Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-0994 Driller ID: Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 27-SEP-79 Other Casing Info: Case Type: Unknown Not Reported Case Diameter (in): Case Depth (ft): 76 Screen Start Depth (ft): 75 Screen End Depth (ft): 79 Static Water Level (ft): 18 Flowing: Ν 2 Test Drawdown Depth (ft): 60 Test Hours: Test Rate: 12 UNK Test Method:

 Test Rate:
 12
 Test Method:
 Ut

 Well Grouted:
 Y
 Pump Capacity (gpm):
 0

 Elevation (ft):
 868
 Specific Capacity:
 0

 Rock Top (ft):
 0

26 SSE MI WELLS MI600000500524 1/2 - 1 Mile

#### WELLS:

Lower

Well ID: 47000012595 Permit #: Not Reported Well Depth (ft): Owner: KLAIS, ALAN 64 Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 63-1133 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 07-APR-82 Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft): 64

Screen Start Depth (ft): 60 Screen End Depth (ft): 64 Ν 16 Static Water Level (ft): Flowing: Test Drawdown Depth (ft): 0 Test Hours: 2 Test Rate: 15 Test Method: UNK Well Grouted: Pump Capacity (gpm): 0 Elevation (ft): 880 Specific Capacity: 0 Rock Top (ft): 0

E27
SSW MI WELLS MI600000500534

1/2 - 1 Mile Higher

#### WELLS:

 Well ID:
 47000012606
 Permit #:
 Not Reported

 Owner:
 FLEMING, PAT
 Well Depth (ft):
 138

Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 0 Driller ID: 78-1607 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 04-DEC-90 **PVC Plastic** 

Case Type: Other Casing Info: Not Reported Case Diameter (in): 5 Case Depth (ft): 136 129 Screen End Depth (ft): 136 Screen Start Depth (ft): Flowing: Static Water Level (ft): 20 Ν Test Drawdown Depth (ft): 100 Test Hours: 1 Test Rate: 30 Test Method: UNK Well Grouted: Pump Capacity (gpm): 0 Υ Elevation (ft): 913 Specific Capacity: 0

Rock Top (ft): 0

128
WNW MI WELLS MI600000500425
1/2 - 1 Mile

WELLS:

Higher

Well ID: 47000012490 Permit #: Not Reported Owner: LAFOLLETTE, DAVID Well Depth (ft): 145 Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported

Water Supply Serial #: Well #: Not Reported 0 47-0687 Drill Method: ROTARY Driller ID: Other Method Info: Not Reported Construction Date: 02-JUN-89 Case Type: Steel-black Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 103 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 20 Flowing: Ν Test Drawdown Depth (ft): 100 Test Hours: 3 Test Rate: 30 Test Method: UNK Well Grouted: 0 Υ Pump Capacity (gpm): Elevation (ft): 915 Specific Capacity: 0 Rock Top (ft): 103

H29 SSE MI WELLS MI600000500521

1/2 - 1 Mile Lower

WELLS:

Well ID: 47000012592 Permit #: Not Reported WATERS, CLYDE Well Depth (ft): Owner: 94 Other Type Info: Well Type: Household Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-0994 Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 10-MAY-79 Case Type: Other Casing Info: Not Reported Unknown

Case Diameter (in): Case Depth (ft): 91 Screen Start Depth (ft): 90 Screen End Depth (ft): 94 Static Water Level (ft): 8 Flowing: Ν Test Drawdown Depth (ft): 25 Test Hours: 2 Test Rate: 15 Test Method: UNK Well Grouted: Pump Capacity (gpm): Υ 0 Elevation (ft): 870 Specific Capacity: 0 Rock Top (ft): 0

30 NW MI WELLS MI600000526698 1/2 - 1 Mile

WELLS:

Higher

Well ID: 47000041330 Permit #: 96-1799NW

Owner: HILLSIDE HOMES Well Depth (ft): 80

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-0687 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 23-JUN-97 Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft):

Screen Start Depth (ft): 72 Screen End Depth (ft): 80 Static Water Level (ft): 30 Flowing: Ν 0 Test Hours: 0 Test Drawdown Depth (ft): Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0 0

Rock Top (ft):

H31 MI WELLS MI600000500523 SSE 1/2 - 1 Mile

Lower

### WELLS:

Well ID: 47000012594 Permit #: Not Reported Owner: WILLIAMS, MARIE Well Depth (ft):

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: Driller ID: 47-0994 Drill Method: Cable Tool Other Method Info: 04-AUG-78 Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 4 Case Depth (ft): 68 68 72 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 35 Flowing: Ν Test Drawdown Depth (ft): 50 Test Hours: 2 Test Rate: 15 Test Method: UNK Well Grouted: Pump Capacity (gpm): Υ 0 Elevation (ft): 868 Specific Capacity: 0 Rock Top (ft): 0

East **MI WELLS** MI6000000527252 1/2 - 1 Mile Higher

### WELLS:

Well ID: 47000041905 98-1927NW Permit #: Owner: **ROD PIERON** Well Depth (ft): 56

Not Reported Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Water Supply Serial #: Well #: Not Reported 47-1924 Drill Method: **ROTARY** Driller ID:

Other Method Info: Not Reported Construction Date: 18-MAY-99 Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): n Case Depth (ft): n Screen Start Depth (ft): 51 Screen End Depth (ft): 56 Static Water Level (ft): 3 Flowing: Ν

0 Test Drawdown Depth (ft): Test Hours: 0 0 Test Rate: Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0

Elevation (ft): 0 Specific Capacity: 0 Rock Top (ft): 0

33 WSW MI WELLS MI600000526996 1/2 - 1 Mile

Higher

WELLS:

Well ID: 47000041639 Permit #: Not Reported Owner: WITT BUILDING CO Well Depth (ft): 40 Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Water Supply Serial #: Well #: Not Reported Driller ID: 47-0819 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 08-DEC-92 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 0 Case Depth (ft): Screen Start Depth (ft): 36 Screen End Depth (ft): 40 Static Water Level (ft): 6 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 UNK Test Method: Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft):

F34
ENE MI WELLS MI600000500407
1/2 - 1 Mile

Higher

WELLS:

Well ID: 47000012472 Permit #: Not Reported Owner: GARRATT, WILLIS Well Depth (ft): 154 Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Active Not Reported Water Supply Serial #: Well #: Not Reported ROTARY 47-0026 Drill Method: Driller ID: Other Method Info: Not Reported Construction Date: 26-SEP-88 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 107 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 37.5 Flowing: Ν Test Drawdown Depth (ft): 55 Test Hours: 2 Test Rate: 15 UNK Test Method: Well Grouted: Pump Capacity (gpm): 0 915 0 Elevation (ft): Specific Capacity:

Rock Top (ft): 95

J35
ENE MI WELLS MI600000500527

1/2 - 1 Mile Higher

WELLS:

Well ID: 47000012598 Permit #: Not Reported

Owner: WIRTH, MELVIN Well Depth (ft): 151

Well Type: Household Other Type Info: Not Reported Not Reported Well Status: Active Other Status Info: Water Supply Serial #: Well #: Not Reported 0 ROTARY 47-0026 Drill Method: Driller ID: 26-APR-78 Other Method Info: Not Reported Construction Date: Case Type: Steel-black Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 110 0 Screen Start Depth (ft): Screen End Depth (ft): 0 Static Water Level (ft): 65 Ν Flowing: Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 880 Specific Capacity: 0

Rock Top (ft): 101

36 SW MI WELLS MI600000526995 1/2 - 1 Mile

Higher

#### WELLS:

 Well ID:
 47000041638
 Permit #:
 Not Reported

Owner: WITT BUILDING CO Well Depth (ft): 58

Other Type Info: Well Type: Household Not Reported Other Status Info: Not Reported Well Status: Active Water Supply Serial #: Well #: Not Reported 47-0819 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 09-DEC-92 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 0 Case Depth (ft): 0 Screen Start Depth (ft): 54 Screen End Depth (ft): 58 Static Water Level (ft): 8 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

K37 SSW MI WELLS MI600000516155 1/2 - 1 Mile

Higher WELLS:

Well ID: 4700030173 Permit #: 2012-00370

Owner: RODNEY ROWSE Well Depth (ft): 54

Other Type Info: Well Type: Not Reported Household Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1861 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 05-FEB-13 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 50 Screen Start Depth (ft): 50 Screen End Depth (ft): 54 29 Flowing: Ν Static Water Level (ft): Test Drawdown Depth (ft): 54 Test Hours: 2 Test Rate: 25 Test Method: AIR

Well Grouted: Y Pump Capacity (gpm): 12
Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

WELLS:

Well ID: 47000018490 Permit #: 00-0170 RW MIKE TARTAGLIS Well Depth (ft): 118 Owner: Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-0027 Drill Method: Cable Tool 22-FEB-00 Other Method Info: Not Reported Construction Date: Case Type: Steel-black Other Casing Info: Not Reported

Case Diameter (in):5Case Depth (ft):113Screen Start Depth (ft):0Screen End Depth (ft):0Static Water Level (ft):42Flowing:NTest Drawdown Depth (ft):70Test Hours:4

Test Rate: 20 Test Method: TSTPUM Well Grouted: Y Pump Capacity (gpm): 20 Elevation (ft): 910 Specific Capacity: .28571429

Rock Top (ft): 88

139 WNW MI WELLS MI600000500424 1/2 - 1 Mile

WELLS:

Higher

47000012489 Well ID: Permit #: Not Reported Owner: ERICKSON, JOHN Well Depth (ft): 50 Other Type Info: Well Type: Household Not Reported Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: 0 Driller ID: 47-1924 Drill Method: ROTARY 28-JUN-90 Other Method Info: Not Reported Construction Date: Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 45 Screen Start Depth (ft): 46 Screen End Depth (ft): 50 Static Water Level (ft): 7 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 2 Test Rate: 20 Test Method: UNK Well Grouted: Υ Pump Capacity (gpm): 0 915 0 Elevation (ft): Specific Capacity:

0

L40 WNW 1/2 - 1 Mile Higher

Rock Top (ft):

MI WELLS MI600000519838

WELLS:

Well ID: 47000034321 Permit #: 2019-00222 Owner: Keith Gordon Well Depth (ft): 158 Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Not Reported Water Supply Serial #: 0 Well #: Drill Method: ROTARY Driller ID: 47-1924 Other Method Info: Not Reported Construction Date: 16-DEC-19 Case Type: **PVC Plastic** Other Casing Info: Not Reported Case Diameter (in): 5 Case Depth (ft): 95 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 40 Flowing: Ν Test Drawdown Depth (ft): 158 Test Hours: 1 Test Rate: 100 Test Method: AIR

Well Grouted:

Y
Pump Capacity (gpm):
Elevation (ft):

0
Specific Capacity:
Rock Top (ft):

91

J41

East 1/2 - 1 Mile Higher

#### WELLS:

 Well ID:
 4700040552
 Permit #:
 98-1273NW

 Owner:
 PIERON BLDG.
 Well Depth (ft):
 60

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1924 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 19-OCT-98 Unknown Not Reported Case Type: Other Casing Info:

Case Diameter (in): Case Depth (ft): 0 0 Screen Start Depth (ft): 56 Screen End Depth (ft): 60 Static Water Level (ft): 8 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 0 Test Rate: Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Specific Capacity: Elevation (ft): 0

Rock Top (ft): 0

L42
WNW
MI WELLS
MI6000000526111
1/2 - 1 Mile
Higher

### WELLS:

Well ID: 4700040740 Permit #: 96-1793NW

Owner: DENNIS RODDENBERG Well Depth (ft): 58

Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Water Supply Serial #: Well #: Not Reported Driller ID: 47-1580 Drill Method: **ROTARY** 06-NOV-96 Construction Date: Other Method Info: Not Reported Case Type: Unknown Other Casing Info: Not Reported

 Case Diameter (in):
 0
 Case Depth (ft):
 0

 Screen Start Depth (ft):
 0
 Screen End Depth (ft):
 0

 Static Water Level (ft):
 10
 Flowing:
 N

 Test Drawdown Depth (ft):
 0
 Test Hours:
 0

10

MI600000525929

0

MI WELLS

 Test Rate:
 0
 Test Method:
 UNK

 Well Grouted:
 U
 Pump Capacity (gpm):
 0

 Elevation (ft):
 0
 Specific Capacity:
 0

 Rock Top (ft):
 50

43 East MI WELLS MI600000527249

1/2 - 1 Mile Higher

### WELLS:

Well ID: 47000041902 Permit #: 98-1274NW PIERON BLDG Well Depth (ft): Owner: 117 Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 47-1924 Drill Method: **ROTARY** Driller ID: 03-NOV-98 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 0 Case Depth (ft): 0

Screen Start Depth (ft): 0 Screen End Depth (ft): 0 35 Flowing: Ν Static Water Level (ft): Test Hours: 0 Test Drawdown Depth (ft): 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 0 Elevation (ft): Specific Capacity: 0

Rock Top (ft): 78

M44
NE MI WELLS MI600000519882

1/2 - 1 Mile Higher

### WELLS:

Rock Top (ft):

Well ID: 4700034371 Permit #: WEL2020-00007

Owner: PHYLLIS MISENAR Well Depth (ft): 102

Well Type: Household Other Type Info: Not Reported Not Reported Well Status: Active Other Status Info: Water Supply Serial #: Well #: Not Reported 0 Drill Method: ROTARY Driller ID: 47-1861 Other Method Info: Not Reported Construction Date: 20-JAN-20 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 94 Screen Start Depth (ft): 94 Screen End Depth (ft): 102 Static Water Level (ft): 30 Flowing: Ν Test Drawdown Depth (ft): 102 Test Hours: 1 40 AIR Test Rate: Test Method: Well Grouted: Υ Pump Capacity (gpm): 10 Elevation (ft): 0 Specific Capacity: 0

0

Map ID Direction Distance

Elevation Database EDR ID Number

NE 1/2 - 1 Mile Higher

M45

MI WELLS MI600000519883

#### WELLS:

Well ID: 47000034372 Permit #: WEL2020-00007

Owner: PHYLLIS MISENAR Well Depth (ft): 110

Well Type: Household Other Type Info: Not Reported Well Status: Plugged/Abandoned Other Status Info: Not Reported Water Supply Serial #: 0 Well #: Not Reported Driller ID: 47-1861 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 17-JAN-20 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 102 0 0 Screen Start Depth (ft): Screen End Depth (ft): Flowing: Static Water Level (ft): 0 Ν Test Drawdown Depth (ft): 0 Test Hours: 0

Test Rate: 0 Test Method: Not Reported

Well Grouted: Y Pump Capacity (gpm): 0
Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

M46
NE
1/2 - 1 Mile
MI WELLS
MI600000500400

1/2 - 1 Mile Higher

# WELLS:

 Well ID:
 4700012465
 Permit #:
 Not Reported

 Owner:
 BRICKER, JACK
 Well Depth (ft):
 100

Well Type: Household Other Type Info: Not Reported Not Reported Well Status: Other Status Info: Active Well #: Not Reported Water Supply Serial #: Drill Method: Driller ID: 78-1213 Cable Tool Other Method Info: Not Reported Construction Date: 21-JUL-77 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 96 4 Screen Start Depth (ft): 96 100 Screen End Depth (ft): Static Water Level (ft): 40 Flowing: Ν Test Drawdown Depth (ft): 55 Test Hours: 2 Test Rate: 20 Test Method: UNK Pump Capacity (gpm): Ν Well Grouted: 0 905 0 Elevation (ft): Specific Capacity:

Rock Top (ft): 0

M47 NE MI WELLS MI600000500398

1/2 - 1 Mile Higher

WELLS:

Well ID: 4700012463 Permit #: Not Reported

Owner: WROBLEWSKI, MICHAEL Well Depth (ft): 86

Well Type: Household Other Type Info: Not Reported

Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 81-1586 Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 19-OCT-78 Other Casing Info: Case Type: Unknown Not Reported Case Diameter (in): Case Depth (ft): 86

Screen Start Depth (ft): 81 Screen End Depth (ft): 86 Static Water Level (ft): 27 Flowing: Ν 2 Test Drawdown Depth (ft): 29 Test Hours: Test Rate: 12 UNK Test Method: Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 900 Specific Capacity: 0

Rock Top (ft): 0

N48 MI WELLS MI600000500529 South 1/2 - 1 Mile

#### WELLS:

Higher

Well ID: 47000012600 Permit #: Not Reported Well Depth (ft): Owner: NOBLE, RAY 102

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-1854 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 11-DEC-89 Steel-black Case Type: Other Casing Info: Not Reported

Case Diameter (in): 4 Case Depth (ft): 98 Screen Start Depth (ft): 98 Screen End Depth (ft): 102 20 Static Water Level (ft): Flowing: Ν Test Drawdown Depth (ft): 40 Test Hours: 2 Test Rate: 20 Test Method: UNK Well Grouted: Pump Capacity (gpm): 0 Elevation (ft): 903 Specific Capacity: 0 n

Rock Top (ft):

K49 MI WELLS MI600000527244 SSW 1/2 - 1 Mile

#### WELLS:

Higher

Well ID: 47000041897 Permit #: 95-1270NW **B.D.DONOVAN** Well Depth (ft): Owner:

Well Type: Household Other Type Info: Not Reported Other Status Info: Not Reported Well Status: Active Water Supply Serial #: Well #: Not Reported 0 Driller ID: 47-1580 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 20-NOV-95

Case Type: Other Casing Info: Not Reported Case Diameter (in): 0 Case Depth (ft): 81 Screen End Depth (ft): 85 Screen Start Depth (ft): Flowing: Static Water Level (ft): 42 Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Unknown

Rock Top (ft): 0

K50 SSW MI WELLS MI600000527140 1/2 - 1 Mile

WELLS:

Higher

Well ID: 47000041788 95-1270NW Permit #: Owner: **B.D. DONOVAN** Well Depth (ft): 138 Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 47-1580 Drill Method: ROTARY Driller ID: Other Method Info: Not Reported Construction Date: 15-DEC-95 Case Type: Other Casing Info: Not Reported Unknown Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 134 Screen End Depth (ft): 138 Static Water Level (ft): 42 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U 0 Pump Capacity (gpm): 0 Elevation (ft): Specific Capacity: 0

O51
ESE MI WELLS MI600000500530
1/2 - 1 Mile

WELLS:

Higher

Rock Top (ft):

0

Well ID: 47000012602 Permit #: Not Reported JOHNSON, CLIFF Well Depth (ft): Owner: 130 Other Type Info: Well Type: Household Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-0026 Drill Method: ROTARY Other Method Info: Not Reported Construction Date: 18-AUG-71 Case Type: Other Casing Info: Not Reported Unknown Case Diameter (in): 4 Case Depth (ft): 90 Screen Start Depth (ft): 0 Screen End Depth (ft): 0

Static Water Level (ft): 20 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: Pump Capacity (gpm): Υ 0 Elevation (ft): 890 Specific Capacity: 0 Rock Top (ft): 82

L52 WNW MI WELLS MI600000500421 1/2 - 1 Mile

WELLS:

Higher

 Well ID:
 47000012486
 Permit #:
 Not Reported

Owner: HAMILTON, SAMUEL Well Depth (ft): 145

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 25-1947 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 20-JUL-90 **PVC Plastic** Case Type: Other Casing Info: Not Reported Case Diameter (in): 5 Case Depth (ft): 111

Screen Start Depth (ft): 0 Screen End Depth (ft): 25 Static Water Level (ft): Flowing: Ν 80 Test Hours: Test Drawdown Depth (ft): 1 Test Rate: 25 Test Method: UNK Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 915 Specific Capacity: 0

Rock Top (ft): 100

SW MI WELLS MI600000500494 1/2 - 1 Mile

Higher

### WELLS:

Well ID: 47000012565 Permit #: Not Reported Owner: BIELOUS, EUGENE Well Depth (ft):

Well Type: Household Other Type Info:

Not Reported Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: Driller ID: 47-0026 Drill Method: Hollow Rod Other Method Info: 22-JUL-67 Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 2 Case Depth (ft): 27.5 27.5 30 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 10 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 1 Test Rate: 15 Test Method: UNK Well Grouted: Pump Capacity (gpm): Υ 0 Elevation (ft): 920 Specific Capacity: 0

Rock Top (ft): 0

**MI WELLS** MI6000000508836 **ENE** 

1/2 - 1 Mile Higher

### WELLS:

Well ID: 47000021418 Permit #: Not Reported Owner: **CRAIG DOUGLAS** Well Depth (ft):

Not Reported Well Type: Household Other Type Info:

Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 47-1833 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 12-AUG-02 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 52 52 58 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 29 Flowing: Ν 2 Test Drawdown Depth (ft): 50 Test Hours: Test Rate: 15 Test Method: AIR Well Grouted: Υ Pump Capacity (gpm): 12

Elevation (ft): 0 Specific Capacity: 0 Rock Top (ft): 0

P55
ENE MI WELLS MI600000500401
1/2 - 1 Mile

Higher

WELLS:

Well ID: 47000012466 Permit #: Not Reported Owner: MOULES, JOHN Well Depth (ft): 154 Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-0026 Drill Method: Hollow Rod Other Method Info: Not Reported Construction Date: 01-NOV-66 Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 2 Case Depth (ft): 135 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 40 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 4.5 Test Rate: 7 UNK Test Method: Well Grouted: Ν Pump Capacity (gpm): 0 Elevation (ft): 912 Specific Capacity: 0 Rock Top (ft): 113

56 ESE MI WELLS MI600000527251 1/2 - 1 Mile

Higher

WELLS:

Well ID: 47000041904 96-1927NW Permit #: **CULEN BUILDERS** Owner: Well Depth (ft): 107 Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Active Not Reported Water Supply Serial #: 0 Well #: Not Reported 47-1833 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 17-JUL-99 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 0 Case Depth (ft): Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 38 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 UNK Test Method: Well Grouted: U Pump Capacity (gpm): 0 0 Elevation (ft): 0 Specific Capacity:

Rock Top (ft): 71

Q57
ENE MI WELLS MI600000500399

1/2 - 1 Mile Higher

WELLS:

Well ID: 47000012464 Permit #: Not Reported

Owner: GOLM, GORDON Well Depth (ft): 148

Well Type: Household Other Type Info: Not Reported Not Reported Well Status: Active Other Status Info: Water Supply Serial #: Well #: Not Reported 0 ROTARY 47-0026 Drill Method: Driller ID: Other Method Info: Not Reported Construction Date: 20-AUG-69 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 120 0 Screen Start Depth (ft): Screen End Depth (ft): 0 Static Water Level (ft): 30 Ν Flowing: Test Drawdown Depth (ft): 90 Test Hours: 0 Test Rate: 10 Test Method: UNK Well Grouted: Ν Pump Capacity (gpm): 0 Elevation (ft): 900 Specific Capacity: 0 Rock Top (ft): 0

N58 MI WELLS MI6000000527245 South 1/2 - 1 Mile Higher

#### WELLS:

47000041898 95-0350NW Well ID: Permit #: Owner: **EBI INCORPORATED** Well Depth (ft):

Well Type: Household Other Type Info:

Not Reported Well Status: Other Status Info: Not Reported Active Water Supply Serial #: Well #: Not Reported 47-1580 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 09-JUN-95 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 0 Case Depth (ft): 0 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 28 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 UNK Test Method: Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 88

P59 ENE 1/2 - 1 Mile MI WELLS MI6000000526033

# Higher WELLS:

Well ID: 47000040657 Permit #: 91-1219R Well Depth (ft): MR MOULES Owner: 154

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-1580 Driller ID: Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 19-AUG-91 Case Type: Not Reported Unknown

Other Casing Info: Case Diameter (in): 0 Case Depth (ft): Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 39 Flowing: Ν 0 Test Drawdown Depth (ft): Test Hours: n Test Rate: 0 Test Method: UNK

Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 105

ENE MI WELLS MI600000527181 1/2 - 1 Mile

Higher

WELLS:

Well ID: 47000041832 Permit #: Not Reported **EMERSON & JOYCE BALLMER** Well Depth (ft): 135 Owner: Well Type: Other Type Info: Household Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 47-1023 Drill Method: Driller ID: Other **CABLE TOOL & BORED** 13-DEC-71 Other Method Info: Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 0 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 27 Flowing: Ν Test Drawdown Depth (ft): 0 0 Test Hours: 0 UNK Test Rate: Test Method: Well Grouted: U Pump Capacity (gpm): 0 Specific Capacity: 0

Elevation (ft): 0 Rock Top (ft): 0

R61 South MI WELLS MI600000500511 1/2 - 1 Mile

Higher

WELLS:

47000012582 Well ID: Permit #: Not Reported Owner: HOEKSTRA, PETER Well Depth (ft): 77 Other Type Info: Well Type: Household Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 Driller ID: 47-1854 Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 19-JUL-85 Case Type: Steel-black Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 73 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 25 Flowing: Ν Test Drawdown Depth (ft): 50 Test Hours: 2 Test Rate: 15 Test Method: UNK Well Grouted: Ν Pump Capacity (gpm): 0 882 0 Elevation (ft): Specific Capacity:

Rock Top (ft): 0

**S62 MI WELLS** MI600000526021 East

1/2 - 1 Mile Lower

WELLS:

Well ID: 47000040645 Permit #: Not Reported

Owner: PLEASANT VALLEY BAPTIST CHURCH

Well Depth (ft): Well Type: Household Well Status: Other Type Info: Not Reported Active Other Status Info: Not Reported Water Supply Serial #: 0 Well #: Not Reported Driller ID: 47-1607 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 04-MAR-93 Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 0 Screen Start Depth (ft): 0 Case Depth (ft): Screen End Depth (ft): 0 Static Water Level (ft): 20 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: **UNK** Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Rock Top (ft): 80 Specific Capacity: 0

63

NW 1/2 - 1 Mile Higher

#### WELLS:

Owner: DANILLE THOMPSON Well Depth (ft): 53

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1580 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 14-SEP-95 Not Reported Case Type: Unknown Other Casing Info:

Case Diameter (in): Case Depth (ft): 0 0 Screen Start Depth (ft): 49 Screen End Depth (ft): 53 Static Water Level (ft): 30 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 0 Test Rate: Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Specific Capacity: Elevation (ft): 0

Rock Top (ft): 0

T64
ENE MI WELLS MI600000500412

1/2 - 1 Mile Higher

### WELLS:

 Well ID:
 4700012477
 Permit #:
 Not Reported

 Owner:
 HOFFMEYER, JACK
 Well Depth (ft):
 147

Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Water Supply Serial #: Well #: Not Reported Drill Method: Cable Tool Driller ID: 47-0026 Construction Date: Other Method Info: 01-APR-68 Not Reported Case Type: Unknown Other Casing Info: Not Reported

 Case Diameter (in):
 4
 Case Depth (ft):
 126

 Screen Start Depth (ft):
 0
 Screen End Depth (ft):
 0

 Static Water Level (ft):
 60
 Flowing:
 N

 Test Drawdown Depth (ft):
 100
 Test Hours:
 2

MI WELLS

MI6000000526204

Test Rate:20Test Method:UNKWell Grouted:NPump Capacity (gpm):0Elevation (ft):915Specific Capacity:0Rock Top (ft):0

U65 SSW MI WELLS MI600000527243 1/2 - 1 Mile

1/2 - 1 Mile Higher

### WELLS:

Well ID: 47000041896 Permit #: 95-0530NW **B.D. DONOVAN** Well Depth (ft): Owner: 45 Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 47-1580 Drill Method: **ROTARY** Driller ID: 09-JUN-95 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 0 Case Depth (ft): 0 Screen Start Depth (ft): 41 Screen End Depth (ft): 44 15 Flowing: Ν Static Water Level (ft): 0 0

Rock Top (ft): 0

O66
ESE MI WELLS MI600000500518

1/2 - 1 Mile Higher

### WELLS:

Well ID: 47000012589 Permit #: Not Reported Well Depth (ft): Owner: NASH, CLYDE 120 Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 Drill Method: ROTARY Driller ID: 47-0026 Other Method Info: Not Reported Construction Date: 21-AUG-69 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 95.5 4 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 10 Flowing: Ν Test Drawdown Depth (ft): 25 Test Hours: 0 25 UNK Test Rate: Test Method: Well Grouted: Pump Capacity (gpm): 0 Υ Elevation (ft): 890 Specific Capacity: 0 Rock Top (ft): 85

Map ID Direction Distance

Elevation Database EDR ID Number

North 1/2 - 1 Mile MI WELLS MI600000500402

WELLS:

Lower

Well ID: 47000012467 Permit #: Not Reported

Owner: HOWE, BOB Well Depth (ft): 63

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 47-0026 Driller ID: Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 09-JUL-82 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 59 59 63 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 12 Flowing: Ν Test Drawdown Depth (ft): 40 Test Hours: 1.5 Test Rate: 20 Test Method: UNK Well Grouted: Ν Pump Capacity (gpm): 0 Elevation (ft): 870 Specific Capacity: 0

Rock Top (ft):

R68 SSE MI WELLS MI600000500532

1/2 - 1 Mile Lower

WELLS:

 Well ID:
 47000012604
 Permit #:
 Not Reported

Owner: BIRDSONG, KEVIN Well Depth (ft): 43

Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Active Not Reported Well #: Not Reported Water Supply Serial #: 0 47-1833 Drill Method: Driller ID: Cable Tool Other Method Info: Not Reported Construction Date: 24-SEP-88 Case Type: Steel-black Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 39 4 Screen Start Depth (ft): 39 43 Screen End Depth (ft): Static Water Level (ft): 6 Flowing: Ν Test Drawdown Depth (ft): 20 Test Hours: 2 Test Rate: 20 Test Method: UNK Pump Capacity (gpm): Well Grouted: Υ 0 877 0 Elevation (ft): Specific Capacity:

Rock Top (ft): 0

V69 NNE MI WELLS MI600000500403

1/2 - 1 Mile Higher

WELLS:

Well ID: 4700012468 Permit #: Not Reported

Owner: KESKI, ERIC Well Depth (ft): 70

Well Type: Household Other Type Info: Not Reported

Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-0026 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 02-JAN-89 Other Casing Info: Case Type: Steel-black Not Reported Case Diameter (in): Case Depth (ft): 70

Screen Start Depth (ft): 66 Screen End Depth (ft): 70 Static Water Level (ft): 25 Flowing: Ν 35 Test Drawdown Depth (ft): Test Hours: 0 Test Rate: 15 UNK Test Method: Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 892 Specific Capacity: 0

Rock Top (ft): 0

\$70 East MI WELLS MI600000508199 1/2 - 1 Mile

#### WELLS:

Higher

 Well ID:
 4700020771
 Permit #:
 00-1981NW

 Owner:
 BETH HAULIK
 Well Depth (ft):
 158

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Not Reported Well #: 47-2269 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 07-SEP-01 **PVC Plastic** Case Type: Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 87 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 40 Static Water Level (ft): Flowing: Ν Test Drawdown Depth (ft): 158 Test Hours: 1.5 Test Rate: 10 Test Method: **AIR** Well Grouted: Υ Pump Capacity (gpm): 10 Elevation (ft): Specific Capacity: 0 0

Rock Top (ft): 60

U71
SSW
MI WELLS MI600000527242
1/2 - 1 Mile
Higher

#### WELLS:

 Well ID:
 4700041895
 Permit #:
 95-0457NW

 Owner:
 B.D. DONOVAN
 Well Depth (ft):
 129

Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 0 Driller ID: 47-1580 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 09-JUN-95 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 0 Case Depth (ft): 125 Screen End Depth (ft): 129 Screen Start Depth (ft): Flowing: Static Water Level (ft): 51 Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

W72 South MI WELLS MI600000500513 1/2 - 1 Mile

WELLS:

Higher

Well ID: 47000012584 Permit #: Not Reported Owner: JOHNSON, MILTON Well Depth (ft): 100 Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 0 47-1854 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 26-APR-86 Case Type: Steel-black Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft): 96 Screen Start Depth (ft): 96 Screen End Depth (ft): 100 Static Water Level (ft): 22 Flowing: Ν Test Drawdown Depth (ft): 60 Test Hours: 2

Static Water Level (ft):22Flowing:NTest Drawdown Depth (ft):60Test Hours:2Test Rate:15Test Method:UNKWell Grouted:NPump Capacity (gpm):0Elevation (ft):900Specific Capacity:0

Rock Top (ft): 0

73
SE
MI WELLS MI600000527237
1/2 - 1 Mile
Higher

WELLS:

Well ID: 47000041889 Permit #: Not Reported DALE BADER Well Depth (ft): Owner: 78 Household Other Type Info: Well Type: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-2072 Drill Method: **ROTARY** 03-SEP-91 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 0 Case Depth (ft): 0 Screen Start Depth (ft): 68 Screen End Depth (ft): 78 Static Water Level (ft): 5 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: Pump Capacity (gpm): U 0 Elevation (ft): 0 Specific Capacity: 0 0 Rock Top (ft):

V/4
NNE MI WELLS MI600000500409

1/2 - 1 Mile Higher

WELLS:

 Well ID:
 47000012474
 Permit #:
 Not Reported

Owner: WOJNAR, FREDERICK Well Depth (ft): 58

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 67-1854 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 18-NOV-86 Case Type: Steel-black Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft): 54 Screen Start Depth (ft): 54 Screen End Depth (ft): 58

30 Ν Static Water Level (ft): Flowing: 45 Test Hours: 2 Test Drawdown Depth (ft): UNK Test Rate: 15 Test Method: Well Grouted: Ν Pump Capacity (gpm): 0 Elevation (ft): 902 Specific Capacity: 0

Rock Top (ft): 0

T75
ENE MI WELLS MI600000500406
1/2 - 1 Mile

Higher WELLS:

Well ID: 4700012471 Permit #: Not Reported

Owner: HOFFMEYER, DAVID Well Depth (ft): 180

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: Driller ID: 47-0026 Drill Method: **ROTARY** Other Method Info: Not Reported 23-DEC-87 Construction Date: Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 125 0 0 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 29 Flowing: Ν Test Drawdown Depth (ft): 120 Test Hours: 2 Test Rate: 15 Test Method: UNK Pump Capacity (gpm): Well Grouted: Υ 0 Elevation (ft): 910 Specific Capacity: 0

Rock Top (ft): 120

R76 South MI WELLS MI600000500514 1/2 - 1 Mile

Higher

**WELLS:**Well ID: 47000012585 Permit #:

 Well ID:
 4700012585
 Permit #:
 Not Reported

 Owner:
 FERRY, HERBERT
 Well Depth (ft):
 95

Well Type: Household Other Type Info: Not Reported

Not Reported Other Status Info: Well Status: Active Water Supply Serial #: Well #: Not Reported 47-1854 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 26-APR-86 Case Type: Steel-black Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 91 91 95 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 20 Flowing: Ν Test Drawdown Depth (ft): 60 Test Hours: 2 20 UNK Test Rate: Test Method: Well Grouted: Ν Pump Capacity (gpm): 0

Elevation (ft): 888 Specific Capacity: 0
Rock Top (ft): 0

W77
South MI WELLS MI600000500526
1/2 - 1 Mile
Higher

WELLS:

 Well ID:
 4700012597
 Permit #:
 Not Reported

 Owner:
 SCHLAGER, CARL
 Well Depth (ft):
 91

 Well Table 1
 Other Table 1
 Not Reported

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1854 Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 16-AUG-89 Steel-black Not Reported Case Type: Other Casing Info:

Case Diameter (in): Case Depth (ft): 87 Screen Start Depth (ft): 87 Screen End Depth (ft): 91 Static Water Level (ft): 35 Flowing: Ν 2 Test Drawdown Depth (ft): Test Hours: 16 Test Rate: 0 UNK Test Method: Well Grouted: Ν Pump Capacity (gpm): 0 Elevation (ft): 903 Specific Capacity: 0 Rock Top (ft): 0

X78
West MI WELLS MI600000500501
1/2 - 1 Mile
Higher

WELLS:

Well ID: 47000012572 Permit #: Not Reported COBB, RANDALL Owner: Well Depth (ft): 149 Well Type: Household Other Type Info: Not Reported Other Status Info: Not Reported Well Status: Active

Water Supply Serial #: 0 Well #: Not Reported 47-1580 ROTARY Drill Method: Driller ID: Other Method Info: Not Reported Construction Date: 05-DEC-89 Steel-black Case Type: Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 145 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 42 Flowing: Ν Test Drawdown Depth (ft): 70 Test Hours: 1 Test Rate: 18 UNK Test Method: Well Grouted: Υ Pump Capacity (gpm): 0 921 0 Elevation (ft): Specific Capacity: 0 Rock Top (ft):

NE MI WELLS MI600000506524
1/2 - 1 Mile

Higher WELLS:

Well ID: 4700019055 Permit #: 99-2256NW

TC7847279.2s Page A-42

Owner: MIKE ONDERCHANIN Well Depth (ft):

Well Type: Household Other Type Info: Not Reported Not Reported Well Status: Active Other Status Info: Water Supply Serial #: Well #: Not Reported 0 47-0027 Drill Method: Cable Tool Driller ID: 21-SEP-00 Other Method Info: Not Reported Construction Date: Case Type: Steel-black Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 59 59 Screen Start Depth (ft): Screen End Depth (ft): 64 Static Water Level (ft): 10 Flowing: Ν Test Drawdown Depth (ft): 62 Test Hours: 4 Test Rate: 15 Test Method: **TSTPUM** 

Well Grouted: Υ Pump Capacity (gpm): 15

.24193548 Elevation (ft): 0 Specific Capacity:

Rock Top (ft): 0

Y80 MI WELLS MI600000500533 East 1/2 - 1 Mile

Higher

#### WELLS:

47000012605 Well ID: Permit #: Not Reported

Owner: PLEASANT VALLEY BAPTIST CHURCH

Well Depth (ft): Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-0994 Driller ID: Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 02-NOV-76 Case Type: Unknown Not Reported Case Diameter (in): Other Casing Info: 4 Case Depth (ft): Screen Start Depth (ft): 0 115 Screen End Depth (ft): 0 Static Water Level (ft): 50 Flowing: Ν Test Drawdown Depth (ft): 60 Test Hours: Test Rate: 2 15 UNK Well Grouted: Test Method: Υ 880 Pump Capacity (gpm): 0 Elevation (ft): Specific Capacity: 0 Rock Top (ft): 98

NNW MI WELLS MI6000000500410 1/2 - 1 Mile

Lower

# WELLS:

Well ID: 47000012475 Permit #: Not Reported KULASZEWSKI, ROBERT Well Depth (ft): Owner: 69

Other Type Info: Well Type: Household Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1924 Drill Method: **ROTARY** Other Method Info: 06-FEB-91 Not Reported Construction Date: Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 63 Screen Start Depth (ft): 63 Screen End Depth (ft): 69 Flowing: Static Water Level (ft): 5 Ν Test Drawdown Depth (ft): 69 Test Hours: 2 Test Rate: 10 Test Method: UNK

Well Grouted: Y Pump Capacity (gpm): 0
Elevation (ft): 865 Specific Capacity: 0

Rock Top (ft): 0

82 SSW MI WELLS MI600000512701 1/2 - 1 Mile Higher

WELLS:

Well ID: 47000025767 Permit #: 2005-00746 LIVINGSTON COUNTY AIRPORT Well Depth (ft): 503 Owner: Well Type: Other Type Info: Not Reported Irrigation Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 13-1593 Drill Method: **ROTARY** 19-AUG-05 Other Method Info: Not Reported Construction Date: **PVC Plastic** Case Type: Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 140 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 56 Flowing: Ν Test Drawdown Depth (ft): 135 Test Hours: 1 Test Rate: AIR 25 Test Method: Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 332

Y83
East MI WELLS MI6000000527250
1/2 - 1 Mile

WELLS:

Higher

47000041903 99-1705RW Well ID: Permit #: DON L Owner: Well Depth (ft): 139 Other Type Info: Well Type: Household Not Reported Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: 0 Driller ID: 47-1833 Drill Method: ROTARY 09-SEP-99 Other Method Info: Not Reported Construction Date: Not Reported

Case Type: Unknown Other Casing Info: Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 42 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK U Well Grouted: Pump Capacity (gpm): 0 0 0 Elevation (ft): Specific Capacity:

Rock Top (ft): 90

Tast MI WELLS MI600000527234
1/2 - 1 Mile

WELLS:

Higher

Well ID: 47000041886 Permit #: Not Reported Owner: **GARY LAMBERT** Well Depth (ft): 138

Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Not Reported Water Supply Serial #: 0 Well #: Drill Method: ROTARY Driller ID: 47-1296 Other Method Info: Not Reported Construction Date: 10-NOV-92 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 0 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 21 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 105

Z85 WSW 1/2 - 1 Mile **MI WELLS** MI600000500503

Higher

#### WELLS:

Well ID: 47000012574 Permit #: Not Reported

Owner: HASSINGER, PAUL Well Depth (ft):

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1623 Drill Method: **Driven Hand** Other Method Info: Not Reported Construction Date: 24-SEP-75 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 50 2 Screen Start Depth (ft): 50 Screen End Depth (ft): 53 Static Water Level (ft): 10 Flowing: Ν Test Drawdown Depth (ft): 10 Test Hours: 1 Test Rate: 20 Test Method: UNK Well Grouted: Υ Pump Capacity (gpm): 0 Specific Capacity: Elevation (ft): 933

Rock Top (ft): 0

MI WELLS MI600000500535

1/2 - 1 Mile Higher

### WELLS:

Well ID: 47000012607 Permit #: Not Reported BICKER, JOHN Well Depth (ft): Owner: 42

Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Water Supply Serial #: Well #: Not Reported Drill Method: Driller ID: 47-0687 Cable Tool Construction Date: 31-OCT-77 Other Method Info: Not Reported

Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft): 38 38 42 Screen Start Depth (ft): Screen End Depth (ft):

Ν Static Water Level (ft): 9 Flowing: Test Drawdown Depth (ft): 31 Test Hours: 3

Test Rate: 20 Test Method: UNK Pump Capacity (gpm): Well Grouted: Υ 0 Elevation (ft): 882 Specific Capacity: 0 Rock Top (ft): 0

**Z87 WSW** MI WELLS MI600000500498

1/2 - 1 Mile Higher

### WELLS:

Well ID: 47000012569 Permit #: Not Reported HASSINGER, PAULINE Well Depth (ft): Owner: 54 Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 47-1165 Drill Method: Cable Tool Driller ID: 29-OCT-87 Other Method Info: Not Reported Construction Date: Case Type: Steel-black Other Casing Info: Not Reported Case Diameter (in): 4 Case Depth (ft): 50 49 Screen Start Depth (ft): Screen End Depth (ft): 54 26 Flowing: Ν Static Water Level (ft): Test Hours: 2 Test Drawdown Depth (ft): 40

Test Rate: 15 Test Method: UNK Well Grouted: Υ Pump Capacity (gpm): 0 933 Elevation (ft): Specific Capacity: 0

Rock Top (ft): 0

88 SSW **MI WELLS** MI600000500531

1/2 - 1 Mile Higher

# WELLS:

Well ID: 47000012603 Permit #: Not Reported ARKELIAN, BORIS Owner: Well Depth (ft): Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-0687 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 30-JUL-77 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 37 37 Screen Start Depth (ft): Screen End Depth (ft): 41 Static Water Level (ft): 25 Flowing: Ν Test Drawdown Depth (ft): 31 Test Hours: 3 20 UNK Test Rate: Test Method: Well Grouted: Pump Capacity (gpm): 0 Υ Elevation (ft): 921 Specific Capacity: 0 Rock Top (ft):

Map ID Direction Distance

Elevation Database EDR ID Number W89

South 1/2 - 1 Mile

Higher

WELLS:

Well ID: 47000012599 Permit #: Not Reported

Well Depth (ft): Owner: KNIGHT, LIAL

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 Driller ID: 47-1580 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 26-JUL-89 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 34 34 38 Screen Start Depth (ft): Screen End Depth (ft): Flowing: Static Water Level (ft): 6.5 Ν Test Drawdown Depth (ft): 21 Test Hours: 1 Test Rate: 18 Test Method: UNK Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 911 Specific Capacity: 0 Rock Top (ft):

**AA90** South 1/2 - 1 Mile Higher

**MI WELLS** MI6000000527194

**MI WELLS** 

MI600000500528

WELLS:

Well ID: 47000041845 Permit #: 97-1178NW

Owner: FRANK KORTH Well Depth (ft): 42

Well Type: Other Type Info: Not Reported Household Not Reported Well Status: Other Status Info: Active Well #: Not Reported Water Supply Serial #: 78-2056 Driller ID: Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 31-OCT-97 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 0 0 Screen Start Depth (ft): 42 36 Screen End Depth (ft): Static Water Level (ft): 10 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 0 Elevation (ft): 0 Specific Capacity:

Rock Top (ft): 0

ESE MI WELLS MI600000500517 1/2 - 1 Mile

Higher

WELLS:

Well ID: 47000012588 Permit #: Not Reported

WILLIAMS, RAY Well Depth (ft): Owner:

Well Type: Household Other Type Info: Not Reported

Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-0026 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 15-JUN-84 Other Casing Info: Case Type: Unknown Not Reported Case Diameter (in): 5 Case Depth (ft): 61

Screen Start Depth (ft): 61 Screen End Depth (ft): 65 Static Water Level (ft): Flowing: Ν 65 Test Drawdown Depth (ft): Test Hours: 0 Test Rate: Test Method: UNK 15 Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 900 Specific Capacity: 0

Rock Top (ft): 0

92 SW MI WELLS MI600000512885 1/2 - 1 Mile

#### WELLS:

Higher

 Well ID:
 47000025985
 Permit #:
 05-00652

 Owner:
 COUNTY OF LIVINGSTON
 Well Depth (ft):
 49

Other Type Info: Well Type: Irrigation Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Not Reported Well #: 81-2014 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 10-OCT-05 **PVC Plastic** Not Reported Case Type: Other Casing Info:

Case Diameter (in): Case Depth (ft): 39 Screen Start Depth (ft): 39 Screen End Depth (ft): 49 20 Ν Static Water Level (ft): Flowing: Test Drawdown Depth (ft): 20 Test Hours: 2 Test Rate: 12 Test Method: AIR Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0 0

Rock Top (ft): 0

AB93 NW MI WELLS MI600000526199 1/2 - 1 Mile

#### WELLS:

Higher

 Well ID:
 4700040828
 Permit #:
 98-1421NW

 Owner:
 CONCRETE CONSTRUCTION
 Well Depth (ft):
 67

Well Type: Household Other Type Info: Not Reported Other Status Info: Not Reported Well Status: Active Water Supply Serial #: Well #: Not Reported 0 Driller ID: 47-1861 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 15-JUL-99

Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 0 Case Depth (ft): 63 Screen End Depth (ft): 67 Screen Start Depth (ft): Flowing: Static Water Level (ft): 27 Ν Test Drawdown Depth (ft): 0 Test Hours: 0 0 Test Rate: Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

AB94
NW MI WELLS MI600000526201
1/2 - 1 Mile

WELLS:

Higher

Well ID: 47000040830 98-1421NW Permit #: Owner: CONCRETE CONSTRUCTION Well Depth (ft): 92 Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 0 47-1861 Drill Method: ROTARY Driller ID: 13-JUL-99 Other Method Info: Not Reported Construction Date: Case Type: Other Casing Info: Not Reported Unknown Case Diameter (in): 0 Case Depth (ft): Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 0 Flowing: Ν

0 Test Drawdown Depth (ft): Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U 0 Pump Capacity (gpm): Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 84

AB95
NW MI WELLS MI600000526202
1/2 - 1 Mile
Higher

WELLS:

Well ID: 47000040831 Permit #: 98-1421NW CONCRETE CONSTRUCTION Well Depth (ft): Owner: 88 Other Type Info: Well Type: Household Not Reported Other Status Info: Not Reported Well Status: Active Water Supply Serial #: Well #: Not Reported Driller ID: 47-1861 Drill Method: **ROTARY** 12-JUL-99 Other Method Info: Not Reported Construction Date: Case Type: Other Casing Info: Not Reported Unknown

Case Diameter (in): 0 Case Depth (ft): 0 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 0 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: Pump Capacity (gpm): U 0 Elevation (ft): 0 Specific Capacity: 0 80 Rock Top (ft):

X96 West MI WELLS MI600000526992 1/2 - 1 Mile

WELLS:

Higher

 Well ID:
 4700041635
 Permit #:
 92-0745N

 Owner:
 DANIEL BONELLO
 Well Depth (ft):
 187

Well Type: Type III Public Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1924 Drill Method: **ROTARY** 24-FEB-93 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 0 Screen End Depth (ft): 0 50 Static Water Level (ft): Flowing: Ν 0 Test Hours: 0 Test Drawdown Depth (ft): Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Specific Capacity: 0

Elevation (ft): 0
Rock Top (ft): 0

ESE 1/2 - 1 Mile Higher

### WELLS:

 Well ID:
 47000012586
 Permit #:
 Not Reported

 Owner:
 CICAN, MARK
 Well Depth (ft):
 125

 Well Type:
 Household
 Other Type Info:
 Not Reported

Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: Driller ID: 47-0994 Drill Method: **ROTARY** Other Method Info: 06-MAY-80 Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 4 Case Depth (ft): 114 0 0 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 48 Flowing: Ν Test Drawdown Depth (ft): 80 Test Hours: 2 Test Rate: 20 Test Method: UNK Well Grouted: Pump Capacity (gpm): 0 Elevation (ft): 909 Specific Capacity: 0 Rock Top (ft): 87

NOCK TOP (II).

98 NE MI WELLS MI600000512993 1/2 - 1 Mile Higher

### WELLS:

 Well ID:
 4700026113
 Permit #:
 2005-00420

 Owner:
 MIKE JACKSON
 Well Depth (ft):
 70

Not Reported Well Type: Household Other Type Info: Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 47-1833 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 07-NOV-05 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 64 70 Screen Start Depth (ft): 64 Screen End Depth (ft): Static Water Level (ft): 38 Flowing: Ν Test Drawdown Depth (ft): 50 Test Hours: 1 Test Rate: 40 Test Method: AIR Well Grouted: Υ Pump Capacity (gpm): 12

MI WELLS

MI600000500515

Elevation (ft): 889 Specific Capacity: 0 Rock Top (ft): 0

AC99
WSW MI WELLS MI600000526949

1/2 - 1 Mile Higher

WELLS:

Well ID: 47000041591 Permit #: 96-1870NW Owner: DAVE GRISSOM Well Depth (ft): 57 Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Water Supply Serial #: Well #: Not Reported Driller ID: 47-1607 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 02-JAN-97

Not Reported Case Type: Unknown Other Casing Info: Case Diameter (in): 0 Case Depth (ft): Screen Start Depth (ft): 47 Screen End Depth (ft): 57 Static Water Level (ft): 15 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 UNK Test Method: Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft):

AA100
South
1/2 - 1 Mile
MI WELLS
MI6000000527187

WELLS:

Higher

Well ID: 47000041838 Permit #: Not Reported FRANK W KORTH Owner: Well Depth (ft): 92 Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 47-0026 Driller ID: Drill Method: Cable Tool Other Method Info: 05-APR-73 Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 88 Screen End Depth (ft): 92 Static Water Level (ft): 10 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: UNK 0 Test Method: Well Grouted: U Pump Capacity (gpm): 0 0 Elevation (ft): 0 Specific Capacity:

Rock Top (ft):

AD101
WSW
MI WELLS
MI6000000526958
1/2 - 1 Mile

Higher WELLS:

Well ID: 4700041600 Permit #: 97-1886NW

Owner: MIKE WALLACE Well Depth (ft):

Well Type: Other Other Type Info: HOUSEHOLD & IRRIGATION

Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: Drill Method: ROTARY Driller ID: Not Reported Other Method Info: Not Reported Construction Date: 19-JAN-98 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 67 71 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 10 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

102 MI WELLS MI600000500558 East

1/2 - 1 Mile Higher

# WELLS:

47000012630 Well ID: Permit #: Not Reported

Owner: **GCT INVESTORS** Well Depth (ft):

Other Type Info: Well Type: Household Not Reported Other Status Info: Not Reported Well Status: Active Water Supply Serial #: Well #: Not Reported 47-0026 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 23-MAY-74 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 96 4 Screen Start Depth (ft): 96 Screen End Depth (ft): 100 Static Water Level (ft): 30 Flowing: Ν Test Drawdown Depth (ft): 50 Test Hours: 1.5 Test Rate: 20 Test Method: UNK Well Grouted: Ν Pump Capacity (gpm): 0 Elevation (ft): 903 Specific Capacity: 0

Rock Top (ft):

**AE103** MI WELLS MI6000000526030 North 1/2 - 1 Mile

Lower

# WELLS:

Well ID: 47000040654 Permit #: 93-586N **EBI INCORPORATED** Well Depth (ft): Owner: 68

Other Type Info: Well Type: Household Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-1580 Driller ID: Drill Method: **ROTARY** Other Method Info: 06-JUL-93 Not Reported Construction Date: Case Type: Other Casing Info: Not Reported

Case Diameter (in): 0 Case Depth (ft): Screen Start Depth (ft): 64 Screen End Depth (ft): 68 Flowing: Static Water Level (ft): 5.5 Ν 0 Test Drawdown Depth (ft): Test Hours: n Test Rate: 0 Test Method: UNK

Unknown

Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

AF104 WNW MI WELLS MI600000526206 1/2 - 1 Mile

Higher

WELLS:

Well ID: 47000040835 Permit #: Not Reported TONY KILLIN Well Depth (ft): 140 Owner: Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-0994 Drill Method: **ROTARY** 12-APR-95 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 0 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 30 Flowing: Ν Test Drawdown Depth (ft): 0 0 Test Hours: Test Rate: 0 UNK Test Method: Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 84

AD105 wsw MI WELLS MI600000500492 1/2 - 1 Mile

Higher WELLS:

> 47000012563 Well ID: Permit #: Not Reported CONLIN. STEVE Owner: Well Depth (ft): Other Type Info: Well Type: Household Not Reported Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: 0 Driller ID: 47-0026 Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 03-JAN-80 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 57 Screen Start Depth (ft): 57 Screen End Depth (ft): 61 Static Water Level (ft): 8 Flowing: Ν Test Drawdown Depth (ft): 35 Test Hours: 2.5 Test Rate: 30 Test Method: UNK Well Grouted: Ν Pump Capacity (gpm): 0 0 932 Elevation (ft): Specific Capacity:

0

wsw 1/2 - 1 Mile Higher

Rock Top (ft):

WELLS:

AC106

**MI WELLS** 

MI6000000512994

Permit #:

2004-01397 Owner: PAUL HUHTA Well Depth (ft): Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active

47000026114

Not Reported Water Supply Serial #: 0 Well #: ROTARY Drill Method: Driller ID: 47-1861 Other Method Info: Not Reported Construction Date: 01-NOV-05 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 31 Screen Start Depth (ft): 31 Screen End Depth (ft): 35 Static Water Level (ft): 17 Flowing: Ν Test Drawdown Depth (ft): 35 Test Hours: 1 Test Rate: 16 Test Method: UNK Well Grouted: Υ Pump Capacity (gpm): 10 Elevation (ft): 932 Specific Capacity: 0 Rock Top (ft):

107 SSW 1/2 - 1 Mile MI WELLS MI600000529662 Higher

#### WELLS:

Well ID:

Well ID: 47000044326 Permit #: Not Reported

Owner: ROBERT TORVINEN Well Depth (ft):

Not Reported Well Type: Household Other Type Info: Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1802 Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 01-SEP-91 Not Reported Unknown Case Type: Other Casing Info:

Case Diameter (in): Case Depth (ft): 0 n Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 45 Flowing: Ν 0 Test Drawdown Depth (ft): Test Hours: 0 0 Test Rate: Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Specific Capacity: Elevation (ft): 0

Rock Top (ft): 109

**AE108** MI WELLS MI600000526017

North 1/2 - 1 Mile Lower

### WELLS:

Well ID: 47000040641 Permit #: 92-1743N **ROBERT HOWE** Well Depth (ft): Owner: 88

Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Water Supply Serial #: Well #: Not Reported Drill Method: Driller ID: 47-1924 **ROTARY** Construction Date: 28-AUG-93 Other Method Info: Not Reported

Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 0 Case Depth (ft): Screen Start Depth (ft): 82 Screen End Depth (ft): 88 Static Water Level (ft): 4 Flowing: Ν

Test Drawdown Depth (ft): 0 Test Hours: 0

 Test Rate:
 0
 Test Method:
 UNK

 Well Grouted:
 U
 Pump Capacity (gpm):
 0

 Elevation (ft):
 0
 Specific Capacity:
 0

 Rock Top (ft):
 0
 O

109
East MI WELLS MI600000527376
1/2 - 1 Mile

Higher

#### WELLS:

Well ID: 47000042030 Permit #: 96-2051NW UNIQUE STYLE HOME BUILDERS INC Owner: Well Depth (ft): Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: 0 Well #: Not Reported 47-1607 Driller ID: ROTARY Drill Method: Other Method Info: Not Reported Construction Date: 19-FEB-97 Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 0 Case Depth (ft): Screen Start Depth (ft): 84 91 Static Water Level (ft): 30 Screen End Depth (ft): Ν Test Drawdown Depth (ft): Flowing: 0 Test Hours: 0 Test Rate: 0 Well Grouted: Test Method: UNK U 0 Pump Capacity (gpm): 0 Elevation (ft): Specific Capacity: 0 Rock Top (ft): 0

AG110
West MI WELLS MI600000500423
1/2 - 1 Mile

Higher

### WELLS:

Well ID: 47000012488 Permit #: Not Reported Owner: KRESE, JOHN Well Depth (ft): 155 Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-0027 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 20-APR-90 Case Type: Steel-black Other Casing Info: Not Reported Case Diameter (in): 4 Case Depth (ft): 151 0 Screen Start Depth (ft): Screen End Depth (ft): 0 Static Water Level (ft): 50 Flowing: Ν Test Drawdown Depth (ft): 90 Test Hours: 4

Test Drawdown Depth (ft): 90 Test Hours: 4
Test Rate: 12 Test Method: UNK
Well Grouted: Y Pump Capacity (gpm): 0
Elevation (ft): 913 Specific Capacity: 0

Rock Top (ft): 106

Map ID Direction Distance

Elevation Database EDR ID Number

Permit #:

NNE 1/2 - 1 Mile Higher

Well ID:

**MI WELLS** MI600000500408

#### WELLS:

111

47000012473 Not Reported Well Depth (ft): Owner: STANEK, KIMM Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: 0 Well #: Not Reported

47-0994 Driller ID: Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 10-AUG-83 Case Type: Steel-black Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft): 62

62 66 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 30 Flowing: Ν Test Drawdown Depth (ft): 45 Test Hours: 2 Test Rate: 12 Test Method: UNK Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 913 Specific Capacity: 0

Rock Top (ft):

112 SE 1/2 - 1 Mile **MI WELLS** MI600000510533

# Higher WELLS:

Well ID: 47000023297 Permit #: 2003-00402 Owner: DANIEL SEE Well Depth (ft): 100

Household Well Type: Other Type Info: Not Reported Not Reported Well Status: Other Status Info: Active Well #: Not Reported Water Supply Serial #: ROTARY Driller ID: 63-2125 Drill Method: Other Method Info: Not Reported Construction Date: 29-SEP-03 **PVC Plastic** Case Type: Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 90 Screen Start Depth (ft): 90 Screen End Depth (ft): 100 Static Water Level (ft): 20 Flowing: Ν Test Drawdown Depth (ft): 100 Test Hours: 1 Test Rate: 15 Test Method: AIR Pump Capacity (gpm): Well Grouted: Υ 0 0 Elevation (ft): 0 Specific Capacity:

Rock Top (ft): 0

113 WNW MI WELLS MI6000000500428 1/2 - 1 Mile

Permit #:

Higher WELLS:

Well ID: 47000012493

PICKERING, LAWRENCE Well Depth (ft): Owner:

Other Type Info: Well Type: Household Not Reported

TC7847279.2s Page A-56

Not Reported

Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-0026 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 16-JAN-73 Other Casing Info: Case Type: Unknown Not Reported

Case Diameter (in): Case Depth (ft): 56 Screen Start Depth (ft): 57 Screen End Depth (ft): 61 Static Water Level (ft): 5 Flowing: Ν 40 Test Drawdown Depth (ft): Test Hours: 0 Test Rate: 20 Test Method: UNK Pump Capacity (gpm): Well Grouted: Ν 0 Elevation (ft): 910 Specific Capacity: 0

Rock Top (ft): 0

AH114 MI WELLS MI600000527203 1/2 - 1 Mile

## WELLS:

Higher

Well ID: 47000041854 Permit #: 98-0339NW 60

MARK PELLEGRINO Well Depth (ft): Owner:

Other Type Info: Well Type: Household Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Not Reported Well #: 47-1861 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 15-JUN-98 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 56 Screen End Depth (ft): 60 19 Ν Static Water Level (ft): Flowing: Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): Specific Capacity: 0 0

Rock Top (ft): 0

AI115 MI WELLS MI600000524885 NW 1/2 - 1 Mile

#### WELLS:

Higher

Well ID: 47000039486 Permit #: Not Reported MIKE FOLEY Well Depth (ft): Owner: 117

Well Type: Household Other Type Info: Not Reported Other Status Info: Not Reported Well Status: Active Water Supply Serial #: Well #: Not Reported 0

Driller ID: 47-1833 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 24-OCT-96 Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 0 Case Depth (ft):

0 Screen End Depth (ft): Screen Start Depth (ft): 0 Flowing: Static Water Level (ft): 24 U Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 69

AJ116
WSW MI WELLS MI600000526944
1/2 - 1 Mile

WELLS:

Higher

Well ID: 47000041586 99-0020NW Permit #: Owner: DALE & PAM BADER Well Depth (ft): 57 Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 47-1934 Drill Method: ROTARY Driller ID: Other Method Info: Not Reported Construction Date: 11-JUN-99 Case Type: Other Casing Info: Not Reported Unknown Case Diameter (in): Case Depth (ft):

Screen Start Depth (ft): 57 Screen End Depth (ft): 58 Static Water Level (ft): 23 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U 0 Pump Capacity (gpm): 0 Elevation (ft): Specific Capacity: 0

Rock Top (ft): 0

AG117
West MI WELLS MI600000526198
1/2 - 1 Mile
Higher

WELLS:

Well ID: 47000040827 Permit #: Not Reported STEVE PRYSLAK Well Depth (ft): Owner: 118 Other Type Info: Well Type: Household Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1802 Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 28-OCT-89 Case Type: Other Casing Info: Not Reported Unknown

Case Diameter (in): 0 Case Depth (ft): 0 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 0 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: Pump Capacity (gpm): U 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 86

AJ118
West MI WELLS MI600000514327
1/2 - 1 Mile

WELLS:

Higher

Well ID: 4700027829 Permit #: 2007-00370

Owner: DALE & LINDA BADER Well Depth (ft): 41

Well Type: Other Type Info: Not Reported Irrigation Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-1296 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 14-SEP-07 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 36 Screen End Depth (ft): 41 7 Static Water Level (ft): Flowing: Ν 25 Test Hours: 2 Test Drawdown Depth (ft): 50 Test Rate: Test Method: AIR Well Grouted: Υ Pump Capacity (gpm): 18 Elevation (ft): 0 Specific Capacity: 0 Rock Top (ft): 0

**AF119** WNW 1/2 - 1 Mile Higher

MI WELLS MI600000500430

#### WELLS:

Well ID: 47000012495 Permit #: Not Reported Owner: SCHNEIDEWIND, GLENN Well Depth (ft):

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: Driller ID: 47-0026 Drill Method: **ROTARY** Other Method Info: 24-JUL-79 Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 4 Case Depth (ft): 58 58 62 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 7 Flowing: Ν Test Drawdown Depth (ft): 62 Test Hours: 0 Test Rate: 25 Test Method: UNK Υ Pump Capacity (gpm): Well Grouted: 0 Elevation (ft): 902 Specific Capacity: 0 Rock Top (ft): 0

120 ENE 1/2 - 1 Mile Higher

# WELLS:

Well ID: 47000040393 Permit #: Not Reported

Owner: J.T. KELLY CUSTOM HOMES Well Depth (ft):

Not Reported Well Type: Household Other Type Info: Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 47-0413 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 18-NOV-91 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): n Case Depth (ft): n Screen Start Depth (ft): 51 Screen End Depth (ft): 55 Static Water Level (ft): 18 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 0 Test Rate: Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0

**MI WELLS** 

MI6000000525774

Elevation (ft): 0 Specific Capacity: 0 Rock Top (ft): 0

AK121
WSW
MI WELLS
MI600000505373
1/2 - 1 Mile

Higher WELLS:

Well ID: 47000017591 Permit #: 99-0110NW

Owner:Betty IngramWell Depth (ft):50Well Type:HouseholdOther Type Info:Not ReportedWell Status:UnknownOther Status Info:Not ReportedWater Supply Serial #:0Well #:Not ReportedDriller ID:81-1516Drill Method:ROTARY

Driller ID: 81-1516 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 08-JUL-99 **PVC Plastic** Not Reported Case Type: Other Casing Info: Case Diameter (in): 5 Case Depth (ft): 46

Screen Start Depth (ft): 46 Screen End Depth (ft): 50 Static Water Level (ft): 14 Flowing: Ν Test Drawdown Depth (ft): 16 Test Hours: 3 Test Rate: AIR 15 Test Method: Well Grouted: Υ Pump Capacity (gpm): 12 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft):

Al122 NW MI WELLS MI600000520573

1/2 - 1 Mile Higher

WELLS:

 Well ID:
 47000035114
 Permit #:
 2020-00461

 Owner:
 Poloski Construction
 Well Depth (ft):
 177

Well Type: Household Other Type Info: Not Reported
Well Status: Plugged/Abandoned Other Status Info: Not Reported

Water Supply Serial #: 0 Well #: Not Reported
Driller ID: 47-1924 Drill Method: ROTARY
Other Method Info: Not Reported Construction Date: 15-MAY-21
Case Type: PVC Plastic Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 95 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 50 Flowing: Ν Test Drawdown Depth (ft): 177 Test Hours: 1 Test Rate: AIR 2 Test Method: Well Grouted: Υ Pump Capacity (gpm): 0 0 0 Elevation (ft): Specific Capacity:

Rock Top (ft): 92

123 South MI WELLS MI600000500706

1/2 - 1 Mile Higher

WELLS:

 Well ID:
 47000012780
 Permit #:
 Not Reported

Owner: CLUM, DUANE Well Depth (ft): 77

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 47-0832 Drill Method: Cable Tool Driller ID: 12-SEP-74 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 73 0 0 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): Ν 10 Flowing: Test Drawdown Depth (ft): 10 Test Hours: 2 Test Rate: 30 Test Method: UNK Well Grouted: Ν Pump Capacity (gpm): 0 Elevation (ft): 881 Specific Capacity: 0

Rock Top (ft): 0

124 ESE MI WELLS MI600000500548

1/2 - 1 Mile Higher

#### WELLS:

Well ID: 4700012620 Permit #: Not Reported

Owner: SHEARER, DOUGLAS Well Depth (ft): 215

Other Type Info: Well Type: Household Not Reported Other Status Info: Well Status: Not Reported Active Water Supply Serial #: Well #: Not Reported 47-0994 Drill Method: **ROTARY** Driller ID: Other Method Info: Not Reported Construction Date: 13-NOV-80 Case Type: Steel-black Other Casing Info: Not Reported

Case Diameter (in): 4 Case Depth (ft): 142 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 60 Flowing: Ν Test Drawdown Depth (ft): 110 Test Hours: 2 Test Rate: UNK Test Method: 10 Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 901 Specific Capacity: 0

Rock Top (ft): 138

125 WNW MI WELLS MI600000507144 1/2 - 1 Mile

Higher
WELLS:

Well ID: 4700019698 Permit #: 00-1383NW

Owner: LIVINGSTON BLDRS Well Depth (ft): 33

Other Type Info: Well Type: Household Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1861 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 06-MAR-01 Case Type: **PVC Plastic** Not Reported Other Casing Info:

Case Diameter (in): 5 Case Depth (ft): 29 Screen Start Depth (ft): 29 Screen End Depth (ft): 33 Static Water Level (ft): 11 Flowing: Ν Test Drawdown Depth (ft): 33 Test Hours: 1 Test Rate: 40 Test Method: AIR

Well Grouted: Y Pump Capacity (gpm): 10
Elevation (ft): 0 Specific Capacity: 0
Rock Top (ft): 0

AL126
ESE MI WELLS
1/2 - 1 Mile
Higher

WELLS:

 Well ID:
 4700042043
 Permit #:
 95-1874NW

 Owner:
 MIKE ROSEMAN
 Well Depth (ft):
 36

 Well Type:
 Household
 Other Type Info:
 Not Reported

Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 47-1580 Drill Method: **ROTARY** Driller ID: 17-SEP-96 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 32 Screen End Depth (ft): 36 Static Water Level (ft): 13 Flowing: Ν Test Drawdown Depth (ft): 0 0 Test Hours: Test Rate: 0 UNK Test Method: Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0 Rock Top (ft): 0

AL127
ESE MI WELLS MI6000000527394
1/2 - 1 Mile

WELLS:

Higher

96-1874NW 47000042048 Well ID: Permit #: MIKE ROSEMAN Owner: Well Depth (ft): 152 Other Type Info: Well Type: Household Not Reported Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: 0 Driller ID: 47-1580 Drill Method: ROTARY 10-SEP-96 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 34 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK U Well Grouted: Pump Capacity (gpm): 0 0 0 Elevation (ft): Specific Capacity:

131

Al128 NW 1/2 - 1 Mile Higher

Rock Top (ft):

WELLS:

**MI WELLS** 

MI6000000520574

MI600000527389

Well ID: 47000035115 Permit #: 2020-00461 Owner: Poloski Construction Well Depth (ft):

Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Not Reported Water Supply Serial #: 0 Well #: Drill Method: ROTARY Driller ID: 47-1924 Other Method Info: Not Reported Construction Date: 15-MAY-21 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 86 Screen Start Depth (ft): 86 Screen End Depth (ft): 94 Static Water Level (ft): 34 Flowing: Ν Test Drawdown Depth (ft): 94 Test Hours: 1 Test Rate: 15 Test Method: AIR Well Grouted: Υ Pump Capacity (gpm): 10 Elevation (ft): 0 Specific Capacity: 0

0 Rock Top (ft):

129 South 1/2 - 1 Mile MI WELLS MI600000500704

Higher

#### WELLS:

Well ID: 47000012778 Permit #: Not Reported

Owner: POPEK, PETER Well Depth (ft):

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-0026 Drill Method: Cable Tool Other Method Info: Not Reported Construction Date: 01-JUN-68 Unknown Not Reported Case Type: Other Casing Info:

Case Diameter (in): Case Depth (ft): 82 4 Screen Start Depth (ft): 82 Screen End Depth (ft): 86 Static Water Level (ft): 31 Flowing: Ν Test Drawdown Depth (ft): 45 Test Hours: 2 UNK Test Rate: 12 Test Method: Well Grouted: Ν Pump Capacity (gpm): 0 Specific Capacity: Elevation (ft): 920

Rock Top (ft): 0

MI WELLS MI600000500413

1/2 - 1 Mile Higher

# WELLS:

Well ID: 47000012478 Permit #: Not Reported LAITURI, VERN Well Depth (ft): Owner: 120

Well Type: Household Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Water Supply Serial #: Well #: Not Reported Drill Method: Cable Tool Driller ID: 47-0832

Not Reported Construction Date: Other Method Info: 25-JUL-75 Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft): 109

0 Screen Start Depth (ft): Screen End Depth (ft): 0 999.99 Static Water Level (ft): Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0

 Test Rate:
 0
 Test Method:
 UNK

 Well Grouted:
 N
 Pump Capacity (gpm):
 0

 Elevation (ft):
 892
 Specific Capacity:
 0

 Rock Top (ft):
 91

131
West MI WELLS MI600000500495
1/2 - 1 Mile

Higher

#### WELLS:

Well ID: 47000012566 Permit #: Not Reported RIC HTER, FRED Well Depth (ft): Owner: 150 Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 ROTARY 47-0026 Drill Method: Driller ID: 30-SEP-70 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 4 Case Depth (ft): 113 0 Screen Start Depth (ft): Screen End Depth (ft): 0 21 Ν

Flowing: Static Water Level (ft): Test Hours: 0 Test Drawdown Depth (ft): 100 Test Rate: 20 Test Method: UNK Well Grouted: Pump Capacity (gpm): 0 928 Elevation (ft): Specific Capacity: 0

Rock Top (ft): 89

AM132 NE MI WELLS MI600000525675

1/2 - 1 Mile Higher

# WELLS:

Well ID: 47000040294 Permit #: Not Reported Well Depth (ft): Owner: **BRIAN BALANSKI** Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 47-0687 Drill Method: ROTARY Driller ID:

Other Method Info: Not Reported Construction Date: 04-OCT-96 Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): 0 Case Depth (ft): Screen Start Depth (ft): 89 Screen End Depth (ft): 97 Static Water Level (ft): 40 Flowing: Ν

Test Drawdown Depth (ft): 0 Test Hours: 0 0 UNK Test Rate: Test Method: U Well Grouted: Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

Map ID Direction Distance

Elevation Database EDR ID Number

AN133 NNE 1/2 - 1 Mile Higher

MI WELLS MI600000526026

#### WELLS:

Well ID:4700040650Permit #:Not ReportedOwner:TOM O'CONNELLWell Depth (ft):145Well Type:HouseholdOther Type Info:Not ReportedWell Status:ActiveOther Status Info:Not Reported

Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 0 47-0418 Driller ID: Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 12-MAR-93 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 0 0 Screen Start Depth (ft): Screen End Depth (ft): 0 Static Water Level (ft): 50 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 120

AN134
NNE
MI WELLS
MI600000525938
1/2 - 1 Mile

# WELLS:

Higher

 Well ID:
 4700040561
 Permit #:
 Not Reported

 Owner:
 TOM O'CONNELL
 Well Depth (ft):
 81

Household Well Type: Other Type Info: Not Reported Well Status: Other Status Info: Active Not Reported Well #: Not Reported Water Supply Serial #: 0 Drill Method: Driller ID: 47-0418 **ROTARY** 31-AUG-94 Other Method Info: Not Reported Construction Date: Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 0 Case Depth (ft): 0 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 5.3 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Pump Capacity (gpm): Well Grouted: U 0 0 Elevation (ft): 0 Specific Capacity:

70

AH135 SE MI WELLS MI600000527248

1/2 - 1 Mile Higher

Rock Top (ft):

WELLS:

Well ID: 4700041901 Permit #: 98-0467NW

Owner: RICK TINCU Well Depth (ft): 92

Well Type: Household Other Type Info: Not Reported

Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-2253 Drill Method: **ROTARY** 13-OCT-98 Other Method Info: Not Reported Construction Date: Other Casing Info: Case Type: Unknown Not Reported

Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 87 Screen End Depth (ft): 92 Static Water Level (ft): 12 Flowing: Ν Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 UNK Test Method: Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

**AI136** MI WELLS MI600000520571 NW 1/2 - 1 Mile

## WELLS:

Higher

Well ID: 47000035112 Permit #: 2020-00461 Well Depth (ft): Owner: Poloski Construction 177

Well Type: Household

Other Type Info: Not Reported Well Status: Plugged/Abandoned Other Status Info: Not Reported Water Supply Serial #: Not Reported Well #: Drill Method: ROTARY Driller ID: 47-1924 Other Method Info: Not Reported Construction Date: 05-MAY-21

Case Type: Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft): 110 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 56 Ν Static Water Level (ft): Flowing: Test Drawdown Depth (ft): 177 Test Hours: 1 Test Rate: 2 Test Method: **AIR** Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

**PVC Plastic** 

Rock Top (ft): 100

**AK137** MI WELLS MI600000527236 **WSW** 1/2 - 1 Mile

#### WELLS:

Higher

Well ID: 47000041888 Permit #: 93-206N DALE BADER Well Depth (ft): Owner:

Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 0 Driller ID: 47-2072 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 30-JUL-93 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 0 Case Depth (ft): Screen End Depth (ft): Screen Start Depth (ft): 54 59 Flowing: Static Water Level (ft): 8 Ν Test Drawdown Depth (ft): 0 Test Hours: 0 0 Test Rate: Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 0

AO138
NE MI WELLS MI600000506510
1/2 - 1 Mile

WELLS:

Higher

 Well ID:
 4700019035
 Permit #:
 00-1729RW

 Owner:
 MARY SUE DUNHAM
 Well Depth (ft):
 112

Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Not Reported Water Supply Serial #: Well #: Not Reported 47-1296 Drill Method: ROTARY Driller ID: Other Method Info: Not Reported Construction Date: 26-SEP-00 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 102 Screen Start Depth (ft): 102 Screen End Depth (ft): 112 Static Water Level (ft): 30 Flowing: Ν Test Drawdown Depth (ft): 90 Test Hours: 2 25 Test Rate: Test Method: AIR Well Grouted: 10 Υ Pump Capacity (gpm): 0 Elevation (ft): Specific Capacity: 0

Rock Top (ft): 92

Al139
NW MI WELLS MI600000520572
1/2 - 1 Mile
Higher

WELLS:

Well ID: 47000035113 2020-00461 Permit #: Poloski Construction Well Depth (ft): Owner: 50 Other Type Info: Well Type: Household Not Reported Other Status Info: Not Reported Well Status: Plugged/Abandoned Water Supply Serial #: Well #: Not Reported Driller ID: 47-1924 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 07-MAY-21 Not Reported

Case Type: **PVC Plastic** Other Casing Info: Case Diameter (in): 5 Case Depth (ft): 45 Screen Start Depth (ft): 45 Screen End Depth (ft): 50 Static Water Level (ft): 36 Flowing: Ν Test Drawdown Depth (ft): 50 Test Hours: 1 Test Rate: Test Method: AIR 1 Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft):

140
West MI WELLS MI600000500420
1/2 - 1 Mile

WELLS:

Higher

 Well ID:
 47000012485
 Permit #:
 Not Reported

Owner: MAROUDIS, FRANK Well Depth (ft): 120

Well Type: Household Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported 47-1236 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 30-SEP-89 Case Type: Steel-black Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 120 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 8 Flowing: Ν 90 Test Hours: 2 Test Drawdown Depth (ft): UNK Test Rate: 15 Test Method: Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 870 Specific Capacity: 0

Rock Top (ft): 85

AN141
NNE
MI WELLS
MI6000000516294
1/2 - 1 Mile

#### WELLS:

Higher

Well ID: 47000030336 Permit #: WEL2013-00175

Owner: ARTHUR & YOLANDA RIMBOLD Well Depth (ft): 180

Well Type: Irrigation Other Type Info: Not Reported Well Status: Active Other Status Info: Not Reported Not Reported Water Supply Serial #: Well #: Driller ID: 47-2072 Drill Method: **ROTARY** Other Method Info: Not Reported 10-JUN-13 Construction Date: Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 8 Case Depth (ft): 110 0 0 Screen Start Depth (ft): Screen End Depth (ft): Static Water Level (ft): 43 Flowing: Ν Test Drawdown Depth (ft): 75 Test Hours: 2 Test Rate: 100 Test Method: **AIR** Υ Pump Capacity (gpm): Well Grouted: 100 Elevation (ft): 0 Specific Capacity: 0 Rock Top (ft): 103

142
WNW
MI WELLS
MI600000500417
1/2 - 1 Mile
Higher

# WELLS:

 Well ID:
 4700012482
 Permit #:
 Not Reported

 Owner:
 COLVIN, JOHN
 Well Depth (ft):
 93

Not Reported Well Type: Household Other Type Info: Not Reported Other Status Info: Well Status: Active Water Supply Serial #: Well #: Not Reported 47-1692 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 01-AUG-83

Case Type: Unknown Other Casing Info: Not Reported Case Diameter (in): Case Depth (ft): 90 0 Screen Start Depth (ft): Screen End Depth (ft): 0 Static Water Level (ft): 2 Flowing: Ν 40 Test Drawdown Depth (ft): Test Hours:

Test Rate: 15 Test Method: UNK
Well Grouted: N Pump Capacity (gpm): 0

Elevation (ft): 902 Specific Capacity: 0
Rock Top (ft): 0

AM143 NE MI WELLS MI600000507239

1/2 - 1 Mile Higher

WELLS:

Well ID: 47000019794 Permit #: 01-0085C/R Owner: **DEMATTIA** Well Depth (ft): 94 Well Type: Type II Public Other Type Info: Not Reported Well Status: Other Status Info: Not Reported Active Water Supply Serial #: 2063447 Well #: 001 Driller ID: 47-1861 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 22-MAY-01 **PVC Plastic** Not Reported Case Type: Other Casing Info: Case Diameter (in): 5 Case Depth (ft): 90 Screen Start Depth (ft): 90 Screen End Depth (ft): 94

Static Water Level (ft): 31 Flowing: Ν Test Drawdown Depth (ft): 94 Test Hours: 1 Test Rate: 75 AIR Test Method: Well Grouted: Υ Pump Capacity (gpm): 15 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft):

AO144
NE MI WELLS MI600000500348
1/2 - 1 Mile

WELLS:

Higher

Well ID: 47000012413 Permit #: Not Reported Owner: BESSERT, OTTO Well Depth (ft): 100 Well Type: Household Other Type Info: Not Reported Other Status Info: Not Reported Well Status: Active Water Supply Serial #: 0 Well #: Not Reported 47-1296 Driller ID: Drill Method: Cable Tool Other Method Info: Not Reported 13-MAY-90 Construction Date: Steel-black Case Type: Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 100 Screen Start Depth (ft): 95 Screen End Depth (ft): 100 Static Water Level (ft): 29 Flowing: Ν Test Drawdown Depth (ft): 50 Test Hours: 2 Test Rate: 25 UNK Test Method: Well Grouted: Ν Pump Capacity (gpm): 0 914 0 Elevation (ft): Specific Capacity:

Rock Top (ft): 0

AP145
ENE MI WELLS MI600000525667
1/2 - 1 Mile

Higher WELLS:

Well ID: 47000040286 Permit #: 96-0592RW

TC7847279.2s Page A-69

Owner: STEVE FRENCH Well Depth (ft): 94

Well Type: Household Other Type Info: Not Reported Not Reported Well Status: Active Other Status Info: Water Supply Serial #: Well #: Not Reported 0 Drill Method: ROTARY Driller ID: 47-1924 Other Method Info: Not Reported Construction Date: 30-MAR-99 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): Screen Start Depth (ft): 84 Screen End Depth (ft): 94 Static Water Level (ft): 30 Ν Flowing: Test Drawdown Depth (ft): 0 Test Hours: 0 Test Rate: 0 Test Method: UNK Well Grouted: U Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0 Rock Top (ft): 0

AP146
ENE MI WELLS MI600000500375
1/2 - 1 Mile

# WELLS:

Higher

Well ID:47000012440Permit #:Not ReportedOwner:NICHOLS, CHARLESWell Depth (ft):36

Other Type Info: Well Type: Household Not Reported Other Status Info: Not Reported Well Status: Active Water Supply Serial #: Well #: Not Reported 47-0832 Drill Method: Cable Tool Driller ID: Other Method Info: Not Reported Construction Date: 03-SEP-74 Case Type: Unknown Other Casing Info: Not Reported

Case Diameter (in): 32 Case Depth (ft): 4 Screen Start Depth (ft): 32 Screen End Depth (ft): 36 Static Water Level (ft): 10 Flowing: Ν Test Drawdown Depth (ft): 10 Test Hours: 2 Test Rate: UNK 20 Test Method: Well Grouted: Ν Pump Capacity (gpm): 0 Elevation (ft): 910 Specific Capacity: 0 Rock Top (ft):

AP147
ENE MI WELLS MI600000519250

ENE 1/2 - 1 Mile Higher

# WELLS:

 Well ID:
 47000033665
 Permit #:
 2018-410

 Owner:
 Capital Construction
 Well Depth (ft):
 127

 Well Type:
 Household
 Other Type Info:
 Not Reported

Well Status: Active Other Status Info: Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-1924 Drill Method: **ROTARY** Other Method Info: Not Reported Construction Date: 14-DEC-18 Case Type: **PVC Plastic** Other Casing Info: Not Reported

Case Diameter (in): 5 Case Depth (ft): 117 Screen Start Depth (ft): 117 Screen End Depth (ft): 127 Flowing: Static Water Level (ft): 40 Ν Test Drawdown Depth (ft): 127 Test Hours: 1 Test Rate: 20 Test Method: AIR

Well Grouted: Y Pump Capacity (gpm): 12
Elevation (ft): 0 Specific Capacity: 0
Rock Top (ft): 0

record top (it).

148
North
MI WELLS
MI6000000515921
1/2 - 1 Mile
Lower

WELLS:

 Well ID:
 47000029895
 Permit #:
 WEL2012-00206

Owner: ARTHUR & YOLANDA RIMBOLD Well Depth (ft): 140

Well Type: Other Type Info: Not Reported Irrigation Well Status: Other Status Info: Active Not Reported Water Supply Serial #: Well #: Not Reported Driller ID: 47-2072 Drill Method: **ROTARY** Not Reported 24-JUL-12 Other Method Info: Construction Date: **PVC Plastic** Case Type: Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 83 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 Static Water Level (ft): 14 Flowing: Ν Test Drawdown Depth (ft): 60 2 Test Hours: Test Rate: AIR 60 Test Method: Well Grouted: Υ Pump Capacity (gpm): 0 Elevation (ft): 0 Specific Capacity: 0

Rock Top (ft): 69

149
WNW MI WELLS MI600000515053
1/2 - 1 Mile

WELLS:

Higher

Well ID: 4700028823 Permit #: WEL200900274

 Owner:
 Gordon Taranger
 Well Depth (ft):
 101

 Well Type:
 Household
 Other Type Info:
 Not Reported

 Well Status:
 Active
 Other Status Info:
 Not Reported

 Water Supply Serial #:
 0
 Well #:
 Not Percented

Not Reported Water Supply Serial #: Well #: 0 Driller ID: 47-1789 Drill Method: Cable Tool 06-DEC-09 Other Method Info: Not Reported Construction Date: Case Type: Steel-Galvanized Other Casing Info: Not Reported

Case Diameter (in): Case Depth (ft): 86.6 Screen Start Depth (ft): 0 Screen End Depth (ft): 0 14 Static Water Level (ft): Flowing: Ν Test Drawdown Depth (ft): 75 Test Hours: 24 Test Rate: 13 Test Method: **TSTPUM** Well Grouted: Pump Capacity (gpm): Υ 10

Elevation (ft): 935 Specific Capacity: .17333333

Rock Top (ft): 82

Map ID Direction Distance

Database EDR ID Number

1 SSE OIL\_GAS MIOG13000044838 1/4 - 1/2 Mile

OIL\_GAS:

 API #:
 21093010640000
 Well #:
 1

 Permit #:
 1064
 Completion Date:
 0

Plug Date:Not ReportedWell Type:Dry HoleWell Status:Plugging ApprovedBore Type:Oil and Gas Test

Slant:VTotal Depth Drilled (ft):1723True Vertical Depth (ft):0Kickoff Point of TVD:0Deepest Formation:SYLVANIAFormation Tops:G

Field Name: Not Reported Production Formation: Not Reported Production Unit #: Not Reported Lease Name: Wilkinson

Operator #: 616

Company Name: Crude Oil Co And Empire Oil And Refining Co

Surface Owner: Not Reported State Owned Land: 0
Federally Owned Land: 0
H2S Concentration: 0

Permit Date: 03-SEP-30

# AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

48855 6/11/2009 1.6 48855 3/24/2008 1.6 48855 2/18/2008 1.6 48855 2/5/2007 1.5 48855 9/20/2004 1.5 48855 12/20/2004 1.5 48855 3/19/2009 1.5 48855 3/26/2004 4.3 48855 3/26/2004 4.3 48855 7/16/2004 4.3 48855 7/16/2004 4.3 48855 7/16/2004 4.3 48855 6/11/2006 4.3 48855 7/28/2009 4.2 48855 11/25/2002 4.4 48855 6/11/2007 4.0 48855 3/14/2009 4.3 48855 6/11/2007 4.0 48855 11/12007 4.0 48855 11/12009 4.3 48855 11/12009 4.4 48855 6/12/2009 4.4 48855 1/12/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.4 48855 1/2/2009 4.1 48855 1/2/2009 4.1 48855 1/2/2009 4.1 48855 1/2/2009 4.1 48855 1/2/2009 4.1 48855 1/2/2009 5.6 48855 1/2/2008 6.6 48855 1/2/2009 6.8 48855 1/2/2009 6.8 48855 1/2/2009 6.8 48855 1/2/2009 6.8 48855 1/2/2009 6.8 48855 1/2/2009 6.8 48855 1/2/2009 6.8 48855 1/2/2009 6.4 48855 1/2/2009 6.4 48855 1/2/2009 6.4 48855 1/2/2009 6.4 48855 1/2/2009 6.4 48855 1/2/2009 6.4 48855 1/2/2009 6.4 48855 1/2/2009 6.5 48855 1/2/2009 6.0 48855 1/2/2009 6.0 48855 1/2/2009 6.0 48855 1/2/2009 6.0 48855 1/2/2009 6.2 48855 1/2/2	Zipcode	Test Date	LT Sign	Result
48855       3/24/2008       1.6         48855       2/18/2008       1.6         48855       2/5/2007       1.5         48855       9/20/2004       1.5         48855       12/20/2004       1.5         48855       3/19/2009       1.5         48855       3/26/2004       4.3         48855       7/16/2004       4.3         48855       4/1/2006       4.3         48855       7/28/2009       4.2         48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       1/11/2010       4.6         48855       1/21/2009       4.4         48855       1/2/2009       4.4         48855       1/2/2009       4.4         48855       1/2/2009       4.1         48855       1/2/2008       4.1         48855       1/2/2008       7.6         4885				
48855       2/18/2008       1.6         48855       2/5/2007       1.5         48855       9/20/2004       1.5         48855       12/20/2004       1.5         48855       3/19/2009       1.5         48855       3/26/2004       4.3         48855       7/16/2006       4.3         48855       7/28/2009       4.2         48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       4/15/2003       4.1         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       1/2/2009       4.1         48855       1/2/2009       4.1         48855       1/2/2009       4.4         48855       1/2/2009       4.1         48855       1/2/2008       4.1         48855       1/2/2008       4.1         48855       1/2/2008       4.5         48855       1/2/2008       6.6         48855       4/18/2005       6.8         48855 </td <td>48855</td> <td>6/11/2009</td> <td></td> <td>1.6</td>	48855	6/11/2009		1.6
48855       2/5/2007       1.5         48855       9/20/2004       1.5         48855       12/20/2004       1.5         48855       3/19/2009       1.5         48855       3/26/2004       4.3         48855       7/16/2004       4.3         48855       4/1/2006       4.3         48855       7/28/2009       4.2         48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       1/21/2009       4.4         48855       1/27/2005       4.2         48855       1/27/2005       4.2         48855       1/27/2008       4.1         48855       1/28/2003       4.3         48855       1/29/2008       4.5         48855       1/29/2008       6.8         48855       1/29/2008       6.8         48855       4/18/2005       6.8         48855       4/12/2009       6.4 <td< td=""><td>48855</td><td>3/24/2008</td><td></td><td>1.6</td></td<>	48855	3/24/2008		1.6
48855       9/20/2004       1.5         48855       12/20/2004       1.5         48855       3/19/2009       1.5         48855       3/19/2004       4.3         48855       7/16/2004       4.3         48855       4/1/2006       4.3         48855       4/1/2006       4.3         48855       4/1/2009       4.2         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       6/11/200       4.3         48855       6/11/2001       4.6         48855       1/21/2008       4.1         48855       1/2/2009       4.4         48855       1/2/2008       4.1         48855       1/2/2008       4.1         48855       1/29/2008       7.6         48855       1/29/2008       7.6         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       4/12/2008       6.4         48855				
48855       9/20/2004       1.5         48855       12/20/2004       1.5         48855       3/19/2009       1.5         48855       3/19/2004       4.3         48855       7/16/2004       4.3         48855       4/1/2006       4.3         48855       4/1/2006       4.3         48855       4/1/2009       4.2         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/2/2009       4.4         48855       1/2/2009       4.4         48855       1/2/2009       4.4         48855       1/2/2008       4.1         48855       1/2/2008       4.1         48855       1/29/2008       7.6         48855       1/29/2008       7.6         48855       4/12/2008       6.4         48855       4/12/2008       6.4         48855<				
48855       12/20/2004       1.5         48855       3/19/2009       1.5         48855       3/26/2004       4.3         48855       7/16/2004       4.3         48855       4/1/2006       4.3         48855       7/28/2009       4.2         48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/12/2009       4.4         48855       1/2/2009       4.4         48855       1/2/2009       4.4         48855       1/2/2009       4.1         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       1/2/2008       4.5         48855       1/19/2010       6.6         48855       1/19/2010       6.6         48855       1/12/2008       7.6         48855       1/12/2008       7.6         48855       1/17/2004       6.4         48855       1/17/2004       6.4         4885		9/20/2004		
48855       3/19/2009       1.5         48855       3/26/2004       4.3         48855       7/16/2006       4.3         48855       4/12/2006       4.3         48855       7/28/2009       4.2         48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/2/2008       4.1         48855       1/29/2008       4.5         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       4/12/2008       6.4         48855       4/12/2009       6.4         48855       4/12/2009       6.4         48855       11/30/2002       6.0         48	48855	12/20/2004		
48855       3/26/2004       4.3         48855       7/16/2004       4.3         48855       4/1/2006       4.3         48855       7/28/2009       4.2         48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       1/2/2009       4.4         48855       1/2/2009       4.4         48855       2/2/2009       4.4         48855       2/2/2008       4.1         48855       2/2/2008       4.1         48855       2/2/2008       4.1         48855       1/2/2008       4.5         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       4/18/2005       6.8         48855       4/12/2008       6.4         48855       4/2/2009       6.8         48855       4/2/2009       6.4         48855       4/2/2009       6.4         48855       11/28/2009       6.4         48855 <td></td> <td>3/19/2009</td> <td></td> <td></td>		3/19/2009		
48855       4/1/2006       4.3         48855       7/28/2009       4.2         48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/21/2008       4.5         48855       1/29/2008       7.6         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       1/29/2008       6.8         48855       1/17/2004       6.4         48855       1/17/2004       6.4         48855       1/1/2009       6.4         48855       1/1/2000       6.0         48855       1/1/2000       6.0         48855       1/2/2009       5.2         48855 </td <td>48855</td> <td>3/26/2004</td> <td></td> <td></td>	48855	3/26/2004		
48855       4/1/2006       4.3         48855       7/28/2009       4.2         48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/21/2008       4.5         48855       1/29/2008       7.6         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       1/29/2008       6.8         48855       1/17/2004       6.4         48855       1/17/2004       6.4         48855       1/1/2009       6.4         48855       1/1/2000       6.0         48855       1/1/2000       6.0         48855       1/2/2009       5.2         48855 </td <td></td> <td></td> <td></td> <td></td>				
48855       7/28/2009       4.2         48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/2/2008       4.1         48855       2/2/2008       4.1         48855       1/21/2008       4.5         48855       1/21/2008       7.6         48855       1/29/2008       7.6         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       1/129/2008       6.8         48855       1/17/2004       6.4         48855       1/1/2009       6.4         48855       11/28/2008       6.4         48855       11/20/2009       6.0         48855       11/20/2003       4.6         48855       12/11/2002       5.4 <td< td=""><td></td><td></td><td></td><td></td></td<>				
48855       11/25/2002       4.4         48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/21/2008       4.5         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       4/18/2005       6.8         48855       4/12/2008       6.4         48855       4/12/2008       6.4         48855       11/28/2008       6.4         48855       11/28/2009       6.0         48855       11/2000       6.0         48855       11/12002       5.4         48855       12/11/2002       5.4         48				
48855       6/11/2007       4.0         48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/29/2008       7.6         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       1/129/2008       7.6         48855       1/129/2008       6.8         48855       1/17/2004       6.4         48855       1/17/2004       6.4         48855       1/1/2009       6.4         48855       11/28/2008       6.4         48855       11/28/2009       6.0         48855       11/20004       6.0         48855       10/2/2009       5.2         48855       10/2/2009       5.2         48855       11/1/2002       5.4         4				
48855       3/14/2009       4.3         48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       4/18/2005       6.8         48855       4/18/2005       6.8         48855       4/18/2009       6.8         48855       4/12/2009       6.4         48855       4/21/2009       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       4/9/2004       6.0         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       11/12/2002       5.4         48855       11/12/2003       4.6         48855       11/12/2000       5.2 <td< td=""><td></td><td></td><td></td><td></td></td<>				
48855       4/15/2003       4.1         48855       1/11/2010       4.6         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/19/2010       6.6         48855       1/19/2008       7.6         48855       1/19/2008       7.6         48855       4/18/2005       6.8         48855       4/18/2005       6.8         48855       4/12/2008       6.4         48855       4/12/2008       6.4         48855       4/12/2008       6.4         48855       11/2009       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/9/2004       6.0         48855       10/2/2009       5.2         48855       11/12/002       5.4         48855       11/11/2002       5.4         48855       11/10/2003       4.8         4885				
48855       1/11/2010       4.6         48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/19/2010       6.6         48855       1/19/2008       7.6         48855       4/18/2005       6.8         48855       4/18/2005       6.8         48855       4/18/2005       6.8         48855       4/18/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/28/2008       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       10/2/2009       5.2         48855       11/1/2002       5.4         48855       11/1/2002       4.7         48855       11/20/2003       4.8         48855       11/18/2008       5.0				
48855       6/22/2009       4.4         48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/19/2010       6.6         48855       1/19/2010       6.6         48855       1/129/2008       7.6         48855       4/18/2005       6.8         48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       10/2/2009       5.2         48855       10/2/2009       5.2         48855       11/11/2002       5.4         48855       11/12000       4.7         48855       11/14/2008       4.7         48855       11/18/2008       4.7         48855       11/17/2008       5.0 <td< td=""><td></td><td></td><td></td><td></td></td<>				
48855       1/2/2009       4.4         48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/19/2010       6.6         48855       1/129/2008       7.6         48855       4/18/2005       6.8         48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       10/2/2009       5.2         48855       10/2/2009       5.2         48855       11/12002       5.4         48855       11/12002       4.7         48855       11/120003       4.8         48855       11/18/2008       4.7         48855       11/18/2008       4.7         48855       11/18/2008       5.0         48				
48855       2/7/2005       4.2         48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       10/2/2009       5.4         48855       10/2/2009       5.4         48855       11/11/2002       5.4         48855       11/11/2002       4.7         48855       11/120/2003       4.8         48855       11/18/2008       4.7         48855       11/18/2008       5.0         48855       11/17/2008       5.0         48855       11/17/2008       5.0				
48855       2/2/2008       4.1         48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       10/2/2009       5.2         48855       10/2/2009       5.2         48855       11/1/2002       5.4         48855       11/11/2002       4.7         48855       11/120/2003       4.8         48855       11/18/2008       4.7         48855       11/17/2008       5.0         48855       11/17/2008       5.0         48855       11/17/2008       5.0         48855       11/16/2002       5.2				
48855       2/8/2003       4.3         48855       1/21/2008       4.5         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       11/1/2002       4.7         48855       11/3/2004       5.8         48855       11/3/2004       5.8         48855       11/20/2003       4.8         48855       11/18/2008       4.7         48855       11/18/2008       5.0         48855       11/17/2008       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2 <td></td> <td></td> <td></td> <td></td>				
48855       1/21/2008       4.5         48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       11/1/2002       4.7         48855       11/3/2004       5.8         48855       11/3/2004       5.8         48855       11/20/2003       4.8         48855       11/18/2008       4.7         48855       11/17/2008       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       1/19/2010       6.6         48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       11/1/2002       4.7         48855       11/3/2004       5.8         48855       11/20/2003       4.8         48855       11/20/2003       4.8         48855       11/18/2008       4.7         48855       11/18/2008       5.0         48855       11/7/2008       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       1/29/2008       7.6         48855       4/18/2005       6.8         48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       11/1/2002       4.7         48855       11/3/2004       5.8         48855       11/20/2003       4.8         48855       11/8/2004       4.8         48855       11/18/2008       4.7         48855       11/17/2008       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       4/18/2005       6.8         48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       11/1/2002       4.7         48855       11/3/2004       5.8         48855       11/20/2003       4.8         48855       11/18/2008       4.7         48855       11/18/2008       5.0         48855       11/17/2008       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.7				
48855       6/6/2009       6.8         48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       11/3/2004       5.8         48855       11/20/2003       4.8         48855       11/18/2008       4.7         48855       11/18/2008       5.0         48855       11/17/2008       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       1/7/2004       6.4         48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       11/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/17/2008       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.7				
48855       4/12/2008       6.4         48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       11/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/17/2008       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       4/21/2009       6.4         48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/17/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       11/28/2008       6.4         48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/17/2008       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       11/30/2002       6.0         48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       11/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/17/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       4/9/2004       6.0         48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       4/27/2004       6.0         48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       3/17/2003       4.6         48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       10/2/2009       5.2         48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       12/11/2002       5.4         48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       7/6/2007       5.1         48855       11/1/2002       4.7         48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       11/1/2002       4.7         48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       1/3/2004       5.8         48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       11/20/2003       4.8         48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       4/8/2004       4.8         48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       11/18/2008       4.7         48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       11/7/2008       5.0         48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       6/22/2009       5.0         48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855       9/13/2007       5.7         48855       11/16/2002       5.2				
48855 11/16/2002 5.2				
******				
	48855	11/10/2002		0.2

# AREA RADON INFORMATION

	9/21/2007	7.5
48855	11/2/2002	7.4
48855	10/24/2003	6.7
48855	4/12/2005	6.6
48855	9/15/2003	7.7
48855	1/14/2005	15.2
48855	1/8/2004	8.0
48855	12/17/2005	8.0
48855	4/26/2005	10.8
48855	10/24/2005	8.8
48855	11/1/2002	9.8
48855	3/7/2008	8.5
48855	4/8/2004	11.4
48855	1/21/2008	8.2
48855	12/18/2006	2.0
48855	2/10/2007	9.1
48855	2/18/2008	2.0
48855	9/18/2008	32.5
48855	5/9/2009	2.1
48855	5/26/2009	2.0
48855	3/6/2008	2.9
48855	2/16/2008	2.9
48855	11/23/2009	2.8
48855	2/11/2008	2.5
48855	4/22/2003	2.5
48855	3/6/2004	2.5
48855	3/24/2008	2.5
48855	3/11/2008	2.5
48855 48855	1/23/2008 4/5/2004	2.5 2.4
48855	11/17/2004 11/17/2004	2.4
48855	1/22/2008	2.4
48855	10/10/2008	2.4
48855	2/1/2008	2.3
48855	2/8/2008	2.3
48855	12/12/2009	2.4
48855	1/29/2008	2.2
48855	4/6/2009	2.3
48855	1/26/2010	2.3
48855	4/18/2003	2.2
48855	1/19/2010	2.2
48855	1/16/2004	2.3
48855	11/1/2002	2.1
48855	11/17/2003	2.1
48855	4/10/2009	2.9
48855	12/26/2003	2.7
48855	1/9/2004	2.7
48855	6/25/2009	3.0
48855	10/23/2003	2.8
48855	11/4/2002	2.8
48855	5/21/2007 10/17/2008	2.6 2.7
48855 48855	1/29/2008	2.7
48855	9/2/2008	2.6
48855	2/11/2008	2.6
48855	11/11/2002	2.9
48855		

# AREA RADON INFORMATION

	1/18/2008		2.8
48855	1/28/2008		2.8
48855	1/20/2010		2.7
48855	2/12/2009		2.7
48855	3/24/2007		3.8
48855	4/15/2004 1/28/2008	,	3.6
48855 48855	2/11/2008	<	0.3 0.3
48855	6/23/2006		3.6
48855	2/10/2009		3.6
48855	2/2/2009		3.6
48855	2/9/2009		3.5
48855	3/12/2007		3.5
48855	1/27/2003		3.4
48855	4/12/2004		3.4
48855	11/9/2009		3.4
48855	10/3/2003		3.2
48855	1/25/2010		3.1
48855	2/9/2009		3.2
48855	3/17/2003		3.0
48855	2/28/2007		3.3
48855	9/20/2003		3.9
48855	3/13/2003		3.7
48855	10/28/2003		3.9
48855	6/21/2004		3.9
48855	1/15/2010	<	0.3
48855	1/29/2008		3.9
48855	10/26/2009		3.3
48855	10/3/2003		3.8
48855	3/17/2003		3.8
48855	3/29/2008		1.8
48855	4/12/2005		1.8
48855	2/4/2008		1.7
48855	11/1/2002 2/21/2009		1.7 1.7
48855 48855	11/30/2006	<	0.3
48855	4/2/2004	<	0.3
48855	2/4/2008		0.5
48855	1/19/2008		0.5
48855	1/29/2008		0.5
48855	10/30/2008	<	0.3
48855	1/29/2008	<	0.3
48855	2/28/2008	<	0.3
48855	1/30/2009		1.0
48855	2/17/2009		1.0
48855	4/2/2004		0.7
48855	11/7/2002		0.9
48855	2/23/1995		0.6
48855	12/7/2009		8.0
48855	2/6/2009		1.4
48855	1/26/2006		1.4
48855	3/17/2008		1.4
48855	1/29/2008		1.4
48855	10/7/2008		1.3
48855	3/17/2008		1.3
48855	2/12/2008		1.3
48855			

# AREA RADON INFORMATION

8/18/2005	1.3
5/15/2009	1.3
1/23/2008	1.2
4/18/2005	1.2
8/30/2004	1.2
2/24/2003	1.1
8/17/2009	1.2
1/19/2004	1.0
9/15/2006	1.0
9/12/2006	1.0
	5/15/2009 1/23/2008 4/18/2005 8/30/2004 2/24/2003 8/17/2009 1/19/2004 9/15/2006

# Federal EPA Radon Zone for LIVINGSTON County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LIVINGSTON COUNTY, MI

Number of sites tested: 9

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.687 pCi/L	88%	12%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.733 pCi/L	22%	78%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

### **HYDROLOGIC INFORMATION**

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources

Telephone: 517-241-2254

# HYDROGEOLOGIC INFORMATION

AQUIFLOWR Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

# **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

The data in this file was obtained from Wellogic, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogic contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence. Locations of verified municipal and private water well sites compiled from Michigan Department of Public Health, Water Well and Pump Records. Available in the following MI counties: Calhoun, Eaton, Genesee, Ingham, Jackson, Kalamazoo, Kent, Midland, Muskegon, Oakland, Ottawaw, Saginaw, St. Clair, Washtenaw.

# OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Telephone: 517-241-1528

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD),

Michigan Department of Natural Resources.

# RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551 Radon Test Results

#### Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by

Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

# OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

# STREET AND ADDRESS INFORMATION

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# Enforcement Actions - Perfected Lien List

# **Contact**

Katelyn Wysocki

<u>Wysockik@Michigan.gov</u>

517-614-2058

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Remediation and Redevelopment Division (RRD) has perfected liens on property pursuant to Section 20138 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.20101 et seq. The following is a current listing of liens perfected by the RRD on property as of the date that appears on this list. The list will be updated only when the RRD has perfected a new lien on a property or has released a lien from a property. A new

date will then appear on the list. This list does not include any lien(s) that may have been perfected by another EGLE Division or other entity. The information provided herein cannot be construed or interpreted as legal verification that a perfected lien does not exist on a particular property, or that a lien is the only perfected lien on a property. To obtain legal verification, you must access official records from the appropriate County Register of Deeds and/or the Michigan Secretary of State when applicable.

# Downloadable Excel Spreadsheet

Updated: July 22, 2024; newly added items are indicated with vellow highlight - sort by 'Date Item Posted' to see the latest postings first. Note that documents posted prior to June 2023 do not have a date item posted.

Show	10	entries
Living	gston	

County	Township	City	Address	Description	Lot No	Section
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30
Livingston	Putnam					27
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30

County	Township	City	Address	Description	Lot No	Section
Livingston		Fowlerville	306 E. Grand River	Fowler's First Add	Lot 39 Blk 2	
Livingston				A judgment lien in case 12-26969-CE is against all of the properties owned in Livingston County by Patrick Jay Conely (Sr). If this individual is in the chain of title as of 9/18/2019, it is likely to be subject to this lien.		

Showing 1 to 5 of 5 entries (filtered from 104 total entries)

Previous 1 Next

# EGLE

# **Enforcement Actions - Perfected Lien List**

Copyright State of Michigan

# Livingston County Health Department Environmental Health Division (517) 546-9850

204 S Highlander Way Howell, MI 48843

# Application and Permit to Install Water Supply and/or Sewage Disposal Facilities for Industrial, Commercial, and Multiple Family Residential

Please	Print or Type
☐ New Construction 💢 Replacement 🔲 Alteration or Enlargen	nent
Twp Howell Section No Z1	_ Owner D+H Farms 2
Bus Name D+H Farms	Contact Person Larry Smith
1750 Toolow	3 Address Same
P	P O No State
	Zip Phone () 546-4444
Premise Usage Commercial	Builder Brown Drilling Co Inc
No of Employees occupants	Builder Brown C Direction A C C
Max Estimated Daily Flow	Address 7215 E Highland Rd
How Determined 19 Employees @ 35 GPD	PO No City DUSCO State
+ 720 GPD Cooling Water = 1400 G	Phone () <u>546-0600</u>
well is no to be put into service until final written approval has been  Applicant's Signature  APPLICANT DO NOT	granted Light further state the information given herein is accurate and complete Dri line Date  TWRITE BELOW THIS LINE
88-0810 (CP) Prop. Des. No	cept NJ 36851 Amt 40- MIS No
✓ APPROVED □ NOT APPROVED Env Sanitarian	(
~	EYEAR FROM DATE OF ISSUANCE————
	Sewage Disposal System
Water Supply System / Municipal □ Private   ✓	Municipal Private
Well Type □ IIa □ IIb 🌠 III □ Test	Soil Evaluation No
Pump Type	Septic Tank Size
	Soil Absorption System
Pumping Capacity	
Contractor	_ \
	Engr Plans Approved
Comments	Initial/Date
	Plot Plan Approved
SAMPLES CONTACT SANITARIAN FOR AN	Initial/Date
APPOINTMENT	Comments
*FROPOSED WELL LOCATION CH	1000-17
NEW LOCATION - NORTHEAST	
CORNER OF BUILDING,	Field InspectionsInitial/Date
Initial Proposal Reviewed and Approved	Initial/Date
Sanitary Survey Completed and Approved	Engr Cert Reviewed and Approved
	Sewage Disposal Systems Approved
Water Supply System Approved	Sewage Disposit Systems Approved
Environmental Santanan Date	Environmental Sanitarian Date

#### **Livingston County Health Department** 210 South Highlander Way Howell, Michigan 48843 Telephone (517) 546-9850 Well Permit Number APPLICATION FOR PERMIT To Install 🔯 Sub-Surface Sewage Disposal System and/or □ Water Supply Facilities STRUCTURE SERVED TYPE OF INSTALLATION **ATTACHMENTS** ☐ Legal Description☐ Certificate of Survey ☐ Scaled Plot Plan **New Construction** ☐ Residential □ Other (Specify) □ Enlargement ☐ Engineered Plans Replacement mmercial ☐ Repair LOCATION OF PROPERTY Lot No Township Village City Section No. Subdivision Directions to Property Street/Road Zip Telephone Property hers Name Well Driller Applicant s Name Sewage System Installer I hereby apply for this permit and have authorization to do so. I understand this is 18-85 a construction permit only and the sewage disposal system and/or well is not to be put into service until final written approval has been granted. I further state the Redelpt No information given herein is accurate and complete Construction permit is not valid unless signed by authorized representative of Health Department **Date** Application Approved Applicant s Signature

(For Health Department Use Only — Do Not Write Below This Line)

SEWAGE DISPOSAL SYSTEM CR	ITERIA AND SPECIFIC	ATIONS			
No Bedrooms	Daily Design Flo	ow <u>875</u>		ng #	
Septic Tank Capacity EXISTI	<u>ve 2000 (</u>	ial (Tank#1	<i>000</i> Gal	Tank #2	Gal )
		Chamber ☐ Yes	₩ No	Max Dose	Gal
System Type W Bed 🗆			Specify)		
Absorption Area (Bottom Area of	Trensh/Bed)	Sq Ft	Trench Width	52NA, C	]24 in ☐ 36 in
Lineal Ft of Trench or Perforated			Cutdown Req	uired <b>D</b> Yes	□ No
Depth of Cutdown Fill		n Pipe In Fro		Final Grade	
Special Restrictions INSTALL	SEWAGE AL	POSAL SYSTEM	I IN AREA	OF SOIL	
SPOT CUT 10'DE	EP 2 HOLE	5 IN CENTE	R OF DR	'AINAGE BE	D. KEEP
SYSTEM SHALLOW	PROUIDING	MINIMUL	Y COVER	USE BRID	LE HEADER U
Cutdown/Fili Inspection			No Lines	Length	1_ <i></i> Ft
·	Date/Initial	)- 1 C/A	- //_		// -
	<u>V</u>	banne M Cors	nuk_	10/	19/85
	Ser	wage System Installation	on Approved	4	Date
WELL INSTALLATION CRITERIA	AND SPECIFICATION	8			
Classification Type IIA □	Type IIB □ Ty	pe III □ Private □	wssn		
Minimum Isolation Distance to	Sewage System	Ft O	ther (Specify)		Ft
Water Samples to be Taken by	☐ Health Departme	nt	☐ Property (	Owner	
Special Restrictions					
Well Depth Ft	Static Water Level	Ft	Yield	gpm Casing S	ızeIn

- Use of On-Site Water and Sewage Disposal Systems shall be Discontinued when Public Water and/or Sanitary Sewers become Available to the Property Owner
- Since many Interrelating Factors Contribute to the Failure of a Sewage Disposal System and/or changes in Water Quality Approval cannot be Considered as a Guarantee by the Health Department that Successful Operation or Quality of Drinking Water is Assured

- PERMIT VALID FOR ONE YEAR AFTER DATE OF ISSUANCE -

FUTURE BACTI SAMPLING BY OWNER DIL HID DI OTHER D FREQUENCY QUARTERLY | ANNUALLY | OTHER | ....

PER 100 ML DATE

MG/L DATE

TEST RESULTS BACTI

YELLOW COPY APPLICANT

PINK COPY OTHER

FINAL APPROYAL. On the basis of a final inspection of the worl authorized by the WELL CONSTRUCTION PERMIT and/o receipt of satisfactory results of water quality analysis and submis

(Not valid unless sig

SATISFACTORY

WATER WELL RECORD

SUBMITTED

DATE RECEIVED

□ Disapproved

APPROVED	
CONDITIONAL	
Rec'd By	снк - \$5.00

# LIVINGSTON COUNTY HEALTH DEPARTMENT

COURT HOUSE ANNEX - HOWELL, MICHIGAN

# **APPLICATION**

N<sup>o</sup> 3281

For Permit to Install or Construct Sewage Disposal System (Township, Village, City) (Subdivision) (Lct No ) (Nearest Known Location) \_Ground water table\_\_\_\_ \_\_\_ft Percolation test. Type soil to 6-feet\_ Well location 25 No of bath facilities... Number of bedrooms Commercial Establishment Lav. Automatic Washer [ Garbage Grinder 🗀 TILE FIELD 500 INSTALL SEPTIC TANK 1000+750gals 11120 The issuance of this permit in no way relieves you from obtaining all other necessary permits from the local building department DO NOT FILL IN - The following data is to be provided by the Livingston County Health Department PERMIT TO INSTALL OR CONSTRUCT SEWAGE DISPOSAL SYSTEM Permission is hereby granted to install the 24" Frenches ш following 2 Septic Tank 1000 + 750 gals stone under tile. 0 Tile Drain Field 500 Δ. (Sanitarian) Installation Approved: (Date)

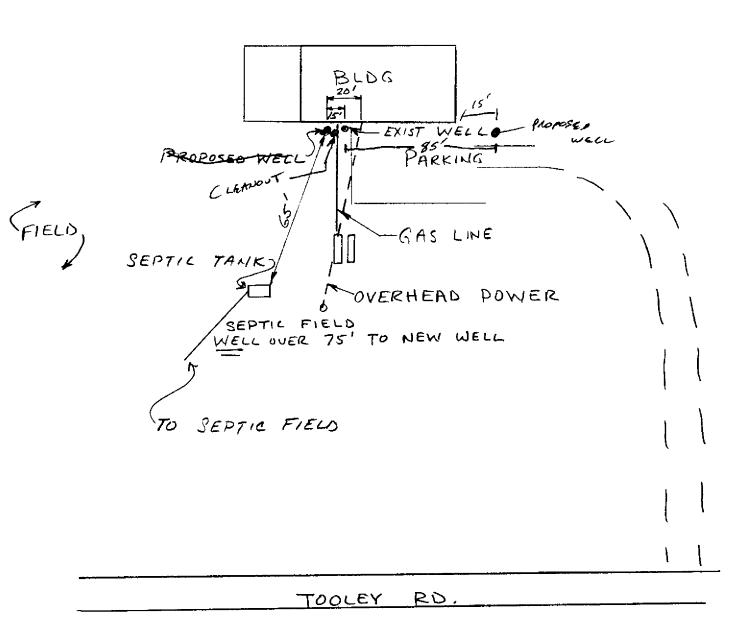
10 Rows Old



7215 Highland Road (M-59) Howell, Michigan 48843 (517) 546-0600

D+H FARMS

<del>// ></del>



MICHIGAN DEPARTMENT OF PUBLIC HEALTH GEOLOGICAL SURVEY NO

WATER	WELL	AND	<b>PUMP</b>	RECORD
-------	------	-----	-------------	--------

	PEF	RMIT	N	JMB	ER		

1 LOCATION OF WELL							•
County	Township Name		Fraction		Section Number	Town Number	Range Number
Livingston	Howell		SE 1/4	NE'4 NE '4	21	3N N/S	4F E/W
Distance And Direction From Road Int	ersection			3 OWNER OF	MELL	H Farms	
M59 west, Tooley R	d. north, 2nd di	rive west	t off			Tooley Rd.	.
Tooley	,			Address		11, MI 488	1
100001					nowe	11, 111 400	)43
Street Address & City of Well Locatio	n			Address Sa	ime As Well Locatio		] No
Locate with X in Section Below		etch Map	VI 1040	4 WELL DEPTH		TEAR New We	
[	•				MO P DAY	YEAR IL New We	n
					<u> </u>		
▋▐╌╌┽╌╌╬╌╌┧				5 Cable to			∐ Dug
				Hollow r			<u> </u>
▋ <sup>™</sup> ┞╶╶┤╴┈ <i>╅╺╺</i> ╎╸╸┫ <sup>⋸</sup> ╅╴				B USE Don	nestic 🔲 Type I	Public 🗌	Type III Public
				bring.		la Public 🔲	Heat pump
				Test	: Well 🔲 Type li	lb Public 🔲	
				7 CASING	Steel <b>T</b> Thread	led Height Abov	re/Below
1 MILE					Plastic Welde	d I Surface	f.
		THICKNESS	DEPTH TO		137_ft_depth	Weight 10.	1
2 FORMATION DESC	CRIPTION	OF STRATUM	STRATUM	in ti	o ft depth	i Meight TO:	Lysos /n
		1			1 Hole Diameter	Drive Shoe	Yes
n		0-			oft_depth		□ No
Brown Clay Gravel		25	25	B SCREEN	o ft_depth		
						∐ Not Ir	
Sandy Gray Clay w/La	rge Gravel	13	38	Type <b>R</b> C	ock Well	Diameter	
				Slot/Gauze .		Length	
Gravel		4	42	Set between	· f1	and	ft
		1		FITTINGS	K Packer 🔲	Lead Packer	Bremer Check
Gray Clay w/Large Gr	ave1	13	55	☐ Blank at	bove screen	ft Other	
				9 STATIC WAT	ER LEVEL		
Gray Sandy Clay		82	137_	61	ft_below land	surface	Flow
oral camil oral	·	1			EVEL below land su		7,0,0,0
Sandy Shale		23	160		do adea.		0.004
-Sandy Share		<del>  ~3  </del>	TOU		ft after hrs		
				130-	ft after 2 hrs	pumping at	_ G P M
		<del> </del>		11 WELL HEAD	) [7]		
				COMPLETIO	N Kritiess au		bove grade
		+		12 WELL GROU	ITCD)	t offset Appr	
		1		12 WELL GIIO	No ]	Yes From	to ft
		<del> </del>		. □ Naai sa	ment Bento		
				L Near Ce	ment   Deuto	unte 🗀 Other –	*
		<b>.</b>				Additives	
				13 Nearest sou	rce of possible conta		
				Type	Distar	nce <u>ft</u> Dire	ction
				Well disinfecte	ed upon completion?	Yes 🔲 N	•
				Was old well	plugged?	XYes 🔲 N	•
				14 PUMP	Not Installed	Pump Inst	taliation Only
						ed Jacket	,
					_		-1:-
•		1			erCN12E		
Old mil sheet-	/17 1	<b></b>			rop Pipe105	_	
Old well abandoned w	'1' bags cement	grout.		TYPE [	Submersible	Jet	
		<del>                                     </del>			ANK r s name	Existing	
118F - ALIA GUPT	NEEDER					_	<b>I</b>
15 Remarks elevation source of		I	16 WATER	Model numb		CATION	Gallons
10 Hemarks Alevanon Source Of	vala Elb	į			ACTOR S CERTIFF  or my jurisdiction and		
		1		est of my knowle			
		ļ		BROWN INDI	LLING CO.,	TNC	26
				REGISTERED BUSIN	HESS NAME	REGISTRATIO	
17 Rig Operator s Name			Address	721	5 Highland	Rd. Howell	MI 48843
			_	·//	سي		
D67d 2/89		1	Signed .	AUTHOR!	ZED REPRESENTATIVE	Z & C Date	2 //
		5.		~~~~			

Authority Completion Penalty

Act 368 PA 1978
Required
Conviction of a violation
of any provision is a
misdemeenor

# LIVINGSTON COUNTY HEALTH DEPARTMENT

well

Commercial/Industrial Facility Checklist

104.6

This will be a replacement well.						
Prior to the issuance of a water well or sewage disposal permit for new construction or an addition at a commercial or industrial building site, the following checklist must be completed and submitted to the Livingston County Health Department.						
Facility Name D+ H Farms						
Facility Location 2755 Tooley Rd; Howell						
Facility Zip <u>48843</u>						
Township, Section # Howell Two / Sec 21						
Contact Person Larry Smith						
Phone Number 546 -4444						
I. Water Well  Mo Facility will serve drinking water to 25 persons or more at least 60 days per year.  Water well will serve only this facility  Water well will have less than 15 service connections.						
Facility will utilize less than 20,000 gallons of water per day.  Estimated Water Use 1400 GPD						
*If any of the above items are checked, then a Type IIb Non-Community Public Water Supply Permit may be required in addition to the Livingston County Health Department permit. There is no additional charge for the Type IIb Non-Community Public Water Supply Permit.						
*If you did not check any of the above items, the well may be classified as a Type III Non-Community Public Water Supply, with no additional permit needed.						
*Act 399, P.A. 1976 available upon request through the Livingston County Health Department.						

Soil borings (perc tests) have been conducted in area

of proposed drainage bed(s).

Soil borings were conducted prior to 1981.

		Facility will generate less than 1,000 gallons of sewage/day.
•	•	Facility will generate more than 1,000 gallons of sewage/day.
	of s	ge disposal systems accepting more than 1,000 gallons ewage per day must be designed and approved by an neer.
	of s	ge disposal systems accepting less than 1,000 gallons ewage per day will be evaluated on a case by case basis o the need of an engineered system.
•		Engineer has designed the sewage disposal system for facility.
		Sewage disposal system will utilize pump chamber and will be pressurized.
		Floor drains will be located in production areas, service areas, or chemical storage areas.
	*Livi thro	ngston County Sanitary Code available upon request
III.	Under	ground Storage Tanks
	X	Facility will use UST(s) for fuel storage - capacity of tank(s) less than 1,100 gallons. For gasoline. Fanta located estimated 500' from Well.
	,	Facility will use UST(s) for chemical or hazardous - waste storage - capacity of tank(s) less than 1,100 - gallons.
		Facility will use UST(s) for fuel storage - capacity of tank(s) exceeds 1,100 gallons.
		Facility will use UST(s) for chemical or hazardous waste storage - capacity of tank(s) exceeds 1,100 gallons.
,,, • _	Inte rega Cont	torage capacity of UST exceeds 1,100 gallons, then EPA rim Regulations must be followed. New EPA Regulations rding USTs may go into effect in spring of 1988.
, - ·	_ assi	stance. USTs currently regulated under State of igan Fire Code, Act 207, P.A. 1941.

\*Act 207 available upon request through Livingston County

Health Department.

# Page 3

# IV. Chemical Storage and Use

- Facility will use or store one or more materials listed on the Michigan Water Resources Commission Critical Materials Register (CMR).
- \_\_\_\_ Facility will use or store materials not on CMR.
- Chemical storage area will consist of a curbed, concrete containment area.
- Chemical use area will be designed as a containment area.
- \*If a material listed on the CMR is used or stored at the facility, a Pollution Incident Prevention Plan (PIPP) will be required.
- \*Secondary containment may be required for liquid materials listed on the CMR secondary containment consists of a curbed, concrete containment area designed to contain 150 percent of the liquid volume to be stored.
- \*Part 5 Rules of Act 245, P.A. 1929, are available upon request through the Livingston County Health Department.

# IV. <u>Hazardous Waste Generation</u>

- Facility will generate less than one-half of a 55 gallon drum (<100 kilograms) of hazardous waste per month.
- Facility will generate between one-half and five 55 gallon drums (100-1,000 kilograms) of hazardous waste per month.
- Facility will generate more than five 55 gallon drums (> 1,000 kilograms) of hazardous waste per month.
- \*If facility generates less than one-half of a 55 gallon drum (<100 kilograms) of hazardous waste per month, facility is classified as a Conditionally Exempt Small Quantity Generator.
- \*If facility generates between one-half and five 55 gallon drums (100-1,000 kilograms) of hazardous waste per month, then facility is classified as a <a href="mailto:Small Quantity Generator">Small Quantity Generator</a>.
- \*If facility generates greater than five 55 gallon drums (>1,000 Kilograms) of hazardous waste per month, then facility if classified as a Generator.

- \*Conditionally Exempt Small Quantity Generators and Small Quantity Generators are regulated by Michigan's Hazardous Waste Law, Act 64, P.A. 1979. Act 64 is available through the Michigan Department of Natural Resources.
- \*Generators are regulated under the Federal Hazardous Waste Law, RCRA.
  - RCRA, 1976 Resource Conservation and Recovery Act Michigan DNR, Hazardous Waste Division (517-373-2730) U.S. EPA (312-886-4448) RCRA Hotline (1-800-424-9346)
  - Act 64, 1979 Michigan's Hazardous Waste Management Act Michigan DNR, Hazardous Waste Division (517-373-2730)
  - Act 136, 1969 Liquid Industrial Waste Act Michigan DNR, Hazardous Waste Division (517-373-2730)
  - Act 60, 1976 PCB Act
    Michigan DNR, Hazardous Waste Division (517-373-2730)
  - Act 80, 1986 Right-to-Know Law Michigan Department of Labor (517-373-1410)
  - Act 245, 1929 Michigan's Water Resources Commission Act Michigan DNR, Groundwater Quality Division (517-373-1947)
  - Act 348, 1965 Michigan's Air Quality Act Michigan DNR, Air Quality Division (517-373-7023)
  - Act 399, 1976 Michigan's Safe Drinking Water Act Michigan Department of Public Health (517-335-8329)
  - Act 207, 1941 State of Michigan Flammable Liquids Code State Fire Marshall (517-332-1924)

al 10/5/87

0619-300-000

## **BIOTECH AGRONOMICS**

## **New Site Transmittal-Twp and County Health Dept**

To: Livingston County Health Dept

From: Kerry Taylor - Land Manager

2300 E Grand River Ave

1651 Beulah Hwy

Suite 102

Beulah, MI 49617

Howell, MI 48843

Facility: Milford WWTP

**Date:** 6/16/2014

CC:

Site ID: 03N04E15-HT02

WWTP, Appropriate DEQ District office,

Appropriate Township and County Health

Biotech Land File and Book

#### Comments:

Attached is a new land package for the aforementioned facility containing the following items:

Site Identification

□ Plat Map

□ Notification Letter

Please feel free to contact me at 231-882-7219 if you have any questions.

MINGSTON COUNTY
MEALTH DEPARTMENTAL

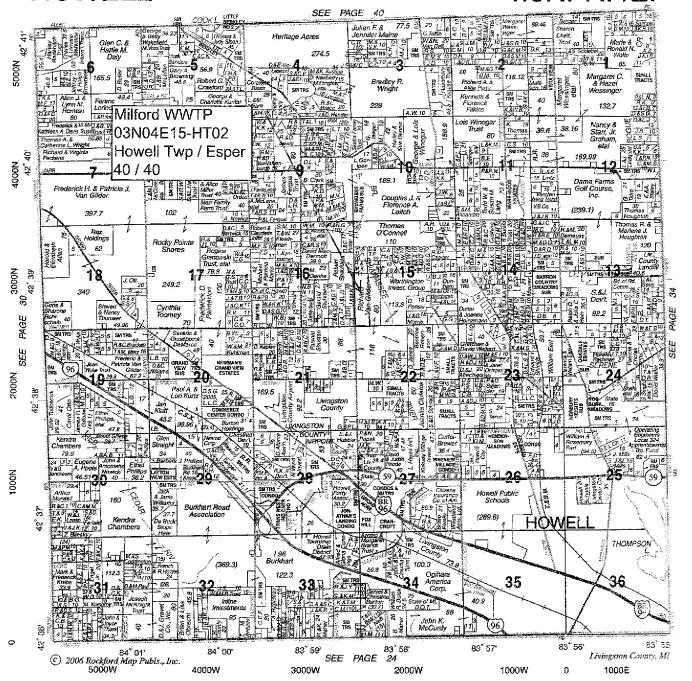
# SITE I.D. INFORMATION SHEET

Date 6/16/2014	Facility Milford WWTP
NPDES #MI0023604	Site I.D03N04E15-HT02
Site Location NE comer Warner & Tooley Roads	County Livingston
Township Howell	1 <sup>st</sup> 1/4 SW
Section 15	2 <sup>nd</sup> ¼ NE
Town 3N	Range04E
Latitude N 42* 38' 38"	Longitude W 83* 58' 30"
Method used Google	Written Agreement? Yes
Owner Name Howell Township	Owners Phone <u>517-546-2817</u>
Owner Address 3525 Byron Road	Owner City Howell
Owner State MI	Owner Zip48855
Previous Owner Van Gilder	Date Purchased 2009
Lessee Name Patrick Easper	Lessee Phone
Lessee Address 3025 Jewell Road	Lessee City Howell
Lessee State MI	Lessee Zip 48855
Site Type Agriculture	Previous Crop Beans
Intended Crop	Historic Yield 180
Total Acres 40	Total Acres Available 40
D.E. Q. District	Township Address
Township city zip	County Health
Health Dept Address	
Special Notes	

# Michigan Department of Environmental Quality- Surface Water Quality Division DEQ SITE IDENTIFICATION FORM

Complete the following information and provide the attachments listed below for each new site or existing site that has not had a Site Identification Form with attachments submitted to the DEQ since January 1, 1998. Please amend any previous Site Identification Forms when it becomes known that any of the information requested below has changed (i.e. new land owner).

SITE IDENTIFICATION FORM								
FACILITY NAME Milford WWTP NPDES or COC PERMIT NUMBER MI0023604						14		
A. Site ID	Site ID # Street or Route # NE corner Warner & Too			oley Roads				
B. County/Township:	County Livingston			Township Howell				
C. State Planar Coordinates:	SW 1/4	NE	1/4	Section 1	5 Town 3N			Range 04E
D. Lat/Long (nearest second):	Latitude			Method Used (i.e. GPS, topo) Google				
	Name of Owner					Phon		
E. Site Ownership		well To	ownship				517-546-2817	· .
	Street or P.O. Box	525 By	топ Road					
	City or Town Howel	1			State	MI	Zip 48855	
	Is there a written agre apply?	ement	from the owner	to land	Previ	ous lar	ndowners name Van Gilder	
		ement	is required		Prope	erty pu	rchase date 2009	
	Name of Lessee (if different) Patrick Easper			Phone 517-404-3328				
	Street or P.O. Box	025 Je	well Road	u	1.			
	City or Town Howel	İ			State	MI	Zip 48855	
F. Site Characteristics	Site Type  ⊠ Agricultural  □ *Reclamation Site □ Forest □ ** Lawn/Home Garden  *Separate approval is required **Requires EQ Biosolids			Date *Pho	e of las osphor	rmation st soils analysis 4/9/ rous 47 units PF	<u>om</u>	
	Expected crops/veg	etation	to be grown	· · ·	Potassium 61 units ppm pH 7.4 Soil type(s)			
		_	n Requirement		Soli type(s)  *300 lb/ac Bray P1 maximum			
		_	lbs. N/acre lbs. N/acre		See Attached			
			lbs. N/acre			cent s	-	
	Total acreage of site	40	0		Highest percent slope of the site?			ite?
	Acreage used for crop	os 40	0		□ 0-6% □ 6-12%			
	Public Exposure Is this land with a high potential for public exposure?				*Higher (Requires an approved site reclamation plan)			te reclamation plan)
	(See Definitions section on Page 19)				1 -		ral, is the site tiled?	A
<ul> <li>Yes ☑ No ☐ Yes ☑ No ☐ NA</li> <li>On an attached sheet provide a copy of the following:         <ul> <li>A Farm Services Agency map (formerly ASCS) of the proposed application site with property boundaries, surface waters, and discharge location of field tiles when present.</li> <li>A copy of the soil test analysis that is no older than 2 years old at the time of land application.</li> <li>A copy of the plat map (or other map showing property dimensions) with the proposed land application site highlighted.</li> <li>A soil survey map with the land application site identified.</li> </ul> </li> </ul>								





# **BOSS ENGINEERING**

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- Residential Subdivisions
- . Commercial Developments
- Planned Unit Developments
- Wastewater Treatment Plants
- Septic System Design
- Construction Staking
- Land Divisions
- · Boundary and Lot Surveys
- Topographical Surveys
- ALTA Surveys



# Biotech Agronomics, Inc.

P.O. Box 180 Benzonia MI 49616 231-325-5011

Date:

6/16/2014

To:

MDEO

County Health Department of Livingston

Township Clerk of Howell

Subject: Biosolids Applications Notification

Biotech Agronomics is preparing to apply biosolids (stabilized treated sludge) on land located in (See attached plat map), owned by

Howell Township

Latitude: N 42\* 38' 38"

Longitude: W 83\* 58' 30"

This notice is provided in accordance with Michigan Part 24 Biosolids Rules, to inform you of our activities within your area, and to give you a basic understanding of the fertilizer value of this material.

Provided to you free of charge any additional information as needed, including any record created in accordance with State rules pertaining to the actual biosolids application please contact:

Milford WWTP 1000 General Motors Rd Milford, MI 48381

The following analytical data represents the average contents of the biosolids that will be applied in your area. The U.S. EPA has developed the maximum limits from over 20 years of research. These limits represent a conservative annual application rate and at no time shall biosolids be applied which exceed any of these maximum values.

Most Recent Biosolids Average Analysis in mg/kg (dry weight basis)

Constituent	Concentration	Max. Allowable Concentration Limit
Arsenic (As)	7.13	75
Cadmium (Cd)	0.92	85
Copper (Cu)	199.0	4300
Lead (Pb)	10.5	840
Mercury (Hg)	0.36	57
Molybdenum (Mo)	4.12	75
Nickel (Ni)	10.8	420
Selenium (Se)	5.75	100
Zinc (Zn)	414.0	7500
Nitrogen (N)	70780	Ag Rate
Phosphorus (P)	23700	Ag Rate
Potassium (K)	4970	Ag Rate

Biosolids are the nutrient-rich organic materials produced during the biological and physical treatment of wastewater. The solids treated during this process produce and stabilized liquid or semi-solid material that contains nutrients required for crop growth, as well as organic matter to condition the soil. Treated biosolids contain the three primary crop nutrients: nitrogen, phosphorus, and potassium. They also contain nutrients that crops need in smaller amounts. These "micronutrients" are not commonly found in commercial fertilizers.

The DEQ's, Surface Water Quality Division, regulates the land application of biosolids. The program is endorsed by the Michigan Department of Agriculture, Michigan State University, Michigan Farm Bureau, Michigan Water Environment Association, Michigan Municipal League, U.S. Environmental Protection agency, U.S. Department of Agriculture, and the U.S. Environmental Protection agency, U.S. Department of agriculture, and the U.S. Food and Drug Administration.

## **BIOTECH AGRONOMICS**

## **New Site Transmittal-Twp and County Health Dept**

To: Livingston County Health Dept From: Kerry Taylor - Land Manager

2300 E Grand River Ave 1651 Beulah Hwy

Suite 102 Beulah, MI 49617

Howell, MI 48843

Facility: Pontiac WWTP

Date: 5/29/2014

Site ID: 03N04E15-HT01

CC: WWTP, Appropriate DEQ District office,

Appropriate Township and County Health

Biotech Land File and Book

#### Comments:

Attached is a new land package for the aforementioned facility containing the following items:

□ Site Identification

□ Plat Map

Notification Letter

Please feel free to contact me at 231-882-7219 if you have any questions.

LIVINGSTON COUNTY

JUN I 9 2014

ENVIRONMENTAL

HEALTH DEPARTMENT

# SITE I.D. INFORMATION SHEET

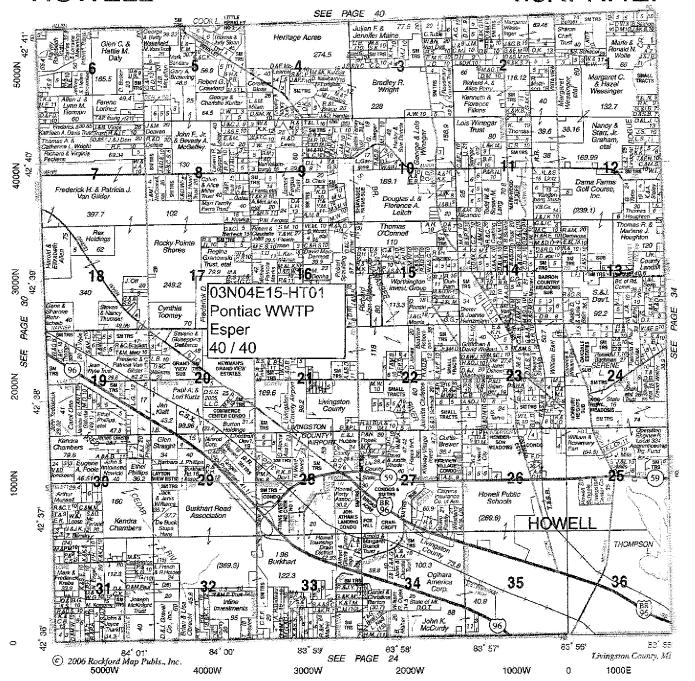
Date5/29/2014	Facility Pontiac WWTP
NPDES #M10023925	Site I.D. 03N04E15-HT01
Site Location NE corner Warner & Tooley Roads	County Livingston
Township Howell	1 <sup>st</sup> 1/4SW
Section 15	2 <sup>nd</sup> ¼ _ NE
Town 3N	Range 04E
Latitude N 42* 38' 38"	Longitude W 83* 58' 30"
Method used Google	Written Agreement?Yes
Owner Name Howell Township	Owners Phone _517-546-2817
Owner Address 3525 Byron Road	Owner City Howell
Owner State MI	Owner Zip48855
Previous Owner Van Gilder	Date Purchased 2009
Lessee Name Patrick Easper	Lessee Phone _517-404-3328
Lessee Address 3025 Jewell Road	Lessee City Howell
Lessee State MI	Lessee Zip 48855
Site Type Agriculture	Previous Crop Beans
Intended Cropcom	Historic Yield 180
Total Acres 40	Total Acres Available 40
D.E. Q. District	Township Address
Township city zip	County Health
Health Dept Address	
Special Notes	

# Michigan Department of Environmental Quality- Surface Water Quality Division DEQ SITE IDENTIFICATION FORM

Complete the following information and provide the attachments listed below for each new site or existing site that has not had a Site Identification Form with attachments submitted to the DEQ since January 1, 1998. Please amend any previous Site Identification Forms when it becomes known that any of the information requested below has changed (i.e. new land owner).

FACILITY NAME Ponting WWTP			· · · · · · · · · · · · · · · · · · ·						
FACILITY NAME Pontiac WWTP Pontiac WWTP						IUMBER MI00239:	25		
A. Site ID	Site ID# Street or Route # NE corner Warner & Too			oley Roads					
B. County/Township:	County Livingston			Township Howell					
C. State Planar Coordinates:	SW <sub>1/4</sub>	SW 1/4 NE 1/4 Section 15		Town 3N			Range 04E		
D. Lat/Long (nearest second):	Latitude   Longitude   W 83* 58' 30				0" Method Used (i.e. GPS, topo) Google				
E. Site Ownership	Name of Owner Howell Township			Phone 517-546-2817					
	Street or P.O. Box 3525 Byron Road						· · · · · · · · · · · · · · · · · · ·		
	City or Town Howell				State	MI	Zip 48855		
	Is there a written agre apply?	eement	from the ov	wner 1	o land	Previ	Previous landowners name  Van Gilder		
	Yes     No, written agreement is required			Property purchase date 2009					
	Name of Lessee (if different) Patrick Easper				Phone 517-404-3328				
	Street or P.O. Box	3025 Je	well Road						
	City or Town Howel	1				State	MI	Zip 48855	
F. Site Characteristics  Site Type  Agricultural  Forest  Separato approval is required  Faculty and approval is required  Faculty and approval is required  Faculty and approval is required  Faculty approval is required			Soils Information Date of last soils analysis 4/9/2014  *Phosphorous 47 units ppm  Potassium 61 units ppm						
	Expected crops/veg	etation	to be grov	wn		pH 7.4 Soil type(s)			<del></del>
	Crop/Vegetation	Nitroge	n Requirem	nent		-   '		Bray P1 maximum	
	<u>Corn</u> 1		lbs. N/acre			See	Atta	ached	
			lbs. N/acre lbs. N/acre			Pero	cenf	sione	
	Total acreage of site	44		<i>3</i>		Percent slope Highest percent slope of the site?			ite?
	Acreage used for crop	.7				x		6%	
	Public Exposure	- <u>-                                  </u>	***************************************	-		┧╏╬		12%	Ho en elementino elem
	Is this land with a high potential for public exposure?					Higher (Requires an approved site reclamation plan)			
	(See Definitions section on Page 19)				If agricultural, is the site tiled?   ☐Yes				
<ul> <li>On an attached sheet provide a col</li> <li>A Farm Services Agency map (filed tiles when present.</li> <li>A copy of the soil test analysis the A copy of the plat map (or other).</li> <li>A soil survey map with the land a</li> </ul>	by of the following: ormerly ASCS) of the paratal is no older than 2 yes map showing property of	roposed ars old dimensi	at the time	of lar	nd applicat	erty bou	ındar	ies, surface waters, a	

e Gazante





# **BOSS ENGINEERING**

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- Planned Unit Developments
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- Septic System Design
- Construction Staking
- Land Divisions
- · Boundary and Lot Surveys
- Topographical Surveys
- ALTA Surveys



# Biotech Agronomics, Inc.

P.O. Box 180 Benzonia MI 49616 231-325-5011

Date: 5/29/2014

To: MDEO

County Health Department of Livingston

Township Cierk of Howell

Subject: Biosolids Applications Notification

Biotech Agronomics is preparing to apply biosolids (stabilized treated sludge) on land located in (See attached plat map), owned by Howell Township

Latitude: N 42\* 38' 38"

Longitude: W 83\* 58' 30"

This notice is provided in accordance with Michigan Part 24 Biosolids Rules, to inform you of our activities within your area, and to give you a basic understanding of the fertilizer value of this material.

Provided to you free of charge any additional information as needed, including any record created in accordance with State rules pertaining to the actual biosolids application please contact:

Pontiac WWTP 155 N Opdyke Rd. Pontiac, MI 48342

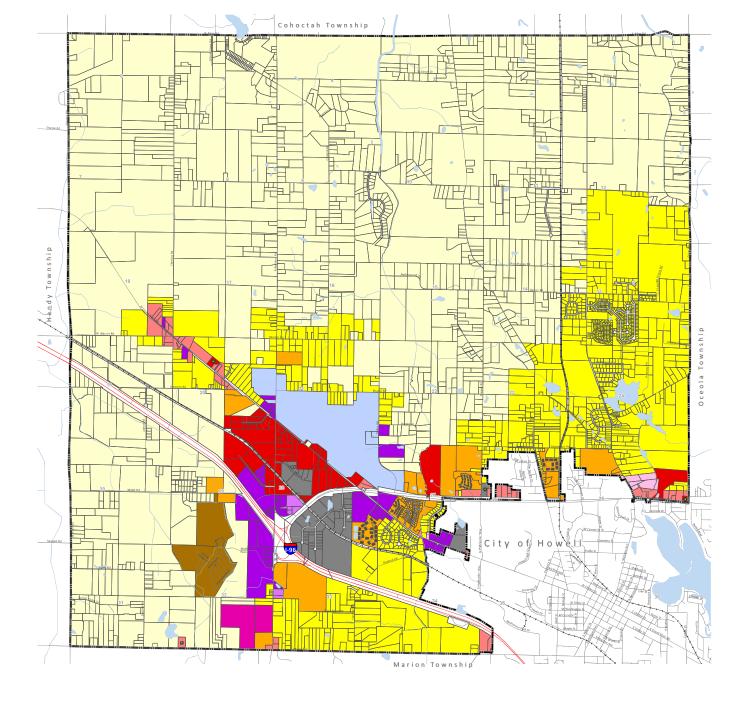
The following analytical data represents the average contents of the biosolids that will be applied in your area. The U.S. EPA has developed the maximum limits from over 20 years of research. These limits represent a conservative annual application rate and at no time shall biosolids be applied which exceed any of these maximum values.

Most Recent Biosolids Average Analysis in mg/kg (dry weight basis)

Constituent	Concentration	Max. Allowable Concentration Limit
Arsenic (As)	2.75	75
Cadmium (Cd)	2.14	85
Copper (Cu)	352.0	4300
Lead (Pb)	26.9	840
Mercury (Hg)	0.57	57
Molybdenum (Mo)	3.54	75
Nickel (Ni)	16.1	420
Selenium (Se)	1.23	100
Zinc (Zn)	932.0	7500
Nitrogen (N)	44000	Ag Rate
Phosphorus (P)	47910	Ag Rate
Potassium (K)	631	Ag Rate

Biosolids are the nutrient-rich organic materials produced during the biological and physical treatment of wastewater. The solids treated during this process produce and stabilized liquid or semi-solid material that contains nutrients required for crop growth, as well as organic matter to condition the soil. Treated biosolids contain the three primary crop nutrients: nitrogen, phosphorus, and potassium. They also contain nutrients that crops need in smaller amounts. These "micronutrients" are not commonly found in commercial fertilizers.

The DEQ's, Surface Water Quality Division, regulates the land application of biosolids. The program is endorsed by the Michigan Department of Agriculture, Michigan State University, Michigan Farm Bureau, Michigan Water Environment Association, Michigan Municipal League, U.S. Environmental Protection agency, U.S. Department of Agriculture, and the U.S. Environmental Protection agency, U.S. Department of agriculture, and the U.S. Food and Drug Administration.

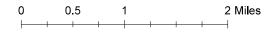






## **ZONING DISTRICTS MAP**

Howell Township Livingston County







### **APPENDIX E**

### **Historical Research Documentation**

EDR Aerial Photo Decade Package EDR Sanborn Report EDR City Directory Image Report EDR Historical Topo Map Report



## 2275 Tooley

2275 Tooley Howell, MI 48855

Inquiry Number: 7847279.8

December 13, 2024

# The EDR Aerial Photo Decade Package



## **EDR Aerial Photo Decade Package**

12/13/24

Site Name: Client Name:

2275 Tooley Applied Science & Technology

2275 Tooley 10448 Citation Drive
Howell, MI 48855 Brighton, MI 48116
EDR Inquiry # 7847279.8 Contact: Bailey Bishop



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

#### Search Results:

Year	Scale	Details	Source
2020	1"=750'	Flight Year: 2020	USDA/NAIP
2016	1"=750'	Flight Year: 2016	USDA/NAIP
2012	1"=750'	Flight Year: 2012	USDA/NAIP
2009	1"=750'	Flight Year: 2009	USDA/NAIP
2006	1"=750'	Flight Year: 2006	USDA/NAIP
1998	1"=750'	Acquisition Date: January 01, 1998	USGS/DOQQ
1992	1"=750'	Acquisition Date: April 28, 1992	USGS/DOQQ
1987	1"=750'	Flight Date: June 05, 1987	USDA
1975	1"=750'	Flight Date: October 01, 1975	USGS
1967	1"=750'	Flight Date: April 01, 1967	USGS
1955	1"=750'	Flight Date: September 06, 1955	USDA
1949	1"=750'	Flight Date: October 28, 1949	USDA
1937	1"=750'	Flight Date: July 27, 1937	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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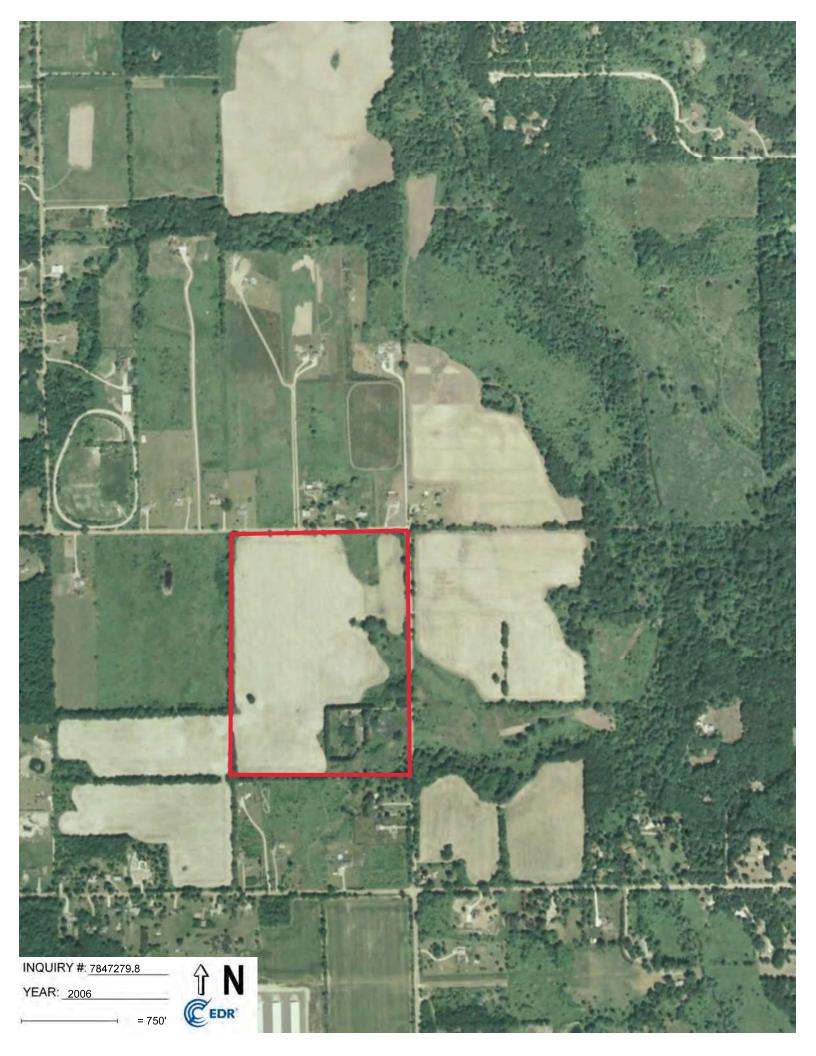
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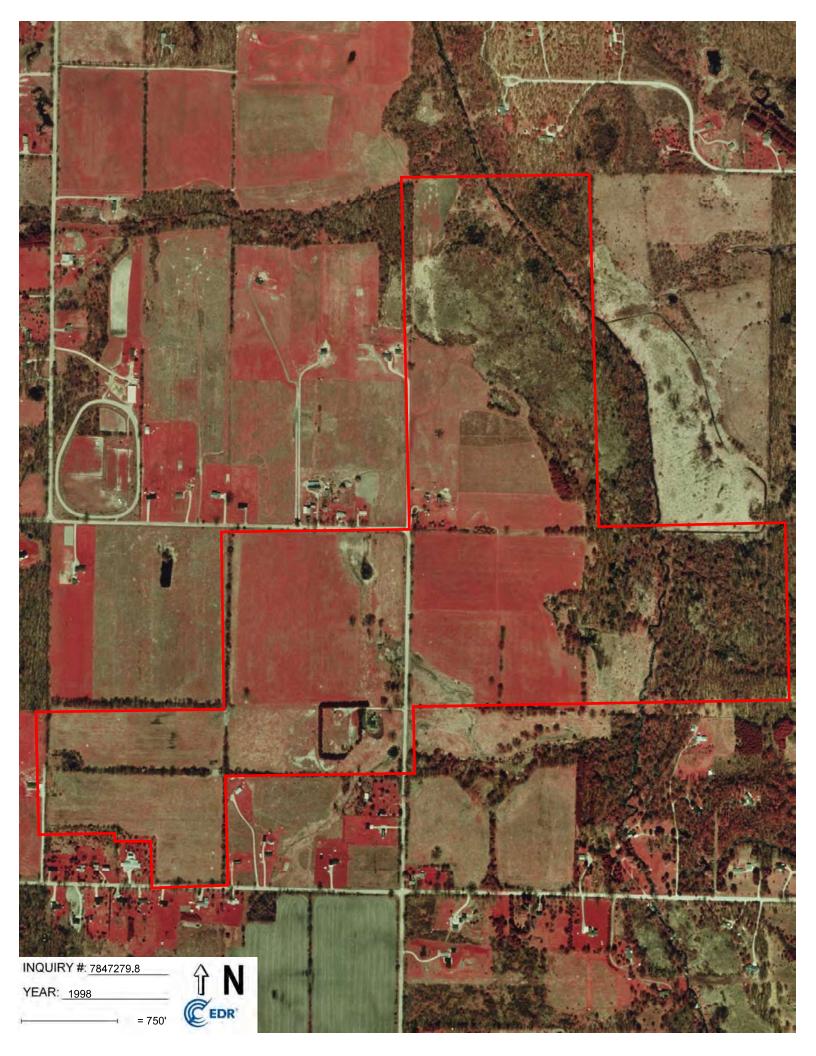




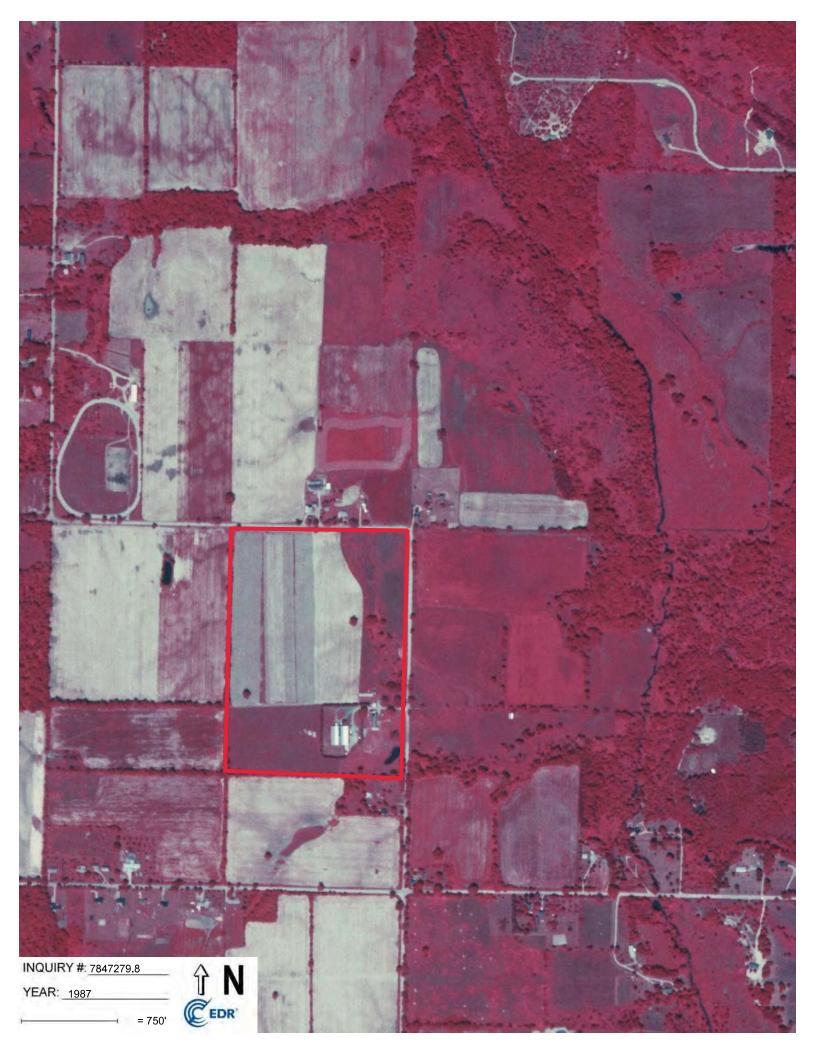






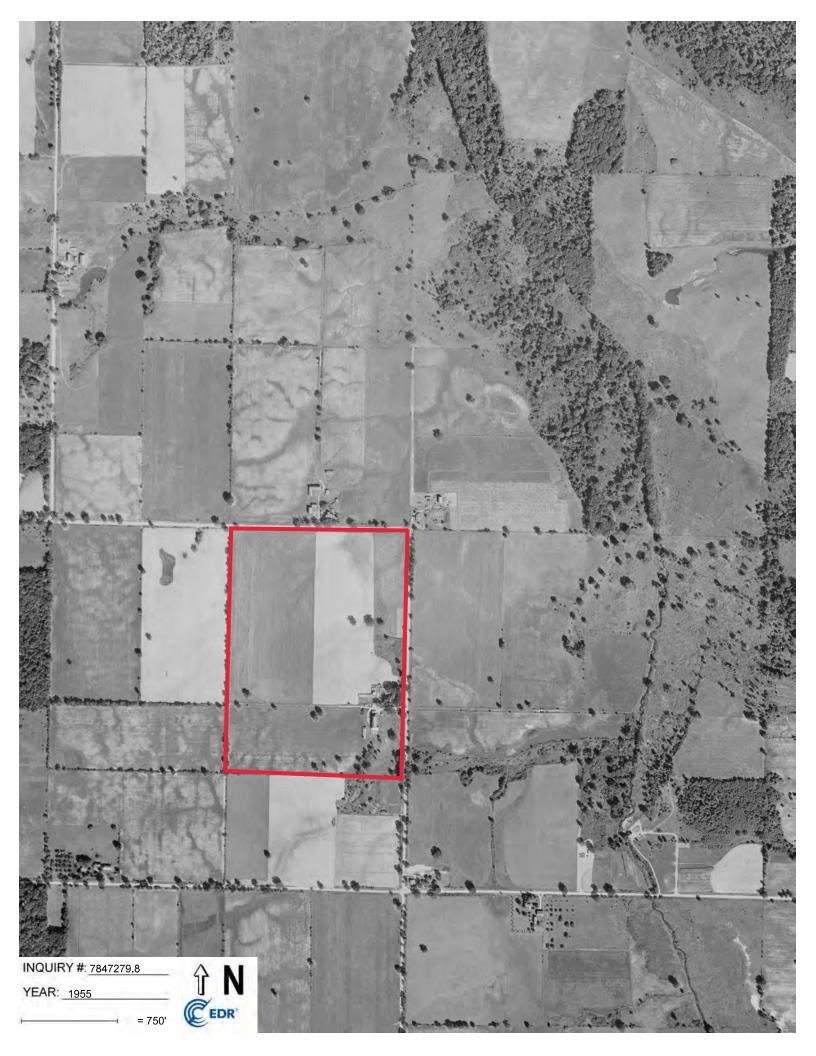
















2275 Tooley2275 TooleyHowell, MI 48855

Inquiry Number: 7847279.3

December 12, 2024

# **Certified Sanborn® Map Report**



## Certified Sanborn® Map Report

Site Name: Client Name:

2275 Tooley Applied Science & Technology

2275 Tooley 10448 Citation Drive
Howell, MI 48855 Brighton, MI 48116

EDB Inquiry # 7047070 2 Contest: Brilley Bish

EDR Inquiry # 7847279.3 Contact: Bailey Bishop



12/12/24

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Applied Science & Technology were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

### Certified Sanborn Results:

Certification # 139D-4FB4-914F

PO# NA

**Proiect** A24-1988.00

#### **UNMAPPED PROPERTY**

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Sanborn® Library search results

Certification #: 139D-4FB4-914F

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2275 Tooley

2275 Tooley Howell, MI 48855

Inquiry Number: 7847279.5

December 20, 2024

# **The EDR-City Directory Image Report**



### **TABLE OF CONTENTS**

### SECTION

**Executive Summary** 

**Findings** 

**City Directory Images** 

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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### **EXECUTIVE SUMMARY**

### **DESCRIPTION**

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

#### **RECORD SOURCES**

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, PoIk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

#### **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2020	$\overline{\checkmark}$		EDR Digital Archive
2017	$\overline{\checkmark}$		Cole Information
2014	$\overline{\checkmark}$		Cole Information
2010	$\overline{\checkmark}$		Cole Information
2005	$\overline{\checkmark}$	$\square$	Cole Information
2000	$\overline{\checkmark}$	$\square$	Cole Information
1995	$\overline{\checkmark}$	$\square$	Cole Information
1992	$\overline{\checkmark}$	$\square$	Cole Information
1987	$\overline{\checkmark}$	$\square$	Bresser's Cross-Index Directory Company
1983	$\overline{\checkmark}$	$\square$	Bresser's Cross-Index Directory Company
1977	$\overline{\checkmark}$	$\square$	Bresser's Cross-Index Directory Company
1972	$\overline{\checkmark}$	$\square$	Bresser's Cross-Index Directory Company
1970			Polk's City Directory
1965			Polk's City Directory
1961			Polk's City Directory

## **FINDINGS**

## TARGET PROPERTY STREET

2275 Tooley Howell, MI 48855

<u>Year</u>	CD Image	Source	
TOOLEY			
1987	pg A52	Bresser's Cross-Index Directory Company	
1983	pg A56	Bresser's Cross-Index Directory Company	
1977	pg A60	Bresser's Cross-Index Directory Company	
1972	pg A64	Bresser's Cross-Index Directory Company	
1970	-	Polk's City Directory	Street not listed in Source
1965	-	Polk's City Directory	Street not listed in Source
1961	-	Polk's City Directory	Street not listed in Source
TOOLEY RD			
TOOLET RD			
2020	pg A10	EDR Digital Archive	
2017	pg A17	Cole Information	
2014	pg A23	Cole Information	
2010	pg A29	Cole Information	
2005	pg A35	Cole Information	
2000	pg A40	Cole Information	
1995	pg A44	Cole Information	
1992	pg A48	Cole Information	

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## **FINDINGS**

### **CROSS STREETS**

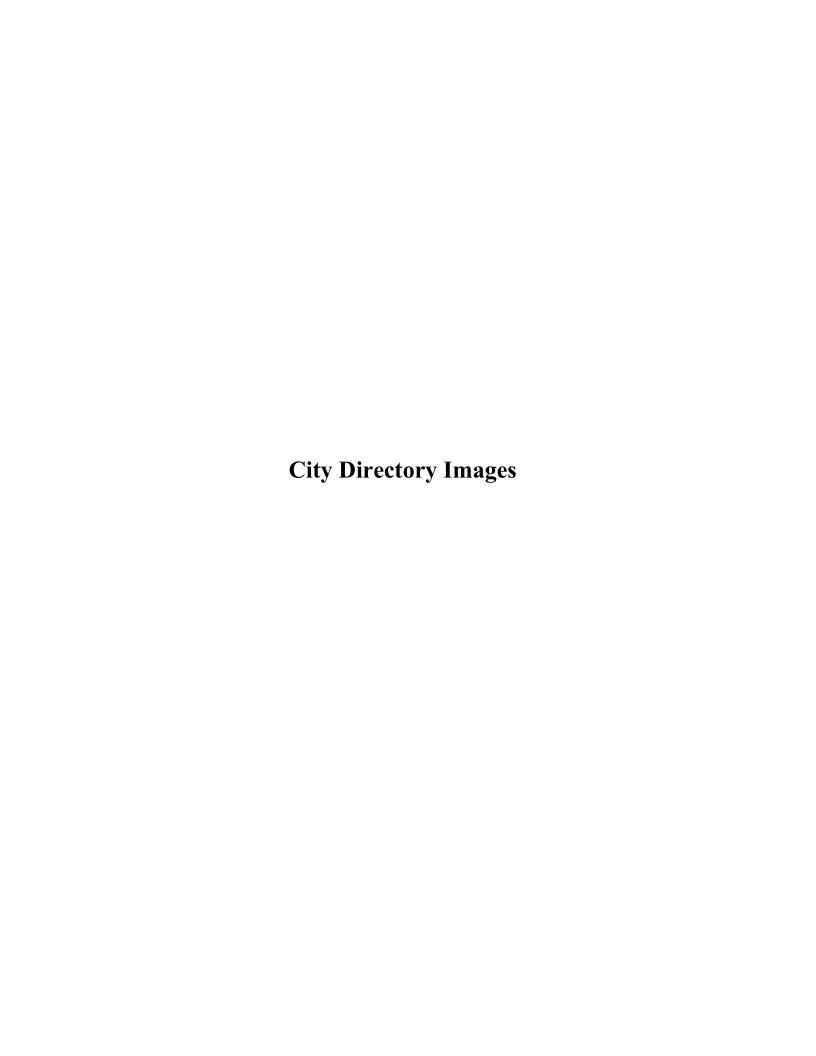
<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
BOWEN			
1987	pg. A50	Bresser's Cross-Index Directory Company	
1983	pg. A54	Bresser's Cross-Index Directory Company	
1977	pg. A58	Bresser's Cross-Index Directory Company	
1972	pg.A62	Bresser's Cross-Index Directory Company	
1970	-	Polk's City Directory	Street not listed in Source
1965	-	Polk's City Directory	Street not listed in Source
1961	-	Polk's City Directory	Street not listed in Source
BOWEN RD			
2020	pg.A2	EDR Digital Archive	
2017	pg. A13	Cole Information	
2014	pg. A19	Cole Information	
2010	pg. A25	Cole Information	
2005	pg. A31	Cole Information	
2000	pg. A37	Cole Information	
1995	pg. A42	Cole Information	
1992	pg. A46	Cole Information	
BREWER			
1987	pg. A51	Bresser's Cross-Index Directory Company	
1983	pg. A55	Bresser's Cross-Index Directory Company	
1977	pg. A59	Bresser's Cross-Index Directory Company	
1972	pg.A63	Bresser's Cross-Index Directory Company	
1970	-	Polk's City Directory	Street not listed in Source
1965	-	Polk's City Directory	Street not listed in Source
1961	-	Polk's City Directory	Street not listed in Source

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## **FINDINGS**

<u>Year</u>	<u>CD Image</u>	Source	
BREWER RD			
2020	pg. A6	EDR Digital Archive	
2017	pg. A15	Cole Information	
2014	pg. A21	Cole Information	
2010	pg. A27	Cole Information	
2005	pg. A33	Cole Information	
2000	pg. A38	Cole Information	
1995	pg. A43	Cole Information	
1992	pg. A47	Cole Information	
WARNER			
1987	pg. A53	Bresser's Cross-Index Directory Company	
1983	pg. A57	Bresser's Cross-Index Directory Company	
1977	pg. A61	Bresser's Cross-Index Directory Company	
1972	pg. A65	Bresser's Cross-Index Directory Company	
1970	-	Polk's City Directory	Street not listed in Source
1965	-	Polk's City Directory	Street not listed in Source
1961	-	Polk's City Directory	Street not listed in Source
WARNER RD			
2020	pg.A11	EDR Digital Archive	
2017	pg. A18	Cole Information	
2014	pg. A24	Cole Information	
2010	pg. A30	Cole Information	
2005	pg. A36	Cole Information	
2000	pg. A41	Cole Information	
1995	pg. A45	Cole Information	
1992	pg. A49	Cole Information	

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### BOWEN RD 2020

2080	Dana Brooks
	Doreen Smith
	Walker Smith
	Wesley Brooks
2115	Allison Bader
	Bader Clark
	Daniel Hajduk
	Robin Bader
2120	Kerry Allen
	Patricia Allen
2182	Clifford Johnson
	Leo Fritz
	Victoria Fritz
2300	David Lucas
	Patti Lucas
	Patti Ryan
	Robert Ryan
2301	Christopher Schmidt
	Sunshine Schmidt
2308	John Kornowski
	John Purol
	Karen Purol
2320	Kasandra Barbary
2374	Sarah Kenney
2412	Kathleen Malewitz
	Melissa Malewitz
2436	Beatrice Robertson
	Billy McComas
	Daniel Malewitz
	Dennis Williams
	Kimberly Malewitz
2480	Holly Jones
	Karen Jones
2520	Dennis Soja
	Lori Soja
	Nancy Soja
2521	Alan Klais
	Linda Klais
	LIVINGSTON STAIRWAY
	TOP DOG LOCATORS
2535	Colton Johnson
	Raychel Johnson
	Raymond Johnson
2552	Carrie Shields
	Michael Shields
2610	Carrie Petre
-	Donna Fournier
	Jennifer Petre
	Robert Kaye
2620	Alicia Hibbard

BOWEN RD 2020 (Cont'd)

		( = = = = = = = = = = = = = = = = = = =	
2620	Donald Hibbard		
	Lou Hibbard		
	Lula Hibbard		
	Pamela Hibbard		
2625	Douglas Heinze		
	Sally Heinze		
2630	Sarah Sugarbaker		
2643	Cherry Frenger		
	Daniel Frenger		
	James Frenger		
	Kenneth Frenger		
	Kylee Frenger		
2647	James McMurry		
	Lisa McMurry		
2660	Julianne Watkins		
2700	Joan Jahn		
	Linda Turner		
	William Turner		
2727	Daniel Hagen		
	Josephine Hagen		
2735	Allan Klebs		
2801	John Newton		
	Lisa Newton		
00=4	Raquel Gerkin		
2851	Kellie Miller		
	Stephen Ripper		
2990	Daniel Gorski		
	Karen Gorski		
	Leo Gorski		
	Mark Gorski		
0400	Samuel Gorski		
3102	Alan Daavettila		
	Beth Daavettila		
	Brooke Daavettila		
	Hollie Daavettila Kassie Daavettila		
	Luke Daavettila		
	Lydia Daavettila Natalie Daavettila		
3150	Amber Carnahan		
3130	Garry Carnahan		
	Kimberly Carnahan		
3174	Allan Foote		
3174	Catreena Foote		
3196	Barker Barbara		
3130	Grant Ward		
	Richard Barker		
3197	Destrey Fix		
0101	Robert Kelly		
3225	Roberta Crain		
0 <u>2</u> 20	Nobolta Oralli		

BOWEN RD 2020 (Cont'd)

			 (Joint a)
3327	Donna Schroeder		
3353	Charles Frantjeskos		
	Erika Frantjeskos		
	Joye Frantjeskos		
	Tarry Frantjeskos		
3381	Gwangja Phillips		
	Tracy Phillips		
3390	Staci Moore		
	Steven Koscielniak		
3419	David Campbell		
	Dennis Campbell		
	Jeannette Gunderson		
	Lyle Gunderson		
0.400	Mary Campbell		
3430	Donald Skinner		
3445	Nicholas Beach		
3450	Robert Price		
0.477	Tail Price		
3477	Christina Kraiger		
	Christina Resetar		
	Dennis Resetar		
	James Kraiger		
2500	Ruthanna Resetar		
3500	Tricia Zambon		
3522	Krystine Hodge		
0504	Scott Britt		
3564	Beth Huhta		
	Elise Wuollet		
	Juliana Huhta		
2570	Paul Huhta		
3570	Jared Baugh		
	Michelle Baugh		
2572	Sarah Gutzke		
3572	Charley Root		
	Cheryl Root		
3600	Jeffrey Root BADER ACRES		
3000	Dale Bader		
	Linda Bader		
3679	Amanda Turner		
3079	Chris Turner		
	CONSTRUCTION HELICOR	TEDS	
	HELIGROUP PUMA II LLC	TENO	
	PREFERRED AVIONICS		
	Robert Dalton		
3730	Daniel Hillman		
3730	George Hillman		
	Joseph Hillman		
	Victoria Hillman		
3740	Kristy Rohn		
31 40	Anoty Rollin		

Target Street Cross Street Source
- ← EDR Digital Archive

BOWEN RD 2020 (Cont'd)

3740	Phillip Navarre	
	Scott Shaw	
3750	Andrew Benford	
	Don Morgan Kylie Garner	
3760	Bryan Furnace	
	Melissa Furnace	

Target Street	Cross Street	<u>Source</u>
_	✓	EDR Digital Archive

#### BREWER RD 2020

1600	REX MATERIALS INC	
1692	Courtney Arlington	
	Darryl Wellman	
	Edmond Simeone	
	Gerald Vaughn	
	Kimberly Armstrong	
1725	Charlotte Schlack	
	Daniel Schlack	
	Jason Schlack	
1762	Amy Terrell	
	Jerry Terrell	
1800	Cameron Ireland	
	Cassondra Ireland	
	Linda Pardiac	
	Richard Cuthbertson	
1820	David Lapshan	
1830	Barney Goodrich	
	Brian Goodrich	
	Carole Goodrich	
1900	James MacKey	
	Laura Lapointe	
1992	Christopher Brewbaker	
2021	Dawn Corning	
2025	Branden Tincu	
	Denise Tincu	
	Jennifer Tincu	
	Nicholas Tincu	
	Richard Tincu	
2031	Linda White	
2032	Kurt Ridenour	
	Marla Keck	
2045	Colin McDowell	
	Janet McDowell	
0070	John Mather	
2070	Caitlinn Fauer	
	Carrie Fauer	
0070	Douglass Fauer	
2079	Debra Ostafin	
	Joseph Ostafin	
0000	Thomas Ostafin	
2090	Cheryl Farida	
0405	Sajid Farida	
2125	Alexandra Ford	
	Katie Ford	
	Sharon Ford	
0404	Timothy Ford	
2131	Robert Greenlees	
2160	Rebecca Jacobson	
2222	Joseph Donley	
	Marie Donley	

## BREWER RD 2020 (Cont'd)

		 	(Jointa)	
2222	Michael Donley			
2255	Paul Skaggs			
2278	Jeremy Johnson			
2344	Brittany Best			
	Carol Best			
	Lauren Best			
	Tiffany Best			
2380	Daniel Brady			
	Sean Brady			
	Vicki Brady			
2381	Christopher Sweet			
	Janet Sweet			
	Mary-Ann Casey			
	Tom Casey			
2452	Douglas Shearer			
	Pamela Shearer			
2515	Andrea Shipman			
	Daryl Fraser			
	George Melton			
	Kristyn Zeppa			
2570	David Miechiels			
	Janet Miechiels			
2609	Diane Garrett			
	James Garrett			
2640	Lavern Zeller			
20.0	Sandra Dutt			
2645	Christopher Sperling			
20.0	Thomas Sperling			
2677	Lee McKenzie			
2011	Marjorie McKenzie			
	Mark McKenzie			
2723	Danny Bostic			
2,20	Hazel Bostic			
2779	Christopher Stebbins			
2832	Angel Lefevre			
2002	Marissa Berry			
	Scott Lefevre			
2835	Edward Drechsler			
2000	Marlene Drechsler			
2900	Kayedon Lechevalier			
2923	Beth Havlik			
2020	Brian Havlik			
2930	Brittany Butler			
2330	Dawnita Stachurski			
	Leo Wines			
	Paul Butler			
	Sarah Butler			
2945	Robert Wilson			
2945 3005	Carol Whalin			
3005	Tracy Hartsuff			
	Tracy FlantSull			

# BREWER RD 2020 (Cont'd)

	DICEVER RD 2020 (Cont a)	
3005	William Whalin	
3010		
3010	Larry Owens Myra Owens	
3013	Craig Bilinski	
3013	Nichelle Bilinski	
3017	Ashley Shinn	
3017	Holly King	
	Jessica Nirowski	
	Joseph Wurmlinger	
3021	Christina Pahl	
3021	Jeffrey Pahl	
3022	Kelly Hang	
0022	Mai Yang	
3060	David Golm	
0000	Gordon Golm	
	Leroy Golm	
	Mary Golm	
	Nancy Golm	
	Steven Golm	
3121	Jason Blair	
• · <u>-</u> ·	Louise Lathrop	
3250	John Krokosky	
	Kevin Krokosky	
3280	David Hoffmeyer	
	Karen Hoffmeyer	
3295	Edward Gonzales	
	Michael Tartaglia	
	Sheri Tartaglia	
	Steven Rau	
3300	HOFFMEYER-SONS FRAME-COLLISION	
	Jack Hoffmeyer	
	Shirley Hoffmeyer	
3311	Andrea Chatterson	
	Duane Chatterson	
3319	Elias Garratt	
	Jean Garratt	
	Michael Poma	
	Willis Garratt	
3338	Kenneth Joslin	
	Marie Joslin	
3343	Anna Midlam	
	Ivan Midlam	
3351	Adam Briggs	
2222	Rachel Briggs	
3380	John Moules	
3395	Adam Perreault	
	Phyllis Misenar	
0.404	Rbt Misenar	
3421	Christina Pless	
	Mark Dubois	

BREWER RD 2020 (Cont'd)

3421	Matthew Pless	
3425	Barbara Wroblewski	
	Michael Wroblewski	
3426	Irene Onderchanin	
	Michael Onderchanin	
	Nicole Onderchanin	
	Stephanie Onderchanin	
3430	Barbara Jackson	
	Michael Marek	
3480	Barbara Jackson	

Target Street Cross Street Source

- EDR Digital Archive

### TOOLEY RD 2020

4000	Duadlas Inggrandi	
1880	Bradley Ingersoll Connie Miner	
	Daniel Miner	
	Ralph Mervyn	
	Sandra Killian	
2050	Harry Bailey	
2061	Jenny Harrison	
2001	Teresa Harrison	
	Thomas Londy	
2071	Frank Miller	
	Lisa Redmond	
	William Redmond	
2240	Laura Williams	
	Wayne Williams	
2290	Melissa Curtis	
	Robert Espinosa	
2330	Debra Mannisto	
	Mark Mannisto	
	Nicholas Mannisto	
	Virginia Mannisto	
2400	Alexis Stutesman	
	Patricia Stutesman	
	Philip Stutesman	
	Stephen Stutesman	
	Taylor Stutesman	
2484	Rodney Rowse	
2520	Kara Andrek	
0500	Michael Wetherbee	
2530	Dennis Fijalkowski	
2505	Marie McDonald	
2585	Gregory Walters	
2601	David Peterson Jaclyn Morcom	
	Tracey Walter	
	riacey vvallei	

#### WARNER RD 2020

3020	Joseph Rusk	
	Michele Rusk	
3080	Buzz Brokenhearted	
	Charlyn Milkowski	
	Edward Milkowski	
3110	Pamela Adas	
3180	Jeffrey Damaske	
	Leigh Damaske	
	Tanner Damaske	
	Tyler Damaske	
3252	George Vecheta	
	Meredith Vecheta	
	Michelle Vecheta	
3266	Mary Schmidbauer	
	Rachel Schmidbaver	
	William Schmidbauer	
3278	Gerald Stuhrberg	
3300	Brian Smith	
3379	DOWN HOME CONSTRUCTION	
	Joe Hay	
3467	Audrey Cobb	
	Bradley Doxsie	
	Denise Cobb	
	Nina Cobb	
	Randal Cobb	
3528	Jodi Payne	
	Joseph Fulton	
3531	Daniel Bonello	
	Janice Bonello	
3562	John Krese	
	Julie Masters	
	Linda Krese	
	Marcus Krese	
	Nicholas Krese	
3595	Kim Crandell	
	Randy Crandell	
0000	Raymond Perkins	
3628	Frazie Barnes	
	Guy Davidson	
	Mark Kemp	
2607	Sherrie Davidson	
3697	Cheryl Walsh	
	Doris Klay	
2710	Roy Klay	
3710	Karl Berg	
3718	Natalie Berg Jennifer Schick	
3718	Catherine Dufrin	
3743		
	Jozylynn Dufrin William Dufrin	
	vviiiaiii Duiliii	

## WARNER RD 2020 (Cont'd)

3778	James Dias
	Judith Dias
	Judith Palozolo
3781	Dean Pennala
	Paula Pennala
3782	Gregory Drohn
	Michele Walls
3870	Lawerence Schlack
	Nancy Schlack
3921	Brenda Days
	Meghan McGregor
	Robert McGregor
4125	Mary Ketchum
4128	Cathy Olrich
	Clark Olrich
4136	Sarah Kermode
4141	Barbara Wright

### BOWEN RD 2017

2000	PROOKS WESLEY A
2080	BROOKS, WESLEY A
2115	CLARK, BADER R
2120	ALLEN, KERRY D
2179	FISHER, DAVID B
2182	FRITZ, LEO G
2300	LUCAS, DAVID D
2301	SCHMIDT, DONALD J
2308	PUROL, JOHN M
2320	BARBARY, RICHARD W
2374	KENNEY, WILLIAM T
2412	MALEWITZ, DANIEL W
2436	ROBERTSON, BEATRICE M
2480	JONES, DOUGLAS E
2520	SOJA, DENNIS J
2521	KLAIS, ALAN L
2552	SHIELDS, MICHAEL T
2610	KAYE, C
2620	HIBBARD, PAMELA J
2625	HEINZE, DOUGLAS N
2630	KREIS, KEVIN
2643	FRENGER, KENNETH A
2647	MCMURRY, JAMES R
2700	JAHN, JOAN M
2727	HAGEN, DAN J
2990	GORSKI, MARK J
3102 3150	DAAVETTILA, ALAN G CARNAHAN, GARRY R
3174	FOOTE, ALLAN D
3174	BARKER, RICHARD P
3197	FIX, DESTREY J
3225	CRAIN, ROBERTA A
3327	SCHROEDER, DONNA J
3353	FRANTJESKOS, CHARLES J
3381	PHILLIPS, MATTHEW H
3390	MOORE, DANIEL W
3419	CAMPBELL, DENNIS K
3430	VALDEZ, LEATHESIA
3450	PRICE, TAILOR H
3477	RESETAR, DENNIS G
3500	ZAMBON, SHAWN A
3522	BRITT, SCOTT A
3564	HOMESHIELDS COMPANY
3570	BAUGH, MICHELLE L
3572	ROOT, JEFF T
3600	BADER ACRES MULCH & LANDSCAPING
	BADER, PALE
3679	CONSTRUCTION HELICOPTERS
3680	CANFIELD, AMY
3710	ONEIL, JAMES S
3730	HILLMAN, GEORGE T
	•

BOWEN RD 2017 (Cont'd)

3740 ROHN, KRISTY R 3750 BOYER, MICHAEL A 3760 FURNACE, BRYAN M

#### BREWER RD 2017

1600	REX MATERIALS
1692	VAUGHN, GERALD I
1725	SCHLACK, DANIEL R
1820	FERGUSON, ROBERT T
1830	GOODRICH, BARNEY B
1900	MACKEY, JAMES H
1950	BREWBAKER, CHRISTOPHER R
1992	BREWBAKER, CHRISTOPHER R
2025	TINCU, BRANDON C
2031	WHITE, LINDA B
2032	RIDENOUR, KURT R
2045	MCDOWELL, COLIN F
2070	FAUER, DOUGLAS F
2079	OSTAFIN, JOSEPH F
2090	FARIDA, SAJID G
2125	FORD, TIMOTHY P
2131	GREENLEES, ROBERT J
2160	JACOBSON, CHARLES D
2222	DONLEY, MICHAEL P
2255	SKAGGS, PAUL M
2278	JOHNSON, ALAN C
2344	BEST, CAROL A
2380	BRADY, DANIEL M
2381	CASEY, TOM O
2452	SHEARER, DOUGLAS W
2515	FRASER, DARYL V
2570	MIECHIELS, DAVID L
2609	GARRETT, JAMES H
2640	JOHNSON, DARIN H
2645	SPERLING, THOMAS R
2677	MCKENZIE, LEE E
	BOSTIC, DANNY A
2723 2779	STEBBINS, CHRISTOPHER G
2832	LEFEVRE, SCOTT R
2835	DRECHSLER, EDWARD G
2838	LEFEVRE, SCOTT
2900	LECHEVALIER, KAYEDON
2923	HAVLIK, BRIAN G
2930	BUTLER, PAUL D
2945	WILSON, ROBERT K
3005	WHALIN, WILLIAM M
3010	OWENS, LARRY D
3013	BILINSKI, NICHELLE A
3017	WURMLINGER, JOSEPH
3021	PAHL, JEFFREY S
3022	YANG MAI Y
	YANG, MAI Y
3060	GOLM, GORDON A
3121	BEAUPRE, ERIC M

KROROSKY, KEVIN D

3250

# BREWER RD 2017 (Cont'd)

3280	HOFFMEYER, DAVID A
3295	TARTAGLIA, MICHAEL G
3300	HOFFMEYER & SONS FRAME & COLLISION S
	HOFFMEYER, JACK W
3311	CHATTERSON, DUANE P
3319	WESTERN, MICHAEL P
3338	JOSLIN, KENNETH R
3351	BRIGGS, ADAM J
3380	MOULES, JOHN W
3395	PERREAULT, PATRICK
3421	DUBOIS, MARK A
3425	WROBLEWSKI, MICHAEL D
3426	ONDERCHANIN, MICHAEL L
3430	HIBNER, DAVID

### TOOLEY RD 2017

1792	JACHIM, DAVID M
1911	LANSING COMMUNITY COLLEGE
	LIVINGSTON COUNTY
2050	BAILEY, HARRY B
2061	LONDY, THOMAS L
2071	MILLER, FRANK J
2240	WILLIAMS, WAYNE R
2290	ESPINOSA, ROBERT M
2330	MANNISTO, MARK E
2400	STUTESMAN, STEPHEN J
2484	ROWSE, RODNEY L
2585	WALTERS, GREGORY J

#### WARNER RD 2017

3020	RUSK, JOE J
3072	ROBINSON, DAVID A
3080	MILKOWSKI, CHARLYN N
3110	ADAS, PAMELA A
3180	DAMASKE, JEFFREY C
3200	THOMPSON, CLARKE A
3252	VECHETA, MICHAEL J
3266	SCHMIDBAUER, WILLIAM L
3300	CHEELY, MATTHEW G
3312	RESETAR, DANIEL J
3467	COBB, RANDAL G
3531	BONELLO, DANIEL C
3595	CRANDELL, KIM L
3628	DAVIDSON, GUY R
3697	WALSH, MICHAEL W
3710	MURDZA, JENNIFER D
3743	DUFRIN, WILLIAM N
3778	DIAS, JAMES A
3781	PENNALA, DEAN A
3782	DROHN, YONG S
3863	LEHMAN, JOHN A
3921	MCGREGOR, ROBERT J
4125	KETCHUM, JACK W
4128	OLRICH, CLARK K
4136	KERMODE, SARAH E
4141	WRIGHT, BARBARA J
4400	PALMERTON, DOTTIE S

### BOWEN RD 2014

2080	BROOKS, BRENDA L
2115	BADER, RAE R
2120	ALLEN, KERRY D
2179	FISHER, DAVID B
2182	FRITZ, ERICH M
2300	RYAN, ROBERT C
2301	SCHMIDT, DONALD J
2308	PUROL, JOHN M
2320	BARBARY, RICHARD W
2374	KENNEY, WILLIAM T
2412	MALEWITZ, DANIEL W
2436	ROBERTSON, BEATRICE M
2480	JONES, DOUGLAS E
2520	SOJA, DENNIS J
2521	KLAIS, ALAN L
2535	PICHNER, EVELYN I
2552	SHIELDS, MICHAEL T
2620	HIBBARD, BRIENNE E
2625	HEINZE, DOUGLAS N
2630	MELTON, GEORGE M
2643	FRENGER, KENNETH A
2647	WATERS, GLADYS G
2660	OCCUPANT UNKNOWN,
2700	TURNER, WILLIAM H
2727	DYE, WILLARD W
2851	ROGERS, CARL A
2990	GORSKI, MARK J
3102	DAAVETTILA, ALAN G
3150	CARNAHAN, GARRY R
3174	FOOTE, DEREK
3196	BARKER, RICHARD P
3197	FIX, DESTREY J
3225	CRAIN, ROBERTA A
3327	SCHROEDER, DONNA J
3353	FRANTJESKOS, CHARLES J
3381	PHILLIPS, MATTHEW H
3390	VANVALKENBURGH, CAROL L
3419	CAMPBELL, DENNIS K
3430	HASSINGER, PAULINE L
3445	RAGER, TANYA
3450	PRICE, ROBERT C
3477	RESETAR, DENNIS G
3500	ZAMBON, SHAWN A
3522	SKATES, ALISA M
3564	HOMESHIELDS COMPANY
	WUOLLET, ELISE K
3570	BAUGH, MICHELLE L
3572	ROOT, JEFF T
3600	BADER, PALE
3679	CONSTRUCTION HELICOPTERS

	BOWEN RD	2014	(Cont'd)	
3680	CANFIELD, AMY			
3710	TOUCH OF CLASS PAINTING			
3730	HILLMAN, GEORGE T			
3740	SHAW, DEVIN			
3750	BOYER, MICHAEL A			
3760	OCCUPANT UNKNOWN,			
3920	HILYARD, KEN D			

#### BREWER RD 2014

1630	OCCUPANT UNKNOWN,
1725	SCHLACK, DANIEL R
1800	CUTHBERTSON, RICHARD J
1820	CHEVALIER, ELMER R
1830	GOODRICH, BARNEY B
1900	MOCSARI, JOANNE
1950	BREWBAKER, CHRISTOPHER R
1992	BREWBAKER, CHRISTOPHER R
2021	CORNING, DANNY M
2025	TINCU, RICHARD J
2031	WHITE, LINDA B
2032	RIDENOUR, KURT R
2045	MCDOWELL, COLIN F
2070	FAUER, DOUGLAS F
2079	OSTAFIN, JOSEPH F
2090	FARIDA, SAJID G
2125	FORD, TIMOTHY P
2131	GREENLEES, ROBERT J
2160	JACOBSON, CHARLES D
2222	DONLEY, MICHAEL P
2243	OCCUPANT UNKNOWN,
2255	SKAGGS, PAUL M
2278	JOHNSON, ALAN C
2344	BEST, CAROL A
2380	BRADY, DANIEL M
2381	OCCUPANT UNKNOWN,
2452	SHEARER, DOUGLAS W
2515	FRASER, DARYL V
2570	MIECHIELS, DAVID L
2609	GARRETT, JAMES H
2640	JOHNSON, DARIN H
2645	SPERLING, THOMAS R
2677	MCKENZIE, LEE E
2723	BOSTIC, DANNY A
2779	SABOURIN, RACHEL
2832	LEFEVRE, SCOTT R
2835	DRECHSLER, EDWARD G
2838	OCCUPANT UNKNOWN,
2900	LECHEVALIER, KAYE D
2923	HAVLIK, BRIAN G
2930	BUTLER, KATHLEEN S
2945	WILSON, ROBERT K
3005	WHALIN, WILLIAM M
3010	OWENS, LARRY D
3013	BILINSKI, NICHELLE A
3017	OCCUPANT UNKNOWN,
3021	BOLITHO, CHRISTINA A
3022	YANG, MAI Y
3060	GOLM, GORDON A
3121	MCLAUGHIN, LOUISE A

## BREWER RD 2014 (Cont'd)

3250	KROROSKY, KEVIN D
3280	HOFFMEYER, DAVID A
3295	TARTAGLIA, MICHAEL G
3300	HOFFMEYER & SONS FRAME & COLLISION S
	HOFFMEYER JACK W
	HOFFMEYER, JACK W
3311	CHATTERSON, DUANE P
3319	GARRATT, WILLIS H
3338	JOSLIN, KENNETH R
3343	MORRIS, JAMES P
3351	BRIGGS, ADAM J
3380	MOULES, JOHN W
3395	PERREAULT, PATRICK
3421	DUBOIS, MARK A
3425	WROBLEWSKI, MICHAEL D
3426	ONDERCHANIN, MICHAEL L
3430	HIBNER, DAVID
3480	JACKSON, BARBARA J

### TOOLEY RD 2014

1792	OCCUPANT UNKNOWN,
1880	KILLIAN, SANDRA K
1885	OCCUPANT UNKNOWN,
1911	LIVINGSTON COUNTY
1920	OCCUPANT UNKNOWN,
2050	BAILEY, HARRY E
2061	LONDY, GEORGE L
2071	OCCUPANT UNKNOWN,
2240	WILLIAMS, WAYNE R
2290	ESPINOSA, ROBERT M
2330	MANNISTO, MARK E
2400	STUTESMAN, STEPHEN J
2484	RYDA, ELIZABETH H
2520	FLEMING, PATRICK J
2585	WALTERS, GREGORY J
2601	JAREMA, KIMBERLEY C
2755	OCCUPANT UNKNOWN,

Target Street

Cross Street

<u>Source</u>

Cole Information

#### WARNER RD 2014

3020	RUSK, JOSEPH J
3072	ROBINSON, DAVID A
3080	MILKOWSKI, EDWARD J
3110	ADAS, PAMELA A
3180	DAMASKE, JEFFREY C
3200	THOMPSON, CLARKE A
3252	VECHETA, MICHAEL J
3266	SCHMIDBAUER, WILLIAM L
3278	STUHRBERG, GERALD L
3300	CHEELY, MATTHEW G
3312	RESETAR, DANIEL J
3467	COBB, RANDAL G
3531	BONELLO, DANIEL C
3562	KRESE, JOHN A
3595	PHELAN, JIM G
3628	DAVIDSON, GUY R
3697	WALSH, MICHAEL W
3710	MAROUDIS, FRANK S
3743	DUFRIN, WILLIAM N
3778	DIAS, JAMES A
3781	PENNALA, DEAN A
3782	DROHN, GREGORY A
3863	LEHMAN, JOHN A
3921	OCCUPANT UNKNOWN,
4125	KETCHUM, JACK W
4128	OLRICH, CLARK K
4136	OCCUPANT UNKNOWN,
4141	WRIGHT, BARBARA J
4400	PALMERTON, FREDERICK G

2000	VOCUE DONNI
2080	YOGUS, RONN L
2115	WILLIAMS, MARJORIE R
2120	ALLEN, PATRICIA M
2179	FISHER, DAVID B
2182	FRITZ, ERICH M
2300	RYAN, ROBERT C
2301	SCHMIDT, DONALD J PUROL, JOHN M
2308	BARBARY, RICHARD W
2320	KENNEY, WILLIAM T
2374	
2480	JONES, DOUGLAS E LIVINGSTON STAIRWAY
2521	PICHNER, EVELYN I
2535	
2552	SHIELDS, MICHAEL T
2610 2620	PETRE, JAMES W
	HIBBARD, DONALD B
2625	HEINZE, DOUGLAS N
2630	BAHL, THOMAS M
2643	FRENGER, KENNETH A
2647	WATERS, GLADYS G
2660	NAYLOR, GEORGE C
2700	TURNER, WILLIAM H
2727	DYE, WILLARD W
2801	JACKSON, RAQUEL H
2990	BILA, RONALD G
3102	DAAVETTILA, ALAN G
3150	CARNAHAN, GARRY R
3174	FOOTE, DEREK
3196	BARKER, RICHARD P
3197	FIX, DESTREY J
3225	CRAIN, EUGENE R
3327	SCHROEDER, DONNA J
3353	FRANTJESKOS, CHARLES J
3381	PHILLIPS, MATTHEW H
3390	VANVALKENBURGH, KEITH B
3419	KOESTER, BELINDA K
3430	HASSINGER, PAULINE L
3445	RAGER, TANYA
3450	PRICE, ROBERT C
3477	RESETAR, DENNIS G
3500	ZAMBON, TRICIA Z
3564	HUHTA, PAUL W
3570	GUTZKE, RONALD J
3572	ROOT, JEFF T
3600	BADER ACRES
00=0	BADER, DALE A
3679	CONSTRUCTION HELICOPTERS
	PREFERRED AVIONICS
3680	ALLIN, JOSH
2720	

HILLMAN, GEORGE T

3730

BOWEN RD 2010 (Cont'd)

3740 SHAW, SCOTT M
3750 DIFRANCO, SALVATORE
3920 HILYARD, KEN D

# BREWER RD 2010

1692	FRITZ, GENNA
1725	SCHLACK, DANIEL R
1800	CUTHBERTSON, JAMES F
1820	CHEVALIER, ELMER R
1830	GOODRICH, BARNEY B
1900	LAPOINTE, LAURA J
1950	BREWBAKER, CHRISTOPHER R
1992	BREWBAKER, CHRISTOPHER R
2021	CORNING, DANNY M
2031	ERCK, PATRICK E
2032	RIDENOUR, ROBERT
2045	MCDOWELL, COLIN F
2070	FAUER, DOUGLAS F
2079	OSTAFIN, JOSEPH F
2090	ISH, ROBERT R
2125	FORD, TIMOTHY P
2131	GREENLEES, ROBERT J
2160	JACOBSON, CHARLES D
2222	DONLEY, MICHAEL P
2243 2255	MORRIS, GARY W
	SKAGGS, PAUL M
2278	JOHNSON, ALAN C
2344	BEST, CAROL A
2381	SEE, DANIEL E
2452	SHEARER, DOUGLAS W FRASER, DARYL V
2515 2570	MIECHIELS, DAVID L
2609	GARRETT, JAMES H
2640	JOHNSON, DARIN H
2645	SPERLING, THOMAS R
2677	MCKENZIE, LEE E
2723	BOSTIC, DANNY A
2830	WEIKART, DAVID
2832	LEFEVR, A
2835	DRECHSLER, MARLENE A
2900	LECHEVALIER, KAYE D
2923	LOCKWOOD, ALLEN E
2930	BUTLER, PAUL D
3005	WHALIN, WILLIAM M
3010	OWENS, LARRY D
3013	PEDERSON, SCOTT E
3017	HUBENSCHMIDT, MICHAEL E
3021	BOIK, CATHERINE A
3022	YANG, MAI
3060	GOLM, GORDON A
3121	LATHROP, LOUISE A
3250	KROKOSKY, JOHN J
3280	HOFFMEYER, DAVID A
3295	TARTAGLIA, MICHAEL G

HOFFMEYER & SONS FRAME SHOP

3300

# BREWER RD 2010 (Cont'd)

3300	HOFFMEYER, SHIRLEY J
3311	CHATTERSON, DUANE P
3338	JOSLIN, KENNETH R
3343	MORRIS, JAMES P
	TOOLES CONTRACTING GROUP
3380	MOULES, JOHN W
3395	MISENAR, PHYLLIS J
3421	PLESS, MATT
3425	WROBLEWSKI, MICHAEL D
3426	ONDERCHANIN, MICHAEL L
3430	JACKSON, BARBARA J

#### TOOLEY RD 2010

	TOOLET RD 2010
1792	JACHIM, JOSEF
2050	BAILEY, HARRY E
2061	LONDY, GEORGE L
2071	MILLER, FRANK J
	MILLERS PLACE IN TIME
2240	WILLIAMS, WAYNE R
2400	STUTESMAN, STEPHEN J
2520	FLEMING, PATRICK J
2585	WALTERS, GREGORY J
2601	DOUGLAS, STEPHEN
2990	PATTERSON, TOM D

#### WARNER RD 2010

3020	RUSK, JOSEPH J
3072	ROBINSON, DAVID A
3080	MILKOWSKI, EDWARD J
3100	RESETAR, DANIEL J
3110	ADAS, PAMELA A
3180	DAMASKE, JEFFREY C
3200	THOMPSON, CLARKE A
3244	STUHRBERG, GERALD L
3252	VECHETA, M
3266	SCHMIDBAUER, WILLIAM L
3467	COBB, RANDAL G
3531	BONELLO, DANIEL C
3562	KRESE, JOHN A
3583	PENNALA, DEAN A
3595	PHELAN, JIM G
3625	CABINET MECHANIC
	DUFRIN, WILLIAM N
3628	DAVIDSON, GUY R
3697	WALSH, MICHAEL W
3782	PENNALA, S
3863	LEHMAN, JOHN A
3921	MCGREGOR, ROBERT J
4125	KETCHUM, JACK W
4128	OLRICH, CLARK K
4141	WRIGHT, BARBARA J
4400	PALMERTON, DOTTIE S

#### Target Street

#### Cross Street

# **Source**Cole Information

BOWEN RD 2005

2080	YOGUS, RONN L
2115	WILLIAMS, RAYMOND F
2120	ALLEN, JASON
2179	ROHRER, JEAN G
2182	FRITZ, LEO G
2300	RYAN, ROBERT C
2308	PUROL, JOHN M
2320	BARBARY, RICHARD W
2374	KENNEY, WILLIAM T
2412	MALEWITZ, DANIEL W
2463	ROBERTSON, BEATRICE M
2480	JONES, DOUGLAS E
2520	SOJA, NANCY A
2535	FRANKS SASH & SCREEN
	LOCATORS R US
	PICHNER, FRANK I
2552	SHIELDS, MICHAEL T
2610	PETRE, JAMES W
2620	CLEAR CHANNEL COMMUNICATION
	HIBBARD, DONALD B
2625	HEINZE, DOUGLAS N
2630	BAHL, THOMAS M
2643	FRENGER, KENNETH A
2647	WATERS, GLADYS G
2660	NAYLOR, GEORGE C
2700	TURNER, WILLIAM H
2727	DYE, WILLARD W
2801	WILKINSON, CHARLES E
2851	KLAHS, BRET R
2990	ARENS, JANET R
3102	DAAVETTILA, ALAN G
3150	CARNAHAN, GARRY R
3174	FOOTE, ALLAN D
3196	BARKER, RICHARD P
3197 3225	GUY, ROBIN J CRAIN, EUGENE R
3327	SCHROEDER, HENRY H
3353	FRANTJESKOS, CHARLES J
3390	VANVALKENBURGH, KEITH B
3419	KOESTER, BERNARD F
0410	TRIM SERVICES LLC
3430	HASSINGER, PAULINE L
3450	PRICE, ROBERT C
3477	RESETAR, RUTHANNA D
3500	NEU, TRICIA R
3522	KAHL, ROGER A
3570	GUTZKE, RONALD J
3572	BIOMETRIC DESIGNS
30.2	ROOT, CHRIS
3600	BADER ACRES

BOWEN RD 2005 (Cont'd)

		•	•	
3680	ALLIN, JOSH			
3710	QUEEN, BRIAN			
3730	HILLMAN, GEORGE T			
3740	SHAW, SCOTT M			
3750	BOYER, MICHAEL A			
3760	SINKE, ROBERT J			
3920	HILYARD, KEN			

#### BREWER RD 2005

4600	CTADDON FDWADD M	
1692	STADDON, EDWARD M	
1725	SCHLACK, CHAR	
1800	COLELLA, D C	
1820	CHEVALIER, ELMER R	
1830	GOODRICH, BARNEY B	
1900	LAPOINTE, LAURA J	
2021	CORNING, DANNY M	
2031	STEPHENSON, MARY L	
2032	RIDENOUR, ROBERT	
2070	FAUER, DOUGLAS F	
2079	OSTAFIN, JOSEPH F	
2090	ISH, ROBERT R	
2125	FORD, TIMOTHY P	
2131	AU TECHNOLOGIES INC	
0400	GREENLEES, ROBERT J	
2160	JACOBSON, CHARLES W	
2222	DONLEY, MICHAEL	
2243	MORRIS, GARY W	
2255	SKAGGS, PAUL M	
2278	JOHNSON, ALAN C	
2344	BEST, CAROL A	
2381	SWEET, GORDON L	
2515	ZEPPA, RUDOLPH G	
2570	MIECHIELS, DAVID L	
2609	GARRETT, JAMES H	
0040	TECHS OF THE WEB INC	
2640	JOHNSON, DARIN H	
2645	SCHWANKE, DEBORAH L	
2677	MCKENZIE, LEE E	
2723	BOSTIC, DANNY	
2779	BOSTIC, DANNY	
2830	WEIKART, DAVID	
2832	LEFEVRE, SCOTT R	
2900	LECHEVALIER, KAYE D	
2923 2930	LOCKWOOD, ALLEN E	
	BUTLER, PAUL D	
3005	WHALIN, WILLIAM M	
3013	WEBSTER LIQUIDATION	
3017	WEBSTER, GENE K	
	SHINN, STEVE D	
3021 3022	BOIK, CATHERINE A YANG, MAI	
3121	MCCUBBIN, JAY	
	KLASSIC KLEANING & SERVICES	
3250	KROKOSKY, CORLISS S	
3280	HOFFMEYER, DAVID A	
3295	TARTAGLIA, MICHAEL G	
3300	HOFFMEYER & SONS FRAME & COLLISION S	
3300	HOFFMEYER, SHIRLEY J	
	JACK HOFFMEYER & SONS	
	U. C. C. F. IVIL F. L. C. G.	

## BREWER RD 2005 (Cont'd)

3311	DICKERSON, JEFFERY J
	JDM INTERNATIONAL LTD
3319	GARRATT, WILLIS H
3338	JOSLIN, KENNETH R
3343	MORRIS, JAMES P
3351	PONSKI, BOGDAN M
3380	MOULES, JOHN W
3395	MISENAR, PHYLLIS J
3421	PLUM, REBECCA
3425	BURTON, PAULINE
3426	ADAPT MY HOME
	ONDERCHANIN, MICHAEL L
3430	JACKSON, BARBARA J

### TOOLEY RD 2005

1740	KNORR, SANDRA K
1885	HUBBEL, EDWARD F
2050	BAILEY, HARRY E
2061	LONDY, GEORGE L
2071	MILLER, FRANK J
2240	WILLIAMS, WAYNE R
2290	KROMBERG, ARNOLD A
2330	MANNISTO, MARK E
2400	STUTESMAN, STEPHEN J
2520	FLEMING, PATRICK J
2585	WALTERS, GREGORY J
2601	NABOZNY, ALAN J
2990	PATTERSON, TOM D

**Target Street Cross Street** <u>Source</u> Cole Information

#### WARNER RD 2005

2770	FOLLETTE, DAVID E
3020	RUSK, JOSEPH J
3072	ROBINSON, DAVID A
3080	ADAS, AMANDA
3100	RESETAR, DANIEL J
3180	DAMASKE, JEFFREY C
3200	THOMPSON, CLARKE A
3244	STUHRBERG, GERALD L
3266	SCHMIDBAUER, WILLIAM L
3300	RODDENBERG, DENNIS J
3467	COBB, RANDAL G
3531	BONELLO, DANIEL C
3562	KRESE, NICHOLAS J
3583	PENNALA, DEAN A
3595	PHELAN, JIM G
3625	DUFRIN, ANDY
3628	DAVIDSON LEASING INC
	DAVIDSON, GUY R
3688	MAROUDIS, FRANK S
3697	WALSH, MICHAEL W
3778	BATES, WILLIAM J
3863	DOBBS, FREDERICK A
3921	MCGREGOR, KAREN S
4125	KETCHUM, JOHN M
4136	OLRICH, PETER C
4400	PALMERTON, FRED R

Target Street

Cross Street

<u>Source</u>

Cole Information

#### BOWEN RD 2000

2080	YOGUS, RONN L
2115	WILLIAMS, RAYMOND F
2182	FRITZ, LEO
2308	PUROL, JOHN
2320	BARBARY, RICHARD W
2374	KENNEY, WILLIAM
2436	ROBERTSON, B
2480	JONES, DOUGLAS E
2520	SOJA, JANIE
2521	KLAIS, ALAN
2535	PICHNER, FRANK
2552	SHIELDS, MICHAEL
2610	PETRE, JAMES W
2620	HIBBARD, D
	HIBBARD, DONALD
2630	BAHL, THOMAS M
2643	FRENGER, KENNETH
2647	WATERS, CLYDE
2660	NAYLOR, GEORGE C
2700	DIETERLE, LAWR W
2727	DYE, WILLARD W
2801	WILKINSON, CHARLES E
2851	KLAHS, BRET
3102	DAAVETTILA, ALAN
3150	CARNAHAN, GARRY
3196	MCNULTY, MICHAEL D
3197	GUY, ROBIN J
3225	CRAIN, EUGENE R
3327	SHOSEY, CAROLYN M
3390	VANVALKENBURGH, IRVING L
3419	KOESTER, BERNIE
3430	HASSINGER, LEE R
3450	WALLACE, R
3500	WALBLAY, ALLEN D
3572	ROOT, JEFF
3600	BADER, PAMELA
3680	BARNARD, ROBERT
3710	NIEPOTH, JACK
3730	A & H PAINTING
	HILLMAN, GEORGE
3740	SHAW, SCOTT
3750	BOYER, M F
3760	SINKE, ROBERT
3920	SHELTON, RUSSELL

### Target Street

Cross Street

# **Source**Cole Information

### BREWER RD 2000

1630	STRERRING WILLIAM D	
1692	STREBBING, WILLIAM R STADDON, EDWARD M	
1725	SCHLACK, DANIEL R	
1820	CHEVALIER, ELMER	
1900	LAPOINTE, LAURA J	
2031	BONHAM, ROSE M	
2001	STEPHENSON, MARY L	
2032	RIDENOUR, KURT R	
2070	HONHERA, MICHAEL	
2079	OSTAFIN, DEBRA A	
2090	ROSENBERGH, TOM	
2125	FORD, TIMOTHY P	
2131	GREENLEES, ROBERT J	
2160	HAMMOND, ROBERT	
2243	PELLEGRINO, MARC	
2255	SKAGGS, PAUL M	
2278	JOHNSON, ALAN	
2380	WEIKART, G	
2452	SHEARER, DOUGLAS	
	TRICO MANUFACTURING CORP	
2570	CASSEM, ARDY L	
2609	GARRETT, JAMES	
2645	SCHWANKE, DEBORAH	
2677	MCKENZIE, LEE	
2723	BOSTIC, DANNY A	
2779	BOSTIC, DANNY A	
2832	PAULSEN, JOHN	
	ROSEMAN, BESS	
2900	LECHEVALIER, KAYE D	
2930	BUTLER, PAUL D	
3010	OWENS, LARRY	
3013	VANDEBERG, BLAINE	
3017	VANWIE, CHARLES	
3021	BOIK, GERALD	
3022	MORAN, ROBERT C	
0000	NORTHWIND COMMUNICATIONS	
3060	GOLM, NANCY A	
3121	FINCH, ROBERT J	
3250	KROKOSKY, J	
3280	HOFFMEYER, DAVID	
3295	DEMEL, SHERI	
3300	HOFFMEYER & SONS FRAME & COLLISION SHOP	
3311	HOFFMEYER, JACK W	
3311	DICKERSON, JEFFRY GARRATT, WILLIS H	
3351	PONSKI, BOGDAN M	
3380	MOULES, JOHN W	
3395	MISENAR, ROBERT E	
3425	BURTON, PAULINE	
0 120	WROBLEWSKI, MICHAEL	

Target Street Cross Street Source
- Cole Information

BREWER RD 2000 (Cont'd)

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	2420	IACKSON TAMES E	
I	3430	JACKSON, JAMES E	I
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Target Street Cross Street Source

Cole Information

# TOOLEY RD 2000

1676	BRODERSEN, STEVE
1740	GLENN, S
	KELLY, MATTHEW J
	KNORR, SANDRA
1750	TURNER, WILLIAM H
1792	JACHIM, KAY M
1801	HUBBEL, HERBERT
1880	KILLIAN, MARK
1885	HUBBEL, EDWARD
2050	BAILEY, HARRY E
2071	MILLER, FRANK J
2240	BOTTLES, BRYAN
2330	LARSON, V
	MANNISTO, MARK
2400	VINT, MICHAEL G
2520	FLEMING, PATRICK
2585	WALTERS, GREGORY J
2990	PATTERSON & ASSOCIATES
	PATTERSON, TOM

Target Street Cross Street Source
- Cole Information

# WARNER RD 2000

2770	LAFOLLETTE, DAVID E
3020	RUSK, MICHELE R
3100	JONES, TONY R
3110	ADAS, DARLENE F
3180	DAMASKE, JEFFREY
3266	SCHMIDBAUER, WILLIAM L
3300	RODDENBERG, DENNIS
3467	COBB, AUDREY D
	R CS ASPHALT SEAL COATING
3595	PHELAN, JIM
3625	DUFRIN, WILLIAM N
3628	PRYSLAK, STEVEN
3688	MAROUDIS, FRANK
3697	WALSH, MICHAEL
3778	BATES, WILLIAM J
3782	DROHN, GREGORY
3863	DOBBS, F
3921	MCGREGOR, KAREN S
4128	OLRICH, CLARK K
4136	OLRICH, PETER C
4141	WRIGHT, B

### Target Street

# Cross Street

### <u>Source</u>

Cole Information

# BOWEN RD 1995

2080	YOGUS, RONN L
2115	WILLIAMS, RAYMOND F
2120	NASH, CLYDE
2179	OCCUPANT UNKNOWNN
2182	OCCUPANT UNKNOWNN
2300	RYAN, ROBERT C
2308	PUROL, JOHN
2320	BARBARY, RICHARD W
2374	CORLEW, MELANIE
	KENNEY, WILLIAM
2410	OCCUPANT UNKNOWNN
2412	MALEWITZ, WILLIAM J
2436	ROBERTSON, B
2480	JONES, DOUGLAS E
2520	SOJA, DENNIS
2521	KLAIS, ALAN
2535	PICHNER, FRANK
2552	SHIELDS, MICHAEL
2610	PETRE, JAMES W
2620	HIBBARD, DONALD JR
2630	KUDLA, GEORGE M
2643	FRENGER, KENNETH
2647	WATERS, CLYDE
2660	NAYLOR, GEORGE C
2727	DYE, WILLARD W
2801	WILKINSON, CHARLES E JR
3102	DAAVETTILA, ALAN G
3150	MCGREGOR, MARK
3196	OCCUPANT UNKNOWNN
3197	KELLY, BRIAN
3225	CRAIN, EUGENE R
3327	SCHROEDER, DONNA J
3353	FILAS, MICHAEL
3381	GOLEMBIEWSKI, LEONARD
3390	VANVALKENBURGH, IRVING L
3419	GRANT, L
3430	HASSINGER, LEE R
3450	WALLACE, R
3477	RESETAR, DENNIS
3572	BADER, DALE A
3680	BARNARD, SHELLEY
3710	BUELL, JAMES
3730	HILLMAN, V D
3740	SHAW, SHAWN
3760	SINKE, TONI
3920	SHELTON, RUSSELL

### <u>Target Street</u> <u>Cro</u>

### Cross Street

# **Source**Cole Information

BREWER RD 1995

1000	OTDEDDING WILLIAM D
1630	STREBBING, WILLIAM R
1820	CHEVALIER, ELMER
1900	MEISEL, DONALD T
2021	GREENLEES, ROBERT J
2031	BONHAM, ROSE M
0000	STEPHENSON, MARY L
2032	OCCUPANT UNKNOWNN
2070	HONHERA, MICHAEL
2079	OCCUPANT UNKNOWNN
2090	ROSENBERGH, THOMAS
2125	REETZ, LUTHER P
2160	SHALLMAN, JOHN C
2222	DONLEY, MICHAEL
2255	NIEMELA, JERED
2278	BIDDLE, CHARLES
2344	STEIGER, DANIEL J
2380	OCCUPANT UNKNOWNN
2415	OCCUPANT UNKNOWNN
2452	SHEARER, DOUGLAS
2515	ZEPPA, SHIRLEY I
2609 2645	REGHI, N L OCCUPANT UNKNOWNN
2677	MCKENZIE, LEE
2723	BOSTIC, DANNY A
2830	GROSSMAN, DOUG
2835	DRECHSLER, EDWARD
2900	LECHEVALIER, KAYE D
2930	BUTLER, PAUL D
2945	BROOKSHEAR, MURRAY
3010	OWENS, LARRY
3022	MORAN, ROBERT C
	NORTHWIND COMMUNICATIONS
3060	GOLM, GORDON A
3121	WIRTH, MELVIN H
3250	KROKOSKY, J
3280	HOFFMEYER, DAVID
3295	MCDONALD, DUNCAN A
3300	HOFFMEYER & SONS FRAME SHOP
	HOFFMEYER, JACK W
3311	LABADIE, THOMAS
3319	HUGHES, MICHAEL
3395	MISENAR, ROBERT E
3421	BRICKER, JACK A
3425	WROBLEWSKI, MICHAEL
3430	JACKSON, JAMES E

Target Street Cross Street Source

Cole Information

# TOOLEY RD 1995

1630 1676 1712 1740 1750 1792 1801 1880 1885 1920 2050 2061 2071	OCCUPANT UNKNOWNN BRODERSEN, STEVE OCCUPANT UNKNOWNN KNORR, ALAN CRAWFORD, MICHAEL E JACHIM, JOSEF HUBBEL, HERBERT WEBSTER, CHRIS HUBBEL, EDWARD OCCUPANT UNKNOWNN BAILEY, HARRY E HARRISON, JENNY TORVINEN, P
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2400	MOON, FRED W
2520	FLEMING, PATRICK JR
2585	OCCUPANT UNKNOWNN
2990	PATTERSON & ASSOC

Target Street Cross Street Source
- Cole Information

# WARNER RD 1995

2770	LAFOLLETTE, D E
3100	HAMILTON, SAM
3110	ADAS, DARLENE F
3266	SCHMIDBAUER, WILLIAM
3531	BONELLO, DANIEL
3562	KRESE, JOHN A
3583	PIERSON, DONNA K
3595	PHELAN, JIM
3625	WARREN, GRANT
3628	PRYSLAK, STEVEN
3688	MAROUDIS, FRANK
3697	WALSH, MICHAEL
3782	SUTTON HOMES
	SUTTON, JOHN
3863	DOBBS, F
3921	MCGREGOR, ROGER J
4128	OLRICH, CLARK K
4141	WRIGHT, RONALD C
4400	H JAMES MORAN
	MORAN, HAROLD J

<u>Target Street</u> <u>Cross Street</u>

<u>Source</u>

Cole Information

# BOWEN RD 1992

2080	YOGUS, JOSEPH
2115	WILLIAMS, RAYMOND F
2120	NASH, CLYDE
2179	BADER LNDSCPNG
2300	RYAN, ROBERT C
2308	PUROL, JOHN
2320	ONEILL, KEVIN
2374	GIBBONS, TOM
	ROBERTSON, B
2412	MALEWITZ, WILLIAM J
2520	PINE BRK ADLT FSTR
2521	KLAIS, ALAN
2535	PICHNER, FRANK
2610	PETRE, JAMES W
2620	HIBBARD, DONALD JR
2630	KUDLA, GEORGE M
2647	WATERS, CLYDE
2660	NAYLOR, GEORGE C
2700	DIETERLE, LAWR W
2801	WILKINSON, CHARLES E JR
3225	CRAIN, EUGENE R
3327	SCHROEDER, DONNA J
3353	FILAS, MICHAEL
3381	GOLEMBIEWSKI, LEONARD
3390	I L VANVALKENBURGH
	VANVALKENBURGH, IRVING L
3419	GRANT, L
3430	HASSINGER, LEE R
3450	WALLACE, R
3680	BARNARD, SHELLEY
3920	WILCOX, ROBERT

Target Street Cross Street Source
- Cole Information

# BREWER RD 1992

1630	STREBBING, WILLIAM R
1820	CHEVALIER, ELMER
1900	MEISEL, DONALD T
2021	GREENLEES, ROBERT J
2032	POWELL, DAVID
2125	REETZ, LUTHER P
2278	BIDDLE, CHARLES
2344	STEIGER, DANIEL J
2452	SHEARER, DOUGLAS
2515	CICAN, MARK A
2645	STONGE, GLENN
2677	MCKENZIE, LEE
2723	BOSTIC, DANNY A
2830	GRAY, G D
2900	LECHEVALIER, KAYE D
2930	BUTLER, PAUL D
3010	CULVER, STANLEY JR
3022	MORAN, ROBERT
3121	WIRTH, MELVIN H
3250	KROKOSKY, J
3280	HOFFMEYER, DAVID
3295	MCDONALD, DUNCAN A
3300	HOFFMEYER&SONS SHP
	HOFFMEYER, JACK W
	J W HOFFMEYER
3311	SUSIES HOME SRVCS
3319	GARRATT, WILLIS H
3395	MISENAR, ROBERT E
3421	BRICKER, JACK A
3425	WROBLEWSKI, MICHAEL
3430	JACKSON, JAMES E

Target Street Cross Street Source

Cole Information

#### **TOOLEY RD** 1992

		TOOLEY RD	1992	
1630 1676 1740 1880 1885 2050 2061 2071 2400 2520 2990	CHAPMAN, JAMES R BODERSEN, STEVE KNORR, ALAN WEBSTER, GERARD HUBBEL, EDWARD BAILEY, HARRY E ERICKSON, MICHAEL GREAT LK STM CLNG MOON, FRED W FLEMING, PATRICK J PATTERSON&ASSOC PATTERSON, THOMA	- G IR		

Target Street Cross Street Source
- Cole Information

# WARNER RD 1992

2770	LAFOLLETTE, D E
3100	HAMILTON, SAM
3110	ADAS, DARLENE F
3266	ERICKSON, JOHN
3583	RUTTER, ELOISE
3595	PHELAN, JIM
3625	WARREN, GRANT
3628	PRYSLAK, STEVEN
3688	MAROUDIS, FRANK
3697	RICHTER, FRED W
3863	DOBBS, F
3921	MCGREGOR, ROGER J
4141	WRIGHT, RONALD C
4400	H JAMES MORAN CPA
	MORAN, HAROLD J

### **BOWEN 1987**

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)	2300	RO8E	RT C	RYA	97597 TH	1	54	61	03	5
3	2301	VCVI				IP			0 0	_
3	2320	KEVII					1154			
2	241D	8 RO		The second second second second	LEWI	T77	<b>1154</b>			0.000
	2480	252D	I WM	J MIA		IP /	34	02	10	J
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250	2535	FRAN			R		54			
5	2610	JAME!						67		
3	263D	GEOR						60		
5	2643	EDWA				9				1000
3	2647	CLYD	E WA	TERS	3	0		64	06	5
1	266D	GEOR	GE C	NAY	LOR		54	63	85	8
2		LAWR					54	6D	55	6
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5	2990	3197				IP				
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### **BREWER** 1987



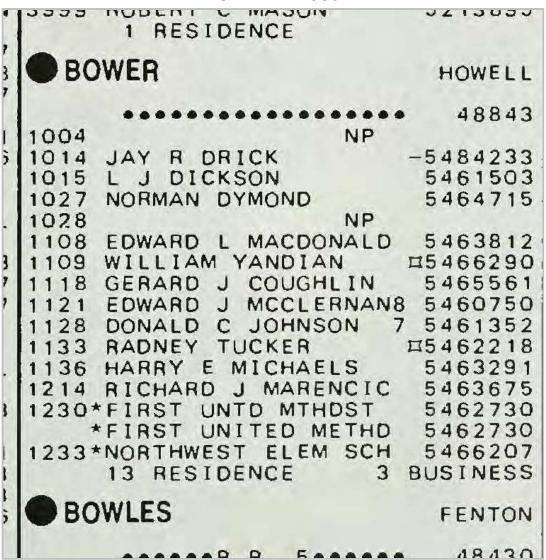
**TOOLEY 1987** 

	O4 HEOTOFILOE			
● TO	OLEY		HOW	VELL
	R 10	••••	48	8843
1630	JAMES R CHAPMAN	3	5462	
1676	JEFF W KILPELA	1	5481	103
1712	ALLAN J SPARKS	8	5467	235
1725	WILLIAM T MARR		5463	3701
1740	ALAN KNORR		5465	688
1750	MICHAEL E CRAWFO	ORD3	5482	195
1880	GERARD WEBSTER		5469	
1885	EDWARD HUBBEL		5464	
1920	N POPEK		5481	
2050	HARRY E BAILEY		5463	3804
2071		NP		
2260		NP	-	
2400	F W MOON		5467	823
2601		NP		
2755			5464	
2990	THOMAS D PATTER			
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WARNER 1987

	17 RESIDE	NCE	
● W/	ARNER RD		HOWELL
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3080	RONALD RI	FE	4 5466560
3110		NP	
3625	GRANT WAR		-5466326
3697	FRED W RI		5463930
3921	ROGER J M		9 5483378
4125		NP	
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4400	H JAMES M		5462122
4430	0 050105	NP NP	DUCTNEC
	8 RESIDE	NCE	1 BUSINESS
● W	ARNER RD		LNGSBRO
	•••••R	R 4	• 48848
12050	LARRY G	EATON	<b>116755354</b>
12125	DAVID M	SLEE	7 6755454

### **BOWEN 1983**



### **BREWER** 1983

BH	REWER RD		HC				
	•••••R R 10•••••	_			8		
1630	WM R STRE88ING		46				
1800	LEON PEARSON 5	D	46	) 4	3	J	O
1B20 1835	ELMER CHEVALIER 4	5	46	4	7	7	8
2021	A HAY 5	5	46	. 8	6	7	2
2025		5					
2031		5	46	O	3	6	6
2032	DAVID POWELL 8		46				
2125	NP						
2415		5				6537.00	
2452 2515		5					
2609	WARREN D ELLSWORTH		46				
2723		5					F397.1
2830	G DONALD GRAY 9		46				
2835	GEORGE S ANDREWS 3	5	46	3	7	5	4
2900	KAYE D LECHEVALIER						
2930	JERRY W VINCENT 7	5	46	9	6	8	3
3005	STANLEY CULVER JR 9	5	10	2	2	0	a
3022	PHILIP A PERRI 7		48				
3060	NP		, ,				_
3121	M H WIRTH 9	5	46	1	7	6	2
3250	LESLIE KERN O	5	46				
3295		5					
3300	JACK W HOFFMEYER		46				
3319	WILLIS H GARRATT 7		46				
3395	JOHN W MOULES JERALD K COOK 1		46 48				
3421	JACK A SRICKER 8		48				
3425	MICHAEL WROBLEWSKI9						
3430	JAMES E JACKSON		46				MWGS
3480	34 RESIDENCE						
	O- HEOTOLINGE						

**Target Street** 

**Cross Street** 

<u>Source</u>

Bresser's Cross-Index Directory

# **TOOLEY 1983**

527	MARIO FORMOLO 31 RESIDENCE	9	5464163
● TO	OLEY		HOWELL
1630	TOM MCFARLAND	0	48843 5467790
1676	JEFF W KILPELA ALLAN J SPARKS	1	
1725	WILLIAM T MARR		5463701 5465688
1750	GERARD WEBSTER	NP	5469563
1885	EDWARD HU88EL N POPEK	5	5464415 5481511
2050	HARRY E BAILEY GERALD WITT		5463804 5464293
2148 2176	FRANK W KORTH 2204 2260 2372	NP	5466930
2601	F W MOON	NP	5467823
2990	D H FARMS CO THOMAS D PATTER 19 RESIDENCE	RSON7	5464444 5463296 BUSINESS
• 10	PHITH RD		STCK8DG

Target Street

**Cross Street** 

<u>Source</u>

Bresser's Cross-Index Directory

# **WARNER 1983**

P.	6442	6464	Baulie al	NP	hard to the live
1		14 RESI	OENCE	2	BUSINESS
	● W	ARNER RI	D		HOWELI
)			R R 10		48843
	30B0	3110		NP	
	3625	KENNETH	V YORK	( 5	5468399
	3697	FRED W	RICHTER	3	5463930
	3921	ROGER J	MCGREC	SOR 9	5483378
	4125	WILLARD			5462714
		RONALD			5461B0
		H JAMES			5462122
	4430	CARL WE	LLER		5462936
		8 RESI	DENCE	1	BUSINESS
)	● W	ARNER RI	D S		SHFTSBC
					48883
	8716	STEWART	FILLTON	J	6755425

### **BOWEN 1977**

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5	- DOUTH DD		610		
3	BOWEN RD		HU	WEL	١-
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	2000 LU VOCUS			884	Sec.
2	2080 J W YOGUS		546		
	2120 P W BECKER		546		
7	2182 DENNIS C CURRIE		546		253
3	2320 NELSON ROBERTSON		546		193
	2410 WILLIAM J MALEWI		0546		
5	2480 ROBERT C FROHLING	6	546		0.5
3	2520 RAYMOND C KOL8	-		429	
	2610 JAMES W PETRE		546		200
85	2630 GEORGE M KUDLA		546		
•	2660 GEORGE C NAYLOR	2	546		
	2700 LAWR W DIETERLE		546	Alexander Control	1000
3	2801 C E WILKINSON JR		546	328	4
>	2990 NI	Р			
)	3197 NI				
13	3225 EUGENE R CRAIN	3	546	275	2
	3390 * I L VANVALKENBUR	GH	546	365	0
	3430 L R HASSINGER	2	546	645	3
	3450 PAUL F WALLACE		0546	760	9
7	3680 EDWARD R CALDWELL	L 3	546	023	7
3	3739 LYLE FOWLER		546	439	5
3	3920 ROBERT WILCOX		546	421	5
3	20 RESIDENCE	1	BUSI	NES	S
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	BOWEN RD		WE8	ERV	L
<b>-</b> 30			4	889	2
	3999 ROBERT C MASON		521	389	5
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### BREWER 1977

	BREWER 19//
	2 RESIDENCE
	BREWER RD HOWELL
3	R R 10 48843
1	1630 WM R STRE88ING 5463844
	1725 LEDN PEARSON 5 5464356
	1800 NP
כ	1820 ELMER CHEVALIER 4 5464778
	1835 T J WILLIAMS 6 5481725
O	2021 A HAY 5 5468673
5	2031 DANIEL GDDWSKI 5 5460366
1	2032 KATHY MCNEIECE 05467720
3	2125 LUTHER P REETZ 5462189
1	2415 E K ZINSER 5462208
3	2515 GERALD L HOLTON 5465991
8	*LURE CORP 05469392
8	2609 WARREN D ELLSWORTH2 5460908
8	2830 LULU GRAY 5460171
	2835 GEDRGE S ANDREWS 3 5463754
5	2900 KAYE O LECHEVALIER2 5468305
	2930 JERRY W VINCENT 05469683
4	3005 FRANCIS RUSINSKI 05466869
5	3010 MABLE K DAVIS 05468132
5	3022 PHILIP A PERRI 05481029
2	3060 JOSEPH L LAVOIE 2 5464588
3	3295 OUNCAN A MCODNALD 3 5467426
1	3300 JACK W HDFFMEYER 5464217
6	3319 WILLIS H GARRATT -5467918
5	3380 JDHN W MDULES 5469276
1	3395 K KRAMER 05461723
7	3430 JAMES E JACKSON 5464774
8	3480 NP
	27 RESIDENCE 1 BUSINESS
5	
7	BREWER RD LNGS8RG
7 2 7	
7	48848

# **TOOLEY 1977**

32 RES	IOENCE	
TOOLEY		HOWELL
•••••		. 48843
1630	NP	
1676 WILBER	OEAN	4 5469783
1725 WILLIA	M T MARR	5463701
1740 ALAN K	YDRR	5465688
1750	NP	
1880 GERARD	WE8STER	5469563
1885 EOWARO	HU88EL	5464415
1920 N POPE	K	5 5481511
2050 HARRY	E BAILEY	3 5463804
2071 GERALO	WITT	5464293
2148 FRANK	W KORTH	3 5466930
2176 DUANE	CLUM	5 5467673
2260 JDSEPH	OPRISIU	6 5481603
2372 EDWARD	W SMITH	6 5466933
2400 F W MO	ON	5 5467823
2601	NP	
2755*0 H FA	RMS CO	5464444
L J SA	VITSKIE	5464444
2990 THOMAS	D PATTERSON	п5463296
		8US INESS
TOPHIT	H RD	STCK80G

### <u>Source</u>

Bresser's Cross-Index Directory

# WARNER 1977

WARNER RD	HOWELL
WAKNER NO	1101122
R R 10	48843
30B0 NP	
3110 JAMES C BUELL	5463525
	546B395
	5463930
	5462714
4141 RONALO C WRIGHT	5461B01
	5462122
4430 CARL WELLER	5462936
	BUSINESS
WARNER RD S	SHFTSBO

### **BOWEN 1972**

TO KENTOENCE T	DOTHESS
13 KE2 IDENCE 1	DO3 111 E 3 3
BOWEN RD	HOWELL
R R 4	48843
2080 OAVIO G HOWARD	D54663B9
2120 P W BECKER	D5466273
21B2 JAMES R WALSH	5460366
2320 NELSON ROSERTSON	-5461667
2410 NP	
24BO ROBERT C FROHLING	5464 <b>7</b> 9B
2520 RAYMONO C KOL8	5464299
2630 GEORGE M KUDLA	n5460972
2660 GEORGE C NAYLOR	п546385В
2700 L W OIETERLE	5460556
2801 C E WILKINSON JR	5463284
2990 CLARKE A BEAN	5464473
***** R R 2*****	48843
3197 EUGENE HICKS	5464165
3225 NEO SCHAUFELE	5463632
3390 * VANVALKENBRGH PNT	8 5463650
3430 L R HASSINGER	п5466453
36BO MELVIN H CHECKER	<b>¤5461439</b>
3739 LYLE FOWLER	5464395
3920 ROBERT WILCOX	5464215
4430 HAROLD MUNRO	54615B7
4570 MICKEY EUDONIS	5460317
4575 ROGER KURTZ	5460117
4790 HENRY GREEN	5460395
5140 AMOS EMMONS	5460247
5497 ROBERT J BURKE	-5469493
24 RESIOENCE 1	8US INESS
BOWEN RD	WEBERVL

# BREWER 1972

		2 RESIDENCE	
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	1420	WM D STREEPSING	
	1630	WM R STREBBING	
		JERRY E BRACE ROBERT GALLUP	546035B 5464387
	1835	NP	2404301
		LAWRENCE SLACK JR	5461647
		JERRY J DONALD	5461906
	2125		
	2415		5462208
	2515		5465991
1	The second second	WARREN D ELLSWORTH	
	2B30		5460171
	3010		
	3022	EMERSON BALLMER	□5466707
1	3060		-546458B
1	3295	NP	
	3300	JACK W HOFFMEYER	5464217
	3380	JOHN W MOULES	5469276
	3395	CLAIRE E DAVIS	5462422
	3480	JAMES E JACKSON	5464774
	NO #	ALEX TOWAS	5460885
	7	O RESIDENCE	

# **TOOLEY 1972**

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3		A Service S & A
	TOOLEY	HOWELL
1	R R 2	48843
	1630 NP	
)	1725 WILLIAM T MARR	5463701
)	1740 ALAN KNORR	5465688
5	1750 HARRY KEELEY JR	5463326
>	1880 GERARO WE8STER	5469563
5	1885 EOWARO HU8BEL	5464415
)	1920 NP	
)	2050 NP	
3	2071 GERALO WITT	5464293
,	•••••R R 4••••	48843
()	2601 NP	* *00+3
	2755*O H FARMS CO	5464444
ī	L J SAVITSKIE	5464444
	2990 R O PATTERSON	5463296
)	12 RESIDENCE 1	BUSINESS
	TOPHITH RD	STCK80G
		49285
	16631 HITLEADD HOHADO	0010130

### <u>Source</u>

Bresser's Cross-Index Directory

# WARNER 1972

		6 RESIDENCE 1	RN21MF22
o	WARNE	R RD	HOWELL
1			48843
3	3110	JAMES C BUELL	5463525
6	3697	FRED W RICHTER	-5463930
2	4125	WILLARD J CLAWSON	05462714
0	4141	RONALO C WRIGHT	5461801
2	4400	H JAMES MORAN	5462122
4	4430	CARL WELLER	5462936
2		6 RESIDENCE	
3			
0	WARNE	R RD S	SHF TS8G
4		*******	48882
4	8716	STEWART FULTON	6755425
7	ROID	ITM F CHIIDI OW	47572an

2275 Tooley 2275 Tooley Howell, MI 48855

Inquiry Number: 7847279.4

December 12, 2024

# **EDR Historical Topo Map Report**

with QuadMatch™



#### 12/12/24

### **EDR Historical Topo Map Report**

Site Name: Client Name:

2275 Tooley Applied Science & Technology

2275 Tooley 10448 Citation Drive
Howell, MI 48855 Brighton, MI 48116
EDR Inquiry # 7847279.4 Contact: Bailey Bishop



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Applied Science & Technology were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Res	ults:	Coordinates:	Coordinates:		
P.O.#	NA	Latitude:	42.641923 42° 38' 31" North		
Project:	A24-1988.00	Longitude:	-83.969423 -83° 58' 10" West		
-		UTM Zone:	Zone 17 North		
		UTM X Meters:	256557.39		
		UTM Y Meters:	4725327.58		
		Elevation:	877.08' above sea level		
Mana Duavidada					

#### **Maps Provided:**

2019 2017

2014

1975

1968

1909 1907

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### Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

#### 2019 Source Sheets



Oak Grove 2019 7.5-minute, 24000



Howell 2019 7.5-minute, 24000

#### 2017 Source Sheets



Oak Grove 2017 7.5-minute, 24000



Howell 2017 7.5-minute, 24000

#### 2014 Source Sheets



Oak Grove 2014 7.5-minute, 24000



Howell 2014 7.5-minute, 24000

#### 1975 Source Sheets



Howell 1975 7.5-minute, 24000 Aerial Photo Revised 1975



Oak Grove 1975 7.5-minute, 24000 Aerial Photo Revised 1975

### Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

#### 1968 Source Sheets



Howell 1968 7.5-minute, 24000 Aerial Photo Revised 1967



Oak Grove 1968 7.5-minute, 24000 Aerial Photo Revised 1967

#### 1909 Source Sheets

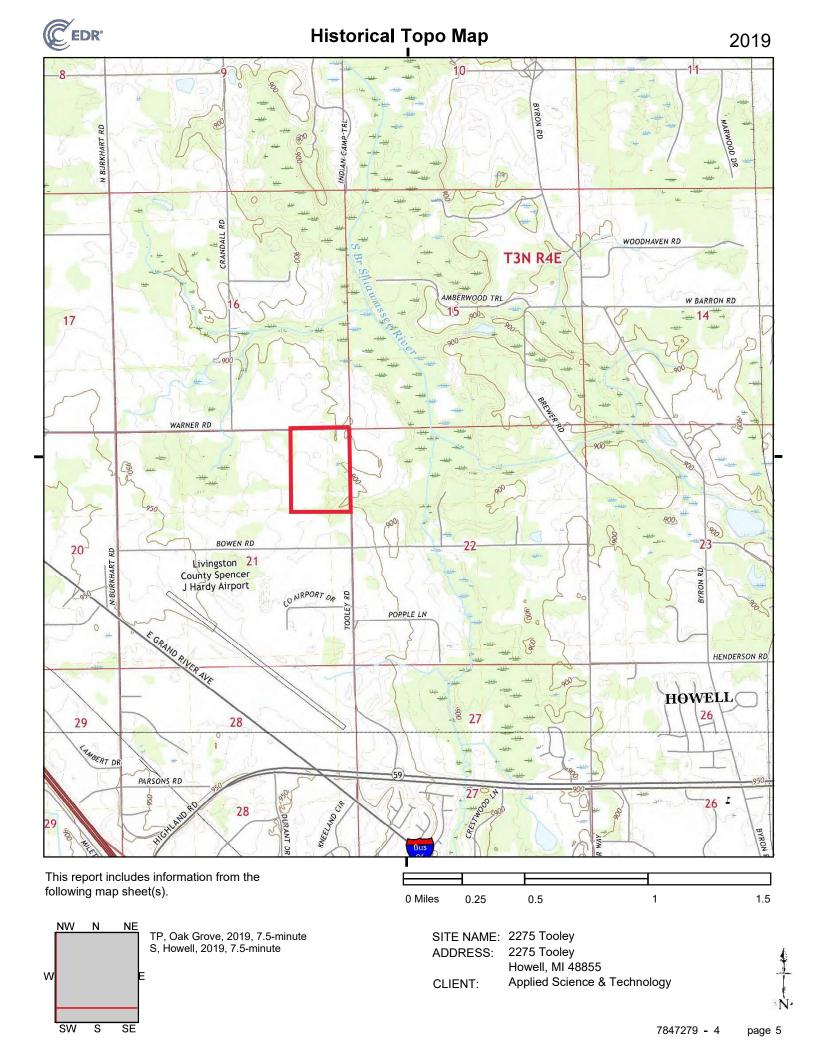


Howell 1909 15-minute, 62500

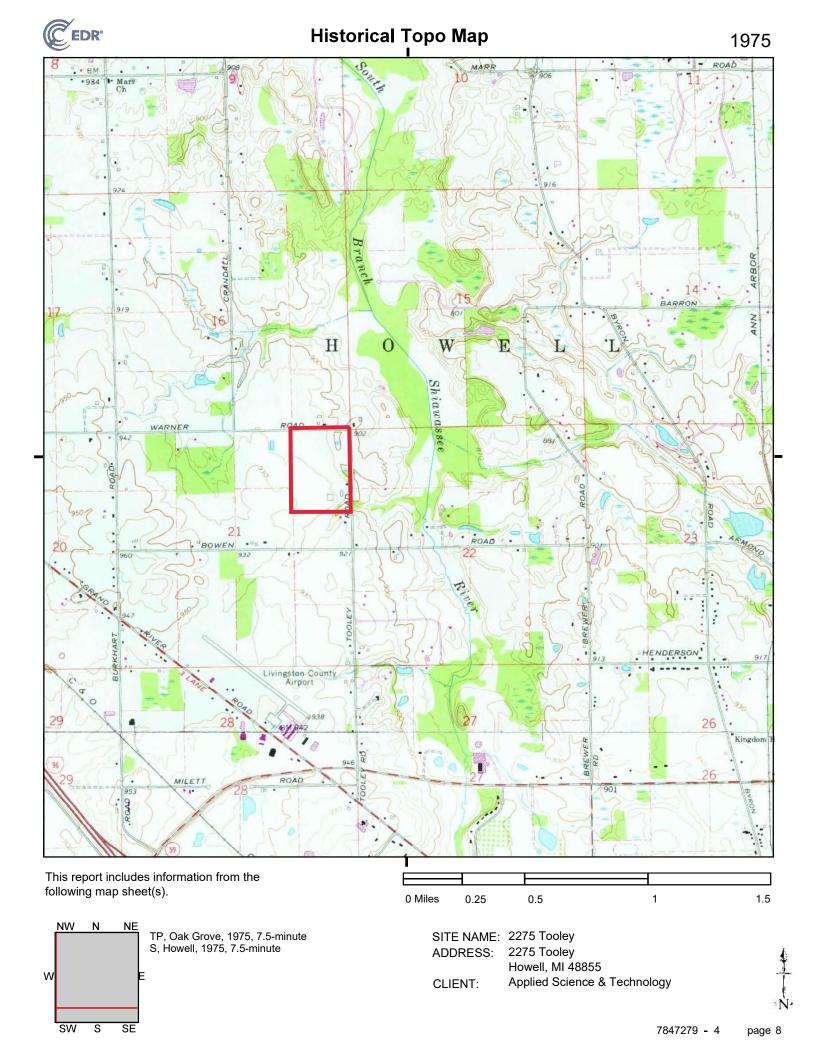
### 1907 Source Sheets

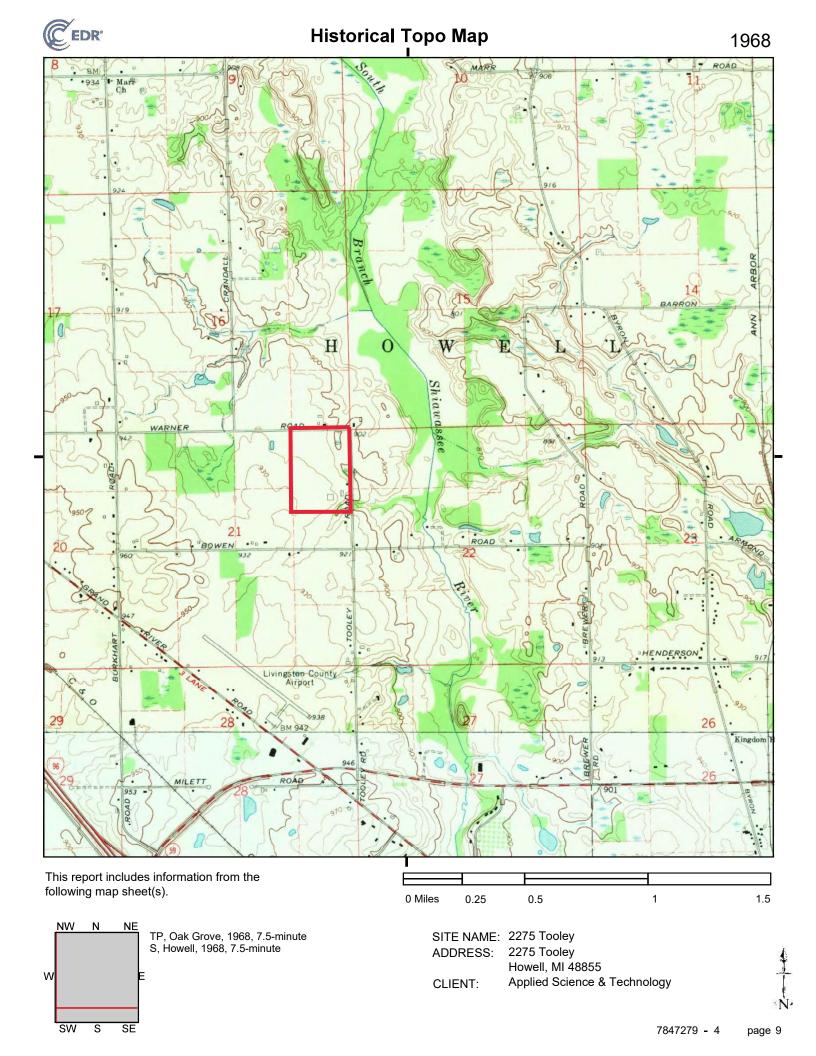


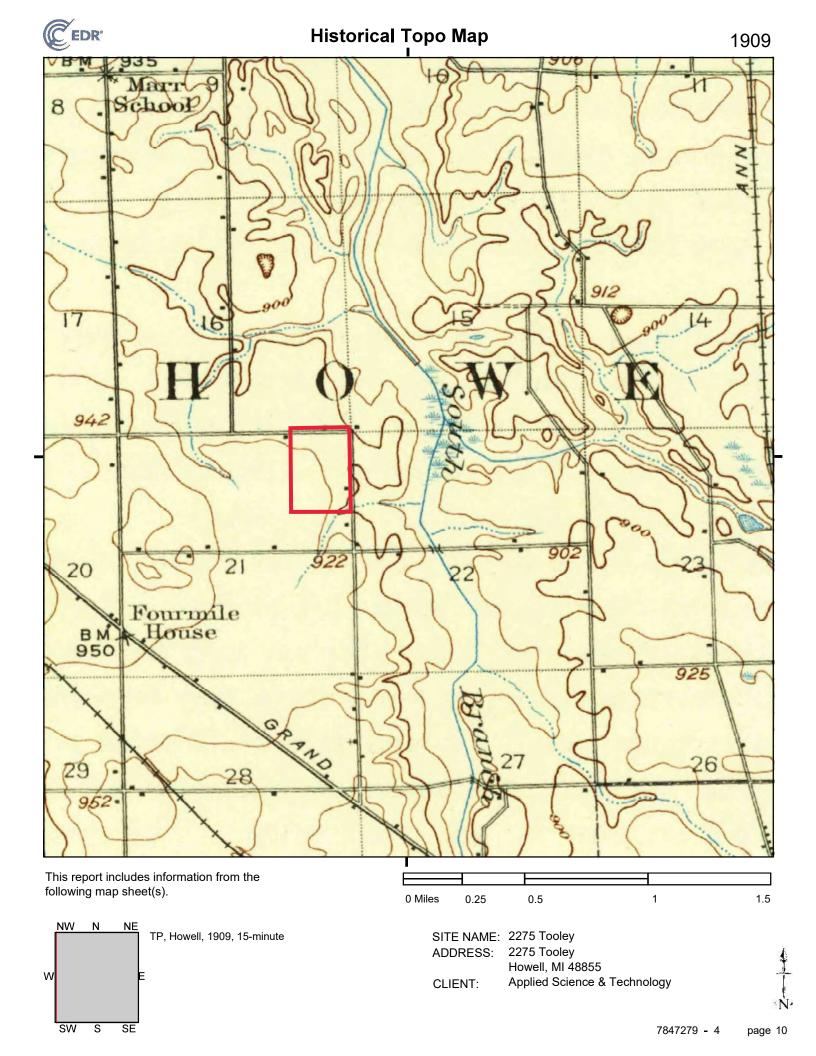
Howell 1907 15-minute, 62500

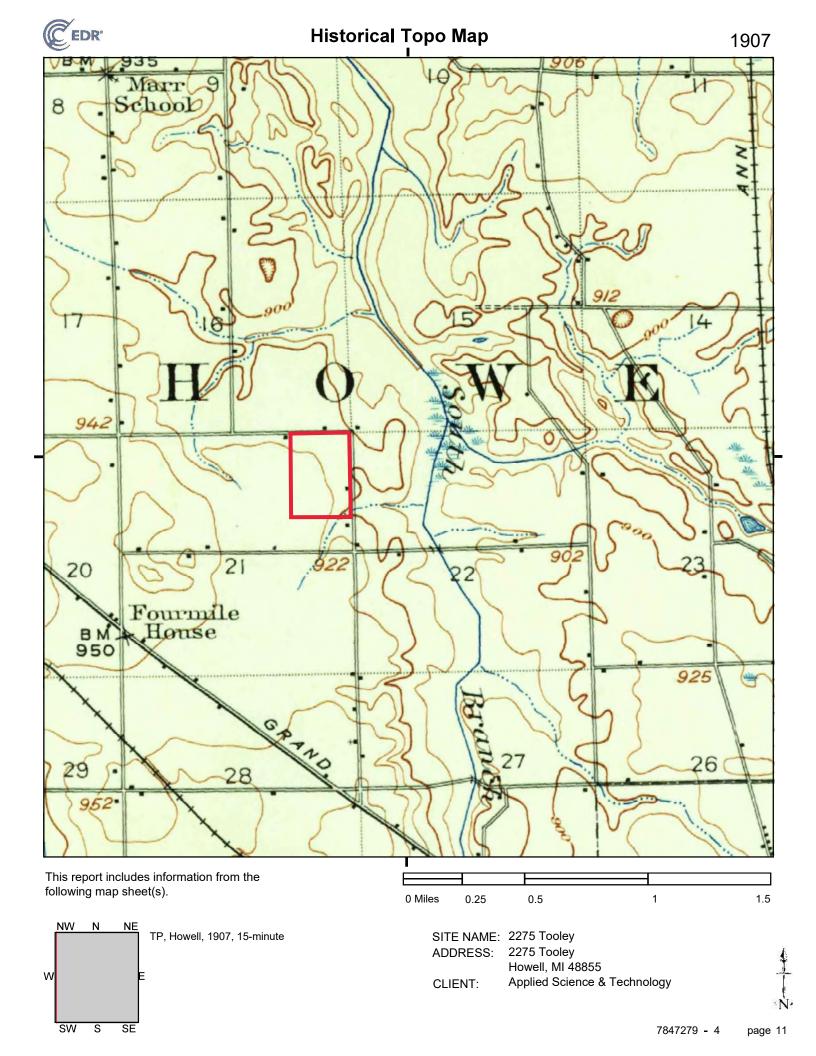


7847279 - 4 page 7









### **APPENDIX F**

**Qualifications**Resumes



# Katherine Young

Environmental Scientist





Katherine Young is a qualified Environmental Professional with over 10 years of experience in Phase I Environmental Site Assessments (ESAs). As an environmental scientist at ASTI, Katherine has completed ESAs for residential, commercial, and industrial sites across Michigan, Texas, Oklahoma, Arkansas, Missouri, and Louisiana. Her project work has included vacant land, apartment complexes, residential lots, commercial properties, and industrial buildings. Her experience with evaluations includes site inspections and historical research. She also has experience assisting with Phase II ESA soil sample investigations, performing air sampling and monitoring, conducting mold sampling, and carrying out dry cleaner audits.

#### Education

Texas A&M University, BS in Rangeland Ecology and Management, Minor in Geology, 2003

#### Licensure

Environmental Professional: ASTM E1537-21

### Years of Practice

2005-Present

#### Certifications

EPA Environmental
Professional
40-Hour OSHA
HAZWOPER Training
and Annual Refreshers
Texas Air Quality
Construction Permitting
Hazcom Standard - GHA
Update for Manager
Clean Air Act Training

### Select Project Experience

Phase I Environmental Assessments, Various Projects, MI Phase I Environmental Assessments, Various Projects, TX, OK, AR, LA, and MO\*

Evaluation of Indoor Air Quality, Various Projects, TX, OK, and AR\*
Industrial Compliance Audits, Dry-Cleaning Facilities, Multiple Locations,
TX and OK\*

Air Permit Applications, Aerospace, Defense, and Security Company, Various Projects, TX\*

Compliance Audit Prep, ISO 14001, Corporate, City, and State Environmental Regulations, EPA, and U.S. Air Force, Fort Worth and Grand Prairie, TX\*

# Kera Sharpe

#### **Environmental Scientist**





Kera Sharpe has over five years of experience in geologic and hydrogeologic investigations and remediation. She has performed Phase I and II Environmental Site Assessments throughout Michigan and Ohio and is certified in 40-hour OSHA HAZWOPER. At ASTI Environmental, Kera prepares traditional and MSHDA-compliant Phase I Environmental Site Assessment reports, Hazard Mitigation Plans, and assists with Phase II investigations. She is also trained in aquifer testing, environmental surface geophysics, groundwater sampling and monitoring, as well as well drilling and installation.

#### Education

Grand Valley State
University, BS in
Geology, 2019
Western Michigan
University, Hydrogeology
Field Camp, 2018

#### Years of Practice

2019-Present

#### Certifications

EPA Environmental
Professional
40-Hour OSHA
HAZWOPER Training
and Annual Refreshers

### Select Project Experience

Phase I Environmental Site Assessments, Low-Income Housing Developments and Conversion Sites, Multiple Locations, MI and OH

Phase I ESAs, Grocery Store Chain, Multiple Locations, MI

MSHDA-Compliant Phase I ESA, Planned 32-Unit Project, Lincoln Park, MI

Phase I ESA, 14 Parcels and Building, Detroit, MI

OHFA-Compliant Phase I ESA, 48-Unit Project, East Palestine, OH

MSHDA-Compliant Phase I ESA, Keeler Building, Grand Rapids, MI

Kent County Hazard Mitigation Plan, Kent County, MI

Ottawa County Hazard Mitigation Plan, Ottawa County, MI

City of Grand Rapids Hazard Mitigation Plan, Grand Rapids, MI

Wayne County Hazard Mitigation Plan, Wayne County, MI

Radon Testing, Multi-Family Buildings, Portland, MI

Lead Based Paint Inspections and Risk Assessments, Flint Housing Commission, Flint, MI

Indoor Air Sampling, Vapor Intrusion Pathway, Grand Rapids, MI

Subsurface Investigation, Traverse City, MI

Sanitary System Sampling for PFAS Investigation, Oakland County

Water Resources Commission, Oakland County, MI

Vapor Pin Installation and Monitoring, Grand Rapids, MI

# **Bailey Bishop**

#### Environmental Technician





Bailey Bishop is an environmental technician at ASTI Environmental, specializing in Hydrology, Geomorphology, GIS, and AQTESOLV. She supports Phase I Environmental Site Assessments (ESAs) across Michigan and Indiana, conducting site inspections, initiating projects, and preparing reports for various property types. In addition, Bailey reviews municipal and county Freedom of Information Act documents to ensure compliance.

Beyond Phase I work, Bailey is skilled in Phase II ESA investigations, including soil and water sampling, overseeing drillers, and conducting hydrological studies. Her technical expertise ensures thorough and accurate assessments, supporting project success.

#### Education

Eastern Michigan University, BS in Environmental Science, 2024

Washtenaw Community College, Associate in Environmental Science, 2022

#### **Years of Practice**

2023-Present

#### Certifications

40-Hour OSHA HAZWOPER Training and Annual Refreshers

### Select Project Experience

Phase I Environmental Site Assessments, Livingston, Washtenaw, Jackson, Wayne, Oakland, Macomb, Genessee, Hillsdale, Kent, Ottawa, Van Buren, Allegan, St. Joseph, Cheboygan, Muskeogon, Grand Traverse, and Leelanau Counties, MI, and Elkhart County, IN

Phase II Environmental Site Assessments, Livingston, Washtenaw, Jackson, Wayne, and Oakland Counties, MI

Lead Inspection Assistance, Flint, MI

Hydrological Investigation, Bruce Township, MI

Per- and Polyfluoroalkyl Substances Ground Water Sampling, Farmington Hills, MI

#### ATTACHMENT(s)

(Adobe's Attachment Panel/Side Bar)

- 1. Baseline Environmental Site Assessment, 207-Acre Property, Tooley Road, Howell Township, dated July 12, 2004
- 2. EGLE Supplemental BEA Information, dated July 27, 2005
- 3. EGLE Letter, dated July 13, 2006
- 4. Livingston County Department of Public Health, Water Quality Test, dated September 10, 2013
- 5. EGLE Letter, UST Type A Closure Confirmation, dated August 8, 2024



# Description of Landowner Liability Protections for All Appropriate Inquiry and User Continuing Obligations

In order to maintain a LLP, landowners must also comply with pre-acquisition and post-acquisition requirements under CERCLA and All Appropriate Inquiry. A summary of each LLP is provided below.

Innocent Landowner Defense (ILO): The defendant did not know and had no reason to know of the hazardous substance with respect to the Subject Property and must show that All Appropriate Inquiries into the past ownership and uses of the property in accordance with generally good commercial and customary standards and practices. All Appropriate Inquiries cannot result in knowledge of contamination.

#### Post- Acquisition Obligations

- 1. Cooperate, assist, and provide access to persons that are authorized to conduct response actions or natural resource restoration at the property.
- 2. Comply with any land use restrictions established or relied on in connection with the response action at a vessel or facility.
- 3. Must not impede on the effectiveness or integrity of any institutional control employed at the vessel or facility in connection with a response action.
- 4. Take reasonable steps to 1) stop any continuing release, 2) prevent any threatened future release, and 3) prevent or limit any human, environmental, or natural resources exposure to any previously released hazardous substance.

Bona Fide Prospective Purchaser (BFPP): Allows a purchaser to acquire a property with knowledge that it is contaminated. This applies to purchasers (and their tenants) that acquire ownership of a facility after January 11, 2002. To qualify, prior to acquiring title, a person must show 1) that all disposal of hazardous substances at the facility occurred before the person acquired the facility, 2) conducted All Appropriate Inquiry, and 3) the person is not a Potentially Responsible Party (PRP) or affiliated with any other PRP for the property through any direct or indirect familial relationship, any contractual, corporate or financial relationship or as a result of a reorganization of a business entity that was a PRP.

#### Post- Acquisition Obligations

- 1. Provide all legally required notices with respect to the discovery or release of any hazardous substances at the facility.
- Exercise appropriate care with respect to hazardous substances by taking reasonable steps
  to stop any continuing release; prevent any threatened future release; and prevent or limit
  human, environmental, or natural resource exposure to any previously released hazardous
  substance.
- 3. Provide full cooperation, assistance, and access to persons who are authorized to conduct response actions or natural resource restoration (including the cooperation and access necessary for the installation, integrity, and maintenance of any complete or partial response actions or natural resource restoration).
- 4. Comply with any land use restrictions established or relied on in connection with the response action, and not impede the effectiveness or integrity of any institutional control employed at the vessel or facility in connection with a response action.
- 5. Comply with any request for information or administrative subpoena issues under CERCLA.



#### **Explanation of LLPs and User Continuing Obligations Continued**

Contiguous Property Owner (CPO): A CPO must not know or have reason to know following performance of All Appropriate Inquiries that their property was or could be contaminated by the adjacent or contiguous real property. The property owner must show that they did not cause, contribute, or consent to the release and is not a PRP or affiliated with any other PRP, and conducted All Appropriate Inquiries.

#### Post- Acquisition Obligations

- 1. Take reasonable steps to 1) stop any continuing release, 2) prevent any threatened future release, and 3) prevent or limit any human, environmental, or natural resources exposure to any previously released hazardous substance.
- 2. Provide full cooperation, assistance, and access to persons who are authorized to conduct response actions or natural resource restoration (including the cooperation and access necessary for the installation, integrity, and maintenance of any complete or partial response actions or natural resource restoration).
- 3. Comply with any land use restrictions established or relied on in connection with the response action at the facility.
- 4. Not impede the effectiveness or integrity of any intuitional control employed in connection with a response action.
- 5. Comply with any request for information or administrative subpoena issues under CERCLA.
- 6. Provide all legally required notices with respect to the discovery or release of any hazardous substances at the facility.



#### **ASTI ENVIRONMENTAL**

# ENVIRONMENTAL INVESTIGATION, REMEDIATION, COMPLIANCE AND RESTORATION PROJECTS THROUGHOUT THE GREAT LAKES SINCE 1985.

#### **OUR SERVICES INCLUDE:**

- ASBESTOS, LEAD, MOLD, AND RADON ASSESSMENTS
- BROWNFIELD/GREYFIELD REDEVELOPMENT ASSISTANCE
- DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT
- ECOLOGICAL ASSESSMENTS AND RESTORATION
- Environmental Assessments and Impact Statements
- ENVIRONMENTAL OPPORTUNITIES ASSESSMENT
- GIS MAPPING
- HAZARD MITIGATION PLANNING
- MINING AND RECLAMATION ASSISTANCE
- REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE
- Phase I ESA and Environmental Due Diligence Assessments
- REGULATORY COMPLIANCE AND PERMITTING
- Soil and Groundwater Assessments
- SOIL AND GROUNDWATER REMEDIATION
- STORAGE TANK COMPLIANCE AND CLOSURE
- THREATENED AND ENDANGERED SPECIES SURVEYS
- WATERSHED AND STORMWATER MANAGEMENT PROGRAMS
- WETLAND DELINEATION, PERMITTING, MITIGATION AND BANKING

