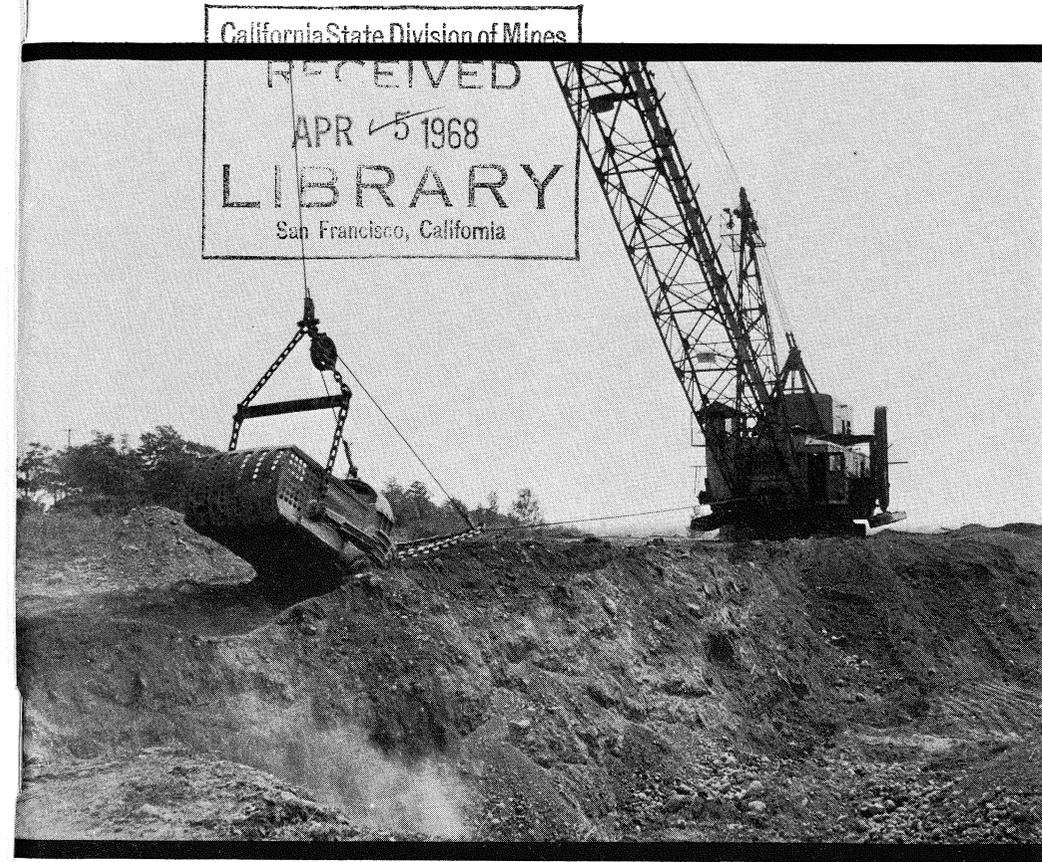


# MICHIGAN MINERAL PRODUCERS 1966



**Department of Conservation  
ANNUAL DIRECTORY 2**

**Geological Survey  
1967**



MICHIGAN  
MINERAL PRODUCERS  
1966

COMPILED BY  
J.R. BYERLAY

LANSING  
OCTOBER, 1967

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PREFACE

Michigan Mineral Producers is a record of the names, addresses, and plant, pit, mine, quarry, or mill locations of all mineral producers in Michigan during 1966. It is prepared as a directory 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 Michigan Mineral Producers. In its present form, Michigan Mineral Producers, 1966, (Annual Directory 2) is identical in content to the 1963 thru 1965 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.

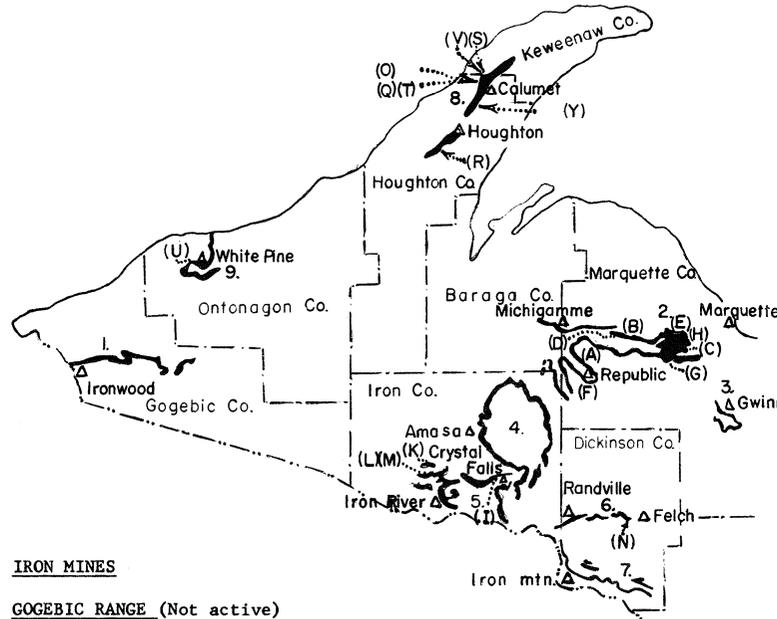
Lansing  
 October, 1967

John R. Byerlay  
 Geologist  
 Mining & Economic Geology

**ACTIVE MINES IN MICHIGAN'S  
IRON AND COPPER DISTRICTS**

1967

(A) 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 (Closing 12/23/67)
- (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
- (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
- (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
- (Y) Tamarack

**METALLIC MINING OPERATIONS**

**IRON MINES AND PITS**  
(Active mines in 1965)

Range-Dist. & Map Symbol	Mine	Company	Mine Location
<b>GOGEBIC (Not Active)</b>			
<b>MARQUETTE</b>			
(A)	Champion	North Range Mining Co. First National Bank Bldg. Negaunee, Michigan 49866	1 Mi. S. of Champion, in the SE¼, SW¼, Sec. 31 T48N, R29W <u>MARQUETTE COUNTY</u>
(B)	Cliffs Shaft (Will close 12/23/67)	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>
<b>GWINN (Not Active)</b>			
<b>AMASA-OVAL (Not Active)</b>			
<b>IRON RIVER-CRYSTAL FALLS</b>			
(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.)

(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	½ 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	½ 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>
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EAST MENOMINEE (Not Active)

COPPER MINES AND RECLAMATION PLANTS

NATIVE COPPER ORE

(O)	Allouez #3	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	Ahmeek, Mich. in Sec. 32, T57N, R32W <u>KEWEENAW COUNTY</u>
(Q)	Centennial #3 & 6	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	1.5 Mi. NE of Calumet, in SE½ Sec. 12, T56N, R33W. <u>HOUGHTON COUNTY</u>
(S)	Kingston	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	Ahmeek, Mich. in SE½, 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. Mine <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 (Reclamation) <u>KEWEENAW COUNTY</u>

COPPER SULFIDE ORE

(X)	Freda Mill	Copper Range Co. P. O. Box 232 Painesdale, Michigan 49955	Freda, Mich. in NW¼ Sec. 25, T55N, R36W (Reclamation) <u>HOUGHTON COUNTY</u>
(Y)	Tamarack	Calumet & Hecla, Inc. Calumet Avenue Calumet, Michigan 49913	SW of Hubbell, in NW¼ Sec. 13, T55N, R33W <u>HOUGHTON COUNTY</u> (Reclamation)

IRON, COPPER

NON-METALLIC MINING OPERATIONS

CEMENT

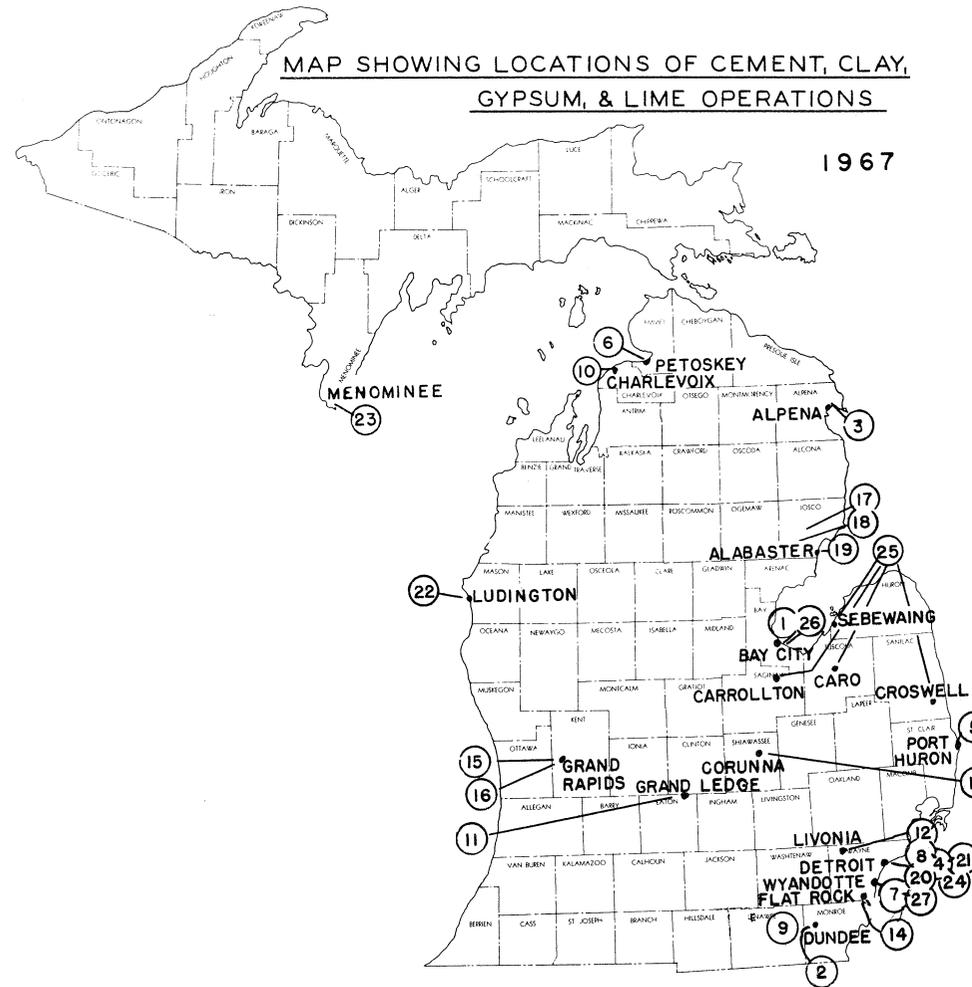
<u>Name of Operation</u>	<u>Map Location Symbol (See Map 1)</u>	<u>Plant Location</u>
Aetna Portland Cement Co. Div. Martin-Marietta Corp. P. O. Box No. 8 Bay City, Michigan 48706	(1)	3 Mi. NE of Bay City at Essexville, NE½ Sec. 14, T14N, R5E; raw material obtained from Rogers City area. <u>BAY COUNTY</u> (Clay pit 4 Mi. W. of Saginaw)
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> (Use clay from overburden)
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> (Paxton shale quarry 8 Mi. W. of Alpena NE 30 31N, 7E)
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 (Use Ford clay pit) <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> (Clay pit at Smiths Creek)
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> (Shale Quarry at Ellsworth)
Wyandotte Chemical Corp. 1609 Biddle Ave. Wyandotte, Michigan 48192	(7)	Wyandotte, Mich. (plant) Raw material from Rogers City area. <u>WAYNE COUNTY</u>
Medusa Portland Cement Co. Box 71 Charlevoix, Michigan 49720	(10)	2 Mi. West of Charlevoix <u>CHARLEVOIX COUNTY</u>

CLAY\* AND CLAY PRODUCTS

<u>Name of Operation &amp; Map Symbol</u>	<u>Material and Product</u>	<u>Property Location</u>
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>
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</u>

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

1967



CEMENT

1. Aetna Portland
2. Dundee
3. Huron Portland
4. Peerless-Detroit (2 plants)
5. Peerless-Port Huron
6. Penn-Dixie
7. Wyandotte Chemical
10. Medusa Portland

CLAY AND CLAY PRODUCTS

8. Clippert Brick & Tile
9. Comfort Brick & Tile
11. Grand Ledge Clay Prod.
12. Lightweight Aggregate Corp.
13. Michigan Vitriified Tile
14. F. W. Ritter & Sons

GYPSUM

15. Bestwall Gypsum
16. Grand Rapids Gypsum
17. National Gypsum
18. Michigan Gypsum
19. U. S. Gypsum

LIME

20. Allied Chemical
21. Detroit Lime Co.
22. Dow Chemical-Ludington
23. Limestone Prod. Div.
24. Marblehead Lime. Co.
25. Michigan Sugar Co.
26. Monitor Sugar Div.
27. Wyandotte Chemical

CLAY AND CLAY PRODUCTS (Contd.)

Name of Operation & Map Symbol	Material and Product	Property Location
Lightweight Aggregate Corp. (12) 12720 Farmington Rd. Livonia, Michigan 48150	Clay, light-weight aggregate	1 Mi. S. of Livonia, in Sec. 27, T1S, R9E <u>WAYNE COUNTY</u>
The Mich. Vitriified Tile (13) P. O. Box 450 Findlay, Ohio 45840	Shale, Tile	½ Mi. E. of Corunna, in Sec. 22, T7N, R3E <u>SHIAWASSEE COUNTY</u>
F. W. Ritter & Sons Co., Inc. (14) South Rockwood, Mich. 48179	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. See Cement.

GYPSUM

Name of Operation & Map Loc.	Mine or Quarry Location	Mill Loc.
Bestwall Gypsum Co., Div. (15) Georgia-Pacific Corp. Commonwealth Bldg. Portland, Oregon 97204	1 Mi. SW of Grand Rapids in SW¼ Sec. 34, T7N, R12W. Mine and Mill <u>KENT COUNTY</u>	At mine 2228 Butterworth Rd. SW Grand Rapids, Mich. 49501
Grand Rapids Gypsum Co. (16) P. O. Box 1674 Grand Rapids, Mich. 49501	SW side Grand Rapids in Sec. 34, T7N, R12W, Mine & Mill <u>KENT COUNTY</u>	At mine
National Gypsum Co. (17) 325 Delaware Ave. Buffalo, New York 14202	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. (18) 2840 Bay Road Saginaw, Michigan 48601	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. (19) 101 S. Wacker Drive Chicago, Illinois 60606	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) Industrial Chemicals Div. P. O. Box 70 Morristown, New Jersey 07960	Detroit, Limekiln only <u>WAYNE COUNTY</u>
Detroit Lime Co. (21) (subsidiary, Ed. C. Levy Co.) 8800 Dix Ave. Detroit, Michigan 48209	River Rouge, Limekiln only <u>WAYNE COUNTY</u>
The Dow Chemical Co. (22) Ludington Division Midland, Michigan 48640	Ludington, Limekiln only <u>MASON COUNTY</u>

LIME (Contd.)

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

NATURAL SALINES

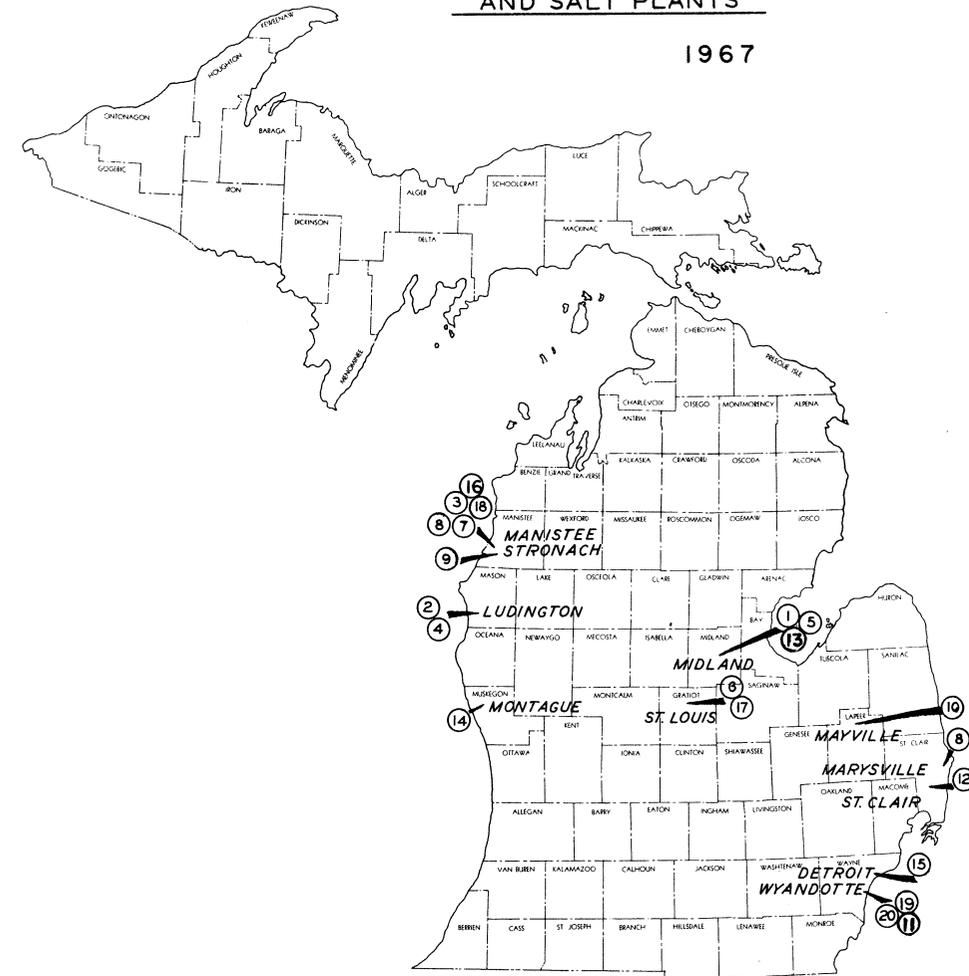
Name of Operation	Products	Plant Location
The Dow Chemical Co. Midland, Michigan 48640	Bromine, bromine compounds, magnesium compounds, calcium chloride, potash, iodine	South side of Midland T41N, R2E <u>MIDLAND COUNTY</u>
The Dow Chemical Co. Midland, Michigan 48640	Bromine, Magnesium compounds, calcium chloride	1 Mi. SE of Ludington in SW 23, 18N, 18W <u>MASON COUNTY</u>
Great Lakes Chemical Corp. Box 2200 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. 2 North Riverside Plaza Chicago, Illinois 60606	Bromine, magnesium compounds, calcium-Magnesium chloride	W. side of St. Louis in Sec. 24 T12N, R3W <u>GRATIOT COUNTY</u>
Michigan Chemical Corp. 2 North Riverside Plaza Chicago, Illinois 60606	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. Div. of Morton Int'l. Inc. 110 N. Wacker Dr. Chicago, Illinois 60606	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>		
American Salt Corp. 3142 Broadway Kansas City, Missouri 64111	Evaporated salt	Midland, Mich. Raw material from Dow Chemical <u>ST. CLAIR COUNTY</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 Detroit Mine: 12841 Saunders St. Detroit, Mich. 48217	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. 2 North Riverside Plaza Chicago, Illinois 60606	Evaporated salt	St. Louis, Mich. <u>GRATIOT COUNTY</u>
Morton Salt Co. Div. Morton Int'l. Inc. 110 N. Wacker Drive Chicago, Illinois 60606	Evaporated salt	Manistee, Mich. E½ Sec. 12, T21N, R17W <u>MANISTEE COUNTY</u>
Morton Salt Co. Div. Morton Int'l. Inc. 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

1967



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.

SALT (Contd.)

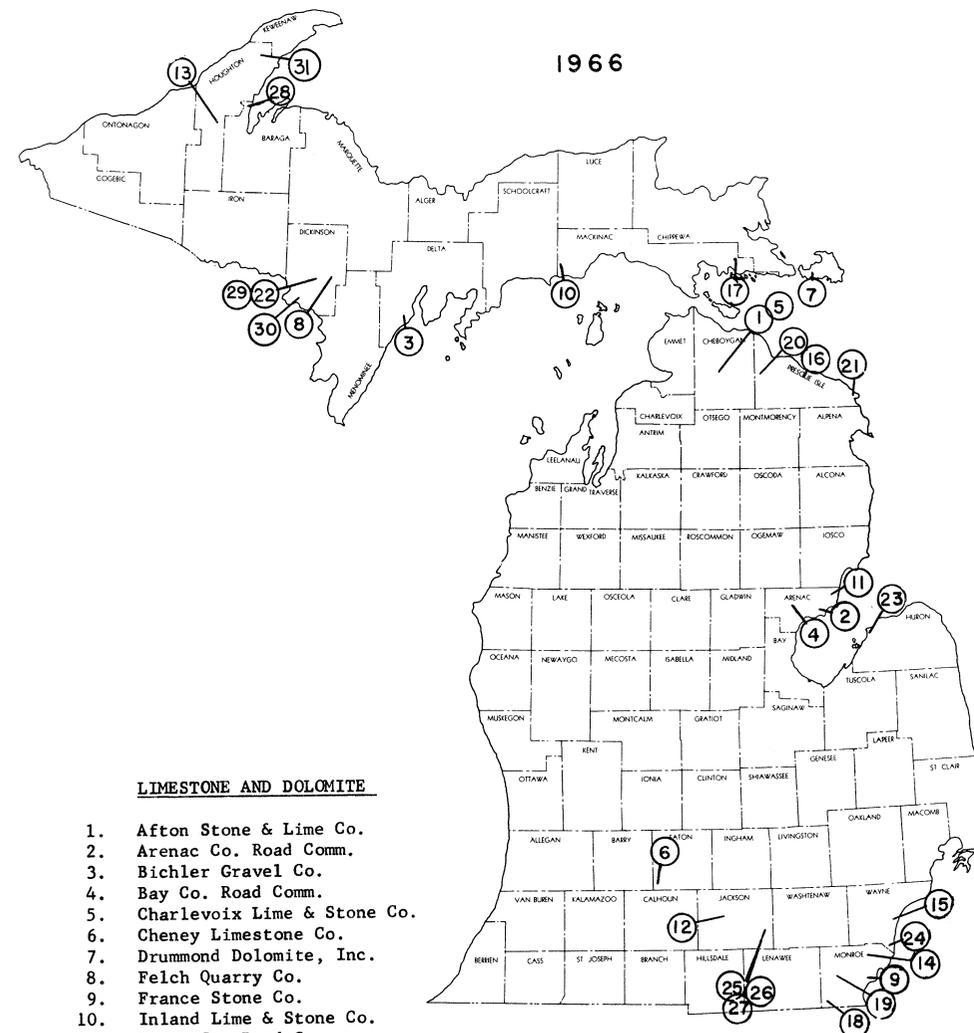
<u>Name of Operation</u>	<u>Products</u>	<u>Plant Location</u>
Pennsalt Chemical Corp. 3 Penn Center Philadelphia, Pa. 19102	Salt brine (chlorine, caustic soda, hydrogen)	Wyandotte, Mich. <u>WAYNE COUNTY</u>
Wyandotte Chemical Corp. 1609 Biddle Ave. Wyandotte, Michigan 48192	Salt brine (chlorine, soda ash)	Wyandotte, Mich. <u>WAYNE COUNTY</u>

STONE

LIMESTONE\* AND DOLOMITE

<u>Name of Operation &amp; Map No.</u>	<u>Type of Stone</u>	<u>Quarry Location</u>
Afton Stone and Lime Co. (1) Afton, Michigan 49705	Limestone, crushed	North of Afton, Sec. 25, T35N, R2W. <u>CHEBOYGAN COUNTY</u>
Arenac Co. Rd. Comm. (2) Omer, Michigan 48749	Limestone, crushed	Northeast of Au Gres Sec. 5, T19N, R7E <u>ARENAC COUNTY</u>
Bichler Gravel Co. (3) Box 205 Wells, Michigan 49894	Limestone, crushed	Sec. 2 & 14, T39N, R23W <u>DELTA COUNTY</u>
Bay Co. Rd. Comm. (4) Bay City, Michigan 48706	Limestone, crushed	Near Omer Sec. 34, T20N, R5E <u>ARENAC COUNTY</u>
Charlevoix Lime & Stone Co. (5) Vanderbilt, Michigan 49795	Limestone, crushed	North of Afton Sec. 25, T34N, R2W <u>CHEBOYGAN COUNTY</u>
Cheney Limestone Co. (6) P. O. Box 125 Bellevue, Michigan 49021	Limestone, crushed and dimensional	West of Bellevue Sec. 20, T1N, R6W <u>EATON COUNTY</u>
Drummond Dolomite, Inc. (7) P. O. Box 848 Sheboygan, Wisconsin 53081	Dolomite, crushed	West end Drummond Island, Sec. 3 & 10, T41N, R5E <u>CHIPPEWA COUNTY</u>
Felch Quarry Company (8) Div. North Range Mining Co. Box 549 Negaunee, Michigan 49866	Dolomite, crushed	2½ Mi. E. of Felch, SE SW Sec. 26, T42N, R28W <u>DICKINSON COUNTY</u>
The France Stone Co. (9) 1800 Toledo Trust Bldg. Toledo, Ohio 43604	Dolomite, crushed	Monroe, Mich. Sec. 7, T7S, R9E <u>MONROE COUNTY</u>
Great Lakes Select Stone Prod. Co. (22) Sagola, Michigan 49881 (Formerly Superior Rock Prod.)	Dolomite, crushed	1 Mi. E. of Randville SW NW 35, 42N 30W <u>DICKINSON COUNTY</u>

MAP SHOWING LOCATION OF LIMESTONE, DOLOMITE,  
SANDSTONE & MISCELLANEOUS  
STONE OPERATIONS



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. Iosco Co. Road Comm.
12. Jeffrey Limestone Co.
13. Limestone Mountain Co.
14. Mich. Stone Co. (Maybee Qy)
15. Mich. Foundation Quarry Co., Inc.
16. Mich. Limestone Operation-Rogers City
17. Mich. Limestone Operation-Cedarville
18. Mich. Stone Co. (Ottawa Lake Qy)
19. Monroe Co. Road Comm.
20. Onaway Stone Co.
21. Presque Isle Corp.
22. Great Lakes Select Stone Prod. Co.
23. Wallace Stone Co.
24. Mich. Silica Co.
25. Original Sandstone Quarry
26. Ray's Stone Quarry
27. Star Stone Co.
28. Superior Natural Redstone Quarry

SANDSTONE

MISCELLANEOUS STONE

29. Crystal Rock Co. (cr. Granite)
30. Dickinson Co. Rd. Comm. (cr. Basalt)
31. Houghton Co. Road Comm. (cr. Basalt)

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 126 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) Napoleon, Michigan 49261	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 (28) Star Route, Box 185 Pelkie, Michigan 49958	Sandstone	10 Mi. North of Baraga, Sec. 2, T52N, R33W <u>BARAGA COUNTY</u>

MISCELLANEOUS STONE

Crystal Rock Co. (29) R#1 Iron Mountain, Mich.	Granite, crushed	Randville SE SW 34 42N 30W <u>DICKINSON COUNTY</u>
Dickinson Co. Road Comm. (30) Iron Mountain, Mich. 49801	Basalt, crushed	<u>DICKINSON COUNTY</u>
Houghton Co. Road Comm. (31) Royce Rd., Hancock, Mich. 49930	Basalt, crushed	Traprock Quarry <u>HOUGHTON COUNTY</u>

MARL

Name and Address of Producer	Map No.	Pit and County
Gerald Arnsmann, 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)	John Pung & Steve Demack pits, JACKSON CO.
Paw-Paw Lake Marl Co., R#2, Lawton 49065	(4)	Paw Paw Lake pit, KALAMAZOO CO.
LaVerne Brizendine, 308 Pennsylvania Ave. Dowagiac 49047	(5)	Riggs pit, CASS CO.
Case Brothers, R#2, Box 108-B, Union City 49094	(6)	Turtle Lake pit, CALHOUN CO.
Crosby Marl Co., B.W. Crosby, Three Oaks, 49128	(8)	23, 8S, 20W, BERRIEN CO.
Roland Cross, Allen 49227	(9)	Marshall pit, 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.
Hayward Dry Marl, R#2, Vicksburg 49097	(16)	8, 4S, 10W, KALAMAZOO CO.
John Hess, R#1, Hanover 49241	(17)	Palmer pit, 14, 5S, 3W, HILLSDALE 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.



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
	(39)	Moss, bulk	Sandusky	SANILAC
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)	reed-sedge, bulk & packaged	Three Rivers	ST. JOSEPH
Lester Link & Son RR#1 Petersburg, Michigan	(51)	Humus, bulk	Petersburg	MONROE
Lisk Nursery 943 Rosalie, N.W. Grand Rapids, Michigan	(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. R#1 Whig Road Adrian, Michigan	(50)	reed-sedge, packaged	Adrian	LENAWEE
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	Juniata	TUSCOLA
Scenic Lakes, Inc. P. O. Box 566 East Lansing, Mich.	(60)	Humus, bulk	Perry	SHIAWASSEE
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, Michigan	(55)	reed-sedge, bulk & packaged	Grand Rapids	KENT
Wicker's, Inc. 6498 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 48217	(58)	Detroit	WAYNE
Mobil Oil Co., Inc. Box 477 Trenton, Mich. 48183	(61)	Trenton	WAYNE

1966-67 SAND AND GRAVEL PRODUCERS

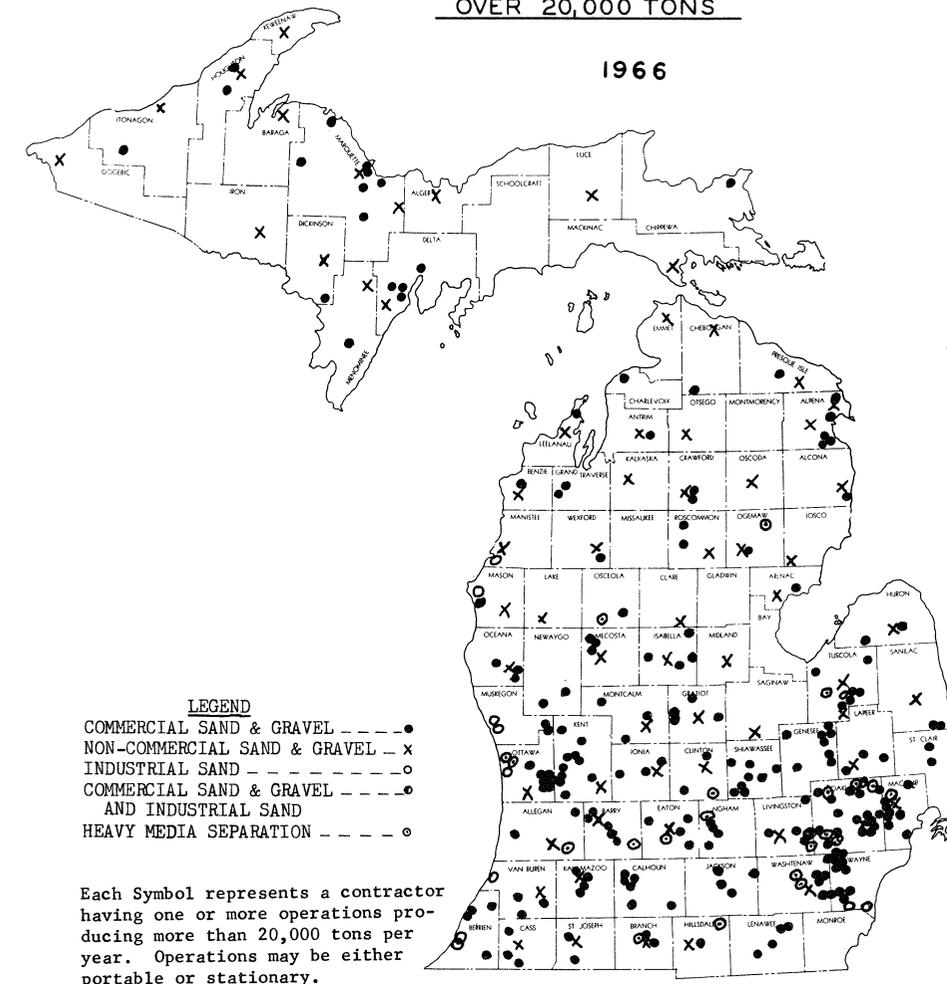
Name and Address (Michigan)	County
A.B.C. Sand Co., 36444 Cowan Rd., Nankin 48184	WAYNE
Adrian Sand & Gravel Co., (Geo. Oldfield, Inc.) Adrian 49221 (2 pits)	LENAWEE
Advance Bldg. Materials Co., 4500 31 Mile Rd., Romeo 48065	MACOMB
Aggregate Processors, Inc., Box 566, White Pigeon 49099	ST. JOSEPH
William Albrecht, Jr., Sandusky 48471	SANILAC
Alcona County Road Commission, Lincoln 48742	ALCONA
Alger County Road Commission, Box 231, Munising 49862	ALGER
Albert Gravel Co., Stow Rd., Fowlerville, Mich. 48836	LIVINGSTON
Allegan County Road Commission, R#1, Box 2, Allegan 49010	ALLEGAN
Alpena County Road Commission, Box 28, Alpena 49707	ALPENA
Alpena Paving Co., 214 Farr Ave., Alpena, Mich. 49707	ALPENA
American Aggregates Corp., Garst Ave. at Ave. B, Greenville, Ohio 45331	KALAMAZOO & LIVINGSTON (HMS), MACOMB (HMS), OAKLAND (HMS)
American Stone Products, 6335 Sashabow Rd., Clarkston 48016	OAKLAND
Andersen 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
Barry Co. Road Commission, P. O. Box 158, Hastings, Mich. 49058	BARRY
Norman & Leon Bartlett, R#3, East Jordan 49727	CHARLEVOIX
Battle Creek Gravel Co., 3800 Dickman Rd., Battle Creek 49015	CALHOUN
Richard Beagle Sand & Gravel, 1623 S. Commerce Rd., Walled Lake 48088 (4 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
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 48906 (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
Gil Brown Construction, Inc., R#2, Alpena, Mich. 49707	BARRY
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	DELTA, GOGEBIC, IRON, ONTONAGON, MARQUETTE
Cass County Road Comm., R#1, Box 175, Cassopolis	CASS

SAND AND GRAVEL (Contd.)

Name and Address (Michigan)	County
Champion, Inc., 105 E. "A" St., Iron Mountain 49801	DICKINSON, MARQUETTE
Cheney Gravel Co., 691 N. College Rd., Mason 48854	INGHAM
Clare Co. Road Comm., Harrison 48625	CLARE
Click Bros. Gravel, 8783 Bryce Rd., Goodells 48027	ST. CLAIR
Clinton County Road Comm., St. Johns 48879	CLINTON
Cloverland Milling & Supply Co., 801 Superior Ave., Gladstone 49837	DELTA
Coit Ave. Gravel Co., Inc., 4772 Coit Ave., N.E., Grand Rapids 49505	KENT
Cole Brothers, R#3, Box 368, Battle Creek 49017	BARRY, CALHOUN, ST. JOSEPH
Cole Gravel Co., R#1, Patterson Rd., Wayland 49348	BARRY
Emil Combs Gravel & Ready-Mix, R#1, Tekonsha 49092	CALHOUN
Comstock Constr. Co., 407 Main St., Essexville 48732	TUSCOLA
Constr. Aggregates Corp., 120 S. LaSalle St., Chicago, Ill. 60603 (HMS)	OTTAWA
Consumers Sand & Gravel Co., Nazareth Rd., P. O. Box 231, Kalamazoo 49001	KALAMAZOO
Contractors Gravel Co., 455 Bertha St., Comstock Park 49321	KENT
Corey & Hartwig, Inc., Hadley, Mich., 48440	LAPEER
Cousineau Gravel, Inc., 1104 S. State St., Big Rapids 49307	MECOSTA, MONTCALM, NEWAYGO, OSCEOLA
Crawford County Road Comm., 320 State St., Grayling 49738	CRAWFORD
Cross & White, 3849 Three Mile Rd., Grand Rapids 49500	KENT
D. & J. Gravel Co., R#2, 4950 Mason Rd., Howell 48843	LIVINGSTON
Delta County Road Comm., P. O. Box 298, Escanaba 49829	DELTA
Delton Excavating Co., Cloverdale 49035	BARRY
E. DeVries & Sons, 959 Bristol Ave., N.W., Grand Rapids 49504	KENT
Henry DeWent, U.S. #21, Hudsonville 49426	OTTAWA
Dickinson County Road Comm., P. O. Box 509, Iron Mountain 49801	DICKINSON
Bernard Dowling Trucking, R#1, Long Rapids Rd., Alpena 49707	ALPENA
Wayne Dubey Sand & Gravel, R#3, Alpena, Mich. 49707	ALPENA
Dyer Company, McBrides 48852	MONTCALM, KENT
Eastman Gravel Pit, R#1, 422 Stover Rd., Standish 48658	ARENAC
Eaton County Road Comm., P. O. Box 110, Charlotte 48813	EATON
H. Eckley, Pioneer, Ohio 43554	HILLSDALE
Ehinger Bros. Excavating Co., 350 M-30, West Branch 48661	OGEMAW
Emmet County Road Comm., Petoskey 49770	EMMET
Faulkender Sand & Gravel, Inc., 2925 Hamlin Rd., Utica, Mich. 48087	OAKLAND
Fenton Gravel Co., Inc., 11301 Fenton Hill Rd., Fenton 48430	LIVINGSTON
Ferguson Excavating Co., 5360 N. State Rd., Davison 48423	GENESEE
Fisher Supply Co., 1617 E. Jolly Rd., Lansing 48900	INGHAM
Fisher Sand & Gravel Co., 921 S. Jefferson Ave., Midland 48640	ISABELLA
Fred Fitzgerald Gravel Co., 3713 E. Six Mile Creek, Owosso 48867	SHIAWASSEE
Don Foster, Inc., 67550 Pashalk Rd., Richmond, Mich. 48062	MACOMB
Fox Valley Constr. Co., Box 827, Appleton, Wisconsin 54910	MARQUETTE, DELTA, BARAGA, ONTONAGON, MENOMINEE
B. L. French & Son, Hatchery Rd., Drayton Plains, Mich.	OAKLAND
Fuoss Gravel Co., R#1, Durand 48429	SHIAWASSEE
Genesee Gravel Co., Swartz Creek 48473	GENESEE
Jerry George Sand & Gravel, Inc., Harrisville 48740	ALCONA
Gillette Sand & Gravel, 9741 E. M-78, Haslett 48840	SHIAWASSEE
Gilliland Constr. Co., R#2, Alpena 49707	ALPENA
Gogebic County Road Comm., Courthouse, Bessemer 49911	GOGEBIC
O. E. Gooding & Co., (Whittaker & Gooding Co.), 5800 Cherry Hill Rd., Ypsilanti 48197	WASHTENAW
Grand Rapids Gravel Co., 2100 Chicago Dr., S.W., Grand Rapids, 49509	KENT

MAJOR SAND AND GRAVEL PRODUCERS

OVER 20,000 TONS



**LEGEND**  
 COMMERCIAL SAND & GRAVEL ---●  
 NON-COMMERCIAL SAND & GRAVEL ---x  
 INDUSTRIAL SAND ---○  
 COMMERCIAL SAND & GRAVEL  
 AND INDUSTRIAL SAND ---○  
 HEAVY MEDIA SEPARATION ---○

Each Symbol represents a contractor having one or more operations producing more than 20,000 tons per year. Operations may be either portable or stationary.

**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 SHORT TONS	
	NUMBER	PERCENT	SHORT TONS	PERCENT
0 to 25,000	140	35.9	1,678	3.7
25,000 to 50,000	80	20.6	2,813	6.3
50,000 to 100,000	56	14.4	4,022	9.0
100,000 to 200,000	57	14.7	8,197	18.4
200,000 to 300,000	27	6.9	6,609	14.9
300,000 to 400,000	10	2.6	3,417	7.7
400,000 to 500,000	4	1.0	1,801	4.1
500,000 to 600,000	3	.8	1,625	2.7
600,000 to 700,000	3	.8	1,932	4.3
700,000 to 800,000	2	.5	1,582	3.6
800,000 to 900,000	2	.5	1,739	3.9
900,000 to 1,000,000		.0		.0
1,000,000 and over	5	1.3	9,050	20.4
<b>TOTAL</b>	<b>389</b>	<b>100.0</b>	<b>44,465</b>	<b>100.0</b>

## SAND AND GRAVEL (Contd.)

Name and Address (Michigan)	County
Grand River Gravel Co., Box 494, Owosso 48867	SHIAWASSEE
Grand Valley Gravel Co., 10450 Linden Dr., R#5, Grand Rapids 49504	OTTAWA
Gratiot County Road Comm., Ithaca 48847	GRATIOT
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 48075	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 48096	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, GRATIOT
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
Ingham County Road Comm., Mason, Michigan 48854	INGHAM
Ionia County Road Comm., P. O. Box 76, Ionia 48846	IONIA
Iosco County Road Comm., P. O. Box 31, East Tawas, Mich. 48730	IOSEO
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 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
Jennings, Inc., 14300 Shields Rd., Holly, Mich. 48442	OAKLAND
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, NW, 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
Ketchum Gravel & Ready-Mix, Inc., 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 Fuel & 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
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
Lilac & Moore, East Jordan, Mich. 49727	CHARLEVOIX
A. Lindberg & Sons, Inc., Box 308, Ishpeming 49849	MARQUETTE
Livingston County Road Comm., 918 North St., Howell 48843	LIVINGSTON
Luce County Road Comm., P. O. Box 401, Newberry 49868	LUCE
Lynch Gravel Co., G-6411 W. Carpenter Rd., Flushing 48433	GENESEE
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
Jim McGuirk & Sons, 616 S. Adams St., Mt. Pleasant 48858	ISABELLA
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 & Locklin Gravel Co., Box 216, Northville 48167	WAYNE
City of Marquette, Marquette, Mich. 49855	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	CLINTON
Marvic & Sons, 1514 N. 16th, Escanaba 49829	DELTA
Marby & Melton, 3331 Adams Rd., Pontiac, Mich. 48058	OAKLAND
City of Marysville, Marysville, Mich. 48040	ST. CLAIR
Mason County Road Comm., P. O. Box 247, Scottville, 49454	MASON
Hugh H. Mason & Sons, R.F.D.#1, Gaylord 49735	CHEBOYGAN, OTSEGO
Mecosta County Road Comm., 1105 E. Maple St., Big Rapids 49307	MECOSTA
Menominee County Road Comm., 3222 10th St., Menominee 49858	MENOMINEE
Michigan Silica Co., (Div. Ottawa Silica Co.) 33620 Streicher Road, Rockwood 48173(S)	WAYNE
Mickelson Corp., 435 Granger Rd., Oxford, 48051 (HMS)	OAKLAND
Midland Co. Road Comm., Midland, Mich. 48640	ST. CLAIR
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	KENT, MUSKEGON, NEWAYGO, OCEANA, KALKASKA
Jack Millikin, Grayling, Mich. 49738	MACOMB, SANILAC, ST. CLAIR, LAPEER
Molesworth Contracting Co., 321 Park Ave., Yale 48097	MACOMB, SANILAC, ST. CLAIR, LAPEER
Anthony J. Montano, I-75 Business spur, 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, LIVINGSTON
Al Morgan Sand Co., 26291 Pennsylvania Rd., Romulus 48174	WAYNE
Edward Murawski, Fillion 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, LIVINGSTON
Neuman Sand & Gravel, G-5281 Deland, Flushing 48433	GENESEE
New Hudson Sand & Gravel, Inc., P. O. Box 174, New Hudson 48165	OAKLAND
Nieb Concrete Prod. Co., (Niles Sand & Gravel Div.), 1406 S. 11th St., Niles 49120	CASS
Northeast Gravel & Excav. Co., 4300 Cannonsburg Rd., Belmont Kent	KENT
Northern Concrete Prod. Co., Harbor Springs - Conway Rd., Petoskey, Mich. 49770	EMMET
North Star Gravel Co., 184 S. Olsen Rd., Sumner, Mich. 48889	GRATIOT
Northwest Materials, Inc., Bryan, Ohio 43506	HILLSDALE
The Nugent Sand Co., Inc. 2875 Lincoln St., Muskegon 49440	MUSKEGON
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., 12150 N. State Rd. Otisville 48463	GENESEE
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
George Peters Sand & Gravel, 3548 N. Deckerville Rd., Lupton 48635 (HMS)	OGE MAW
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, MISSAUKKEE, JACKSON, WASHTEAW, LENAWEE, IONIA, SHIAWASSEE
Polhamus Sand & Gravel., Ovid 48866	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	BERRIEN, CASS, KENT, CALHOUN, OTTAWA, BRANCH, OCEANA, EATON, ST. JOSEPH, NEWAYGO
Rieth - Riley Const. Co., Inc., P. O. Box 566, Sturgis 49091	
Riverside Sand & Gravel Co., 1050 Maynard Ave., SW 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., 2924 Carrollton Rd., Saginaw, 48604 (S)	GENESEE
Saginaw Co. Road Comm., Saginaw, Mich. 48601	SAGINAW
Salme 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 48604 (S)	MASON
Sargent Sand Co., 2840 Bay Rd., Saginaw 48604 (S, SG)	TUSCOLA
Scarlett Gravel Co., 1721 S. Cedar, Holt 48842	INGHAM
Schoolcraft County Road Comm., P.O. Box 152, Manistique 49854	SCHOOLCRAFT
Ivan Schwarm, Interlochen, Mich. 49643	BENZIE
Shenk Gravel Co., (Donald Shenk, Sr.), Durand 48429	SHIAWASSEE
Shiawassee Co. Road Comm., Corunna, 48817	SHIAWASSEE
Sky-Way Sand & Gravel Co., 4060 E. Holt Rd., Holt 48842 (HMS)	INGHAM
Snelenberger Gravel, 13164 Seymour Rd., Montrase 48417	GENESEE
Southern Michigan Builders, Inc., 110 Jay St., Coldwater 49036	BRANCH
South Flint Gravel Co., P. O. Box 275, Grand Blanc 48439	OAKLAND
St. Joseph Co. Road Comm., Centerville, Mich. 49032	ST. JOSEPH
Stamm Bros. Gravel Co., R#1, Adrain 49221	LENAWEE
Standard Sand Co., P. O. Box 290, Grand Haven 49417 (S)	OTTAWA, VAN BUREN
Jess Stanley Gravel, R#3, Houghton Lake, 48629	ALPENA, CLARE, GLADWIN, ROSCOMMON, CRAWFORD
Stony Lake Sand & Gravel, R#1, Augusta 49012	KALAMAZOO
Straits Aggregate & Equip. Corp., Box 119A, R#1, Oscoda	VARIOUS
Superior Sand & Gravel, Inc., 1028 Ethyl Ave., Hancock 49930	HOUGHTON
Syers Gravel Co., Inc. R#2, Hesperia 49421	OCEANA
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
Paul B. Thompson, 539 Market St., Portland 48875	IONIA
Thompson Constr. Co., 234 W. Garfield, Coldwater 49036	BRANCH
Thompson-McCully Sand & Gravel Co., 5905 Belleville Rd., Belleville 48111	WASHTEAW
Thomson Sand & Gravel, 48399 W. 7 Mile Rd., Northville 48167	WAYNE
Thumm's Sand & Gravel, 117 S. Grove St., Ypsilanti 48197	WASHTEAW
Town's Trucking Co., P. O. Box 577, Ludington 49431	MASON, OCEANA
Transit-Mix Cement Co., Greenville 48838	MONTCALM
Tuckey Block Co., Cass City 48726	TUSCOLA
Tuscola County Road Comm., 120 Millwood St., Caro 488723	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
Van Buren Co. Road Comm., Paw Paw 49079	VAN BUREN
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
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
Washtenaw County Road Comm., 555 N. Zeeb Rd., Ann Arbor 48103	WASHTEAW
Washtenaw Sand & Gravel, Inc., 4984 Earhardt, Ann Arbor 48105	WASHTEAW
Wallace Waterbury Gravel Co., Coldwater 49036 (HMS)	BRANCH
Wayne Sand & Gravel, Inc., 39891 Ecorse Rd., Wayne 48184	WAYNE
Ronald Weaver Gravel Co., Box 116, Dansville 48819	INGHAM, JACKSON, SHIAWASSEE
Weber's Sand & Gravel, 2595 Lapeer Rd., Pontiac 48055	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 Farms, 62751 Haven Ridge Rd., Richmond	MACOMB
Whitehall Gravel Co., 3278 Colby St., Whitehall 49461	MUSKEGON
I. L. Whitehead Co., Sault Ste. Marie 49783	SCHOOLCRAFT, CHIPPEWA, CRAWFORD
White Pond Gravel Co., RFD #1, Cassopolis	CASS
Whittaker & Gooding Co., 5800 Cherry Hill Rd., Ypsilanti 48197 (HMS)	WASHTEAW
Whittum's Gravel Co., Eaton Rapids 48827	EATON
Wilkinson Sand & Gravel Co., 2284 Auburn Rd., Pontiac 48055	OAKLAND
Willson Bros., Inc., Rives Junction 49277	JACKSON
Wurth Concrete & Aggregates, Inc., 3734 10th St., Menominee 49858	MENOMINEE
John G. Yerington, R#3, Box 34, Benton Harbor 49022	BARRY, BERRIEN, CASS, HILLSDALE, ALLEGAN, CALHOUN, IONIA, CLINTON, VAN BUREN
(HMS) = Heavy media separation equipment	
(S) = Industrial Sand only	
(S, SC) = Industrial Sand in addition to sand & gravel.	
Total commercial sand and gravel producers. . . . .	225
Total non-commercial sand and gravel producers. . . . .	64
TOTAL SAND & GRAVEL PRODUCERS IN MICHIGAN IN 1966 . . . . .	289

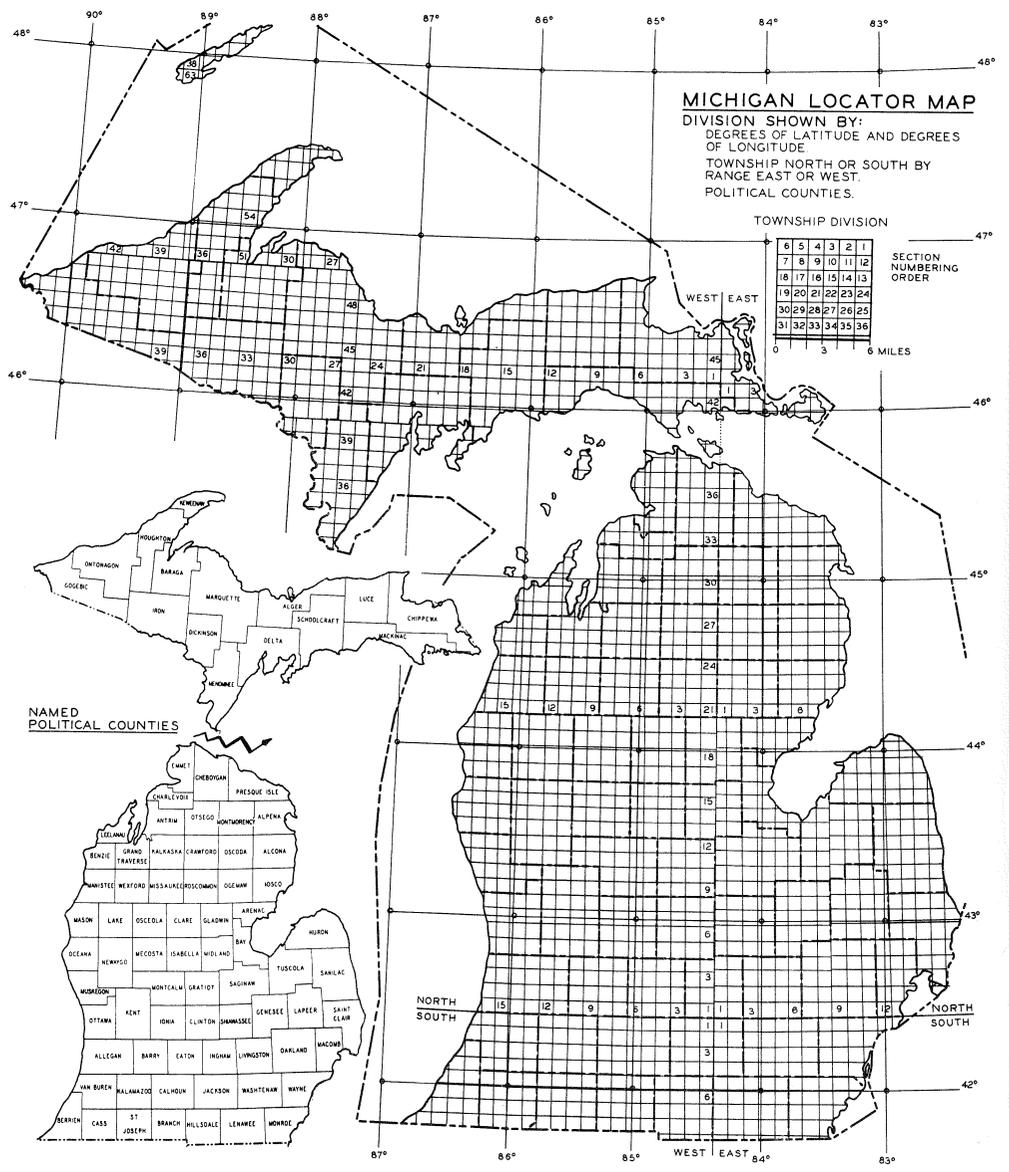
COUNTY BREAKDOWN OF MINERAL PRODUCERS  
METALLIC AND NONMETALLIC MINERALS

1966

Mineral producers contributing production data for 1966 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 1966, (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 1966 mineral production county by county, is given in Mineral Industry of Michigan, 1966, 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, \$203,000, Sand and Gravel

Alcona Co. Road Comm.	NE SW 7 25N 6E	Sand and gravel
	SE SW 7 26N 9E	
	NW NE 11 26N 9E	

Jerry George Sand & Gravel Mich. State Hwy. Dept.	SW SE 3 25N 9E (Contractor)	Sand and gravel " " "
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ALGER

80th \$28,000, Sand and Gravel

Alger Co. Road Comm. Caspian Const. Co. A. Lindberg & Son Mich. State Hwy. Dept.	6 46N 20W   (Contractor)	Sand and gravel " " " " " " " " "
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ALLEGAN

41st \$1,234,723, Petroleum, Sand and Gravel, Natural Gas, Marl (4th), Peat.

City of Allegan	Allegan	Sand and Gravel
Allegan Co. Road Comm.	(Contractor)	" " "
Gerald Arnsman	Hervig, Belden, Ryan pits	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	Sand and Gravel
	8 1N 14W	" " "
	36 4N 15W	" " "
	SW SW 31 4N 12W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Harold O. Voss	Pennville	" " "
Ben Waanders & Son	W½ NW 21 2N 13W	" " "
John G. Yerington	SW SW 23 3N 11W	" " "
	NE NE 34 1N 11W	" " "

ALLEGAN (Contd.)

West Shore Const. Co. Dunningville pit, Hamilton Sand and Gravel  
 J. V. Burkett " " "

ALCONA, ALGER, ALLEGAN

ALPENA

5th, (W), Cement (1st), Stone for cement mfg. (2nd), Shale for cement mfg. (1st), Sand and Gravel

Alpena Co. Road Comm.	E½ NW 24 32N 8E	Sand and Gravel
" " " "	NW 35 29N 8E	" " "
" " " "	13 32N 7E	" " "
" " " "	SW 18 32N 8E	" " "
Brilinski Sand & Gravel	SW SW 13 30N 7E	" " "
Bernard Dowling Trucking	Alpena	" " "
Gilliland Constr. Co.	NE 22 29N 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
Wayne Dubey	NE SE 23 32N 8E	Sand and Gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Straits Aggregate & Equip. Corp.	Mahalak pit, Ossineke	" " "
Copping Sand & Gravel	NE NE 14 32N 8E	" " "
Alpena Paving Co.	Alpena	" " "
Jess Stanley Gravel Co.	Ossineke	" " "

ANTRIM

63rd, \$336,034, Shale for cement mfg., Sand and Gravel

Antrim Co. Road Comm.	NE NE 16 31N 6W	Sand and Gravel
" " " "	NE NE 2 29N 6W	" " "
" " " "	NW NW 33 30N 6W	" " "
" " " "	NE SW 36 32N 9W	" " "
Penn-Dixie Portland Cement Co.	SE 23 32N 8W	Shale
Holloway Const. Co.	Various	Sand and Gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Charlevoix Co. Road Comm.	NW NE 2 31N 5W	" " "

ARENAC

42nd, \$1,154,796, 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.	SE SE 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

72nd, \$119,210, 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
Fox Valley Const. Co.	SW NE 8 49N 33W	" " "

BARRY

50th, \$712,685, Sand and gravel, Petroleum, Marl (5th), Peat.

Barry Co. Road Comm.		Sand and Gravel
Bender Gravel Co.	SW NW 12 3N 9W	" " "
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
Nashville Gravel Co.	NE NW 10 1N 7W (HMS)	Sand and Gravel
" " " "	SE SE 15 2N 7W	" " "
" " " "	SW SW 14 2N 7W	" " "
Pickett & Schreur, Inc.	Various	" " "
J. C. Roodvoets & Sons	Middeville	Peat moss
John G. Yerington	NE NE 33 2N 8W	Sand and Gravel
" " " "	Gerlinger pit, Hastings	" " "
" " " "	E½ SW, & W½ SE 16 4N 10W	" " "

BAY

14th, \$10,355,219, Cement (4th), Petroleum (9th), Lime.

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

BENZIE

77th, \$57,000, Sand and Gravel.

Benzie Co. Road Comm.	(Contractor)	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Ivan Schwarm	Various, For county, State	" " "
Straits Aggregate & Equip. Corp.	Sutter pit, Frankfort	" " "
" " " "	NE NE 14 26N 15W (1966)	" " "
Rieth-Riley Const. Co.	NE NE 14 26N 15W (1967)	" " "

BERRIEN

34th, \$2,064,741, Sand and Gravel (7th, 3.2%) Industrial Sand, Marl (6th) Petroleum

Arrowhead Silica Corp.	SW 5, NW 8 6S 19W	Sand, Industrial
Berrien Co. Road Comm.	(Contractor)	Sand and gravel
J. V. Burkett	St. Joseph	" " "
Crosby Marl Co.	23 8S 20W	Marl
Ireland & Lester	NW NW 24 4S 19W	Sand and gravel
Kiell Excavating	SE 15 7S 17W	" " "
Martin's Marl Pit	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
John G. Yerington	Dunaetz pit, Eau Claire	" " "
" " " "	Neib pit, Buchanan	" " "
Rieth-Riley Const. Co.	NE SE 18 7S 19W	Sand and gravel
" " " "	Spears pit, 3 Oaks	" " "
" " " "	Rieth pit, Niles	" " "

BRANCH

44th, \$1,088,607, Sand and Gravel, (9th, 3%), Marl (8th, 3.9%)

Branch Co. Road Comm.	NE SE 19 6S 6W	Sand and gravel
Frisbie Bros.	26 5S 8W	Marl

BRANCH (Contd.)

Taylor & Son	Hilton & Hammon pits	Marl
Thompson Constr. Co.	Coldwater	Sand and gravel
Union City Gravel Co.	Union City	" " "
Wallace Waterbury Gravel Co.	Coldwater (HMS)	" " "
Rieth-Riley Constr. Co.	NW NW 24 6S 8W	" " "
" " " "	Coldwater, Various pits	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Pickitt & Schreur, Inc.	Various	" " "
Holloway Sand & Gravel Co., Inc.	Various	" " "
Southern Mich. Builders, Inc.	NW SW 21 6S 6W	" " "

CALHOUN

16th, \$8,163,287, Petroleum (2nd, 16.5%), Natural Gas (4th, 11.6%), sand and gravel Marl.

Carl Avery	Union City	Marl
Battle Creek Gravel Co.	S½ 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	N½ 33 1S 8W	Sand and gravel
Emil Combs. Grav. & Ready-Mix	NE SE 18 4S 5W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Pickitt & Schreur		" " "
Harlan Spoor	23 4S 7W	Marl
John G. Yerington	SW NE 5 4S 7W	Sand and gravel
" " " "	Aslin pit, Homer	Sand and gravel
Holloway Sand & Gravel Co., Inc.,	Weever pit, Battle Creek	" " "
Rieth-Riley Const. Co.	S½ SW 7 3S 5W, NE NW 16 2S 7W	Sand and gravel
" " " "	Ziebell & Grand Truck	" " "
" " " "	W. pits, Battle Creek	Sand and gravel

CASS

67th, \$234,881, Sand and Gravel, Petroleum, Marl (3rd, 12.6%)

White Pond Gravel Co.	SW SW 14 6S 15W	Sand and gravel
LaVerne Brizendine	15 5S 16W	Marl
Cass Co. Road Comm.	NE NE 20 5S 13W	Sand and gravel
" " " "	NE SE 16 6S 15W	" " "
" " " "	SE SE 17 6S 13W	" " "
Nieb Concrete Prod.	NW NW 15 7S 16W	" " "
Pipher's Marl Svc.	NE 9 8S 13W	Marl
Poehlman & Sons	13 7S 16W	" " "
John G. Yerington	Springfield pit, Edwardsberg	Sand and gravel
" " " "	Indian Lake pit, Dowagiac	" " "
Rieth-Riley Const. Co.	Roslund pit, Niles	Sand and gravel

CHARLEVOIX

74th, \$101,000, Sand and Gravel, (Cement in 1967)

Enmet Co. Road Comm.	NW SE 12 34N 7W	Sand and gravel
Charlevoix Co. Road Comm.	(Contractor)	" " "
Norman Bartlett	NE SW 30 32N 6W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Kobaski Ready-Mix	NW SW 14 35N 5E	" " "
Lilac & Moore	SE NW 1 32N 6W	" " "
	SE NW 27 33N 6W	" " "
	SW NE 31 33N 6W	" " "
Medusa, Portland Cement Co.	SW 28 34N 8W	Cement

CHARLEVOIX (Contd.)

Hodgkis & Douma	NE NW 12 34N 7W	Sand and gravel
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CHEBOYGAN

70th, \$127,170, Sand and Gravel, Stone.

Afton Stone & Lime	SE 25 35N 2W	Limestone, crushed
Charlevoix Lime & Stone Co.	SE 25 35N 2W	" " "
Hugh H. Mason & Sons	SE SE 32 33N 3W	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Cheboygan Co. Road Comm.	(Contractor)	" " "
Straits Aggregate & Equip. Corp.	Onaway	" " "

CHIPPEWA

24th, \$4,381,768, Stone, Sand and Gravel.

Drummond Dolomite, Inc.	E½ SW 36 42N 4E	Dolomite, crushed
Anthony J. Monteno	Sault Ste. Marie	Sand and gravel
I. L. Whitehead Co.	NE NE 23 47N 1W	" " "
" " " "	Donaldson pit, Sault Ste. Marie	" " "
" " " "	Petkus pit, Rudyard	" " "
" " " "	NE NE 30 44N 5W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "

CLARE

35th, \$1,832,731, Petroleum (5th, 4.2%), Sand and gravel, Natural Gas, Natural Gas Liquids. (5th, 0.3%)

Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Jess Stauley Gravel	NE NW 26 19N 4W	" " "
Clare Co. Road Comm.		" " "
Washed Products Co.		" " "
Osceola Co. Road Comm.	SW NE 33 20N 6W	" " "

CLINTON

59th, \$399,120, Sand and Gravel, Shale (for clay products)

Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Eaton Co. Road Comm.		" " "
Boichot Concrete Prod.	NW NW 27 5N 2W (HMS)	" " "
" " " "	NE SW 3 5N 2W	" " "
Clinton Co. Road Comm.	(Contractor)	" " "
Grand Ledge Clay Prod.	SE 34 5N 4W	Shale (for tile mfg.)
Harmon Sand & Gravel	St. Johns	Sand and gravel
Pickitt & Schreur, Inc.		" " "
Walling Gravel Co.	SE NW 34 8N 2W	" " "
Pryor Bros. Gravel Co.	SE SE 29 5N 4W, NW SW 17 5N 3W	" " "
" " " "	NE NW 33 5N 4W	" " "
John G. Yerington	Miller pit, Fowler	" " "
Harold L. Martin	NW SE 6 5N 4W	" " "

CRAWFORD

58th, \$434,090, 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	" " "

CRAWFORD (Contd.)

Crawford Co. Road Comm.	SW SW 27 26N 3W	Sand and gravel
" " " "	S½ SW 28 26N 3W	" " "
Jack Millikin	NW 34 26N 2W, NE 1 25N 3W	" " "
I. L. Whitehead Co.	NW 34 26N 4W	" " "
Jess Stanley Gravel Co.	Grayling, Lovells	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "

DELTA

62nd, #353,722, Sand and Gravel, Stone.

Bichler Gravel Co.	NE 12 39N 23W	Sand and gravel
" " "	E½ NE 14 40N 23W	" " "
" " "	SW 1 39N 23W	Limestone, crushed
Caspian Constr. Co.	SE SE 14 40N 23W	Sand and gravel
" " "	Rapid River	" " "
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.	NE NE 5 40N 23W	" " "
Gunnar F. Holmberg	15 40N 22W	" " "
Marvic & Sons	Bark River	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Cloverland Milling & Supply	Gladstone	" " "

DICKINSON

10th, \$20,037,286, Iron Ore, Stone, Sand and Gravel.

Champion, Inc.	SE NE 20 39N 28W	Sand and gravel
" " "	NE NE 19 40N 30W	" " "
Crystal Rock Co.	SE SW 34 42N 30W	Granite, crushed
Dickinson Co. Road Comm.	SE NW 7 41N 27W	Sand and gravel
" " " "	NE 33 42N 30W	" " "
" " " "	" " "	" " "
Felch Quarry Co. (Metro-Nite)	SE SW 26 42N 28W	Basalt, crushed
Fox Valley Constr. Co.	1 39N 30W	Dolomite, crushed
Groveland Mine (M. A. Hanna Co.)	Open Pit 31 42N 29W	Sand and gravel
Great Lakes Select	" " "	Iron Ore
Stone Products (Sup. Rock Prod.)	SW NW 35 42N 30W	Misc. Stone, crushed
Miller Products & Supply Co.	Iron Mountain	Fill sand
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel

EATON

53rd, \$546,349, Sand and Gravel, Stone, Shale (for clay products), Peat.

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
Pryor Brothers	NW SW 7 2N 4W	Sand and gravel
Vermontville Gravel Co.	Vermontville	" " "
Whittum's Gravel Co.	NE SE 5 1N 3W	" " "
Rieth-Riley Constr. Co.	NW SE 8 2N 4W	" " "
" " " "	Almy pit, Charlotte	" " "
Eaton Co. Road Comm.	" " "	" " "

- 30 - CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON

EMMET

21 st, \$5,058,849, Cement (5th), Stone, Sand and Gravel

Emmet Co. Road Comm.	SW NW 20 36N 4W	NW NW 27 38N 4W	Sand and gravel
" " " "	NW SE 7 35N 4W	SE SW 34 38N 4W	" " "
" " " "	NW NE 25 35N 5W	NE NW 17 37N 5W	" " "
" " " "	SE NW 14 38N 5W	SE 34 35N 4W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "	" " "
Penn-Dixie Cement Corp.	2 34N 6W		Cement
" " " "	3 34N 6W		Limestone (for cement)
Kobaski Ready-Mix	NW SW 14 35N 5W		Sand and gravel for ready-mix
Northern Concrete Products Co.	SE 15 35N 5W		" " " " " "
Ford Martin	E½ 36 39N 4W		Sand and gravel

GENESEE

49th, \$755,485, 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 7N 8E	" " "
" " " "	SE NE 20 7N 8E	" " "
A. S. Leffler & Son	NW NW 2 9N 8E	" " "
Newman Sand & Gravel	Flushing	" " "
Otisville Stone Co.	N½ 15 9N 8E	" " "
Saginaw Core Sand Co.	SE NE 28 9N 8E	" " "
Snellenberger Gravel Co.	SE 16 9N 5E	" " "
Holloway Sand & Gravel Co., Inc.	" " "	" " "
Lynch Gravel Co.	SW SE 19 8N 6E	" " "

GLADWIN

43rd, \$1,113,626, Petroleum (8th, 2.7%), Sand and gravel.

Jess Stanley Gravel	SE SE 12 20N 2W	Sand and gravel
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GOGEBIC

27th, \$3,069,995, Iron Ore (shipments from stockpile), Sand and gravel

Caspian Constr. Co.	Wakefield	Sand and gravel
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	" " "
City of Ironwood	NE SE 34 47N 47W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Pickands Mather & Co.		" " "
Geneva Mine (Mine & plant Closed)	18, 19 47N 46W	Iron Ore - from stock
Peterson Mine " " " "	16, 17 47N 46W	Iron Ore - from stock

GRAND TRAVERSE

75th, (W), Sand and Gravel.

Lamar Gravel Co.	Grawn	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Pickitt & Schreur, Inc.	" " "	" " "

GRATIOT

18th, (W), Bromine (4th), Salt, Magnesium Compounds (4th), Calcium-Chloride & Calcium-Magnesium Chloride (3rd), Sand and Gravel, Petroleum, Sulfur, Natural Gas.

GRATIOT (Contd.)

Hubscher & Son	NW SW 34 11N 4W NW 3 10N 4W	Sand and gravel
Gratiot Co. Road Comm.	SE SE 19 12N 4W SW NW 21 12N 4W	" " "
" " " "	NE NE 3 12N 4W NE SW 29 12N 3W	" " "
" " " "	NW SE 17 12N 1W SE SW 10 10W 1W	" " "
Michigan Chemical Corp.	St. Louis	Bromine, Calcium-Magnesium Chloride, Magesium Compounds, Salt Sulfur
Leonard Refineries	Alma	Sand and gravel
P. & B. Gravel Co.	NW SE 9 10N 1W	" " "
" " " "	SE NE 17 10N 1W	" " "
Roslund Gravel Co.	NW NE 36 12N 3W	" " "
North Star Gravel Co.	NE SE 34 11N 4W	" " "
" " " "	NW SE 22 10N 2W	" " "
Fred O'Boyle	SW NW 29 12N 3W	" " "

HILLSDALE

12th, \$16,336,504, Petroleum (1st, 32.2%), Natural Gas Liquids (2nd, 31%), Natural Gas (3rd, 13%), Sand and Gravel, Marl.

Bunday Hill Gravel Co.	7 & 8 5S 1W (HMS)	Sand and gravel
Roland Cross	Marshall Marl Pit	Marl
H. Eckley	Waldron	Sand and gravel
Hillsdale Co. Road Comm.	(11 county-owned pits)	" " "
John Hess	14, 5S 3W	Marl
Hoover Brothers	NE SE 23 8S 2W	Sand and gravel
Jackson Sand & Gravel	Reading	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Northwest Materials, Inc.	Thompson pit	" " "
Holloway Constr.		" " "
John G. Yerington	Hillsdale, Pittsford, Jonesville	" " "

HOUGHTON

19th, \$6,446,291, Copper (2nd 12%), Sand and Gravel, Stone.

Calumet & Hecla, Inc.:		
Centennial 2 Mine (Closed)	NW 18 56N 33W	Native copper
Centennial 3 & 6 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
Freda Mill 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	" " "
" " " "	Traprock Quarry (Contractor)	Basalt, crushed Sand and gravel
Mich. State Hwy. Dept.		
Quincy Mining Co.:		
Quincy Reclamation (Closed)	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
George Hocking Constr. Co.	South Range	Sand and gravel

HURON

40th, \$1,256,104, 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.)
Ed Murawski	NW SW 31 17N 14E	Sand and Gravel

HURON (Contd.)

Saranac Sand & Gravel	Bad Axe	Sand and gravel
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

39th, \$1,259,000, Sand and Gravel (10th, 3%), 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.	SW SE 34 4N 2W	" " "
Holloway Sand & Gravel, Inc.	SE SW 9 2N 1W	" " "
S. E. Ketchum & Sons	NW NE 36 3N 2W	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Scarlett Gravel Co.	NE NW 25 3N 2W, NE SE 24 2N 2W	" " "
Sky-Way Sand & Gravel	NE NE 23 3N 2W (HMS)	" " "
Ronald Weaver Gravel Co.	Tobias Pit, Williamston	" " "
" " " "	23, 26 2N 2W (4 pits)	" " "
" " " "	NW NE 36 3N 2W	" " "
Winn's Peat Corp.	7 3N 2W	Peat
Ingham Co. Road Comm.	Contractor (Weaver)	Sand and gravel

IONIA

61st, \$354,000, Sand and Gravel.

Paul B. Thompson	Portland	Sand and Gravel
Ionia Co. Road Comm.	NW NE 33 7N 7W 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	" " "
Pickitt & Schreur	NW SE 21 7N 6W	" " "
" " "	NE NE 16 7N 5W	" " "
Saranac Sand & Gravel	N½ SW 6 6N 7W	" " "
Williams Bros.	N½ SE 32 7N 7W, SE 28 & NE 33 7N 5W	" " "
Maurice Vroman Gravel	SW NE 29 6N 5W	" " "
John G. Yerington	SW SE 21 7N 6W, Bozung pit, Ionia	" " "

IOSCO

22nd, \$4,720,390, Gypsum, Sand and Gravel.

Michigan Gypsum Co.	SW 25 21N 5E, NW NW 31 21N 6E	Gypsum
National Gypsum Co.	26 35 22N 6E	"
U. S. Gypsum Co.	22, 27 21N 7E	"
Iosco Co. Road Comm.		Sand

IRON

11th, \$20,004,825, Iron Ore, Sand and Gravel.

Caspian Constr. Co.	SE SE 28 43N 35W, S½ SW 22 43N 35W	Sand and gravel
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 (Contd.)

Iron Co. Road Comm. Various Sand and gravel  
Mich. State Hwy. Dept. Contractor " " "

ISABELLA

37th, \$1,400,002, Sand and Gravel, Petroleum (11th), Marl, Natural Gas.

Gatehouse Brothers SW SW 36 15N 6W Marl  
Hubscher & Son 22 15N 6W, NW NE 7 16N 3W Sand and gravel  
" " " " Various " " "  
Isabella Co. Road Comm. SW NW 25 14N 6W, SE NE 19 16N 6W " " "  
" " " " SW SW 27 14N 6W, SW SE 6 16N 3W " " "  
" " " " SE SW 14 14N 5W, NE SE 28 15N 6W " " "  
" " " " NE NE 25 14N 5W, NW SE 19 15N 5W " " "  
" " " " SE SE 21 13N 6W, SW NE 5 15N 3W " " "  
" " " " SE NE 26 13N 6W, SW NE 14 14N 6W " " "  
" " " " NE SW 8 13N 3W " " "  
James R. McGuirk & Sons Mt. Pleasant " " "  
C. E. Utterback 35 15N 6W " " "  
Fisher Sand & Gravel NW 12 14N 3W " " "

JACKSON

20th, \$5,705,554, Petroleum (3rd, 11.8%), Natural Gas (5th, 6.2%), Sand and Gravel, Stone, Marl.

Barnes Brothers Concord (John Pung pit), Horton (DeMack pit) Marl  
Jackson Co. Road Comm. (Contractor) Sand and Gravel  
Jeffrey Limestone Co. SE 30 2S 2W Limestone, crushed  
Klump Bros. Gravel Co. SE SE 1 2S 2E Sand and Gravel  
Mich. State Hwy. Dept. (Contractor) " " "  
Original Sandstone Quarry NE NW 6 4S 2E Sandstone  
Palmer Sand & Gravel SW NW 8 3S 1E Sand and Gravel  
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  
Ronald Weaver Gravel Co. Kraft pit, Jackson " " "

KALAMAZOO

45th, \$1,038,992, Sand and Gravel, Marl (1st, 30.8%), Peat.

American Aggregates Corp. SW NW 15 1S 11W Sand and gravel  
Paw-Paw Lake Marl Co. 31 3S 12W Marl  
Consumers Sand and Gravel SE NE 13 2S 11W Sand and Gravel  
Craven's Peat Farm SW SW 3 3S 10W Peat  
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  
Alfred Thomas Vicksburg fill sand

KALKASKA

76th, \$74,357, Petroleum, Sand and Gravel,

Kalkaska Co. Road Comm. SW NE 33 28N 8W, SE SE 26 25N 8W Sand and gravel  
" " " " SE NE 14 27N 8W " " "  
Jack Millikin Grayling " " "

KENT

26th, \$3,103,427, Sand and Gravel, (6th, 3.3%), Gypsum, Petroleum, Peat.

Emerson Chaney Grand Rapids Peat (moss)  
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 " " "  
Cross & White SE 2 7N 11W " " "  
Ed DeVries & Sons NE 22 7N 12W " " "  
Diekman's Peat Moss Byron Center Peat (Moss)  
Grand Rapids Gypsum Co. 34 7N 12W Gypsum  
Grand Rapids Gravel Co. E 1/2 NW SW NE 16 6N 12W Sand and gravel  
" " " " SE SE 32 " " "  
" " " " 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, SE SE 20 6N 9W Sand and gravel  
" " " " NE NE 32 7N 9W, NE SW 27 5N 10W " " "  
Lisk Nursery Grand Rapids Peat (Moss)  
Paul C. Miller Prawdzik pit, Belmont Sand and gravel  
Northeast Gravel & Excavating NE SW 24 8N 11W " " "  
Peterson Gravel & Excav. Rockford " " "  
Pickitt & Schreuer, Inc. NE NW 25 5N 12W, NE NE 10 6N 9W " " "  
" " " " SW SE 23 8N 11W, " " "  
Riverside Sand and Gravel SE SE 33 7N 12W " " "  
Twin Lakes Nursery Grand Rapids Peat (reed-sedge)  
Rieth-Riley Constr. Co. Heintz pit, Byron Center Sand and Gravel  
" " " " Veenendall pit, Grandville Sand and Gravel  
Holloway Const. Co. Sand and Gravel

KEWEENAW

28th, \$2,957,007, Copper, Sand and Gravel.

Calumet & Hecla, Inc.:  
Allouez 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

78th, \$49,661, Petroleum, Sand and Gravel.

Lake Co. Road Comm. SE NW 7 17N 14W NE SW 21 19N 14W Sand and gravel  
" " " " SE NE 23 18N 13W NW SE 10 20N 14W " " "  
" " " " SW NW 19 17N 13W " " "  
Mason Co. Road Comm. NW NW 18 18N 14W SE SW 27 20N 14W " " "

LAPEER

52nd, \$579,980, Sand and Gravel, Calcium-Magnesium Chloride, Petroleum, Natural Gas, Peat.

Corey & Hartwig Hadley Sand and gravel  
Anderson Peat Co. NE SE 23 7N 12E Peat (reed-sedge)  
Ralph Bollon SW SW 20 8N 10E Sand and gravel  
Lapeer Co. Road Comm. SW SE 16 9N 10E NW SW 28 9N 12E " " "  
J. M. Huber Corp. Imlay City Peat (reed-sedge)

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

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
Solliere Peat & Sod Co.	SW SW 25 7N 12E	Peat (reed-sedge)
Wilkinson Chemical Co.	SW SW 20 8N 10E	Calcium-Magnesium
Sanilac Co. Road Comm.	SW NW 24 10N 12E	Sand and gravel

LEELANAU

73rd, \$113,000, Sand and Gravel.

Leelanau Co. Road Comm.	SE NE 28 30N 12W	SE NE 24 31N 12W	Sand and gravel
" " " "	SW 24 29N 13W	NE NW 16 28N 13W	Sand and gravel
" " " "	SW NW 19 32N 10W		Sand and gravel
Mich. State Hwy. Dept.	(Contractor)		Sand and gravel
Straits Aggregate & Equip. Corp.	Kalchick pit, Northport	" " "	" " "
" " " "	Stallman pit, Sutton's Bay	" " "	" " "

LENAWEE

55th, \$502,283, Sand and Gravel, 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	Peat (reed-sedge)
Pickitt and Schreur		Sand and gravel
Stamm Brothers Gravel Co.	SW NE 19 7S 3E	" " "
Tecumseh Gravel Co.	SW NE 4 6S 4E	" " "
Lenawee Co. Road Comm.	NW NW 9 6S 4E	" " "
" " " "	NE NE 4 6S 4E	" " "

LIVINGSTON

25th, \$3,565,294, Sand and Gravel, (2nd, 6%), Natural Gas.

Albert Gravel Co.	NW SE 6 3N 3E	Sand and Gravel
American Aggregates Corp.	NE NE 11 1N 6E (HMS)	" " "
" " " "	NE 24 2N 6E (HMS)	" " "
D. & J. Gravel Co.	SW SW 32 3N 4E	" " "
Fenton Gravel Co.	NE SE 2 4N 6E	" " "
Livingston Co. Road Comm.	SE NE 4 2N 4E	" " "
" " " "	SW NE 31 4N 6E	" " "
" " " "	NW NE 26 2N 5E	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "
Morgan Sand & Gravel	Brighton	" " "
Natural Aggregates Corp.	SE SE 23 2N 6E	" " "

LUCE

81st, \$25,000, Sand and Gravel

Luce Co. Road Comm.	SE NE 14 45N 10W	Sand and gravel
Mich. State Hwy. Dept.	Contractor	" " "

MACKINAC

17th (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
Mich. State Hwy. Dept.	Contractor	Sand and gravel
Schoolcraft Co. Road Comm.		Sand and gravel

MACOMB

23rd, \$4,627,334, Natural Gas (2nd, 26.5%), Sand and Gravel (4th, 5.3%), Petroleum.

Advanc'd 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.		" " "
Lake Arrowhead Investment, Inc.	Mt. Clemens	" " "
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 Contract	Romeo (Carter & Fritch pits)	Sand and gravel
Morgan Sand & Gravel	30 3N 12E	" " "
Natural Aggregates Corp.	NW NE 8 4N 12E	" " "
Teleschak Sand & Gravel, Inc.	Armada	" " "
Don Foster, Inc.	NW SW 3 4N 14E	" " "
Whitehall Farms	NE NW 21 4N 14E	" " "

MANISTEE

8th, \$20,425,526, 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 Hwy. Dept.	(Contractor)	Sand and gravel
Morton Chemical Co.	12 21N 17W	Bromine, Magnesium comp., Calcium Chloride
Morton Salt Co.	Manistee	Salt
Sand Products Corp.	N $\frac{1}{2}$ 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, \$115,869,408, Iron Ore, Sand and Gravel, Iron oxide pigments.

Caspian Constr. Co.	Skandia, Marquette, Palmer	Sand and gravel
Champion, Inc.	NW NE 26 48N 30W	" " "
Cleveland-Cliffs Iron Co.:		
Cliffs Shaft Mine (closing 12-23-67)	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	" " "

MARQUETTE (Contd.)

Republic open pit mine	7 46N 29W	Iron Ore
Tilden open pit mine	26 47N 27W	" "
Fox Valley Constr. Co.	Bay Cliff pit, Big Bay	Sand and gravel
Ken Hodgins & Sons	Marquette	" " "
City of Ishpeming	Ishpeming	" " "
Jones & Laughlin Steel Corp:		
Tracy Mine	7, 8, 48N 26W	Iron Ore
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	" " "
" " " " "	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 23WW	" " "
" " " " "	SE SW 36 46N 23W	" " "
" " " " "	NW SE 4 47N 29W	" " "
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 (12th), 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.	NW NW 27 20N 17W SE SE 18 19N 15W	Sand and gravel
" " " " "	NE NW 10 18N 17W SW SW 11 18N 15W	" " "
" " " " "	SW NW 24 17N 18W SE SW 34 17N 15W	" " "
Sargent Sand Co.	SW 33 19N 18W	Sand, industrial
Towns Trucking Co.	SW NW 20 17N 17W	Sand and gravel
" " " " "	Brown, Cooper, Kirshner,	" " "
" " " " "	Cutter, & Vorac pits	" " "

MECOSTA

57th, \$451,287, Sand and gravel, Petroleum, Natural Gas, Peat.

Cousineau Gravel, Inc.	NE SW 3 16N 7W SW SW 3 16N 7W	Sand and gravel
Gummer's Peat Co.	Lakeview	Peat
Mecosta Co. Road Comm.	NE SW 7 15N 7W NE NE 32 15N 9W	Sand and gravel
" " " " "	NW NE 35 15N 8W SW SW 24 15N 10W	" " "
" " " " "	SE NW 25 15N 9W W $\frac{1}{2}$ SW 4 15N 9W	" " "
Paris Gravel Co.	NW SW 22 16N 10W NE 14 15N 10W	" " "
" " " " "	NW SE 22 16N 10W NW SE 27 16N 10W	" " "
" " " " "	SE 27 16N 10W	" " "

MENOMINEE

48th, \$889,822, Lime (3rd), Sand and Gravel.

B. & K. Sand and Gravel	Wallace	Sand and gravel
Limestone Products Div.,		
The C. Reiss Coal Co.	Menominee	Lime
Fox Valley Const. Co.	SW SE 23 36N 27W	Sand and gravel
" " " " "	SE SW 36 35N 27W	" " "

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(depleted)	Sand and gravel (See Isabella Co.)
Kaiser Aluminum & Chemical Co.	Midland	Magnesium compounds
Midland Co. Road Comm.		Sand and gravel

MISSAUKEE

36th, (W), Petroleum (6th, 3.1%), Natural Gas (8th), Natural Gas Liquids (8th), Sand and Gravel.

Missaukee Co. Road Comm.	(Contractor)	Sand and gravel
Pickitt & Schreur		Sand and gravel

MONROE

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

Lester Link & Son	Petersburg	Peat (Humus)
Appleman Peat Co.	E $\frac{1}{2}$ 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.:		
Maybe 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

46th, \$951,719, Petroleum, Sand and Gravel, Natural Gas.

Cousineau Gravel, Inc.	Campbell & Brownell pits	Sand and gravel
" " " "	SE NE 34 10N 7W	" " "
Dyer Co.	NE NW 35 9N 8W S $\frac{1}{2}$ NW 26 9N 5W	" " "
" " " "	NW 32 12N 7W N $\frac{1}{2}$ NE 19 11N 5W	" " "
" " " "	Carrick & Whetstone pits	" " "
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	" " "

MONTMORENCY

83rd, \$19,000, Sand and Gravel.  
Mich. State Hwy. Dept. (Contractor) Sand and gravel

MUSKEGON

32nd, \$2,271,855, Salt, Sand and Gravel, Petroleum, Natural Gas.  
Hooker Chemical Co. 30 12N 17W Salt-Brine for chemical rufg.  
Paul C. Miller E½ SE 32 10N 13W Sand and gravel  
" " " Harris pit, Ravenna " " "  
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

68th, \$231,689, Sand and Gravel, Petroleum.  
Cousineau Gravel, Inc. NW SW 16 11N 11W Sand and gravel  
" " " Landheer pit " " "  
" " " Peets pit, Grant " " "  
" " " White Cloud pit " " "  
" " " Tarr pit " " "  
K - V Gravel Co. NE NW 21 12N 12W " " "  
Paul C. Miller S½ NE 34 12N 13W " " "  
Rieth-Riley Constr. Co. Wyngarden pit, Reeman " " "

OAKLAND

15th, \$8,521,975, Sand and Gravel (1st, 15.9%), 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 " " "  
" " " Lake Orion, Mt. Holly " " "  
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)  
Holloway Sand & Gravel Co., Inc. Wixom (2 pits) Sand and gravel  
" " " Auburn Heights " " "  
Holly Sand & Gravel Div. NE SE 32 5N 8E (HMS) " " "  
John R. Sand & Gravel Co. SE 4 4N 10E (Final year) " " "  
Kemler Brothers SW SW 36 5N 11 E " " "  
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 (HMS) " " "  
New Hudson Sand and Gravel NW NE 33 2N 7E " " "  
Oxford Mining Co. 4 4N 8E " " "  
Oakland Co. Rd. Comm. (Contractor) " " "  
Salem Gravel & Constr. Co. E½ NE 2 4N 9E " " "  
B. L. French & Son SW SE 9 3N 9E " " "  
Jennings, Inc. S½ 19 5N 8E " " "  
" " " NE 30 5N 8E " " "  
Marby & Melton SE SW 30 3N 11E " " "  
South Flint Gravel Co. Holly " " "  
Underwood Sand & Gravel SW 2 3N 10E " " "  
" " " SE 11 3N 8E " " "

OAKLAND (Contd.)

Walker Sand & Gravel NE SW 35 2N 7E (HMS) Sand and gravel  
" " " 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

54th, \$522,516, Sand and Gravel, Petroleum.  
Beckman Brothers NE SW 24 14N 17W Sand and gravel  
Cousineau Gravel, Inc. SE NE 33 14N 15W " " "  
" " " SE NE 35 14N 15W " " "  
Paul C. Miller SE NE 35 14N 15W " " "  
Oceana Co. Road Comm. SE SW 3 16N 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 " " "  
Rieth-Riley Constr. Co. Post pit, Hesperia " " "  
Townes Trucking Co. Mead pit " " "  
Mason Co. Road Comm. SE NW 2 16N 16W " " "

OGEMAW

38th, \$1,361,987, Petroleum, Natural Gas, Sand and Gravel.  
Gil Brown Constructors, Inc. West Branch 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 " " "  
Mich. State Hwy. Dept. (Contractor) " " "  
George Peters Sand & Gravel " " "

ONTONAGON

4th, \$44,650,148, Copper (1st), Silver, Sand and Gravel.  
Caspian Constr. Co. NW SE 34 49N 42W Sand and gravel  
" " " Ontonagon " " "  
Fox Valley Constr. Co. SW NE 7 49N 42W " " "  
Mich. State Hwy. Dept. (Contractor) " " "  
Ontonagon Co. Road Comm. " " "  
White Pine Copper Co.: White Pine Mine 4, 5, 9, 50N 42W Copper & Silver

OSCEOLA

31st, \$2,277,450, Petroleum (7th, 3%), Natural Gas Liquids (4th, 12%), Sand and Gravel, Natural Gas.  
Cousineau Gravel, Inc. Osceola pit, Evart Sand and gravel  
" " " NW NW 11 17N 9W " " "  
" " " Post pit " " "  
J. P. Burroughs & Son, Inc.: Hersey Sand & Gravel Div. NW SW 20 17N 9W (HMS) " " "  
Mich. State Hwy. Dept. (Contractor) " " "

MONTMORENCY, MUSKEGON, NEWAYGO,  
OAKLAND, OCEANA, OGEMAW,  
ONTONAGON, OSCEOLA

OSCODA

71st, \$124,667, Sand and Gravel, Petroleum.

Mich. State Hwy. Dept.	Contractor	Sand and gravel
Oscoda Co. Road Comm.	SE SW 15 27N 1E	" " "

OTSEGO

79th, \$30,253, Sand and Gravel, Natural Gas.

Hutchins Sand & Gravel Co.	SE NE 17 29N 3W	Sand and gravel
Straits Aggregate & Equip. Corp.	Sparr pit, Gaylord	" " "
" " " " " "	MacCoy pit, Gaylord	" " "

OTTAWA

29th, \$2,758,917, Sand and Gravel (5th, 4.8%), 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	" " "
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	"
Muskegon Gravel Co.		Sand and gravel
Ottawa Co. Road Comm.	NE SW 24 5N 15W	" " "
" " " " " "	NW NE 22 6N 13W	" " "
" " " " " "	NE 36 5N 13W	" " "
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	" " "
Rieth-Riley Constr. Co.	SE NW 4 6N 13W	" " "

PRESQUE ISLE

13th, (W), Limestone, Sand and Gravel.

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 & Equip. Corp.	NE NW 19 34N 4E	Sand and gravel

ROSCOMMON

47th, \$890,888, Petroleum, Natural Gas (7th), Sand and Gravel, Natural Gas Liquids.(6th)

Beckett Excavating	Roscommon	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Delmer Stanley Gravel Co.(final year)	SE SE 24 24N 4W	" " "
Jess Stanley Gravel	SW SW 3 22N 4W	" " "
" " " " " "	NE 28 21N 1W	" " "
Roscommon Co. Road Comm.	NW NW 32 22N 1W	" " "
" " " " " "	SE SE 30 22N 3W	" " "

SAGINAW

56th, \$478,614, Clay (for cement mfg.), Petroleum, Lime, Sand and Gravel.

Aetna Portland Cement Co.	SW 35 12N 3E	Clay (for cement mfg.)
Michigan Sugar Co.	Carrollton	Lime (for sugar mfg.)
Saginaw Co. Road Comm.		Sand and gravel

ST. CLAIR

9th, \$20,337,174, Salt, Natural Gas (1st, 27%), Cement, Petroleum (4th, 5%), Natural Gas Liquids (1st, 35%), Sand and Gravel, Clay, Peat.

Click Bros. Gravel	NE NW 27 7N 15E	Sand
Diamond Crystal Salt Co.	31 5N 17E	Salt, evaporated
Mid-Michigan Materials, Inc.	Jeddo	Sand and gravel
Mich. State Hwy. Dept.	(Contractor)	" " "
Molesworth Contracting	SE NW 29 8N 16E	" " "
" " " " " "	NE SE 8 7N 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.	NW NW 30 4N 15E	Sand
City of Marysville	Marysville	Sand and gravel

ST. JOSEPH

66th, \$256,039, 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)
Paas Brothers	Three Rivers	Sand and gravel
Roberts Brothers Marl	Kerr pit, Three Rivers	Marl
St. Joseph Co. Road Comm.		Sand and gravel
Clifford Williams	Kirby pit, Nottawa	Marl
Rieth-Riley Constr. Co.	NE NE 35 7S 10W	Sand and gravel
" " " " " "	Chupp pit, Centerville	" " "

SANILAC

60th, \$377,442 Sand and Gravel, Lime, Peat.

William Albrecht, Jr.	SW SE 31 12N 13E	Sand and gravel
J. M. Huber Corp.	N½ 14 & 11 11N 14E	Peat
Green Thumb Peat Co., Inc.	SW 2 11N 14E	Peat
" " " " " "	NE 15, E½ 10 11N 14E	Peat
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.	SW SW 31 12N 13E NW NE 36 13N 13E	" " "
" " " " " "	NE SE 18 13N 13E NW NE 17 14N 12E	" " "
" " " " " "	NW NW 34 12N 12E NW NE 19 14N 16E	" " "
" " " " " "	NW NE 1 12N 13E SW SE 5 13N 14E	" " "
" " " " " "	SE SW 31 12N 13E NE SE 24 13N 13E	" " "
" " " " " "	NW SE 28 11N 12E SW SW 21 11N 14E	" " "
" " " " " "	SE SW 21 11N 14E NE NE 3 10N 14E	" " "
" " " " " "	SE NE 5 10N 15E	" " "

SCHOOLCRAFT

82nd, \$20,000, Sand and Gravel.

Schoolcraft Co. Road Comm.	SE SW 7 41N 17W	Sand and gravel
I. L. Whitehead Co.	Cooks pit, Manistique	" " "

SHIAWASSEE

51st, \$646,303, Sand and Gravel, Clay & Shale, Peat.

Al-Par Peat Co.	Ovid	Peat (reed-sedge)
Fred Fitzgerald Gravel Co.	NW SW 22 8N 2E	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. Vitrified 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	" " "
Ronald Weaver Gravel Co.	SE SE 20 7N 2E	" " "
West Lansing Gravel Co.	22 5N 1E	" " "
Shiawassee Co. Road Comm.		" " "
Holloway Sand & Gravel Co. Inc.		" " "

TUSCOLA

33rd, \$2,145,389, Sand and gravel (8th), Petroleum, Lime Peat.

Andersen Sand & Gravel	NW SW 19 11N 9E	Sand and gravel
" " " "	NE NE 20 11N 9E	" " "
Bernthal Sand & Gravel	SW SE 31 12N 9E	" " "
Comstock Constr. Co.	NW NW 10 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 (moss)
Sargent Sand Co.	5 10N 9E	Sand and gravel
" " " "	NW 1 11N 8E	Industrial sand
Tuckey Block Co.	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	" " "
Sanilac Co. Road Comm.	NW NE 24 14N 11E	" " "
Mich. State Hwy. Dept.		" " "

VAN BUREN

64th, \$313,640, Sand and Gravel, Petroleum.

Klett Constr. Co.	SE NW 24 3S 14W	Sand and gravel
Standard Sand Co.	NE 5 2S 17W	Sand, industrial
Van Buren Co. Road Comm.		Sand and gravel
John G. Yerington	NW SE 31 4S 16W	" " "
" " " "	SE SE 12 3S 15W	" " "
" " " "	Sampsell pit, Lawton	" " "
" " " "	Boudreau pit, Laurence	" " "
Mich. State Hwy. Dept.	(Contractor)	" " "

WASHTENAW

30th, \$2,365,617, Sand and Gravel, Natural Gas Liquids (3rd), Petroleum, Natural Gas.

O. E. Gooding & Co.	NE SE 19 3S 6E	Sand and gravel
" " " " "	NE NE 15 3S 6E	" " "
" " " " "	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	" " "
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)	" " "
Thompson-McCully Sand & Gravel	NE SE 26 3S 7E	" " "

WAYNE

3rd, \$51,078,156, Cement (3rd), Salt (1st), Lime (1st), Sand and Gravel, (3rd, 5.8%), Clay (2nd), Stone, Sulfur, Natural Gas (6th), 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)
Hayes Washed Sand & Gravel Co., Inc.	SE NE 8 1S 8E	Sand and gravel
S. G. Hayes Land Devel. Co.	Northville	" " "
Holloway Sand & Gravel Co.	NW NW 18 1S 8E	" " "
International Salt Co., Inc.	SW 32 2S 11E	Rock Salt
Lightweight 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.	N½ SE 36 4S 9E	Silica Sand
Michigan Silica Co.	SW NE 15 5S 10E	" " "
Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Moore Bros. Sand & Gravel	E½ SE 9 3S 9E	" " "
Al Morgan Sand Co.	Romulus	Sand
Nankin Sand Co.	Plymouth	Sand
Peerless Cement Corp.	Detroit (2 plants)	Cement
Pennsalt Chemicals Corp.	Wyandotte	Salt (brine for chlorine mfg.)
Thomson Sand & Gravel	NW NE 8 1S 8E	Sand and gravel
Wayne Sand & Gravel Co.	NW SE 12 3S 8E	" " "
Wyandotte Chemical Corp.	Wyandotte	Salt, cement, lime
Marblehead Lime Co.	River Rouge	Lime (Limekiln only)

WEXFORD

65th, \$264,122, Sand and Gravel, Natural Gas.

Mich. State Hwy. Dept.	(Contractor)	Sand and gravel
Towns Trucking Co.	SW NW 15 21N 12W	" " "
Wexford Co. Road Comm.	(Contractor)	" " "
Wexford Gravel Co.	Cadillac	" " "
Leo Dunbar	SW NE 15 21N 9W	" " "

SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE, WEXFORD

UNDISTRIBUTED

\$2,325,566, Peat\*, Sand and Gravel.

U. S. Department of Agriculture      Various Counties      Sand and gravel

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

