas.

O. E. Gooding & Co.	NE NE 15 3S 6E	Sand and gravel
" " " "	SW NE 19 2S 7E	" " "
Holloway Sand & Gravel Co.		" " "
Killins Gravel Co.	SE SE 25 2S 3E	" " "
" " " "	SW SW 25 2S 5E (HMS)	" " "
Kruse Gravel Pit	SW SW 32 2S 7E	" " "
Pickitt & Schreur	NW 26 3S 7E	" " "
Portage Lake Gravel	Dexter	" " "
Thumm's Sand & Gravel	NW NW 25 3S 7E	" " "
Washtenaw Co. Road Comm.		" " "
Washtenaw Sand & Gravel	Ann Arbor	" " "
Whittaker & Gooding	SW NW 10 2S 5E (HMS)	" " "

WAYNE

5th, \$40,429,058, Cement (3rd), Salt (1st), Lime (1st), Sand and Gravel, Clay (2nd), Stone, Sulfur, Natural Gas (8th), Calcium Chloride (5th), Petroleum.

A.B.C. Sand Co.	Nankin	Sand, fill
Allied Chemical Corp.	Trenton	Lime
Clippert Brick & Tile Co.	NW 21 2S 11E	Clay, brick
Detroit Lime Co.	River Rouge	Lime, (limekiln only)
Flat Rock Clay Prod. Co.	NW SE 30 4S 10E	Clay, tile
Hayes Washed Sand & Gravel Co., Inc.	SE NE 8 1S 8E	Sand and gravel
S. G. Hayes Land Level Co.	Northville	" " "
Holloway Sand & Gravel Co.	NW NW 18 1S 8E	" " "
International Salt Co., Inc.	SW 32 2S 11E	Rock Salt
Lighthouse Aggregate Corp.	NE 27 1S 9E	Clay, light weight aggregate
Manning & Locklin Gravel Co.	NW SW 2 1S 8E	Sand and gravel
Marathon Oil Co.	Detroit	Sulfur
Mich. Foundation Quarry Co.	NE NW 7 4S 11E	Limestone, crushed
Mich. Gypsum Co.	N $\frac{1}{2}$ SE 36 4S 9E	Silica sand
Michigan Silica Co.	SW NE 15 5S 10E	Silica sand
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Molesworth Contracting Co.	Dearborn	" " "
Moore Bros. Sand & Gravel	E $\frac{1}{2}$ SE 9 3S 9E	" " "
Al Morgan Sand Co.	Romulus	Sand
Nankin Sand Co.	Plymouth	Sand
Northville Sand & Gravel	SE NE 8 1S 8E	Sand and gravel
Peerless Cement Corp.	Detroit (2 plants)	Cement
Pennsalt Chemicals Corp.	Wyandotte	Salt (brine for chlorine mfg.)

Telischak Sand & Gravel Livonia

WAYNE (Contd.)

Thomson Sand & Gravel
Wayne Sand & Gravel Co.
Wyandotte Chemical Corp.
Marblehead lime Co.

NW NE 8 1S 8E
NW SE 12 3S 8E
Wayndotte
River Rouge

Sand and gravel
" " "
Salt, cement, lime
Lime (Limekiln only)

WEXFORD

70th, \$122,407, Sand and Gravel, Natural Gas.

Mich. State Hwy. Dept.
Towns Trucking Co.
Wexford Co. Road Comm.
Wexford Gravel Co.

(Contractor)
SW NW 15 21N 12W
(Contractor)
Cadillac

Sand and gravel
" " "
" " "
" " "

UNDISTRIBUTED

Peat*, Sand and Gravel, Mineral Pigments.

The Cleveland Cliffs Iron Co.
Pickands Mather & Co.
U. S. Department of Agriculture

Mineral pigments
" "
Sand and gravel.

*Peat producers are listed in county breakdown. Individual or county production and value data not available.



Cons. 7702

