

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

33
WSW
1/2 - 1 Mile
Higher

MI WELLS MI6000000526996

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:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	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):	0
Screen Start Depth (ft):	36	Screen End Depth (ft):	40
Static Water Level (ft):	6	Flowing:	N
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		

F34
ENE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500407

WELLS:

Well ID:	47000012472	Permit #:	Not Reported
Owner:	GARRATT, WILLIS	Well Depth (ft):	154
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	26-SEP-88
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	107
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	37.5	Flowing:	N
Test Drawdown Depth (ft):	55	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	915	Specific Capacity:	0
Rock Top (ft):	95		

J35
ENE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500527

WELLS:

Well ID:	47000012598	Permit #:	Not Reported
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	WIRTH, MELVIN	Well Depth (ft):	151
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	26-APR-78
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	110
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	65	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	880	Specific Capacity:	0
Rock Top (ft):	101		

**36
SW
1/2 - 1 Mile
Higher**

MI WELLS MI600000526995

WELLS:

Well ID:	47000041638	Permit #:	Not Reported
Owner:	WITT BUILDING CO	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0819	Drill Method:	ROTARY
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:	N
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
1/2 - 1 Mile
Higher**

MI WELLS MI600000516155

WELLS:

Well ID:	47000030173	Permit #:	2012-00370
Owner:	RODNEY ROWSE	Well Depth (ft):	54
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	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
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth (ft):	54	Test Hours:	2
Test Rate:	25	Test Method:	AIR

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

**38
ENE
1/2 - 1 Mile
Higher**

MI WELLS MI600000505980

WELLS:

Well ID:	47000018490	Permit #:	00-0170 RW
Owner:	MIKE TARTAGLIS	Well Depth (ft):	118
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0027	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	22-FEB-00
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	113
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	42	Flowing:	N
Test Drawdown Depth (ft):	70	Test 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
1/2 - 1 Mile
Higher**

MI WELLS MI600000500424

WELLS:

Well ID:	47000012489	Permit #:	Not Reported
Owner:	ERICKSON, JOHN	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	28-JUN-90
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:	N
Test Drawdown Depth (ft):	0	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	915	Specific Capacity:	0
Rock Top (ft):	0		

**L40
WNW
1/2 - 1 Mile
Higher**

MI WELLS MI600000519838

WELLS:

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	47000034321	Permit #:	2019-00222
Owner:	Keith Gordon	Well Depth (ft):	158
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	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:	N
Test Drawdown Depth (ft):	158	Test Hours:	1
Test Rate:	100	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	91		

J41
East
1/2 - 1 Mile
Higher

MI WELLS MI600000525929

WELLS:

Well ID:	47000040552	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 #:	0	Well #:	Not Reported
Driller ID:	47-1924	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19-OCT-98
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	56	Screen End Depth (ft):	60
Static Water Level (ft):	8	Flowing:	N
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		

L42
WNW
1/2 - 1 Mile
Higher

MI WELLS MI600000526111

WELLS:

Well ID:	47000040740	Permit #:	96-1793NW
Owner:	DENNIS RODDENBERG	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	06-NOV-96
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

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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
1/2 - 1 Mile
Higher

MI WELLS MI6000000527249

WELLS:

Well ID:	47000041902	Permit #:	98-1274NW
Owner:	PIERON BLDG	Well Depth (ft):	117
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	03-NOV-98
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):	35	Flowing:	N
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):	78		

M44
NE
1/2 - 1 Mile
Higher

MI WELLS MI6000000519882

WELLS:

Well ID:	47000034371	Permit #:	WEL2020-00007
Owner:	PHYLLIS MISENAR	Well Depth (ft):	102
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	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:	N
Test Drawdown Depth (ft):	102	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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

M45
NE
1/2 - 1 Mile
Higher

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
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	N
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
Higher

MI WELLS MI600000500400

WELLS:

Well ID:	47000012465	Permit #:	Not Reported
Owner:	BRICKER, JACK	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	78-1213	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	21-JUL-77
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	96
Screen Start Depth (ft):	96	Screen End Depth (ft):	100
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth (ft):	55	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	905	Specific Capacity:	0
Rock Top (ft):	0		

M47
NE
1/2 - 1 Mile
Higher

MI WELLS MI600000500398

WELLS:

Well ID:	47000012463	Permit #:	Not Reported
Owner:	WROBLEWSKI, MICHAEL	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported

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Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	81-1586	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19-OCT-78
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	86
Screen Start Depth (ft):	81	Screen End Depth (ft):	86
Static Water Level (ft):	27	Flowing:	N
Test Drawdown Depth (ft):	29	Test Hours:	2
Test Rate:	12	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	900	Specific Capacity:	0
Rock Top (ft):	0		

N48
South
1/2 - 1 Mile
Higher

MI WELLS MI600000500529

WELLS:

Well ID:	47000012600	Permit #:	Not Reported
Owner:	NOBLE, RAY	Well Depth (ft):	102
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1854	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	11-DEC-89
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	98
Screen Start Depth (ft):	98	Screen End Depth (ft):	102
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	40	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	903	Specific Capacity:	0
Rock Top (ft):	0		

K49
SSW
1/2 - 1 Mile
Higher

MI WELLS MI600000527244

WELLS:

Well ID:	47000041897	Permit #:	95-1270NW
Owner:	B.D.DONOVAN	Well Depth (ft):	85
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20-NOV-95
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	81	Screen End Depth (ft):	85
Static Water Level (ft):	42	Flowing:	N
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Rock Top (ft): 0

K50
SSW
1/2 - 1 Mile
Higher

MI WELLS MI6000000527140

WELLS:

Well ID:	47000041788	Permit #:	95-1270NW
Owner:	B.D. DONOVAN	Well Depth (ft):	138
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	15-DEC-95
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	134	Screen End Depth (ft):	138
Static Water Level (ft):	42	Flowing:	N
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		

O51
ESE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500530

WELLS:

Well ID:	47000012602	Permit #:	Not Reported
Owner:	JOHNSON, CLIFF	Well Depth (ft):	130
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	18-AUG-71
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	90
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	890	Specific Capacity:	0
Rock Top (ft):	82		

L52
WNW
1/2 - 1 Mile
Higher

MI WELLS MI6000000500421

WELLS:

Well ID:	47000012486	Permit #:	Not Reported
Owner:	HAMILTON, SAMUEL	Well Depth (ft):	145

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	25-1947	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20-JUL-90
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	111
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth (ft):	80	Test Hours:	1
Test Rate:	25	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	915	Specific Capacity:	0
Rock Top (ft):	100		

**53
SW
1/2 - 1 Mile
Higher**

MI WELLS MI6000000500494

WELLS:

Well ID:	47000012565	Permit #:	Not Reported
Owner:	BIELOUS, EUGENE	Well Depth (ft):	30
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	22-JUL-67
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	2	Case Depth (ft):	27.5
Screen Start Depth (ft):	27.5	Screen End Depth (ft):	30
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	1
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	920	Specific Capacity:	0
Rock Top (ft):	0		

**P54
ENE
1/2 - 1 Mile
Higher**

MI WELLS MI6000000508836

WELLS:

Well ID:	47000021418	Permit #:	Not Reported
Owner:	CRAIG DOUGLAS	Well Depth (ft):	58
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1833	Drill Method:	ROTARY
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
Screen Start Depth (ft):	52	Screen End Depth (ft):	58
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth (ft):	50	Test Hours:	2
Test Rate:	15	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

P55
ENE
1/2 - 1 Mile
Higher

MI WELLS MI600000500401

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 #:	0	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:	N
Test Drawdown Depth (ft):	0	Test Hours:	4.5
Test Rate:	7	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	912	Specific Capacity:	0
Rock Top (ft):	113		

56
ESE
1/2 - 1 Mile
Higher

MI WELLS MI600000527251

WELLS:

Well ID:	47000041904	Permit #:	96-1927NW
Owner:	CULEN BUILDERS	Well Depth (ft):	107
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1833	Drill Method:	ROTARY
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):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	38	Flowing:	N
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):	71		

Q57
ENE
1/2 - 1 Mile
Higher

MI WELLS MI600000500399

WELLS:

Well ID:	47000012464	Permit #:	Not Reported
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	GOLM, GORDON	Well Depth (ft):	148
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	20-AUG-69
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	120
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	90	Test Hours:	0
Test Rate:	10	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	900	Specific Capacity:	0
Rock Top (ft):	0		

N58
South
1/2 - 1 Mile
Higher

MI WELLS MI600000527245

WELLS:

Well ID:	47000041898	Permit #:	95-0350NW
Owner:	EBI INCORPORATED	Well Depth (ft):	93
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
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):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	28	Flowing:	N
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):	88		

P59
ENE
1/2 - 1 Mile
Higher

MI WELLS MI600000526033

WELLS:

Well ID:	47000040657	Permit #:	91-1219R
Owner:	MR MOULES	Well Depth (ft):	154
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19-AUG-91
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):	39	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Grouted:	U	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	105		

Q60
ENE
1/2 - 1 Mile
Higher

MI WELLS MI600000527181

WELLS:

Well ID:	47000041832	Permit #:	Not Reported
Owner:	EMERSON & JOYCE BALLMER	Well Depth (ft):	135
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1023	Drill Method:	Other
Other Method Info:	CABLE TOOL & BORED	Construction Date:	13-DEC-71
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):	27	Flowing:	N
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		

R61
South
1/2 - 1 Mile
Higher

MI WELLS MI600000500511

WELLS:

Well ID:	47000012582	Permit #:	Not Reported
Owner:	HOEKSTRA, PETER	Well Depth (ft):	77
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
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):	4	Case Depth (ft):	73
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth (ft):	50	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	882	Specific Capacity:	0
Rock Top (ft):	0		

S62
East
1/2 - 1 Mile
Lower

MI WELLS MI600000526021

WELLS:

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	47000040645	Permit #:	Not Reported
Owner:	PLEASANT VALLEY BAPTIST CHURCH	Well Type:	Household
Well Depth (ft):	180	Well Status:	Active
Other Type Info:	Not Reported	Water Supply Serial #:	0
Other Status Info:	Not Reported	Driller ID:	47-1607
Well #:	Not Reported	Other Method Info:	Not Reported
Drill Method:	ROTARY	Case Type:	Unknown
Construction Date:	04-MAR-93	Case Diameter (in):	0
Other Casing Info:	Not Reported	Screen Start Depth (ft):	0
Case Depth (ft):	0	Static Water Level (ft):	20
Screen End Depth (ft):	0	Test Drawdown Depth (ft):	0
Flowing:	N	Test Rate:	0
Test Hours:	0	Well Grouted:	U
Test Method:	UNK	Elevation (ft):	0
Pump Capacity (gpm):	0	Rock Top (ft):	80
Specific Capacity:	0		

**63
NW
1/2 - 1 Mile
Higher**

MI WELLS MI600000526204

WELLS:

Well ID:	47000040833	Permit #:	95-0619NW
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 #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	14-SEP-95
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	49	Screen End Depth (ft):	53
Static Water Level (ft):	30	Flowing:	N
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		

**T64
ENE
1/2 - 1 Mile
Higher**

MI WELLS MI600000500412

WELLS:

Well ID:	47000012477	Permit #:	Not Reported
Owner:	HOFFMEYER, JACK	Well Depth (ft):	147
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	01-APR-68
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	915	Specific Capacity:	0
Rock Top (ft):	0		

**U65
SSW
1/2 - 1 Mile
Higher**

MI WELLS MI6000000527243

WELLS:

Well ID:	47000041896	Permit #:	95-0530NW
Owner:	B.D. DONOVAN	Well Depth (ft):	45
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
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):	0
Screen Start Depth (ft):	41	Screen End Depth (ft):	44
Static Water Level (ft):	15	Flowing:	N
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		

**O66
ESE
1/2 - 1 Mile
Higher**

MI WELLS MI6000000500518

WELLS:

Well ID:	47000012589	Permit #:	Not Reported
Owner:	NASH, CLYDE	Well Depth (ft):	120
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	21-AUG-69
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	95.5
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth (ft):	25	Test Hours:	0
Test Rate:	25	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	890	Specific Capacity:	0
Rock Top (ft):	85		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

67
North
1/2 - 1 Mile
Lower

MI WELLS MI600000500402

WELLS:

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 #:	0	Well #:	Not Reported
Driller ID:	47-0026	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):	4	Case Depth (ft):	59
Screen Start Depth (ft):	59	Screen End Depth (ft):	63
Static Water Level (ft):	12	Flowing:	N
Test Drawdown Depth (ft):	40	Test Hours:	1.5
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	870	Specific Capacity:	0
Rock Top (ft):	0		

R68
SSE
1/2 - 1 Mile
Lower

MI WELLS MI600000500532

WELLS:

Well ID:	47000012604	Permit #:	Not Reported
Owner:	BIRDSONG, KEVIN	Well Depth (ft):	43
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1833	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	24-SEP-88
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	39
Screen Start Depth (ft):	39	Screen End Depth (ft):	43
Static Water Level (ft):	6	Flowing:	N
Test Drawdown Depth (ft):	20	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	877	Specific Capacity:	0
Rock Top (ft):	0		

V69
NNE
1/2 - 1 Mile
Higher

MI WELLS MI600000500403

WELLS:

Well ID:	47000012468	Permit #:	Not Reported
Owner:	KESKI, ERIC	Well Depth (ft):	70
Well Type:	Household	Other Type Info:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	02-JAN-89
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	70
Screen Start Depth (ft):	66	Screen End Depth (ft):	70
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth (ft):	35	Test Hours:	0
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	892	Specific Capacity:	0
Rock Top (ft):	0		

S70
East
1/2 - 1 Mile
Higher

MI WELLS MI600000508199

WELLS:

Well ID:	47000020771	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 #:	0	Well #:	Not Reported
Driller ID:	47-2269	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	07-SEP-01
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	87
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth (ft):	158	Test Hours:	1.5
Test Rate:	10	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	60		

U71
SSW
1/2 - 1 Mile
Higher

MI WELLS MI600000527242

WELLS:

Well ID:	47000041895	Permit #:	95-0457NW
Owner:	B.D. DONOVAN	Well Depth (ft):	129
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
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):	0
Screen Start Depth (ft):	125	Screen End Depth (ft):	129
Static Water Level (ft):	51	Flowing:	N
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Rock Top (ft): 0

W72
South
1/2 - 1 Mile
Higher

MI WELLS MI600000500513

WELLS:

Well ID:	47000012584	Permit #:	Not Reported
Owner:	JOHNSON, MILTON	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1854	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	26-APR-86
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	96
Screen Start Depth (ft):	96	Screen End Depth (ft):	100
Static Water Level (ft):	22	Flowing:	N
Test Drawdown Depth (ft):	60	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	900	Specific Capacity:	0
Rock Top (ft):	0		

73
SE
1/2 - 1 Mile
Higher

MI WELLS MI600000527237

WELLS:

Well ID:	47000041889	Permit #:	Not Reported
Owner:	DALE BADER	Well Depth (ft):	78
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-2072	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	03-SEP-91
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:	N
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		

V74
NNE
1/2 - 1 Mile
Higher

MI WELLS MI600000500409

WELLS:

Well ID:	47000012474	Permit #:	Not Reported
Owner:	WOJNAR, FREDERICK	Well Depth (ft):	58

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	67-1854	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	18-NOV-86
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	54
Screen Start Depth (ft):	54	Screen End Depth (ft):	58
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	45	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	902	Specific Capacity:	0
Rock Top (ft):	0		

T75
ENE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500406

WELLS:

Well ID:	47000012471	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
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	23-DEC-87
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	125
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth (ft):	120	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	910	Specific Capacity:	0
Rock Top (ft):	120		

R76
South
1/2 - 1 Mile
Higher

MI WELLS MI6000000500514

WELLS:

Well ID:	47000012585	Permit #:	Not Reported
Owner:	FERRY, HERBERT	Well Depth (ft):	95
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1854	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	26-APR-86
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	91
Screen Start Depth (ft):	91	Screen End Depth (ft):	95
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	60	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

W77
South
1/2 - 1 Mile
Higher

MI WELLS MI6000000500526

WELLS:

Well ID:	47000012597	Permit #:	Not Reported
Owner:	SCHLAGER, CARL	Well Depth (ft):	91
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1854	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	16-AUG-89
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	87
Screen Start Depth (ft):	87	Screen End Depth (ft):	91
Static Water Level (ft):	35	Flowing:	N
Test Drawdown Depth (ft):	2	Test Hours:	16
Test Rate:	0	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	903	Specific Capacity:	0
Rock Top (ft):	0		

X78
West
1/2 - 1 Mile
Higher

MI WELLS MI6000000500501

WELLS:

Well ID:	47000012572	Permit #:	Not Reported
Owner:	COBB, RANDALL	Well Depth (ft):	149
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	05-DEC-89
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	145
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	42	Flowing:	N
Test Drawdown Depth (ft):	70	Test Hours:	1
Test Rate:	18	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	921	Specific Capacity:	0
Rock Top (ft):	0		

79
NE
1/2 - 1 Mile
Higher

MI WELLS MI6000000506524

WELLS:

Well ID:	47000019055	Permit #:	99-2256NW
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	MIKE ONDERCHANIN	Well Depth (ft):	64
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0027	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	21-SEP-00
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	59
Screen Start Depth (ft):	59	Screen End Depth (ft):	64
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth (ft):	62	Test Hours:	4
Test Rate:	15	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	15
Elevation (ft):	0	Specific Capacity:	.24193548
Rock Top (ft):	0		

Y80
East
1/2 - 1 Mile
Higher

MI WELLS MI6000000500533

WELLS:

Well ID:	47000012605	Permit #:	Not Reported
Owner:	PLEASANT VALLEY BAPTIST CHURCH	Well Type:	Household
Well Depth (ft):	127	Well Status:	Active
Other Type Info:	Not Reported	Water Supply Serial #:	0
Other Status Info:	Not Reported	Driller ID:	47-0994
Well #:	Not Reported	Other Method Info:	Not Reported
Drill Method:	Cable Tool	Case Type:	Unknown
Construction Date:	02-NOV-76	Case Diameter (in):	4
Other Casing Info:	Not Reported	Screen Start Depth (ft):	0
Case Depth (ft):	115	Static Water Level (ft):	50
Screen End Depth (ft):	0	Test Drawdown Depth (ft):	60
Flowing:	N	Test Rate:	15
Test Hours:	2	Well Grouted:	Y
Test Method:	UNK	Elevation (ft):	880
Pump Capacity (gpm):	0	Rock Top (ft):	98
Specific Capacity:	0		

81
NNW
1/2 - 1 Mile
Lower

MI WELLS MI6000000500410

WELLS:

Well ID:	47000012475	Permit #:	Not Reported
Owner:	KULASZEWSKI, ROBERT	Well Depth (ft):	69
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	06-FEB-91
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
Static Water Level (ft):	5	Flowing:	N
Test Drawdown Depth (ft):	69	Test Hours:	2
Test Rate:	10	Test Method:	UNK

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

82
SSW
1/2 - 1 Mile
Higher

MI WELLS MI600000512701

WELLS:

Well ID:	47000025767	Permit #:	2005-00746
Owner:	LIVINGSTON COUNTY AIRPORT	Well Depth (ft):	503
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	13-1593	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19-AUG-05
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	8	Case Depth (ft):	140
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	56	Flowing:	N
Test Drawdown Depth (ft):	135	Test Hours:	1
Test Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	332		

Y83
East
1/2 - 1 Mile
Higher

MI WELLS MI600000527250

WELLS:

Well ID:	47000041903	Permit #:	99-1705RW
Owner:	DON L	Well Depth (ft):	139
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1833	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	09-SEP-99
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):	42	Flowing:	N
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):	90		

84
East
1/2 - 1 Mile
Higher

MI WELLS MI600000527234

WELLS:

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	47000041886	Permit #:	Not Reported
Owner:	GARY LAMBERT	Well Depth (ft):	138
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1296	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	10-NOV-92
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):	21	Flowing:	N
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
Higher

MI WELLS MI6000000500503

WELLS:

Well ID:	47000012574	Permit #:	Not Reported
Owner:	HASSINGER, PAUL	Well Depth (ft):	53
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	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):	2	Case Depth (ft):	50
Screen Start Depth (ft):	50	Screen End Depth (ft):	53
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth (ft):	10	Test Hours:	1
Test Rate:	20	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	933	Specific Capacity:	0
Rock Top (ft):	0		

86
SSE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500535

WELLS:

Well ID:	47000012607	Permit #:	Not Reported
Owner:	BICKER, JOHN	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0687	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	31-OCT-77
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	38
Screen Start Depth (ft):	38	Screen End Depth (ft):	42
Static Water Level (ft):	9	Flowing:	N
Test Drawdown Depth (ft):	31	Test Hours:	3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

Z87
WSW
1/2 - 1 Mile
Higher

MI WELLS MI6000000500498

WELLS:

Well ID:	47000012569	Permit #:	Not Reported
Owner:	HASSINGER, PAULINE	Well Depth (ft):	54
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1165	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	29-OCT-87
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	50
Screen Start Depth (ft):	49	Screen End Depth (ft):	54
Static Water Level (ft):	26	Flowing:	N
Test Drawdown Depth (ft):	40	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	933	Specific Capacity:	0
Rock Top (ft):	0		

88
SSW
1/2 - 1 Mile
Higher

MI WELLS MI6000000500531

WELLS:

Well ID:	47000012603	Permit #:	Not Reported
Owner:	ARKELIAN, BORIS	Well Depth (ft):	41
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0687	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	30-JUL-77
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	37
Screen Start Depth (ft):	37	Screen End Depth (ft):	41
Static Water Level (ft):	25	Flowing:	N
Test Drawdown Depth (ft):	31	Test Hours:	3
Test Rate:	20	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	921	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

W89
South
1/2 - 1 Mile
Higher

MI WELLS MI6000000500528

WELLS:

Well ID:	47000012599	Permit #:	Not Reported
Owner:	KNIGHT, LIAL	Well Depth (ft):	38
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
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
Screen Start Depth (ft):	34	Screen End Depth (ft):	38
Static Water Level (ft):	6.5	Flowing:	N
Test Drawdown Depth (ft):	21	Test Hours:	1
Test Rate:	18	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	911	Specific Capacity:	0
Rock Top (ft):	0		

AA90
South
1/2 - 1 Mile
Higher

MI WELLS MI6000000527194

WELLS:

Well ID:	47000041845	Permit #:	97-1178NW
Owner:	FRANK KORTH	Well Depth (ft):	42
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	78-2056	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	31-OCT-97
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	36	Screen End Depth (ft):	42
Static Water Level (ft):	10	Flowing:	N
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		

91
ESE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500517

WELLS:

Well ID:	47000012588	Permit #:	Not Reported
Owner:	WILLIAMS, RAY	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	15-JUN-84
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	61
Screen Start Depth (ft):	61	Screen End Depth (ft):	65
Static Water Level (ft):	1	Flowing:	N
Test Drawdown Depth (ft):	65	Test Hours:	0
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	900	Specific Capacity:	0
Rock Top (ft):	0		

**92
SW
1/2 - 1 Mile
Higher**

MI WELLS MI600000512885

WELLS:

Well ID:	47000025985	Permit #:	05-00652
Owner:	COUNTY OF LIVINGSTON	Well Depth (ft):	49
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	81-2014	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	10-OCT-05
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	39
Screen Start Depth (ft):	39	Screen End Depth (ft):	49
Static Water Level (ft):	20	Flowing:	N
Test Drawdown Depth (ft):	20	Test Hours:	2
Test Rate:	12	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

**AB93
NW
1/2 - 1 Mile
Higher**

MI WELLS MI600000526199

WELLS:

Well ID:	47000040828	Permit #:	98-1421NW
Owner:	CONCRETE CONSTRUCTION	Well Depth (ft):	67
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	15-JUL-99
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	63	Screen End Depth (ft):	67
Static Water Level (ft):	27	Flowing:	N
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Rock Top (ft): 0

**AB94
NW
1/2 - 1 Mile
Higher**

MI WELLS MI600000526201

WELLS:

Well ID:	47000040830	Permit #:	98-1421NW
Owner:	CONCRETE CONSTRUCTION	Well Depth (ft):	92
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	13-JUL-99
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):	0	Flowing:	N
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):	84		

**AB95
NW
1/2 - 1 Mile
Higher**

MI WELLS MI600000526202

WELLS:

Well ID:	47000040831	Permit #:	98-1421NW
Owner:	CONCRETE CONSTRUCTION	Well Depth (ft):	88
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	12-JUL-99
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):	0	Flowing:	N
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):	80		

**X96
West
1/2 - 1 Mile
Higher**

MI WELLS MI600000526992

WELLS:

Well ID:	47000041635	Permit #:	92-0745N
Owner:	DANIEL BONELLO	Well Depth (ft):	187

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Type III Public	Other Type Info:	Not Reported
Well Status:	Active	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:	24-FEB-93
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):	50	Flowing:	N
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		

97
ESE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500515

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
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0994	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	06-MAY-80
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	114
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	48	Flowing:	N
Test Drawdown Depth (ft):	80	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	909	Specific Capacity:	0
Rock Top (ft):	87		

98
NE
1/2 - 1 Mile
Higher

MI WELLS MI6000000512993

WELLS:

Well ID:	47000026113	Permit #:	2005-00420
Owner:	MIKE JACKSON	Well Depth (ft):	70
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1833	Drill Method:	ROTARY
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
Screen Start Depth (ft):	64	Screen End Depth (ft):	70
Static Water Level (ft):	38	Flowing:	N
Test Drawdown Depth (ft):	50	Test Hours:	1
Test Rate:	40	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

AC99
WSW
1/2 - 1 Mile
Higher

MI WELLS MI6000000526949

WELLS:

Well ID:	47000041591	Permit #:	96-1870NW
Owner:	DAVE GRISSOM	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	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:	02-JAN-97
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	47	Screen End Depth (ft):	57
Static Water Level (ft):	15	Flowing:	N
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		

AA100
South
1/2 - 1 Mile
Higher

MI WELLS MI6000000527187

WELLS:

Well ID:	47000041838	Permit #:	Not Reported
Owner:	FRANK W KORTH	Well Depth (ft):	92
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	05-APR-73
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	88	Screen End Depth (ft):	92
Static Water Level (ft):	10	Flowing:	N
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		

AD101
WSW
1/2 - 1 Mile
Higher

MI WELLS MI6000000526958

WELLS:

Well ID:	47000041600	Permit #:	97-1886NW
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	MIKE WALLACE	Well Depth (ft):	71
Well Type:	Other	Other Type Info:	HOUSEHOLD & IRRIGATION
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	19-JAN-98
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	67	Screen End Depth (ft):	71
Static Water Level (ft):	10	Flowing:	N
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
East
1/2 - 1 Mile
Higher

MI WELLS MI600000500558

WELLS:

Well ID:	47000012630	Permit #:	Not Reported
Owner:	GCT INVESTORS	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	23-MAY-74
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	96
Screen Start Depth (ft):	96	Screen End Depth (ft):	100
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	50	Test Hours:	1.5
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	903	Specific Capacity:	0
Rock Top (ft):	0		

AE103
North
1/2 - 1 Mile
Lower

MI WELLS MI600000526030

WELLS:

Well ID:	47000040654	Permit #:	93-586N
Owner:	EBI INCORPORATED	Well Depth (ft):	68
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	06-JUL-93
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	64	Screen End Depth (ft):	68
Static Water Level (ft):	5.5	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

AF104
WNW
1/2 - 1 Mile
Higher

MI WELLS MI600000526206

WELLS:

Well ID:	47000040835	Permit #:	Not Reported
Owner:	TONY KILLIN	Well Depth (ft):	140
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0994	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	12-APR-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):	30	Flowing:	N
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):	84		

AD105
WSW
1/2 - 1 Mile
Higher

MI WELLS MI600000500492

WELLS:

Well ID:	47000012563	Permit #:	Not Reported
Owner:	CONLIN, STEVE	Well Depth (ft):	61
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
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):	4	Case Depth (ft):	57
Screen Start Depth (ft):	57	Screen End Depth (ft):	61
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth (ft):	35	Test Hours:	2.5
Test Rate:	30	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	932	Specific Capacity:	0
Rock Top (ft):	0		

AC106
WSW
1/2 - 1 Mile
Higher

MI WELLS MI600000512994

WELLS:

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	47000026114	Permit #:	2004-01397
Owner:	PAUL HUHTA	Well Depth (ft):	35
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	01-NOV-05
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	31
Screen Start Depth (ft):	31	Screen End Depth (ft):	35
Static Water Level (ft):	17	Flowing:	N
Test Drawdown Depth (ft):	35	Test Hours:	1
Test Rate:	16	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	932	Specific Capacity:	0
Rock Top (ft):	0		

**107
SSW
1/2 - 1 Mile
Higher**

MI WELLS MI600000529662

WELLS:

Well ID:	47000044326	Permit #:	Not Reported
Owner:	ROBERT TORVINEN	Well Depth (ft):	118
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1802	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	01-SEP-91
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):	45	Flowing:	N
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):	109		

**AE108
North
1/2 - 1 Mile
Lower**

MI WELLS MI600000526017

WELLS:

Well ID:	47000040641	Permit #:	92-1743N
Owner:	ROBERT HOWE	Well Depth (ft):	88
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	28-AUG-93
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	82	Screen End Depth (ft):	88
Static Water Level (ft):	4	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

109
East
1/2 - 1 Mile
Higher

MI WELLS MI600000527376

WELLS:

Well ID:	47000042030	Permit #:	96-2051NW
Owner:	UNIQUE STYLE HOME BUILDERS INC		
Well Depth (ft):	91	Well Type:	Household
Other Type Info:	Not Reported	Well Status:	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:	19-FEB-97	Case Type:	Unknown
Other Casing Info:	Not Reported	Case Diameter (in):	0
Case Depth (ft):	0	Screen Start Depth (ft):	84
Screen End Depth (ft):	91	Static Water Level (ft):	30
Flowing:	N	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

AG110
West
1/2 - 1 Mile
Higher

MI WELLS MI600000500423

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 #:	0	Well #:	Not Reported
Driller ID:	47-0027	Drill Method:	Cable Tool
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
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	50	Flowing:	N
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

111
NNE
1/2 - 1 Mile
Higher

MI WELLS MI600000500408

WELLS:

Well ID:	47000012473	Permit #:	Not Reported
Owner:	STANEK, KIMM	Well Depth (ft):	66
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0994	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):	4	Case Depth (ft):	62
Screen Start Depth (ft):	62	Screen End Depth (ft):	66
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	45	Test Hours:	2
Test Rate:	12	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	913	Specific Capacity:	0
Rock Top (ft):	0		

112
SE
1/2 - 1 Mile
Higher

MI WELLS MI600000510533

WELLS:

Well ID:	47000023297	Permit #:	2003-00402
Owner:	DANIEL SEE	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	63-2125	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	29-SEP-03
Case Type:	PVC Plastic	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:	N
Test Drawdown Depth (ft):	100	Test Hours:	1
Test Rate:	15	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

113
WNW
1/2 - 1 Mile
Higher

MI WELLS MI600000500428

WELLS:

Well ID:	47000012493	Permit #:	Not Reported
Owner:	PICKERING, LAWRENCE	Well Depth (ft):	61
Well Type:	Household	Other Type Info:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	16-JAN-73
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	56
Screen Start Depth (ft):	57	Screen End Depth (ft):	61
Static Water Level (ft):	5	Flowing:	N
Test Drawdown Depth (ft):	40	Test Hours:	0
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	910	Specific Capacity:	0
Rock Top (ft):	0		

AH114
SE
1/2 - 1 Mile
Higher

MI WELLS MI600000527203

WELLS:

Well ID:	47000041854	Permit #:	98-0339NW
Owner:	MARK PELLEGRINO	Well Depth (ft):	60
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	15-JUN-98
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	56	Screen End Depth (ft):	60
Static Water Level (ft):	19	Flowing:	N
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		

AI115
NW
1/2 - 1 Mile
Higher

MI WELLS MI600000524885

WELLS:

Well ID:	47000039486	Permit #:	Not Reported
Owner:	MIKE FOLEY	Well Depth (ft):	117
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
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 Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	24	Flowing:	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Rock Top (ft): 69

AJ116
WSW
1/2 - 1 Mile
Higher

MI WELLS MI600000526944

WELLS:

Well ID:	47000041586	Permit #:	99-0020NW
Owner:	DALE & PAM BADER	Well Depth (ft):	57
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1934	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	11-JUN-99
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	57	Screen End Depth (ft):	58
Static Water Level (ft):	23	Flowing:	N
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		

AG117
West
1/2 - 1 Mile
Higher

MI WELLS MI600000526198

WELLS:

Well ID:	47000040827	Permit #:	Not Reported
Owner:	STEVE PRYSLAK	Well Depth (ft):	118
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1802	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	28-OCT-89
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):	0	Flowing:	N
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):	86		

AJ118
West
1/2 - 1 Mile
Higher

MI WELLS MI600000514327

WELLS:

Well ID:	47000027829	Permit #:	2007-00370
Owner:	DALE & LINDA BADER	Well Depth (ft):	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1296	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	14-SEP-07
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	36
Screen Start Depth (ft):	36	Screen End Depth (ft):	41
Static Water Level (ft):	7	Flowing:	N
Test Drawdown Depth (ft):	25	Test Hours:	2
Test Rate:	50	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	18
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

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

MI WELLS MI6000000500430

WELLS:

Well ID:	47000012495	Permit #:	Not Reported
Owner:	SCHNEIDEWIND, GLENN	Well Depth (ft):	65
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	24-JUL-79
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	58
Screen Start Depth (ft):	58	Screen End Depth (ft):	62
Static Water Level (ft):	7	Flowing:	N
Test Drawdown Depth (ft):	62	Test Hours:	0
Test Rate:	25	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	902	Specific Capacity:	0
Rock Top (ft):	0		

**120
ENE
1/2 - 1 Mile
Higher**

MI WELLS MI6000000525774

WELLS:

Well ID:	47000040393	Permit #:	Not Reported
Owner:	J.T. KELLY CUSTOM HOMES	Well Depth (ft):	55
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0413	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	18-NOV-91
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	51	Screen End Depth (ft):	55
Static Water Level (ft):	18	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	U	Pump Capacity (gpm):	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

AK121
WSW
1/2 - 1 Mile
Higher

MI WELLS MI6000000505373

WELLS:

Well ID:	47000017591	Permit #:	99-0110NW
Owner:	Betty Ingram	Well Depth (ft):	50
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Unknown	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	81-1516	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	08-JUL-99
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	46
Screen Start Depth (ft):	46	Screen End Depth (ft):	50
Static Water Level (ft):	14	Flowing:	N
Test Drawdown Depth (ft):	16	Test Hours:	3
Test Rate:	15	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	12
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AI122
NW
1/2 - 1 Mile
Higher

MI WELLS MI6000000520573

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:	N
Test Drawdown Depth (ft):	177	Test Hours:	1
Test Rate:	2	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	92		

123
South
1/2 - 1 Mile
Higher

MI WELLS MI6000000500706

WELLS:

Well ID:	47000012780	Permit #:	Not Reported
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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 #:	0	Well #:	Not Reported
Driller ID:	47-0832	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	12-SEP-74
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	73
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth (ft):	10	Test Hours:	2
Test Rate:	30	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	881	Specific Capacity:	0
Rock Top (ft):	0		

**124
ESE
1/2 - 1 Mile
Higher**

MI WELLS MI600000500548

WELLS:

Well ID:	47000012620	Permit #:	Not Reported
Owner:	SHEARER, DOUGLAS	Well Depth (ft):	215
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0994	Drill Method:	ROTARY
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:	N
Test Drawdown Depth (ft):	110	Test Hours:	2
Test Rate:	10	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	901	Specific Capacity:	0
Rock Top (ft):	138		

**125
WNW
1/2 - 1 Mile
Higher**

MI WELLS MI600000507144

WELLS:

Well ID:	47000019698	Permit #:	00-1383NW
Owner:	LIVINGSTON BLDRS	Well Depth (ft):	33
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	06-MAR-01
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	29
Screen Start Depth (ft):	29	Screen End Depth (ft):	33
Static Water Level (ft):	11	Flowing:	N
Test Drawdown Depth (ft):	33	Test Hours:	1
Test Rate:	40	Test Method:	AIR

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

AL126
ESE
1/2 - 1 Mile
Higher

MI WELLS MI600000527389

WELLS:

Well ID:	47000042043	Permit #:	95-1874NW
Owner:	MIKE ROSEMAN	Well Depth (ft):	36
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	17-SEP-96
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	32	Screen End Depth (ft):	36
Static Water Level (ft):	13	Flowing:	N
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		

AL127
ESE
1/2 - 1 Mile
Higher

MI WELLS MI600000527394

WELLS:

Well ID:	47000042048	Permit #:	96-1874NW
Owner:	MIKE ROSEMAN	Well Depth (ft):	152
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1580	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	10-SEP-96
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):	34	Flowing:	N
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):	131		

AI128
NW
1/2 - 1 Mile
Higher

MI WELLS MI600000520574

WELLS:

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	47000035115	Permit #:	2020-00461
Owner:	Poloski Construction	Well Depth (ft):	94
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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):	86
Screen Start Depth (ft):	86	Screen End Depth (ft):	94
Static Water Level (ft):	34	Flowing:	N
Test Drawdown Depth (ft):	94	Test Hours:	1
Test Rate:	15	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

129
South
1/2 - 1 Mile
Higher

MI WELLS MI6000000500704

WELLS:

Well ID:	47000012778	Permit #:	Not Reported
Owner:	POPEK, PETER	Well Depth (ft):	86
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	01-JUN-68
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	82
Screen Start Depth (ft):	82	Screen End Depth (ft):	86
Static Water Level (ft):	31	Flowing:	N
Test Drawdown Depth (ft):	45	Test Hours:	2
Test Rate:	12	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	920	Specific Capacity:	0
Rock Top (ft):	0		

130
NE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500413

WELLS:

Well ID:	47000012478	Permit #:	Not Reported
Owner:	LAITURI, VERN	Well Depth (ft):	120
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0832	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	25-JUL-75
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	109
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	999.99	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
1/2 - 1 Mile
Higher

MI WELLS MI600000500495

WELLS:

Well ID:	47000012566	Permit #:	Not Reported
Owner:	RIC HTER, FRED	Well Depth (ft):	150
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0026	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	30-SEP-70
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	113
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	21	Flowing:	N
Test Drawdown Depth (ft):	100	Test Hours:	0
Test Rate:	20	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	928	Specific Capacity:	0
Rock Top (ft):	89		

AM132
NE
1/2 - 1 Mile
Higher

MI WELLS MI600000525675

WELLS:

Well ID:	47000040294	Permit #:	Not Reported
Owner:	BRIAN BALANSKI	Well Depth (ft):	97
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0687	Drill Method:	ROTARY
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):	0
Screen Start Depth (ft):	89	Screen End Depth (ft):	97
Static Water Level (ft):	40	Flowing:	N
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AN133
NNE
1/2 - 1 Mile
Higher

MI WELLS MI600000526026

WELLS:

Well ID:	47000040650	Permit #:	Not Reported
Owner:	TOM O'CONNELL	Well Depth (ft):	145
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0418	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	12-MAR-93
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):	50	Flowing:	N
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
1/2 - 1 Mile
Higher

MI WELLS MI600000525938

WELLS:

Well ID:	47000040561	Permit #:	Not Reported
Owner:	TOM O'CONNELL	Well Depth (ft):	81
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0418	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	31-AUG-94
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:	N
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):	70		

AH135
SE
1/2 - 1 Mile
Higher

MI WELLS MI600000527248

WELLS:

Well ID:	47000041901	Permit #:	98-0467NW
Owner:	RICK TINCU	Well Depth (ft):	92
Well Type:	Household	Other Type Info:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-2253	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	13-OCT-98
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	87	Screen End Depth (ft):	92
Static Water Level (ft):	12	Flowing:	N
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		

AI136
NW
1/2 - 1 Mile
Higher

MI WELLS MI600000520571

WELLS:

Well ID:	47000035112	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:	05-MAY-21
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	110
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	56	Flowing:	N
Test Drawdown Depth (ft):	177	Test Hours:	1
Test Rate:	2	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	100		

AK137
WSW
1/2 - 1 Mile
Higher

MI WELLS MI600000527236

WELLS:

Well ID:	47000041888	Permit #:	93-206N
Owner:	DALE BADER	Well Depth (ft):	59
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
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):	0
Screen Start Depth (ft):	54	Screen End Depth (ft):	59
Static Water Level (ft):	8	Flowing:	N
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Rock Top (ft): 0

AO138
NE
1/2 - 1 Mile
Higher

MI WELLS MI6000000506510

WELLS:

Well ID:	47000019035	Permit #:	00-1729RW
Owner:	MARY SUE DUNHAM	Well Depth (ft):	112
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1296	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	26-SEP-00
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	102
Screen Start Depth (ft):	102	Screen End Depth (ft):	112
Static Water Level (ft):	30	Flowing:	N
Test Drawdown Depth (ft):	90	Test Hours:	2
Test Rate:	25	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	92		

AI139
NW
1/2 - 1 Mile
Higher

MI WELLS MI6000000520572

WELLS:

Well ID:	47000035113	Permit #:	2020-00461
Owner:	Poloski Construction	Well Depth (ft):	50
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:	07-MAY-21
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	45
Screen Start Depth (ft):	45	Screen End Depth (ft):	50
Static Water Level (ft):	36	Flowing:	N
Test Drawdown Depth (ft):	50	Test Hours:	1
Test Rate:	1	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

140
West
1/2 - 1 Mile
Higher

MI WELLS MI6000000500420

WELLS:

Well ID:	47000012485	Permit #:	Not Reported
Owner:	MAROUDIS, FRANK	Well Depth (ft):	120

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1236	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	30-SEP-89
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	120
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	8	Flowing:	N
Test Drawdown Depth (ft):	90	Test Hours:	2
Test Rate:	15	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	870	Specific Capacity:	0
Rock Top (ft):	85		

AN141
NNE
1/2 - 1 Mile
Higher

MI WELLS MI6000000516294

WELLS:

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
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-2072	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	10-JUN-13
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	8	Case Depth (ft):	110
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	43	Flowing:	N
Test Drawdown Depth (ft):	75	Test Hours:	2
Test Rate:	100	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	100
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	103		

142
WNW
1/2 - 1 Mile
Higher

MI WELLS MI6000000500417

WELLS:

Well ID:	47000012482	Permit #:	Not Reported
Owner:	COLVIN, JOHN	Well Depth (ft):	93
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1692	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	01-AUG-83
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	90
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	2	Flowing:	N
Test Drawdown Depth (ft):	40	Test Hours:	1
Test Rate:	15	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

AM143
NE
1/2 - 1 Mile
Higher

MI WELLS MI6000000507239

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:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	2063447	Well #:	001
Driller ID:	47-1861	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	22-MAY-01
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	90
Screen Start Depth (ft):	90	Screen End Depth (ft):	94
Static Water Level (ft):	31	Flowing:	N
Test Drawdown Depth (ft):	94	Test Hours:	1
Test Rate:	75	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	15
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

AO144
NE
1/2 - 1 Mile
Higher

MI WELLS MI6000000500348

WELLS:

Well ID:	47000012413	Permit #:	Not Reported
Owner:	BESSERT, OTTO	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1296	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	13-MAY-90
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	100
Screen Start Depth (ft):	95	Screen End Depth (ft):	100
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth (ft):	50	Test Hours:	2
Test Rate:	25	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	914	Specific Capacity:	0
Rock Top (ft):	0		

AP145
ENE
1/2 - 1 Mile
Higher

MI WELLS MI6000000525667

WELLS:

Well ID:	47000040286	Permit #:	96-0592RW
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	STEVE FRENCH	Well Depth (ft):	94
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	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:	30-MAR-99
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	84	Screen End Depth (ft):	94
Static Water Level (ft):	30	Flowing:	N
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
1/2 - 1 Mile
Higher

MI WELLS MI600000500375

WELLS:

Well ID:	47000012440	Permit #:	Not Reported
Owner:	NICHOLS, CHARLES	Well Depth (ft):	36
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-0832	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	03-SEP-74
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	32
Screen Start Depth (ft):	32	Screen End Depth (ft):	36
Static Water Level (ft):	10	Flowing:	N
Test Drawdown Depth (ft):	10	Test Hours:	2
Test Rate:	20	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	910	Specific Capacity:	0
Rock Top (ft):	0		

AP147
ENE
1/2 - 1 Mile
Higher

MI WELLS MI600000519250

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 #:	0	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
Static Water Level (ft):	40	Flowing:	N
Test Drawdown Depth (ft):	127	Test Hours:	1
Test Rate:	20	Test Method:	AIR

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

148
North
1/2 - 1 Mile
Lower

MI WELLS MI600000515921

WELLS:

Well ID:	47000029895	Permit #:	WEL2012-00206
Owner:	ARTHUR & YOLANDA RIMBOLD	Well Depth (ft):	140
Well Type:	Irrigation	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-2072	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	24-JUL-12
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	83
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	14	Flowing:	N
Test Drawdown Depth (ft):	60	Test Hours:	2
Test Rate:	60	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	69		

149
WNW
1/2 - 1 Mile
Higher

MI WELLS MI600000515053

WELLS:

Well ID:	47000028823	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 Reported
Driller ID:	47-1789	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	06-DEC-09
Case Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	86.6
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	14	Flowing:	N
Test Drawdown Depth (ft):	75	Test Hours:	24
Test Rate:	13	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	935	Specific Capacity:	.17333333
Rock Top (ft):	82		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSE
1/4 - 1/2 Mile

OIL_GAS MIOG13000044838

OIL_GAS:

API #:	21093010640000	Well #:	1
Permit #:	1064	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	1723
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	SYLVANIA	Formation 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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
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	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	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	1/29/2008		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	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			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

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	1/23/2008	2.5
48855	4/5/2004	2.4
48855	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	2.6
48855	10/17/2008	2.7
48855	1/29/2008	2.6
48855	9/2/2008	2.6
48855	2/11/2008	2.6
48855	11/11/2002	2.9
48855		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

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		3.6
48855	1/28/2008	<	0.3
48855	2/11/2008	<	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		1.7
48855	2/21/2009		1.7
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		0.8
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			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	8/18/2005	1.3
48855	5/15/2009	1.3
48855	1/23/2008	1.2
48855	4/18/2005	1.2
48855	8/30/2004	1.2
48855	2/24/2003	1.1
48855	8/17/2009	1.2
48855	1/19/2004	1.0
48855	9/15/2006	1.0
48855	9/12/2006	1.0

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

AQUIFLOW^R 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 Wellogis, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogis 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, Ottawa, 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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**EGLE**

Enforcement Actions - Perfected Lien List

Contact

Katelyn Wysocki

Wysockik@Michigan.gov

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 yellow 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 entries

Livingston

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](#)



Enforcement Actions - Perfected Lien List

Copyright State of Michigan



DISCLOSURE OF A BASELINE ENVIRONMENTAL ASSESSMENT
 (FORM EQP4446(REV.3/99))

(Under the authority of Part 201, 1994 Act 451, as amended, and the Rules promulgated thereunder)

DO NOT use this form for requesting a Baseline Environmental Assessment ("BEA") adequacy determination, OR if the property is not a facility, OR if the BEA was complete before the effective date of the BEA rules. Please answer the following questions as completely as possible.

Name and address of submitter*
 (individual or legal entity):

Mr. Tony Bashore, Mr. Manny
 Kniahynycky, Mr. Joseph Locricchio
 c/o Manton Creek, LLC
 6060 Maybee Road
 Clarkston, MI 48346

Status relative to the property:

Former Current Prospective
 Owner*
 Operator*

Address/location of property where
 BEA was conducted:

207-Acre Property
 Tooley Road
 Howell Township, Michigan

County: Livingston

Provide the property tax identification number(s) or, if applicable, the ward and item number(s) for the property identified in the BEA. Required pursuant to Rule 907.

06-22-100-001, 06-22-100-002, 06-15-300-002, 06-21-200-002, 06-21-200-005, 06-21-200-006.

Contact person: Mr. Manny Kniahynycky Telephone #: (248) 364-4611

If the address of the person seeking liability protection above is different from the address that should be used to correspond with the contact person, please provide the contact person's address:

MiK Development Consulting
 3680 Edinborough Drive
 Rochester Hills, MI 48306

Check the appropriate response to each of the following questions.

1. Is it known that the source of contamination at the property is primarily from any of the following?
- | | YES | NO |
|---|--------------------------|-------------------------------------|
| • A leaking underground storage tank (UST) regulated under Part 213, 1994 PA 451, as amended. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| • A licensed landfill or solid waste management facility. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| • A licensed hazardous waste treatment, storage, or disposal facility. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| • Oil and gas development related activities. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

The source of the release that resulted in this property becoming a "facility" will determine which DEQ division will maintain a file regarding this BEA.

2. Based on the Part 201 Rules, this BEA is a:
- | | |
|------------|-------------------------------------|
| Category N | <input checked="" type="checkbox"/> |
| Category D | <input type="checkbox"/> |
| Category S | <input type="checkbox"/> |

3. Is the property at which the BEA was conducted a "facility"* as defined by Section 20101? If the answer to this question is NO, do not submit the BEA to the DEQ.
- | | YES | NO |
|--|-------------------------------------|--------------------------|
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

4. Was the BEA conducted* prior to or within 45 days after the date of purchase*, occupancy, or foreclosure of the property, whichever is earliest, and completed* not more than 15 days after the date required by Section 20126(1)(c) or Rule 299.5903(8)? If the answer to either portion of this question is no, you are ineligible for an exemption from liability based on the BEA. YES NO
5. Is the BEA being disclosed to the DEQ no later than 8 months after the earliest of the date of purchase, occupancy, or foreclosure? All disclosures pursuant to Rule 919(3) must be submitted to the DEQ no later than 8 months after the earliest of the date of purchase, occupancy, or foreclosure. YES NO
6. Are any USTs or abandoned or discarded containers identified in the BEA? If yes, this information must be provided on Form EQP4476. YES NO
7. Does this BEA rely on an isolation zone or an engineering control that requires an affidavit pursuant to Rule 299.5909(3) or 299.5909(4)? If yes, a completed affidavit, Form EQP4479, must be attached or the BEA will not be considered complete. YES NO

With my signature below, I certify that the enclosed BEA and all related materials are complete and accurate to the best of my knowledge and belief. I understand that intentionally submitting false information to the DEQ is a felony and may result in fines up to \$25,000 for each violation.

Signature of Submitter: Manny Kniachynsky 7/14/04
 (Person legally authorized to bind the person seeking liability protection) Joseph Locrichio 7/14/04
Anthony 7/14/04
 Date

Name (Typed or Printed) Mr. Tony Bashore, Mr. Manny Kniachynsky, Mr. Joseph Locrichio
 Title Anthony
Manton Creek, LLC



Mem/site ID
477000219
- see site file (201)
Difco cabs, former
2755 Tooley Rd
201 site = 32/44



**Baseline Environmental Assessment
Conducted Pursuant to Section 20126(1)(c)
of 1994 PA 451, Part 201, as amended,
and the Rules promulgated thereunder**

207-Acre Property
Tooley Road
Howell Township, Michigan

Prepared for:

Manton Creek, LLC
c/o MiK Development & Consulting
Rochester Hills, Michigan

Prepared by:
URS Corporation
Farmington Hills, MI
URS Project #: 13647907

July 12, 2004

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1. Identification of Author and Dates Baseline Environmental Assessment was Conducted and Completed

This Baseline Environmental Assessment (BEA) was completed on behalf of Manton Creek, L.L.C. by URS Corporation (URS) of Farmington Hills, Michigan. Scott Johnson is the Project Manager with primary responsibility for the data assembly, interpretation, and technical conclusions. The BEA was initiated on May 5, 2004, and completed on July 12, 2004.

2. Introduction

Based on the review of historical documents (previous reports, aerial photographs, and topographic maps), site investigations, and site personnel interviews as documented in Sections 8 and 9 of this BEA, the subject property, consisting of approximately 207 acres of largely undeveloped wooded, wetland, and agricultural areas, appears to have been utilized primarily for agricultural, laboratory, and residential uses since as early as 1940. The 207-acre subject property is located along Tooley Road between Warner and Bowen Roads, approximately 1.0 mile north of M-59 in Howell Township, Livingston County, Michigan. A site location map is provided as Figure 1.

Difco Laboratories, a farm and research testing laboratory, encompassing approximately 3.5-acres, was formerly located in the southern central portion of the larger 207-acre subject property. The entire laboratory structure has been razed and the area has been replanted with grass and tree saplings; however, several formerly associated structures (e.g., barn, root cellar, equipment storage building, and silo) remain in various stages of disrepair. Six groundwater monitoring wells are also located in the immediate area of the former laboratory. In addition, a small residence and two barn/storage buildings are located at the northeast corner of Tooley and Warner Roads in the northeast section of the subject property.

A small farmhouse, barn, silo and root cellar comprised a small farm compound, adjacent to Tooley Road in the southern-central portion of the larger 207-acre subject property, since as early as 1940. A small underground storage tank (UST) used for fueling farm equipment was reportedly located adjacent to the former farmhouse in this area of the subject property. Difco Laboratories occupied the area of the former farm compound in the south-central portion of the subject property from the middle 1960s to the late 1980s. Difco Laboratories constructed and operated a small diagnostic research laboratory in this area (former farm compound location) of the subject property until approximately 1988. Several of the former buildings associated with the former farm and laboratory in the southern central portion of the subject property were subsequently razed; however, some dilapidated structures (storage sheds, root cellar, and silo) remain, but have not been in use since the late 1980s. Difco Laboratory's primary activity at the subject property was the production of antibiotic-impregnated paper disks in spring-loaded plastic dispensing cartridges. The remainder of the 207-acre subject property was utilized for agricultural fields since as early as 1940 to the present.

The former farm/Difco Laboratory site on the southern central portion of the subject property has remained vacant since the late 1980s, with the exception of the aforementioned dilapidated storage sheds, root cellar, and silo. The remainder of the 207-acre subject property remains largely agricultural in use. Future use of the 207-acre subject property, including the former farm compound/Difco Laboratories area, is anticipated to consist of a residential development of single-family homes, condominiums and apartments. A site plan depicting the 207-acre subject property is provided as Figure 2.

The BEA was conducted to be in conformance with the requirements of a Category N BEA, pursuant to Michigan Department of Environmental Quality (MDEQ) regulations under the

authority of Section 20126(1)(c) of 1994 PA 451, Part 201, as amended, and the Rules promulgated thereunder.

3. Property Description and Intended Hazardous Substance Use

The subject property is identified by the tax parcel identification numbers: 06-22-100-001, 06-22-100-002, 06-15-300-002, 06-21-200-002, 06-21-200-005, and 06-21-200-006.

Legal descriptions of the subject property, as obtained from the Howell Township Assessing Department, are as follows:

Part of the Southwest 1/4 of Section 15 and the Northeast 1/4 of Section 21 and the Northwest 1/4 of Section 22 all being in T3N-R4E, Howell Township, Livingston County, Michigan being more particularly described as follows: Beginning at the Southwest corner of said Section 15; thence along the East-West 1/4 line of said Section 15, N 00°41'58" W, 1550.05 feet; thence S 72°38'48" E, 415.16 feet; thence S 49°43'37" E, 520.72 feet; thence S 44°20'47" E, 771.84 feet; thence S 00°39'20" E, 535.07 feet to the South line of said Section 15, also being the North line of said Section 22; thence along said line, N 89°53'29" E, 190.10 feet; thence S 00°27'42" E, 1521.71 feet; thence S 87°16'36" W, 247.71 feet; thence S 00°28'17" E, 1129.02 feet to the East-West 1/4 line of said Section 22 and the centerline of Bowen Road (66 feet wide); thence along said line, S 89°59'07" W, 937.41 feet; thence N 00°09'59" W, 184.00 feet; thence S 89°59'08" W, 339.05 feet to the West line of said Section 22, also being the East line of said Section 21 and the centerline of Tooley Road (66 feet wide); thence along said line, N 00°10'58" W, 644.21 feet; thence N 89°59'53" W, 1315.31 feet; thence S 00°15'37" E, 828.27 feet to the East-West 1/4 line of said Section 21 and the centerline of said Bowen Road; thence along said line S 90°00'00" W, 536.20 feet; thence N 00°21'24" W, 350.00 feet; thence S 89°58'00" W, 250.07 feet; thence N 00°24'44" W, 62.53 feet; thence N 89°59'20" W, 527.87 feet to the North-South 1/4 line of said Section 21; thence along said North-South 1/4 line, N 00°21'24" W, 918.96 feet; thence S 89°53'58" E, 1316.16 feet; thence N 00°15'59" W, 1332.40 feet to the North line of said Section 21 and the centerline of Warner Road (66 feet wide); thence along said line, S 89°55'46" E, 1318.25 feet to the Northeast corner of said Section 21 and the Point of Beginning. Containing 208.12 acres more or less and subject to the rights of the public over the existing Warner Road, Bowen Road and Tooley Road, and also any other easements and restrictions of record.

The 207-acre subject property consists of predominantly undeveloped land including wooded, wetland, and agricultural areas. The subject property is located in a rural area, consisting predominantly of farmland and private residences. The former farm compound/Difco Laboratories site was previously located adjacent to Tooley Road in the southern central portion of the larger 207-acre subject property. The entire laboratory structure has been razed and the area has been replanted with grass and tree saplings. However, five structures formerly associated with the farm compound/Difco Laboratories site remain at the site that are in various stages of disrepair, including a cement silo, a burned and dilapidated barn, a dilapidated former equipment storage building, an intact former root cellar, and a dilapidated former feed storage structure.

The dilapidated structures currently remaining at the former Difco Laboratories site were apparently constructed as early as 1940, and were associated with the previously existing farm compound in this location. Past operations at the site have included the production of antibiotic-

impregnated paper disks in spring-loaded plastic dispensing cartridges at the former Difco Laboratory, and a petroleum UST associated with the former farm used for fueling farm equipment. The remaining abandoned structures at the subject property are surrounded by agricultural fields and wooded areas. (Site photographs are attached).

Mr. Richard Van Gilder is the current owner of the 207-acre subject property, in which the former farm compound/Difco Laboratory site is located. MiK Development Consulting, c/o Manton Creek, LLC, has indicated that no significant uses of hazardous substances are anticipated at the site in the future, as the site is to be developed as a residential community.

4. Known Contamination

Site Investigations

Several environmental assessments have been conducted at the former farm/Difco Laboratories site at the subject property between 1992 and 2000. URS reviewed reports and data that were provided by Swanson Environmental, Inc. (SEI) and Radian International, LLC (Radian). ENKON Environmental Service, Inc. (ENKON) conducted environmental assessments at the subject property between March and November 1992. URS was not provided a copy of the ENKON report; however, it was summarized in a 1994 Site Investigation Report, prepared by SEI. Reportedly, ENKON (1) collected and analyzed soil and groundwater samples from several locations throughout the former Difco Laboratory site and analyzed these samples for metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs), and (2) excavated drainage ditches and disposal pits formerly utilized by Difco Laboratories. SEI also prepared a Waste Disposal Pit Remediation Report in March 1996. Radian conducted a Phase I and II ESA in July 1999, and subsequently conducted a follow-up Phase II ESA/Baseline Environmental Site Assessment between May and June 2000. A summary of each investigation is provided in the following paragraphs. (Copies of these prior reports are included as attachments).

ENKON's investigations focused on the following four areas of environmental concern associated with the former Difco Laboratory site at the subject property: a former septic system leach field, a concrete pad drainage area, a stormwater retention pond, and former laboratory waste disposal pits. ENKON reportedly collected and analyzed soil and groundwater samples from several locations throughout these areas at the former Difco Laboratory site and analyzed the samples for metals, VOCs, and SVOCs. The locations of the areas investigated are depicted on Figure 3, attached.

Organic compounds (VOCs and SVOCs) were not detected in any of the identified areas of concern during ENKON's 1992 investigations; however, concentrations of arsenic and silver were reportedly detected in exceedance of the former Michigan Act 307 Type B clean-up criteria in soil samples collected from the septic system's leach field. According to the 1994 SEI report, the drain tile field and gravel associated with the former septic system leach field was subsequently removed from the subject property in October 1992 and ENKON collected five post excavation soil samples. Several of the post-excavation soil samples reportedly contained elevated concentrations of arsenic (13.6 parts per million, ppm) and selenium (190 ppm) above the former Act 307 Type B criteria. These reported concentrations exceed the current Act 451 Part 201 criteria for arsenic (direct contact, 7.6 ppm) and selenium (residential drinking water protection, 4.0 ppm). The former farm/Difco Laboratory site at the subject property previously maintained two water supply wells; however, the site has been vacant since the late 1980s and the wells are no longer utilized as a water source.

A concrete pad and associated drainage ditch was reportedly located at the southeast corner of the former laboratory building, which discharged to a storm water retention pond located in the southeast corner of former Difco Laboratory site, approximately 250 feet to the southeast of the former laboratory building. Soil samples collected from the drainage ditch contained several metals (selenium, silver, and zinc) at concentrations above the former Act 307 Type B cleanup criteria. Elevated concentrations of selenium (81.6 ppm) and mercury (0.25 ppm) were detected above the former Act 307 Type B criteria in soil samples collected from the edge of the storm water retention pond. The selenium and mercury concentrations exceed the current Act 451 Part 201 criteria. ENKON reportedly excavated the drainage ditch between the concrete pad and retention pond in October 1992 and three post-excavation confirmation soil samples were collected and analyzed for metals. ENKON reported that elevated concentrations of selenium (4.38 ppm), silver (2.20 ppm), and zinc (107 ppm) were detected in two of the confirmation soil samples. The reported selenium concentration exceeded the current Act 451 Part 201 criteria for selenium (residential drinking water protection, 4.0 ppm). The reported silver and zinc concentrations were below Part 201 criteria.

Three laboratory waste disposal pits observed to contain a wide assortment of laboratory waste materials (syringes, impregnated disks, dispenser cartridges), animal carcasses, waste building materials, and general refuse were reported to have been located west, southwest and south of the former laboratory building. ENKON reportedly excavated and removed approximately 1,400 cubic yards of the waste materials and soil from the disposal pits and collected confirmatory soil samples beneath the pits and analyzed them for "Michigan 10" metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs). No VOCs or SVOCs were detected in any of the samples collected. Metals were reportedly detected at concentrations typical of those naturally occurring in Michigan, with the exception of elevated concentrations of selenium (266 ppm) and arsenic (8.6 ppm). These reported concentrations exceed the current Act 451 Part 201 criteria for arsenic (direct contact, 7.6 ppm) and selenium (residential drinking water protection, 4.0 ppm).

6,600
cyds
total
removed
by prev.
reports
(1984-95)

ENKON also reportedly installed two groundwater monitoring wells at the former Difco Laboratory site; MW-1 is located southeast of the former laboratory building near a small stream leading into the stormwater retention pond, and MW-2 is located northwest of the former laboratory building in the adjacent agricultural field. The wells were reportedly installed to depths of 10 and 12 feet bgs. MW-2 was reportedly dry at the time of ENKON's sampling; however, elevated concentrations of dissolved arsenic (75.7 parts per billion, ppb) and lead (4.5 ppb) were detected in the sample collected from MW-1. These reported concentrations exceed the current Act 451 Part 201 residential drinking water protection criteria for arsenic (50 ppb) and lead (4.0 ppb).

Swanson Environmental, Inc.(SEI): Site Investigation Report (dated December 1994).

SEI evaluated subsurface conditions in the locations that ENKON had previously identified as having elevated metals concentrations, delineated the extent of the laboratory disposal pits, and evaluated the waste material in the pits. Upon review of the ENKON's 1992 investigation reports, SEI concluded that ENKON had not determined the full extent of the buried waste materials at the former Difco laboratory site on the subject property.

SEI initially established the background concentrations of naturally occurring metals in the native soil at the subject property to provide a basis for comparison and to establish clean-up criteria. Based on the background soil sampling results, SEI determined that the elevated arsenic levels detected at the former Difco Laboratory site were native to the clayey silts present at the subject property and were not the result of contamination from the former site operations. Mercury and selenium were not detected in the background samples. Silver was detected in one background sample at 0.5 ppm, well below the current state background default concentration (1.0 ppm) and the Act 451 Part 201 clean-up criteria (4.5 ppm, residential drinking water protection; 2,500 ppm, direct contact). In order to evaluate the analytical data for the site, SEI compared the background soil samples to three sets of clean-up criteria: Act 307 Type B clean-up criteria, generic background criteria (default Act 307 Type A criteria), and site-specific background criteria. SEI chose the highest of these criteria for each metal as the clean-up criterion for the site, which is utilized to assess metals concentrations in soil samples that may have been impacted by site activities. It should be noted that none of the background soil metals concentrations exceeded any of the current Act 451 Part 201 cleanup criteria.

SEI collected soil samples at or near the locations throughout the former Difco Laboratory site on the subject property where ENKON reported elevated metals concentrations, and analyzed the samples for "Michigan 10" metals. The concentrations of metals detected in the soil samples were comparable to background concentrations (mercury) or slightly elevated over background but below the clean-up criterion (selenium), with the exception of silver in one of the five samples collected in the septic system leach field, which was detected at 1.1 mg/kg, slightly above the established clean-up criteria of 1.0 mg/kg. The silver concentration in the one leach field sample exceeded the Act 307 Type B clean-up criterion of 0.66 mg/kg for the protection of groundwater, but was less than the Act 307 Type B clean-up criteria for direct contact with soil (1,200 mg/kg). The silver concentration was also below the current Act 451 Part 201 cleanup criteria of 4.5 ppm for protection of residential drinking water, and 2,500 ppm for direct soil contact. SEI stated that Act 307 specifies that the lower of these criteria apply. However, SEI indicated that Type B clean-up criteria for the protection of groundwater are based on an estimation of leaching rates from the soil. SEI reported that Act 307 allowed for samples to be subjected to Synthetic Precipitation Leaching Procedure (SPLP) (USEAP, SW-846 Method 1312) to evaluate the leachability of the silver from the soil. SEI submitted the soil sample with the elevated silver concentration to the SPLP procedure; the silver concentration in the SPLP extract was 7 ug/l (micrograms per liter, or parts per billion, ppb), well below the Act 307 Type B groundwater clean-up criterion

for silver of 33 ug/l (ppb). SEI concluded that the soil at this location in the former septic system leach field met Act 307 Type B criterion for the protection of groundwater. Elevated metals concentrations in exceedance of clean-up criteria were not detected in any of the other soil samples collected by SEI from the septic system leach field, concrete pad and drainage ditch, stormwater retention pond, or background soil collection areas.

Groundwater samples were collected from groundwater monitoring well MW-1 using a disposable teflon bailer, and analyzed for metals. ENKON reported elevated concentrations of dissolved arsenic (75.7 ug/l) and dissolved lead (4.5 ug/l) in the groundwater sample collected from this well. As indicated previously, these reported concentrations exceed the current Act 451 Part 201 residential drinking water protection criteria for dissolved arsenic (50 ug/l) and lead (4.0 ug/l). Neither dissolved lead nor dissolved arsenic concentrations were detected in the groundwater samples collected during SEI's assessment. The SEI report did not indicate the groundwater sampling method (bailers or peristaltic pump/low flow) ENKON used to obtain groundwater samples in 1992.

SEI determined the potential location of the former waste disposal pits through aerial photography and an extensive magnetometer survey of the former Difco Laboratories site. SEI conducted a test pit investigation of each of the identified possible waste disposal areas. A total of 20 potential waste disposal pits were identified at the former Difco site in the southern central portion of the subject property in six areas to the west, southwest, and south of the former laboratory building. The disposal pits ranged in size, the largest pit was 50 feet long and 12 feet wide, and the depths of the pits ranged from 6 to 16 feet bgs.

Test pits were excavated in each of the six disposal pit areas identified and the excavated material was sorted and identified. SEI reported that evidence of previous waste material removal and backfill with native clayey soil was apparent during the excavation activities. The waste material in the pits generally consisted of laboratory waste (syringes, disk dispensing cartridges, vials, and bottles), metal and plastic debris, paint cans, glass and plastic containers, plastic sheeting, animal carcasses, fencing, lime and other miscellaneous debris. A petroleum odor was noted from wastes excavated from the central and eastern pits of Area 4 (located southwest of the former laboratory building). Soil samples were collected from select locations to evaluate the waste, fill material, and native soils at the base of the pits. Analyses included metals, VOCs, and, where petroleum odors were evident in Area 4, polynuclear aromatic compounds (PNAs). Based on the analytical data, SEI indicated that the soil sample collected from the apparent petroleum impacted soils in Area 4 contained common petroleum constituents, including VOCs and PNAs. One PNA compound (dibenzo(a,h)anthracene), lead, and zinc were detected in excess of the Act 307 cleanup criteria; however, the sample collected from the underlying soils in disposal Area 4 did not contain detectable concentrations of any organic compounds or an elevated lead or zinc concentrations. Based on the analytical results, SEI concluded that it was likely that the waste materials in the disposal pits of Area 4 exceeded the Act 307 Type B clean-up criteria. However, SEI also indicated that contamination exceeding clean-up criteria appeared restricted to

the waste materials because the underlying soils beneath the disposal pits did not contain evidence of contamination.

SEI indicated the one sample of the organic clayey silt used as fill material during the previous ENKON investigations contained concentrations of arsenic in excess of the Act 307 Type B clean-up criteria; no other metals were detected in the fill material in excess of clean-up criteria. SEI stated that it was possible that the arsenic concentration detected in the fill material was representative of naturally occurring organic clayey silt in the subject property area. Native soil samples collected beneath the waste disposal pits did not contain detectable concentrations of VOCs, PNAs, or selenium. The maximum arsenic concentration detected in soil samples collected from the waste pits was 6.3 ppm, just slightly above the Act 307 Type B clean-up criterion of 6.0 ppm, and were attributed to naturally occurring background arsenic concentrations. It should be noted that this arsenic result is below the current Act 451 Part 201 cleanup criteria for arsenic of 7.6 ppm. SEI concluded that the waste disposal pit materials did not appear to have significantly impacted the native soils beneath the pits at the subject property.

SEI's 1994 report concluded that further assessment and/or remediation was warranted at the subject property to address the following issues: arsenic concentrations above Act 307 Type B clean-up criteria, solid waste material present in disposal pits, and aromatic VOCs and PNAs previously detected in one test pit in Area 4.

Swanson Environmental, Inc. (SEI): Waste Disposal Pit Remediation Report (dated March 1996).

Based on SEI's communications with former Difco Laboratories personnel and a review of ENKON's investigations and SEI's 1994 investigation, 20 waste disposal pits were identified in six areas at the former Difco Laboratories site on the subject property. SEI excavated each of the pits between December 1995 and January 1996. Approximately 6,600 cubic yards of soil and waste materials were removed from the waste disposal pits and disposed at Browning Ferris Industries' (BFI) Type II landfill in Northville, Michigan. Three of the former waste pits had previously been determined to contain organic compounds and/or metal contaminants in addition to the waste materials. Confirmatory soil samples were collected in accordance with the MDEQs *Verification of Soil Remediation* guidance document from these excavations once the removal effort was completed. Post-excavation soil samples were analyzed for metals, VOCs, and PNAs. The analytical results indicated that none of the soil samples from the excavated pits contained contaminants in excess of the established Act 451 Part 201 clean-up criteria and, therefore, met the criteria for an Act 451, Part 201 residential closure. Soils in the waste pit areas previously identified with elevated arsenic concentrations, as compared to the established site-specific clean-up criteria, were also excavated and removed from the site. The pits were backfilled to grade. SEI did not recommend further remediation or investigative activities at the former Difco site on the subject property in its 1996 report.

Sampling locations conducted during the 1992 ENKON and 1994 and 1996 SEI investigations are depicted in Figure 3.

Radian International, LLC: Phase I & II Environmental Site Assessment Site Data (May 2000).

Radian conducted a Phase I & II ESA at the former farm/Difco Laboratory site at the subject property in July 1999, on behalf of M-59, Inc. (former prospective purchaser), that included the installation of five additional groundwater monitoring wells, including the replacement of MW-2. Based on the results of the Phase I & II ESA, Radian subsequently proposed a Phase II Environmental Investigation/Baseline Environmental Assessment at the subject property in February 2000. Complete copies of Radian's Phase I and II ESA and Phase II/BEA reports were not available for URS' review as the project was terminated by the client prior to report completion; however, URS obtained excerpts from these reports. In excerpts of the Phase II Environmental Investigation/BEA proposal and report provided by URS' Midland, Michigan office (formerly Radian), Radian's Phase I/II ESA identified the following concerns associated with the former Difco Laboratory site at the subject property:

- The former presence of a gasoline UST located near the Difco Laboratory site (associated with the former farm, but not discussed in prior ENKON or SEI reports). The exact location of the UST was unknown, but it was initially reported to likely be within the former barn/equipment storage area. Radian's Phase I report indicated that the UST was previously removed and soil samples had been collected, although it was not report as to who removed the UST or collected the samples. However, the soil samples were reported as being too shallow to confirm that no release had occurred from the former UST.
- Sediment contamination may be present in the onsite stormwater retention pond and associated drainage ditch.

why not
over 4?

Based on the findings of the Phase I ESA, Radian recommended that additional investigation be conducted to evaluate the above-listed areas of concern. Radian subsequently proposed that a Phase II Environmental Investigation/BEA be conducted at the subject property in February 2000. The work was subsequently authorized by M-59, Inc. (former prospective purchaser) and the field investigation and sampling activities were completed in May 2000; however, the project was terminated by the client (M-59, Inc.) before the data was analyzed and the final reports were written.

The purpose of Radian's field investigation was to assess the adequacy of the contaminant removal from the disposal pits, the subsurface conditions of the septic systems' associated leach field, potential subsurface impacts resulting from reported alcohol storage in the root cellar, subsurface conditions in the vicinity of the former UST location, and sediment in the stormwater retention pond and drainage ditch located at the southeast corner of the former Difco Laboratories site.

Radian's field investigation consisted of the advancement of nine soil borings/backhoe test pits (BH-1 through BH-6 were backhoe test pits, and BH-7, BH-8 and BH-10 were

soil borings) and the collection of soil samples in the area of the former Difco Laboratory site, the collection of sediment samples from the drainage ditch and stormwater retention pond, and the collection of groundwater samples from the six groundwater monitoring wells.

how deep? -
? -
Radian excavated six test pits (BH-1 through BH-6, see Figure 4) using a backhoe in the former waste disposal pit areas that had been previously excavated and backfilled by SEI. Each excavation was extended through the fill material until native soils were encountered. One soil sample was collected from native soils immediately beneath the excavated fill material in each of the test pits. Radian also advanced three soil borings at the former Difco Laboratory site in the following locations: the former septic leach field (BH-7), adjacent to the root cellar (BH-8), and at the suspected location of the former UST adjacent to the former barn (BH-10). Soil samples collected from BH-1 through BH-10 were analyzed for "Michigan 10" metals, VOCs, and SVOCs. No analyte concentrations in exceedance of the appropriate Part 201 cleanup criteria were detected in the soil samples collected. Soil boring BH-10 was reportedly advanced to 16 feet bgs to ensure that the bottom of the former UST location had been reached; soil samples from BH-10 were also analyzed for total petroleum hydrocarbons. No elevated concentrations of TPH were detected in the soil samples. Radian stated that soils encountered during the advancement of BH-10 near the former barn appeared to be undisturbed, native soils; therefore, Radian concluded that the former UST was likely located elsewhere.

According to the resident of the house located on the northern portion of the 207-acre subject property, and who previously worked at the Difco Laboratories site, the UST was installed at the north side of the former access drive. The former Difco Laboratory employee indicated the former UST, reported to have a 500-gallon capacity or less, was removed in the middle to late 1970s, and contained gasoline for fueling farm equipment.

To evaluate potential contamination in the onsite stormwater retention pond and associated drainage ditch, sediment samples were collected from locations along the drainage ditch (SS-2 and SS-3) and at the edge of the stormwater retention pond (SS-1). Also, groundwater samples were collected from the six monitoring wells (MW-1 through MW-6) located at the former Difco Laboratories site. Soil and groundwater samples were analyzed for VOCs, SVOCs, and "Michigan 10" metals. The resulting analytical data was compared to the Act 451 Part 201 clean-up criteria for direct soil contact and residential drinking water protection. None of the analytes were detected above the Act 451 Part 201 clean-up criteria in the soil and sediment samples. Elevated concentrations of total lead were detected in groundwater samples collected from MW-2, MW-3, and MW-4. The concentrations of lead detected were 5.0 ug/L (micrograms per liter), 49 ug/L, and 19 ug/L, respectively. The Act 451 Part 201 default residential drinking water protection clean-up criteria for lead in groundwater is 4.0 ug/L. Lead in soil concentrations at the subject property were detected below the Act 451 Part 201 residential drinking water protection soil clean-up criteria. As previously indicated, due to the early termination of the property transaction associated with Radian's May 2000 Phase II/BEA assessment, the Phase II/BEA report was never completed; therefore, no conclusions or recommendations for further investigation were provided.

In summary, concentrations of analytes detected in soil and groundwater samples collected during post-remediation confirmation sampling events did not exceed appropriate clean-up criteria, with the exception of elevated lead concentrations in groundwater samples collected from three of the six on-site monitoring wells in May 2000.

In April 2004, URS conducted a Phase I ESA of the 207-acre subject property, which includes the former farm/Difco Laboratory site. Based on URS' Phase I ESA findings and review of the previous reports discussed above, URS' Phase I ESA recommended that additional investigation be conducted at the former Difco Laboratory site on the subject property to address the former onsite UST and the elevated lead concentrations in the groundwater. URS recommended that the additional investigation include: (1) collecting groundwater samples from the existing on-site groundwater monitoring wells and analyzing the samples for dissolved lead, and (2) collecting soil and groundwater samples in the vicinity of the former gasoline UST location to be analyzed for the required MDEQ Operational Memorandum No. 14 (June 1998) leaded gasoline and diesel fuel parameters. It should be noted that upon URS' Phase I ESA field reconnaissance, MW-5 was observed to have been damaged/destroyed, and was no longer able to be sampled.

In May 2004, URS conducted a Phase II investigation in support of this BEA in order to address the concerns identified during URS' Phase I ESA associated with the former UST and lead in groundwater concentrations at the former Difco site on the southern central portion of the 207-acre subject property. The Phase II investigation consisted of advancing 3 Geoprobe[®] soil borings in the area of the former UST for soil and groundwater sampling, and collecting groundwater samples from the existing onsite monitoring wells. The Geoprobe[®] soil borings were completed immediately north of the former Difco Laboratory access drive in the location of the former onsite UST as reported by the former Difco employee, and groundwater samples were collected from the 5 existing groundwater monitoring wells along the western and southern perimeters of the former Difco site where previous investigations had indicated elevated total lead concentrations. (URS Corporation, April 15, 2004, Phase I Environmental Site Assessment, 207 Acres of Undeveloped Property, Tooley Road, Howell Township, Michigan). During monitoring well sampling activities, URS noted that the original MW-2 (installed by ENKON in 1992 and previously reported as being dry) contained groundwater. Therefore, URS sampled both MW-2 (designated MW-2s (shallow)) in addition to MW-2R (designated as MW-2d (deep)). It should also be noted that the groundwater samples collected from the existing monitoring wells were also analyzed for the same parameters as those collected from the former UST area (MDEQ Operational Memorandum No. 14 parameters), in addition to dissolved lead as originally proposed. Sampling locations conducted during the 2000 Radian and 2004 URS investigations are depicted in Figure 4.

where is analytical?

Laboratory results indicated that no analytes were detected in any of the soil or groundwater samples collected in the vicinity of the former onsite UST, with the exception of lead, which was detected in all three soil samples, ranging from 2,700 to

3,400 micrograms per kilogram (ug/kg, parts per billion). These concentrations are well below the MDEQ Part 201 Residential Soil Cleanup Criteria of 400,000 ug/kg for Direct Contact and 700,000 ug/kg for Drinking Water Protection. These concentrations are also well below the statewide default background level for lead of 21,000 ug/kg. Laboratory analyses also indicated that no analytes were detected in any of the groundwater samples collected from the existing onsite monitoring wells, with the exception of MW-3 in which dissolved lead was detected at 82 micrograms per liter (ug/L, parts per billion) (0.082 ppm), in exceedance of the MDEQ Part 201 Residential Groundwater Cleanup criterion for lead of 4.0 ug/L (0.004 ppm). MW-3 is located in an agricultural field approximately 170 feet due west of the former Difco Laboratory building (see Figure 4). The details of the analytical results comparison are included in the attached Tables.

Below is a summary of the historical and currently existing exceedances of the Act 451 Part 201 cleanup criterion at the subject property:

Analyte	CAS#	Concentration	Part 201 Criteria	Location
Arsenic	7440382	13.6 ppm	7.6 ppm-direct contact	Septic leach field soils
Selenium	7782492	190 ppm	4.0 ppm-drinking water protection 0.4 ppm - GSI	Septic leach field soils
Selenium	7782492	4.4 ppm	4.0 ppm-drinking water protection	Drainage ditch soils
Selenium	7782492	81.6 ppm	4.0 ppm-drinking water protection 0.4 ppm - GSI	Retention pond sediment
Mercury	7439976	0.25 ppm	0.1 ppm – GSI	Retention pond sediment
Dissolved Lead	7439921	0.082 ppm	0.004 ppm – drinking water	MW-3 (groundwater)

GSI = Groundwater-surface water interface protection criteria.

ppm = parts per million.

ppb = parts per billion

Extent of Impacted Materials

Data collected during site investigations defines the extent of on-site contaminants at concentrations in excess of MDEQ Part 201 Residential cleanup criteria.

Metals - Soil

ENKON's 1992 investigation identified arsenic and selenium concentrations in the former septic leach field area in exceedance of the current Part 201 cleanup criteria. Arsenic was detected at 13.6 mg/kg, above the Part 201 direct contact criteria of 7.6 mg/kg, and selenium was detected at 190 mg/kg, above the residential drinking water protection criteria of 4.0 mg/kg, and the groundwater-surface water interface protection criteria (0.4 mg/kg). ENKON's 1992 investigation identified an elevated selenium concentration (4.4 mg/kg) in the concrete pad drainage ditch, above the Part 201 drinking water protection criteria (4.0 mg/kg) and the groundwater-surface water interface

protection criteria (0.4 mg/kg). Finally, ENKON's 1992 investigation identified elevated selenium and mercury concentrations in soils at the edge of the storm water retention pond at the former Difco Laboratory site above the Part 201 criteria. Selenium was detected at 81.6 mg/kg, above the drinking water protection criteria (4.0 mg/kg) and the groundwater-surface water interface protection criteria (0.4 mg/kg). Mercury was detected at 0.25 mg/kg, above the groundwater-surface water interface protection criteria (0.1 mg/kg), and slightly above the statewide default background concentration of 0.13 mg/kg.

Subsequent soil investigations conducted at the former Difco Laboratories site on the subject property by SEI in 1994 and Radian in 2000, did not identify elevated metals concentrations above the Act 451 Part 201 cleanup criteria in any of the locations previously sampled by ENKON. Based on these results, the elevated metals concentrations detected by ENKON in 1992 appear to be anomalies, possibly due to naturally occurring metals concentrations or residual contamination isolated to very limited areas at the site.

URS' May 2004 Phase II investigation detected lead in all borehole locations where soil samples were analyzed for metals. The concentrations ranged from 2,700 to 3,400 ug/kg. This range of concentrations is significantly below the statewide default background concentration for lead of 21,000 ug/kg, suggesting that lead concentrations in this range are naturally occurring.

Metals-Groundwater

Dissolved lead in the sample from MW-3 was the only groundwater analyte concentration in excess of MDEQ cleanup criteria. As dissolved lead concentrations were "non-detect" in the other wells, including the nearest upgradient and downgradient wells from MW-3, this elevated concentration is presumed to be the result of residual impact from the waste disposal pit materials previously excavated in the immediate vicinity of MW-3.

5. Likelihood of Other Contamination

Given the extent of Phase I and II site investigations and the consistency of previous site use, URS deems it is not likely that additional contamination is present on-site in concentrations exceeding cleanup criteria.

6. Alternative Approaches (if applicable)

This section is not applicable to the former Difco Laboratories, Tooley Road property BEA.

7. Conclusions

The results of the BEA indicate the following:

- The site is a “facility” as defined by (MERA) 451 Part 201, as dissolved lead was detected in a site groundwater sample at a concentration in excess of the applicable MDEQ cleanup criteria. In addition, historical elevated concentrations of arsenic, selenium, and mercury were detected in several isolated areas of the former Difco Laboratory site at the subject property.
- As dissolved lead concentrations were “non-detect” in the other wells, including the nearest upgradient and downgradient wells from MW-3, the elevated dissolved lead concentration in MW-3 is considered likely to be the result of residual impact from the waste disposal pit materials previously excavated in the immediate vicinity of MW-3. Based on the results of subsequent soil investigations conducted at the former Difco Laboratory site at the subject property in 1994 and 2000, the elevated metals concentrations detected by ENKON in 1992 appear to be anomalies, possibly due to naturally occurring metals concentrations or residual contamination isolated to very limited areas at the site.
- No other source areas have been identified.
- Based on the planned future subject property use as a residential development, no significant hazardous substance use or storage is anticipated to occur at the subject property.
- Future releases can be discriminated from existing site impacts by the nature and extent of known soil/groundwater conditions. Contaminant materials existing on-site currently are of limited extent and generally in relatively low concentrations.

8. References

1. Radian International, LLC: Phase II Environmental Site Assessment preliminary reports (2000)
2. Review of Michigan's Department of Environmental Quality, Natural Resources Environmental Protection Act, Michigan Public Act 451 of 1994, as amended, "Part 201 Generic Cleanup Criteria and Screening Levels".

9. Attachments

Figures

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	ENKON & SEI Soil, Sediment & Groundwater Sampling Locations
Figure 4	Radian & URS Soil, Sediment & Groundwater Sampling Locations

Tables

Table 1	URS May 2004 Soil Results – Part 201 Criteria Comparison
Table 2	URS May 2004 Groundwater Results – Part 20 Criteria Comparison
Table 3	Historical Soil/Sediment Part 201 Exceedance Summary
Table 4	Historical Groundwater Part 201 Exceedance Summary

Attachment A Site Photographs

Attachment B Boring Logs

Attachment C Swanson Environmental, Inc., December 19, 1994. Site Investigation Report: Difco Laboratories- D & H Farms, Tooley Road, Howell, Michigan.

Attachment D Swanson Environmental, Inc., March 4, 1996. Waste Disposal Pit Remediation Report: Difco Laboratories- D & H Farms, 2755 Tooley Road, Howell, Michigan.

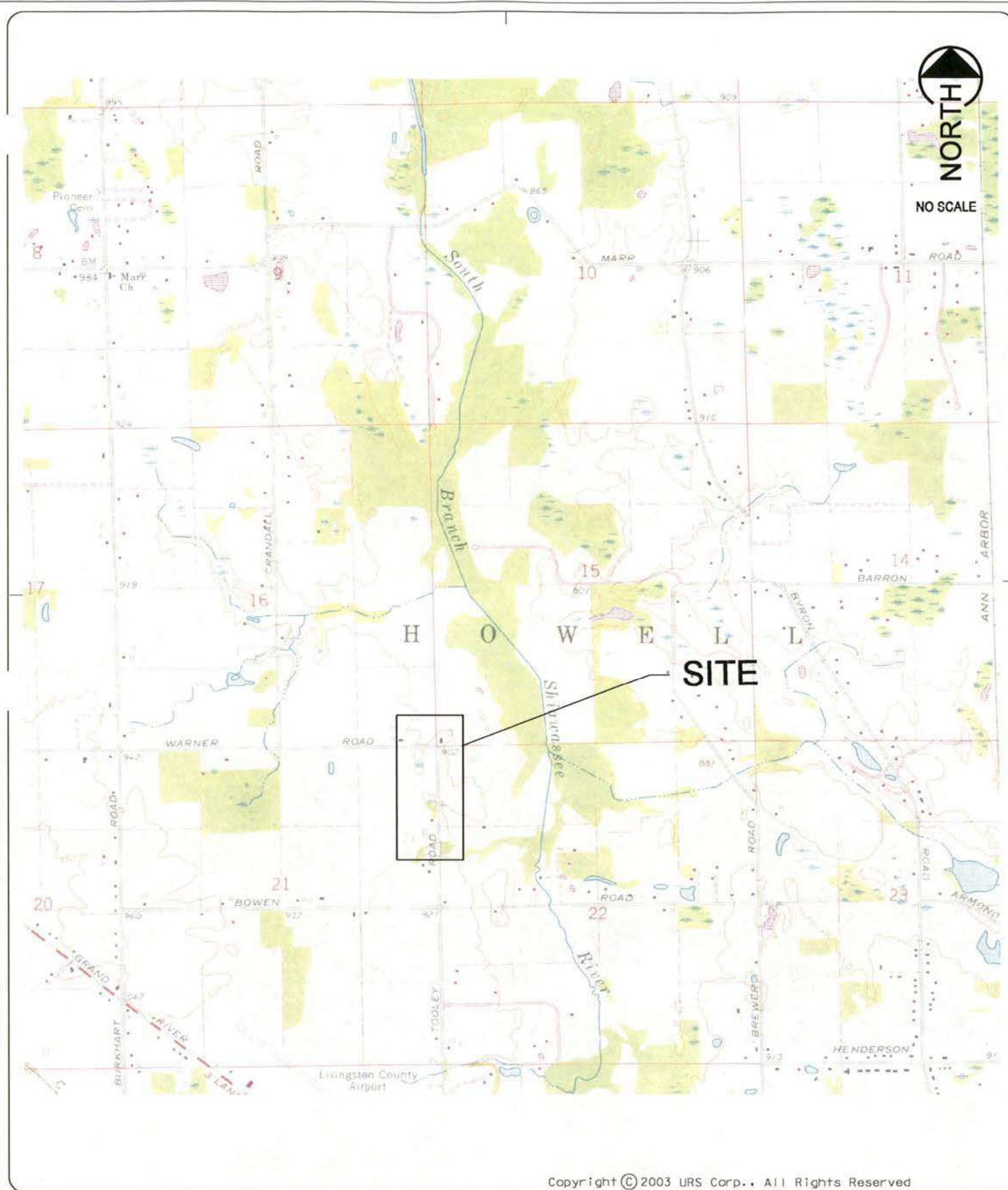
Attachment E Test America Analytical Testing Corporation, Pontiac, Michigan, June 2000. Analytical data reports of metals and semi-VOCs, for Radian Phase II report.

Attachment F URS Corporation, April 15, 2004. Phase I Environmental Site Assessment, 207 Acres of Undeveloped Property, Tooley Road, Howell Township, Michigan.

FIGURES



NO SCALE



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SITE LOCATION MAP

URS

FARMINGTON HILLS, MI.

UNDEVELOPED PROPERTY
TOOLEY ROAD
HOWELL TOWNSHIP, MI 48855

DATE
3-25-03

DR.
NTW

CK.
MLW

JOB NO.
13647803

SKETCH NO.

FIGURE 1



NO SCALE

SITE LOCATION MAP

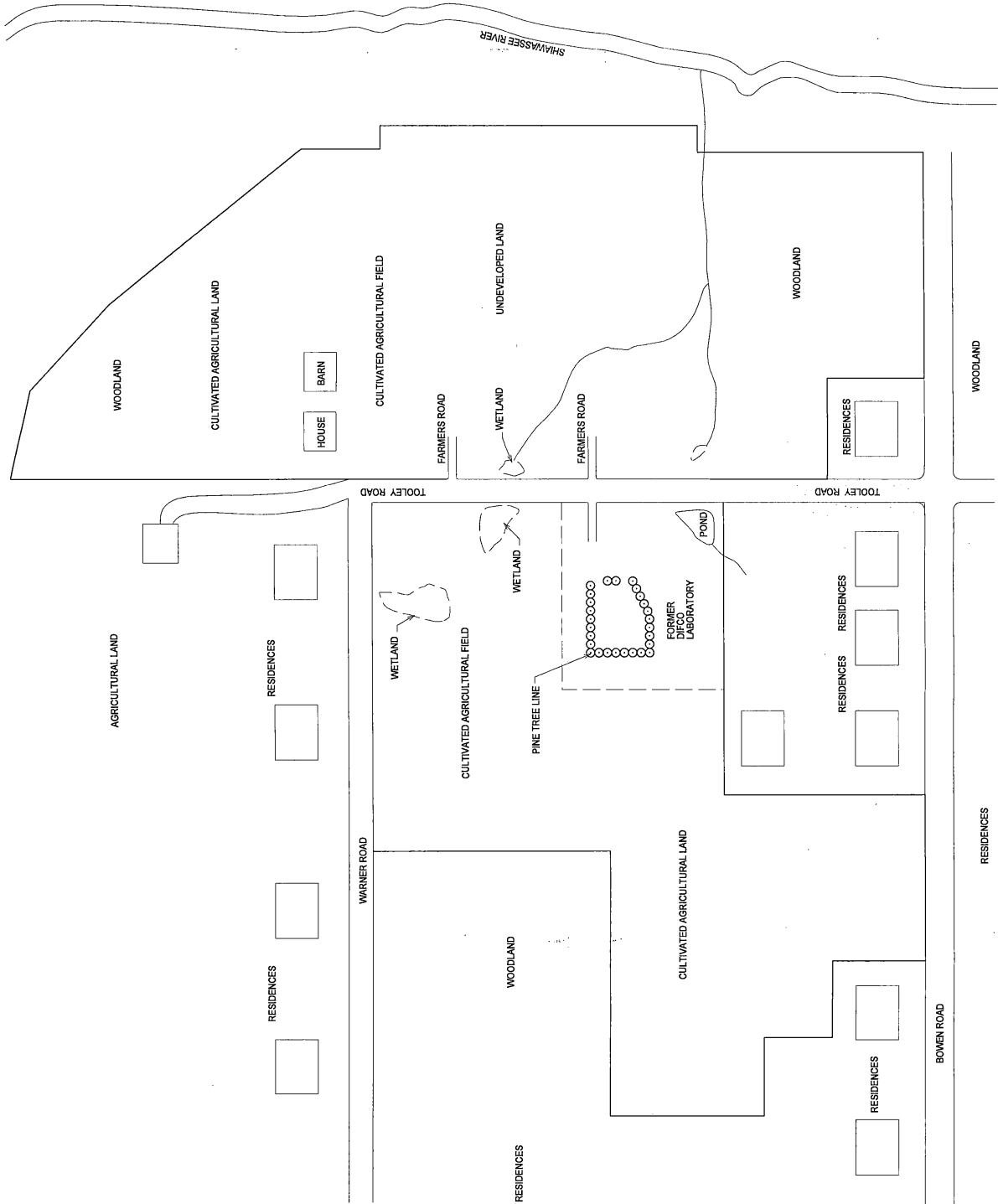
207-ACRE PROPERTY
TOOLEY ROAD
HOWELL TOWNSHIP, MI 48865

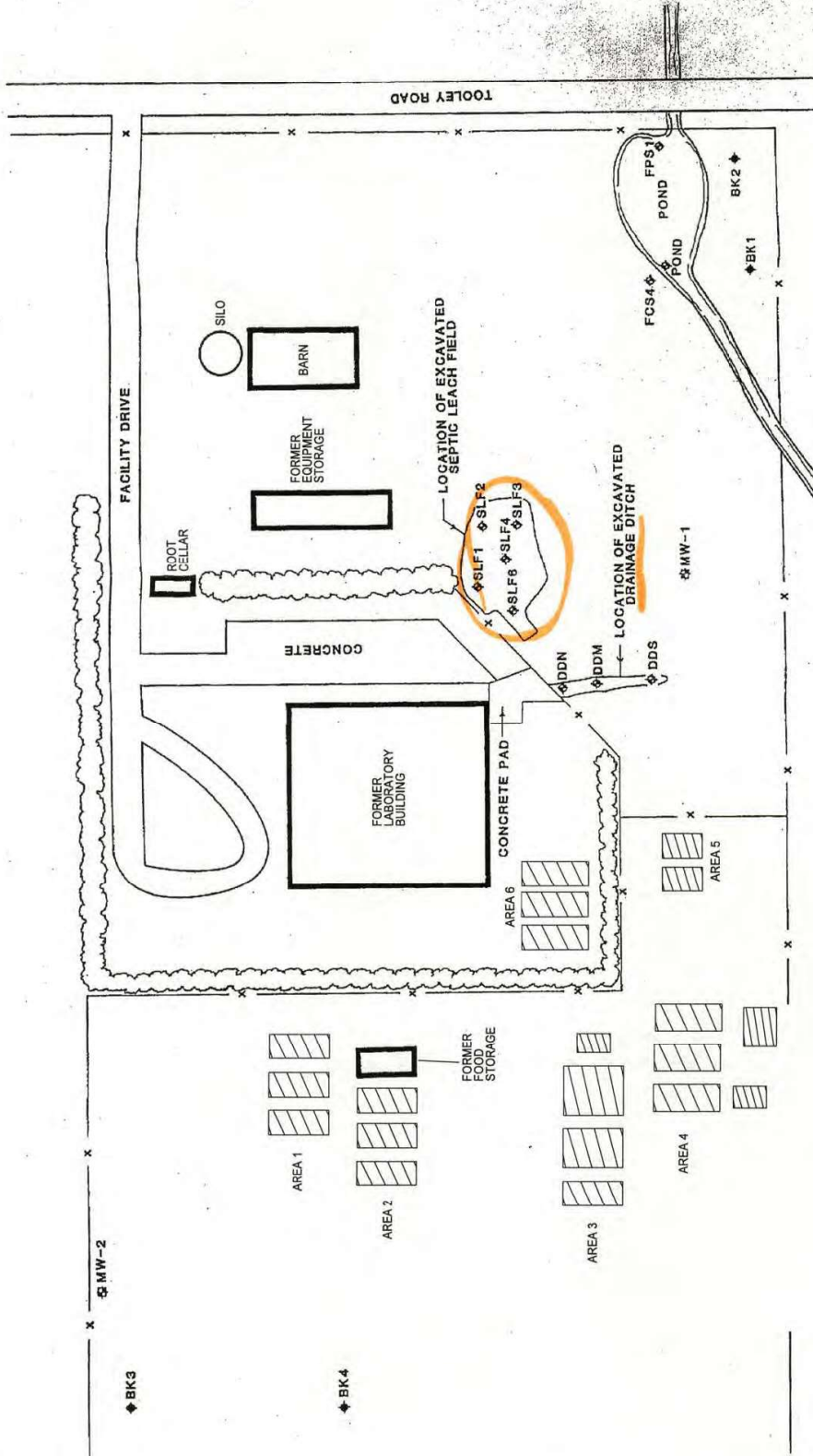


FARMINGTON HILLS, MI.

DATE	JOB NO.	13647907
3-25-03	SKETCH NO.	
DR. NTW	CK. MLW	

FIGURE 2





LEGEND

- ◆ CONFIRMATIO SAMPLE LOCATION (ENKON, 1992 & SEI, 1994)
- ◆ BACKGROUND SAMPLE LOCATION (SEI, 1994)
- ◆ MONITOR WELL LOCATION (ENKON, 1992 & SEI, 1994)
- DD DRAINAGE DITCH
- SLF SEPTIC LEACH FIELD
- FFSFCS POND SAMPLING LOCATIONS
- BK BACKGROUND SAMPLE
- WASTE PIT EXCAVATIONS (SEI, 1996) - NOT TO SCALE



SAMPLE LOCATION MAP

ENKON, 1992 & SEI, 1994/1996
INVESTIGATIONS

FORMER DIECO LABORATORIES SITE
TOOLEY ROAD
HOWELL TOWNSHIP, MI 48865

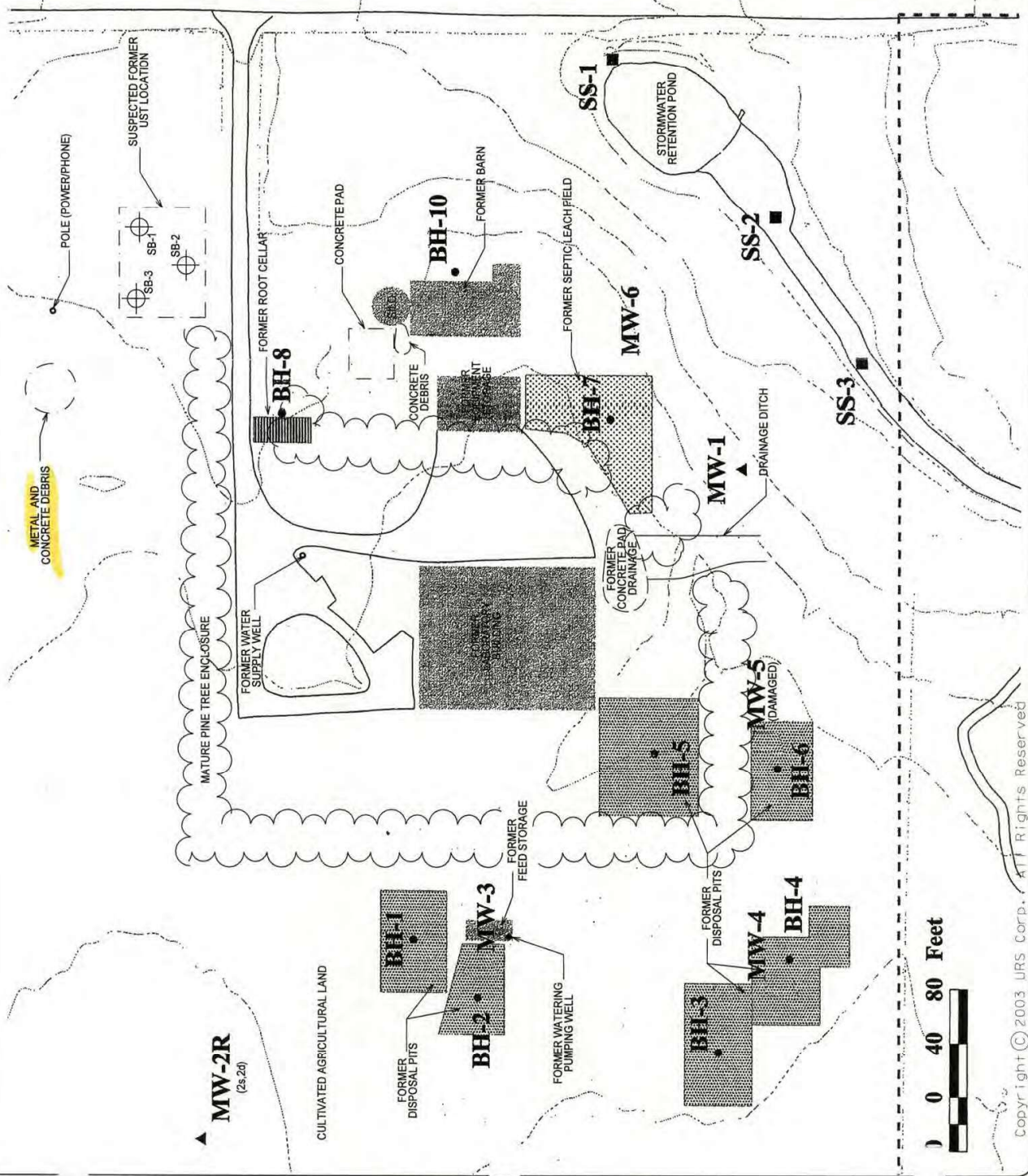


FARMINGTON HILLS, MI.

DATE	JOB NO.
6-18-04	13647907
DR. TWR	SKETCH NO.
CK. SJJ	FIGURE 3

LEGEND

- SOIL BORINGS (504)
- MONITORING WELLS (MW)
- SEDIMENTS SAMPLES (SS)
- BOREHOLES (BH)
- TOPO CONTOURS - 10 FOOT INTERVALS
- DRAINAGE DITCHES
- RIVERS, STREAMS AND SHORELINE
- PAVEMENT
- ROADS
- FENCES
- PROPERTY BOUNDARY



SITE LAYOUT

MONITORING WELLS, PREVIOUS BOREHOLE, SEDIMENT SAMPLES, SOIL BORINGS
MAY 2004 SOIL BORINGS

FORMER DIECO LABORATORIES SITE
TOOLEY ROAD
HOWELL TOWNSHIP, MI 48855

URS

FARMINGTON HILLS, MI

DATE	JOB NO.	13647907
3-25-03	SKETCH NO.	
DR. NTW		
CK. MLW		

FIGURE 4



July 27, 2005

Ms. Kathy Shirey & Ms. Rebecca Taylor
Environmental Quality Analysts
Michigan Department of Environmental Quality
Remediation & Redevelopment Division
Lansing District Office
Constitution Hall, 4th Floor, North
525 West Allegan Street
Lansing, Michigan 48909-7742



RE: Supplemental BEA Information
Former Difco Laboratories Site
2755 Tooley Road
Howell Township, Michigan
BEA: B200400846LA
MDEQ Facility ID#: 47000219

Dear Ms. Shirey & Ms. Taylor:

Pursuant to subsequent investigations and our recent telephone conversations and discussions with Michigan Department of Environmental Quality (MDEQ), Remediation and Redevelopment Division (RRD) representatives, URS Corporation ("URS") is pleased to submit supplemental information related to URS' July 12, 2004 Baseline Environmental Assessment (BEA) previously submitted to the MDEQ-RRD for the 207-acre Tooley Road property in Howell Township, Michigan, which includes the above-referenced former Difco Laboratories Site (BEA: B200400846LA; MDEQ Facility ID #47000219).

BACKGROUND INFORMATION

The former Difco Laboratories (Difco) site previously occupied a small portion of largely undeveloped land, including several dilapidated structures, located along Tooley Road between Warner and Bowen Roads, approximately one mile north of M-59 in Howell Township, Livingston County, Michigan (a site location map is provided as Figure 1). Difco, a small farm and research testing laboratory, was formerly located on an approximately 8.6-acre parcel of land located in the southern-central portion of the larger 207-acre parent property (Tooley Road Property), which consists of undeveloped wooded, wetland, and agricultural land, split between four contiguous parcels (a site plan map is provided as Figure 2). The entire laboratory structure at the former Difco site has been demolished and the area has been replanted with grass and tree saplings; however, five structures remain at the former Difco site in various stages of disrepair, including a cement silo, a burned and dilapidated barn, a dilapidated former equipment storage building, an intact former root cellar, and a dilapidated former feed storage structure. Six groundwater monitoring wells (MW-1 through MW-6) are also located at this parcel, one of

which (MW-5) is no longer serviceable. The MW-2 location consists of one shallow well and one deep well.

Several environmental investigations have been conducted by various consultants at the former Difco site between 1992 and 2004. These investigations are summarized in the July 2004 BEA. URS has prepared a Phase I Environmental Site Assessment (ESA) in April 2004, conducted a Limited Phase II ESA in May 2004, and prepared and submitted to MDEQ a Category “N” BEA, for disclosure purposes, for the 207-acre Tooley Road property, including the former Difco site, in July 2004. The BEA was conducted in general conformance with Part 201 of Michigan Public Act 451, 1994, as amended.

The aforementioned URS May 2004 Phase II investigation included collecting groundwater samples from all six of the existing monitoring wells at the former Difco site for the analysis of dissolved lead. Laboratory analyses indicated that dissolved lead was not detected in any of the groundwater samples collected, with the exception of MW-3 in which dissolved lead was detected at 82 micrograms per liter (ug/L, parts per billion) (0.082 ppm), in exceedance of the MDEQ Part 201 Residential Groundwater Cleanup criterion for lead of 4.0 ug/L (0.004 ppm).

URS’ Phase II/BEA concluded that the entire 207-acre site was a “facility” as defined by PA 451 Part 201, as dissolved lead was detected in a single groundwater sample at a concentration exceeding the applicable MDEQ cleanup criteria on the 8.6-acre former Difco site. In addition, historical elevated concentrations of arsenic, selenium, and mercury were detected in several isolated areas on the former Difco site. URS’ Phase II/BEA did not identify any potential Recognized Environmental Conditions outside of the 8.6-acre former Difco site.

The table below provides a summary of the historical and recent exceedances of the Part 201 cleanup criterion on the 8.6-acre former Difco site:

Analyte	CAS#	Concentration	Part 201 Residential Criteria	Location
Arsenic	7440382	15.0 ppm	7.6 ppm-direct contact	Septic leach field soils (ENKON, 1992)
Selenium	7782492	190 ppm	4.0 ppm-drinking water protection 0.4 ppm – GSI	Septic leach field soils (ENKON, 1992)
Selenium	7782492	4.4 ppm	4.0 ppm-drinking water protection	Drainage ditch soils (ENKON, 1992)
Selenium	7782492	81.6 ppm	4.0 ppm-drinking water protection 0.4 ppm – GSI	Retention pond sediment (ENKON, 1992)
Mercury	7439976	0.25 ppm	0.1 ppm – GSI	Retention pond sediment (ENKON, 1992)
Dissolved Lead	7439921	0.082 ppm	0.004 ppm – drinking water	MW-3 (URS, 2004)

GSI = Groundwater-surface water interface protection criteria.
 ppm = parts per million.

It should be noted that no exceedances are presently known to exist anywhere within the site, and that many of the historical exceedances were considered likely to be anomalies, as subsequent investigators could not replicate the reported exceedances in the respective sample locations.

In October 2004, URS returned to the site to conduct additional subsurface investigations on the former Difco site, including the collection of several groundwater samples in the immediate vicinity of monitoring well MW-3 to further delineate the extent of dissolved lead in the groundwater in this area. Eight soil borings were advanced in the immediate vicinity of MW-3. The soil borings were advanced to the groundwater table, after which temporary wells were installed in each boring for the collection of groundwater samples, which were field-filtered for the analysis of dissolved lead. Dissolved lead was not detected in any of the groundwater samples collected in the vicinity of MW-3. Subsequently, in November 2004, URS collected another groundwater sample from MW-3 using low-flow sampling techniques. The groundwater sample was field-filtered and submitted for analysis of dissolved lead. Dissolved lead was not detected in the groundwater sample collected from MW-3. Based on these sampling results, it appears that the previous elevated dissolved lead concentration detected in MW-3 was an anomaly and not representative of groundwater conditions at the site. Boring/sampling locations are provided in Figure 3, attached.

It should also be noted that upon MDEQ's review of the July 2004 BEA, MDEQ requested that the Livingston County Health Department conduct groundwater sampling and analysis of eight (8) residential drinking water supply wells in the immediate vicinity of the former Difco site for VOCs, metals, and 1,4-dioxane. MDEQ has since informed URS that no VOCs or 1,4-dioxane were detected in the 8 residential wells (sampled in October 2004), and only low levels of metals (copper, iron, lead, and zinc) were found in one distant upgradient well to the northeast of the former Difco site. Based on its distance (approximately 0.6-mile) and upgradient location from the former Difco site, these metals concentrations are not related to the former Difco site.

According to URS' recent discussions with MDEQ Senior District staff, the previously submitted BEA provides liability protection for the 207-acre subject property, regardless of the size of the impacted area to be designated as a "facility". The MDEQ staff indicated that supplemental information could be submitted in the form of additional site investigations and a legal survey which support delineating only the area of the former Difco site, in which Part 201 exceedances were detected, as a "facility". As a result of these discussions with the MDEQ, URS has prepared this supplemental information that specifies the extent of the area at the 207-acre property in which Part 201 residential criteria exceedances were encountered; (i.e. only the 8.6-acre former Difco site), and provides clarification of the specific subject property area subject to "facility" designation.

The supplemental BEA information has been prepared as follows:

LEGAL SURVEY REVIEW & "FACILITY" CLARIFICATION

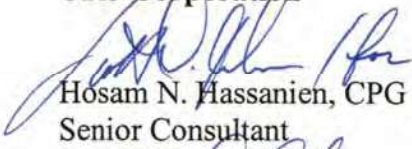
URS reviewed a legal survey and property description of the former Difco Laboratory site area at the 207-acre subject property, prepared by Professional Engineering Associates (PEA), a licensed Michigan surveyor. URS' review of the Difco site survey was performed to ensure that the survey description includes all areas of the former Difco Laboratory site in which Part 201 soil, sediment, or groundwater exceedances have been historically or recently encountered.

Based on URS' review of PEA's legal survey of the former Difco site, it appears that all areas of the former Difco Laboratory site in which Part 201 soil, sediment, or groundwater exceedances have been encountered are located within the legal survey/property description, which encompasses a reported area of approximately 8.61 acres (noted as Parcel D). A copy of PEA's legal survey and property description is included as Attachment A.

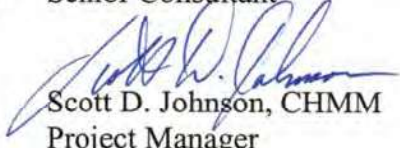
URS' April 2004 Phase I ESA prepared for the 207-acre Tooley Road property did not identify potential Recognized Environmental Conditions outside the 8.6 acre former Difco Laboratories site delineated in the PEA legal survey. **Based on this information, the "facility" designation at the 207-acre Tooley Road subject property, as described in URS' July 2004 BEA, should be limited to only the 8.6-acre former Difco Laboratories site, as described in PEA's surveyed legal description.**

If you have any questions or comments regarding this supplemental BEA information, please feel free to contact us at (248) 553-9449.

Sincerely,
URS Corporation



Hosam N. Hassanien, CPG
Senior Consultant

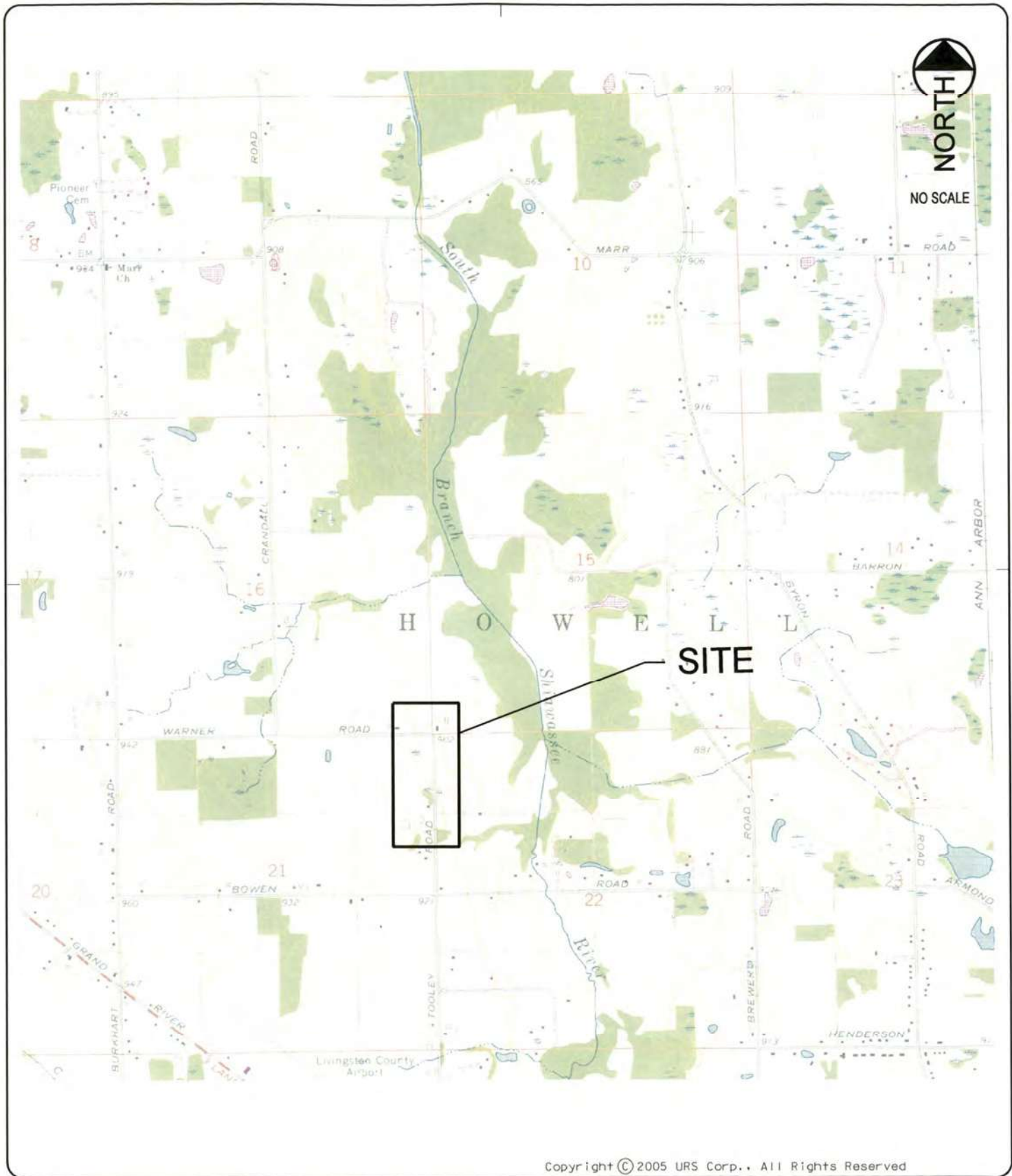


Scott D. Johnson, CHMM
Project Manager

Attachments:

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Site Features & Sample Location Map; Previous Investigations (ENKON 1992, SEI 1994/1996, Radian 1999/2000 & URS 2004)
Attachment A	June 2005 PEA Legal Survey and Property Description, Former Difco Site

FIGURES



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SITE LOCATION MAP

URS

FARMINGTON HILLS, MI.

UNDEVELOPED PROPERTY
TOOLEY ROAD
HOWELL TOWNSHIP, MI 48855

DATE 3-25-03	JOB NO. 13647674
DR. NTW	SKETCH NO.
CK. MLW	FIGURE 1



NO SCALE

LEGEND

PROPERTY BOUNDARY
DIFCO LAB PARCEL
DESIGNATED AS A
FACILITY (SEE ATTACHED
LEGAL DESCRIPTION AND
SURVEY MAP)



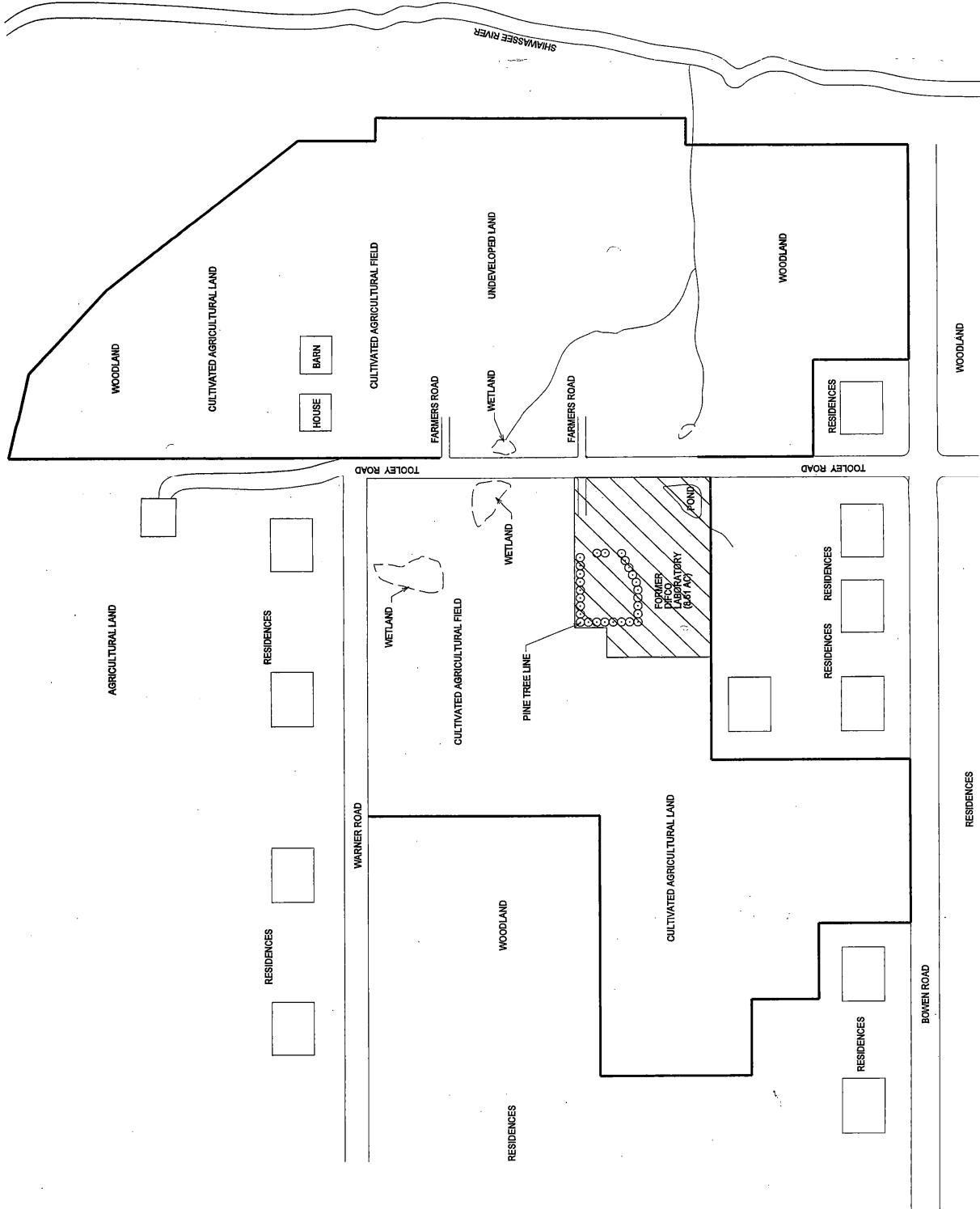
SITE PLAN MAP

UNDEVELOPED PROPERTY
TOOLEY ROAD
HOWELL TOWNSHIP, MI 48855



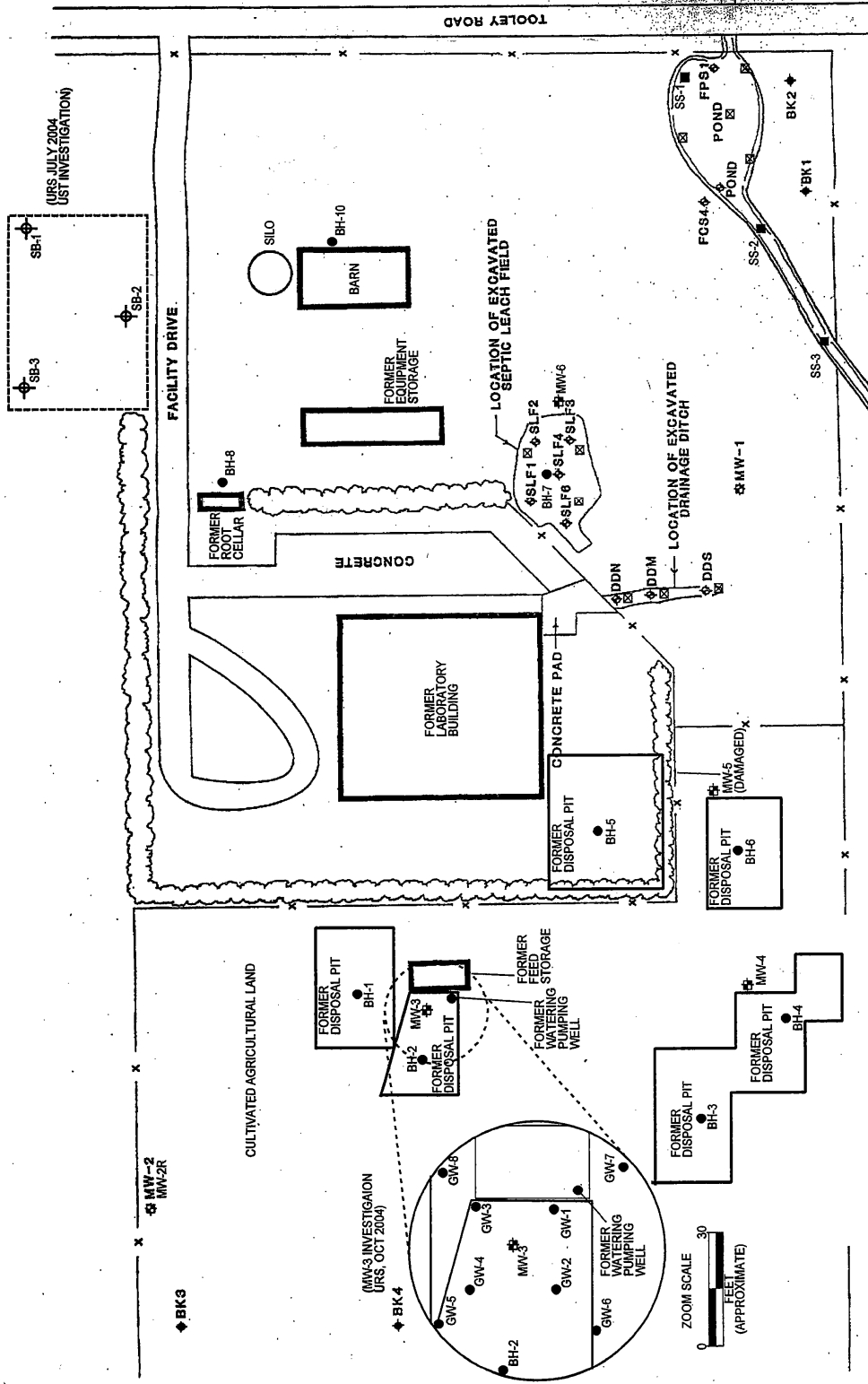
FARMINGTON HILLS, MI.

DATE	JOB NO.	13647674
3-25-03	DR.	NTW
	CK.	MLW
		SKETCH NO.
		FIGURE 2





(URS JULY 2004
UST INVESTIGATION)



LEGEND

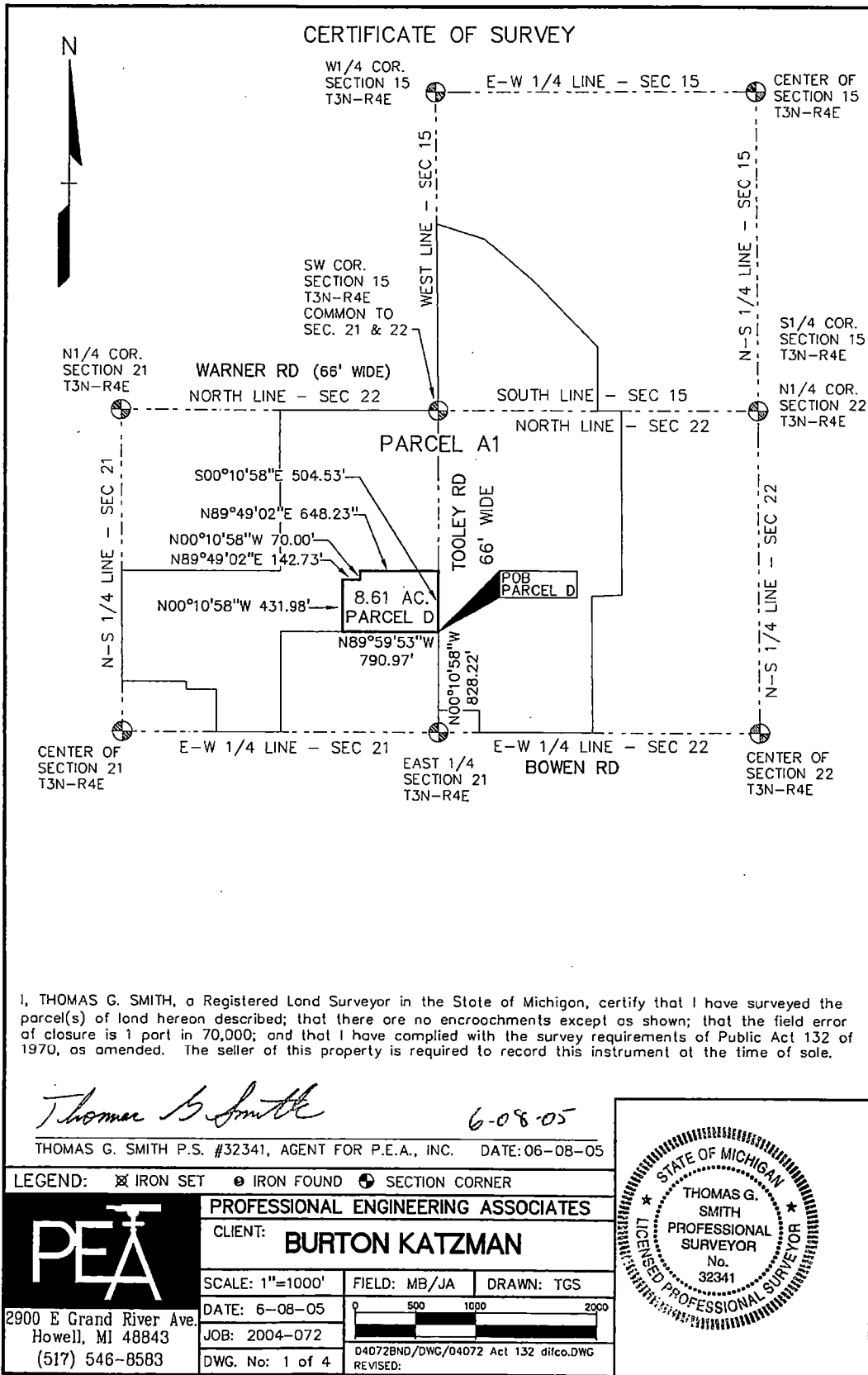
- ☒ PROPOSED SAMPLE LOCATION (URS, FEB. 2005)
- ◆ CONFIRMATION SAMPLE LOCATION (ENKON, 1992 & SEI, 1994)
- ◆ BACKGROUND SAMPLE LOCATION (SEI, 1994)
- ◆ MONITOR WELL LOCATION (ENKON, 1992 & SEI, 1994)
- ◆ SEDIMENT SAMPLES (RADIAN, 2000)
- BOREHOLES/BACKHOE SAMPLES (RADIAN, 2000)
- DD DRAINAGE DITCH
- SLF SEPTIC LEACH FIELD
- FPS/FCS POND SAMPLING LOCATIONS
- BK BACKGROUND SAMPLE



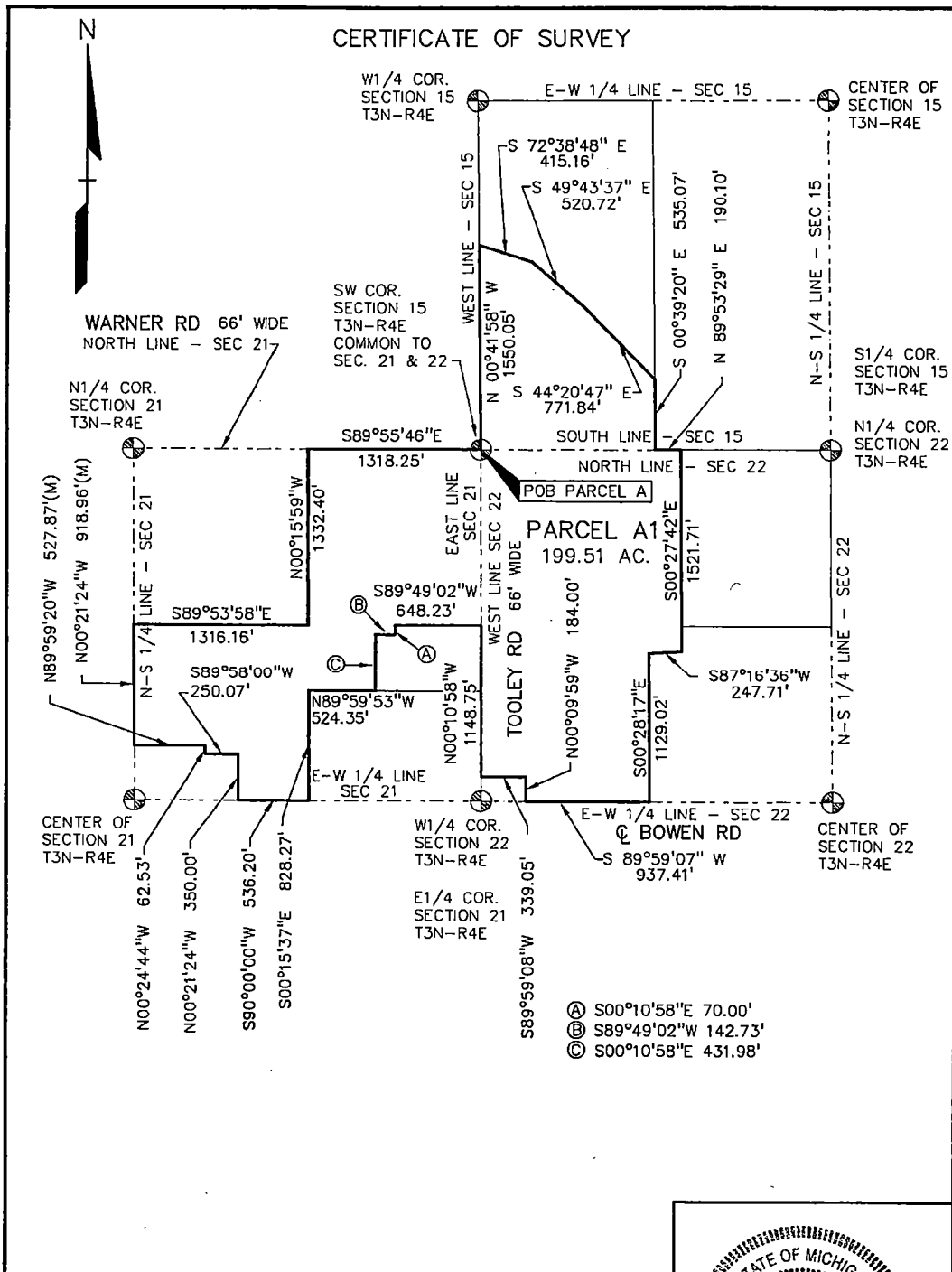
SITE FEATURES / SAMPLE LOCATION MAP	
PREVIOUS INVESTIGATIONS ENKON 1992, SEI 1994/1995, RADIAN 2000, & URS 2004	
PROPOSED URS INVESTIGATION 2005	
FORMER DECO LABORATORIES SITE TOOLEY ROAD HOWELL TOWNSHIP, MI 48865	
URS FARMINGTON HILLS, MI.	
DATE 01-24-05	JOB NO. 13647674
DR. THR	SKETCH NO.
CK. SJ	FIGURE 3

ATTACHMENT A

June 2005 PEA Legal Survey and Property Description, Former Difco Site



CERTIFICATE OF SURVEY



- Ⓐ S00°10'58\"E 70.00'
- Ⓑ S89°49'02\"W 142.73'
- Ⓒ S00°10'58\"E 431.98'

LEGEND: IRON SET IRON FOUND SECTION CORNER



2900 E Grand River Ave.
Howell, MI 48843
(517) 546-8583

PROFESSIONAL ENGINEERING ASSOCIATES

CLIENT: **BURTON KATZMAN**

SCALE: 1"=1000' FIELD: MB/JA DRAWN: TGS

DATE: 05-08-05

JOB: 2004-072

DWG. No: 2 OF 4

04072BND/DWG/04072 Act 132 difco.DWG
REVISED:



CERTIFICATE OF SURVEY

PARCEL D:

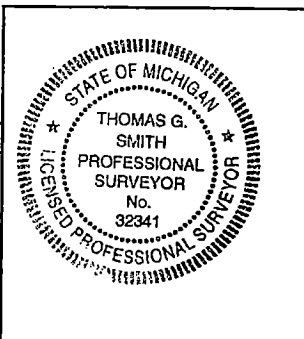
Part of the Northeast 1/4 of Section 21, T3N-R4E, Howell Township, Livingston County, Michigan being more particularly described as follows: Commencing at the East 1/4 corner of said Section 22; thence along the East line of said Section 22, N00°10'58"W, 828.22 feet to the Point of Beginning; thence N89°59'53"W, 790.97 feet; thence N00°10'58"W, 431.98 feet; thence N89°49'02"E, 142.73 feet; thence N00°10'58"W, 70.00 feet; thence N89°49'02"E, 648.23 feet to the East line of said Section 22; thence S 00°10' 58"E, 504.53 feet to the Point of Beginning. Containing 8.61 acres more or less and subject to the rights of the public in Tooley Road and any easements and restrictions of record or otherwise.

PARCEL A1:

Part of the Southwest 1/4 of Section 15 and part of the Northeast 1/4 of Section 21 and part of the Northwest 1/4 of Section 22 all being in T3N-R4E, Howell Township, Livingston County, Michigan being more particularly described as follows: Beginning at the Southwest corner of said Section 15; thence along the East-West 1/4 line of said Section 15, N 00°41'58" W, 1550.05 feet; thence S 72°38'48" E, 415.16 feet; thence S 49°43'37" E, 520.72 feet; thence S 44°20'47" E, 771.84 feet; thence S 00°39'20" E, 535.07 feet to the South line of said Section 15, also being the North line of said Section 22; thence along said line, N 89°53'29" E, 190.10 feet; thence S 00°27'42" E, 1521.71 feet; thence S 87°10'36" W, 247.71 feet; thence S 00°28'17" E, 1129.02 feet to the East-West 1/4 line of said Section 22 and the centerline of Bowen Road (66 feet wide); thence along said line, S 89°59'07" W, 937.41 feet; thence N 00°09'59" W, 184.00 feet; thence S 89°59'08" W, 339.05 feet to the West line of said Section 22, also being the East line of said Section 21 and the centerline of Tooley Road (66 feet wide); thence along said line, N 00°10'58" W, 1148.75 feet; thence S 89°49'02" W 648.23 feet; thence S 00°10'58" E 70.00 feet; thence S 89°49'02" W 142.73 feet; thence S 00°10'58" E 431.98 feet; thence N 89°59'53" W, 524.35 feet; thence S 00°15'37" E, 828.27 feet to the East-West 1/4 line of said Section 21 and the centerline of said Bowen Road; thence along said line S 90°00'00" W, 536.20 feet; thence N 00°21'24" W, 350.00 feet; thence S 89°58'00" W, 250.07 feet; thence N 00°24'44" W, 62.53 feet; thence N 89°59'20" W, 527.87 feet to the North-South 1/4 line of said Section 21; thence along said North-South 1/4 line, N 00°21'24" W, 918.96 feet; thence S 89°53'58" E, 1316.16 feet; thence N 00°15'59" W, 1332.40 feet to the North line of said Section 21 and the centerline of Warner Road (66 feet wide); thence along said line, S 89°55'46" E, 1318.25 feet to the Northeast corner of said Section 21 and the Point of Beginning. Containing 199.51 acres more or less and subject to the rights of the public over the existing Warner Road, Bowen Road and Tooley Road, and also any other easements and restrictions of record.

PEA
 2900 E Grand River Ave.
 Howell, MI 48843
 (517) 546-8583

PROFESSIONAL ENGINEERING ASSOCIATES		
CLIENT: BURTON KATZMAN		
SCALE: NTS	FIELD: MB/JA	DRAWN: TGS
DATE: 06-08-05		
JOB: 2004-072	04072BND/DWG/04072 Act 132 difco.DWG	
DWG. No: 3 OF 4	REVISED:	



CERTIFICATE OF SURVEY

SECTION CORNER WITNESSES

South 1/4 corner Section 15, T3N-R4E

- Found 1/2" iron rod w/cop #19826
- S 85° E - 26.58' - Spike in 18" Mople
- S 65° E - 10.10' - Spike in 10" Elm
- N 60° W - 29.41' - Spike in 7" Elm
- S 55° W - 50.52' - Spike in 20" Box Elder

Southwest Corner Section 15, T3N-R4E

- Found 1/2" Iron Rod w/ Livingston County Remon Cap #14762
- EAST - 44.27' - Remon nail and tag north side of 40" Pine
- S 30° E - 57.11' - Found remon nail and tag northeast side of 20" Locust
- S 40° W - 68.29" - Found remon nail and tag northwest side of 20" Locust
- N 40° W - 32.21' - Found Boss nail and tag southwest side of 6"x6" wood post

East 1/4 corner Section 21, T3N-R4E

- Found 1/2" Iron Rod w/ Livingston County Remon Cap #14762
- S 74° E - 106.18' - Spike and tag south side of 40" Oak
- S 57° E - 68.21' - Spike and tag south side of 8" Oak
- S 75° W - 85.88" - Spike and tag north side of 36" Oak
- N 14° W - 78.28' - Spike and tag east side of 7" Walnut

West 1/4 Corner Section 15, T3N-R4E

- Found 1/2" ReRod w/ 1 1/4"x 36" Pipe w/ Livingston County Remon Cap #35999
- N 30° E - 27.85' - Spike and remon tag northwest side of 26" Oak
- S 80° W - 7.26' - Spike and remon tag north side of 10" Cherry
- N 45° W - 12.44' - Spike and remon tag northeast side of 12" Cherry
- NORTH - 29.18' - Spike and remon tag west side of 8" Cherry

North 1/4 Corner Section 21, T3N-R4E

- Found 1/2" Rod w/ 1 1/4"x 36" Pipe w/ Livingston County Remon Cap #14762
- N 40° E - 27.87' - Nail northwest side of 28" Mople
- S 50° E - 23.87' - Nail north side of 12" Apple
- S 70° W - 7.21' - Nail north side of 10" Cherry
- N 55° W - 12.38' - Nail south side of 12" Cherry

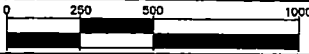
Center of Section 21, T3N-R4E

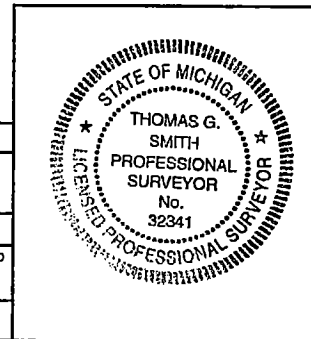
- Found 1/2" Rebar
- N 10° E - 28.44' - Nail and tag east side of 30" Oak
- N 45° W - 49.56' - Spike south side twin 12" Maple
- S 05° E - 37.76' - Spike west side of 18" Hackory
- S 80° E - 114.05' - Nail and tag north side 16" Maple

BEARINGS FOR THIS SURVEY ARE BASED ON THE EAST-WEST 1/4 LINE OF SECTION 21 BEING S 90°00'00" W, PER SURVEY BY WASHTENAW ENGINEERING, DATED FEBRUARY 7, 1997.



**2900 E Grand River Ave.
Howell, MI 48843
(517) 546-8583**

PROFESSIONAL ENGINEERING ASSOCIATES		
CLIENT: BURTON KATZMAN		
SCALE: NTS	FIELD: MB/JA	DRAWN: TGS
DATE: 6-08-05		
JOB: 2004-072	04072BND/DWG/04072 Act 132 difco.DWG	
DWG. No: 4 of 4	REVISED:	





JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



August 13, 2004

Mr. Manny Kniahynycky, P.E.
MiK Development & Consulting
3680 Edinborough
Rochester Hills, Michigan 48306

AUG 18 2004

Dear Mr. Kniahynycky:

SUBJECT: Floodplain Information, South Branch Shiawassee River
Sections 15, 21 & 22, T3N, R4E; Howell Township, Livingston County

This is in follow-up to your request for 100-year floodplain information for a parcel of property along the South Branch Shiawassee River in the SW $\frac{1}{4}$ of Section 15 and the NW $\frac{1}{4}$ of Section 22 of Howell Township, Livingston County.

A detailed floodplain study has not been done for this portion of the South Branch Shiawassee River. However, based on the information available in our office, the 100-year flood elevation for the South Branch Shiawassee River at this site is estimated to be approximately 7 feet above low water levels of the river. Based on the topographic information you provided, the 100-year flood elevation varies from approximately 868 feet (plan datum) at the north property limit of Parcel B to about 874 feet at Bowen Road.

Any occupation or alteration of the 100-year floodplain will require a permit from the Department of Environmental Quality (DEQ) under the Floodplain Regulatory Authority found in Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).

In general, construction or fill may be permitted in the portions of the floodplain that are not floodway, provided local ordinance and building standards are met, and compensating excavation is provided equal to the volume of fill in the floodplain. Floodways are the channel of a river or stream and those portions of the floodplain adjoining the channel which are reasonably required to carry and discharge the 100-year flood; these are areas of moving water during times of flood.

New residential construction is specifically prohibited in the **floodway** portion of the floodplain. Non-residential construction may be permitted in the floodway; however, a detailed engineering analysis may be required to demonstrate the impact the floodway alteration may have on the flow-carrying capacity of the river. The location of the floodway would be identified during the permitting process. As an initial estimate,

Mr. Manny Kniahynycky, P.E.
Page 2
August 13, 2004

ground elevations that are less than 6 feet above the low water levels of the river may be considered to be floodway.

The Michigan Residential Building Code enforced within the Township requires that the lowest floor of a house within the 100-year floodplain be elevated one foot above the 100-year flood elevation; a basement floor (a floor that is below grade on all four sides) must be at or above the 100-year flood elevation.

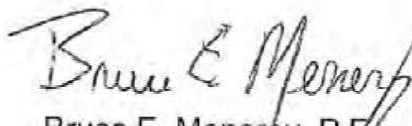
The site plan indicated that a wetland assessment has been done by a wetland consultant. A permit, under the authority of Part 303, Wetlands Protection, of the NREPA would be required prior to any filling, dredging, or construction activities within regulated wetland areas.

If the project will impact wetlands, please contact Mr. Tom Kolhoff in our Lansing District Office at 517-335-6270 for information. The joint permit application, which includes both floodplain and wetland activities, may be found at the following internet address:

<http://michigan.gov/deq/0,1607,7-135--17622--,00.html>

Should you have questions on the floodplain permitting requirements, please contact Ms. Donna Cervelli, also in our Lansing District Office, at 517-335-6266. If I can be of further assistance, feel free to contact me.

Sincerely,



Bruce E. Meneray, P.E.
Hydrologic Studies Unit
Land and Water Management Division
517-335-3181

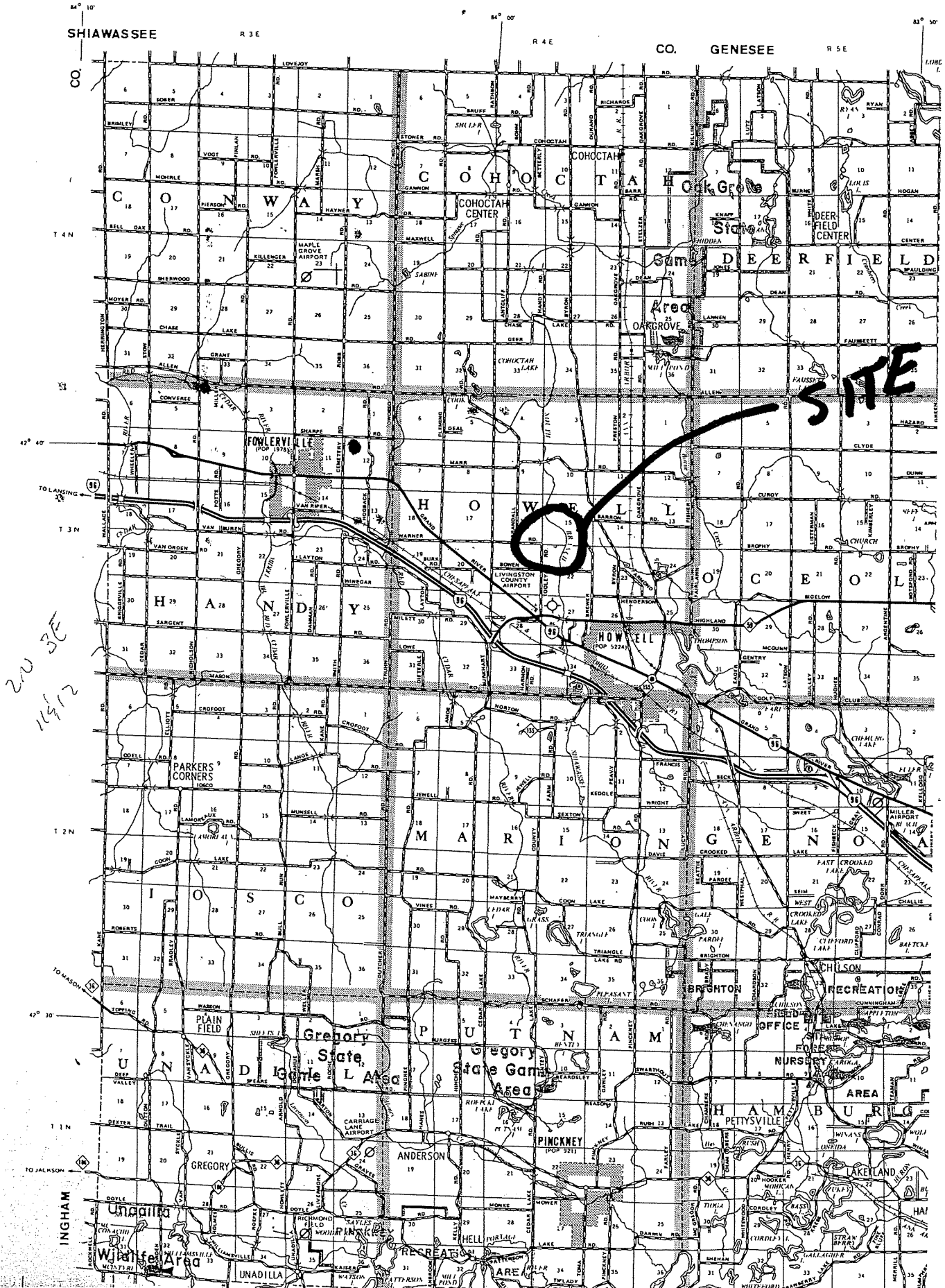
cc/enc.: Howell Township Supervisor
Livingston County Building Department
Ms. Donna Cervelli, MDEQ, LWMD, Lansing District

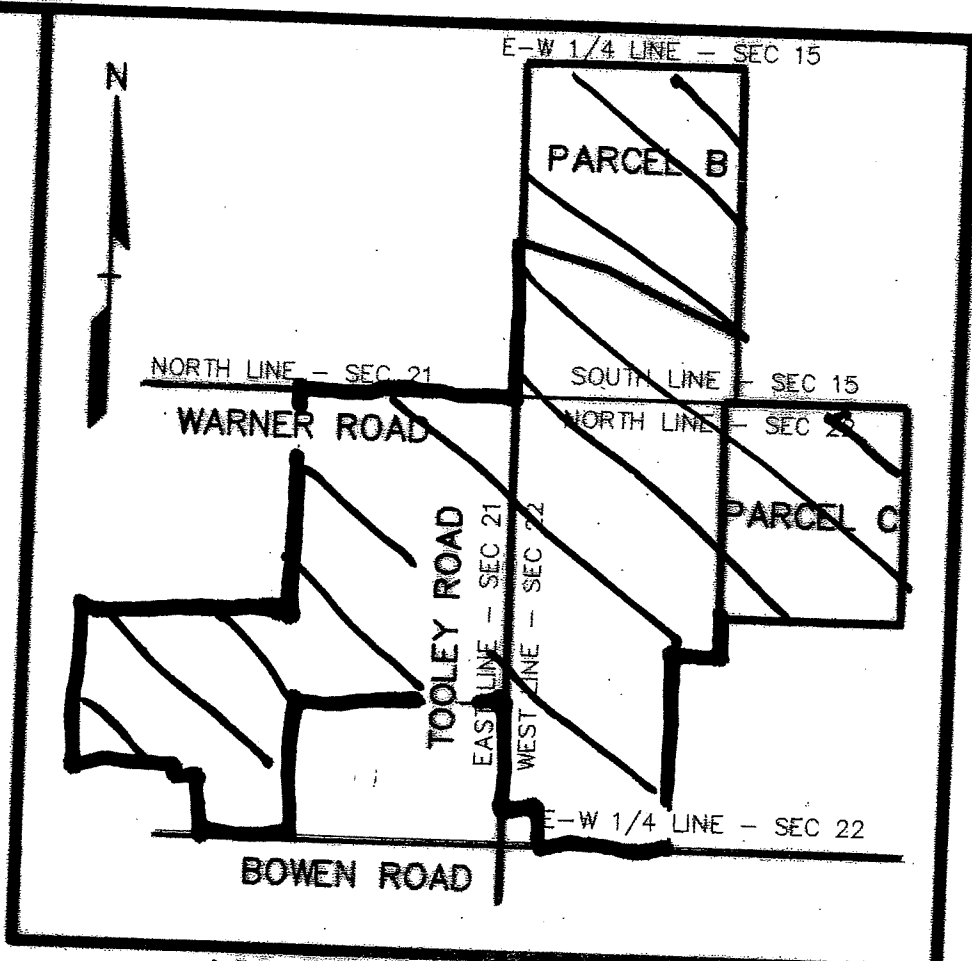
- RAILROADS
- RAILROAD STATION
- RAILROAD ABOVE ROAD
- RAILROAD BELOW ROAD
- RAILROAD TUNNEL
- NARROW GAUGE RAILROADS
- ABANDONEO RAILROADS
- UTILITY LINES (LABELED AS TO TYPE)

- TOWNS
- UNINCORPORATED COMMUNITIES
- INCORPORATED CITY OR VILLAGE
- COUNTY SEAT
- RECREATIONAL LODGES OR CAMPS
- LANDMARKS, FOURCORNERS, ETC.
- TOWN HALLS

FEDERAL LAND

SCALE IN MILES
On all county maps contained in this book 3/8 inch equals 1 mile.



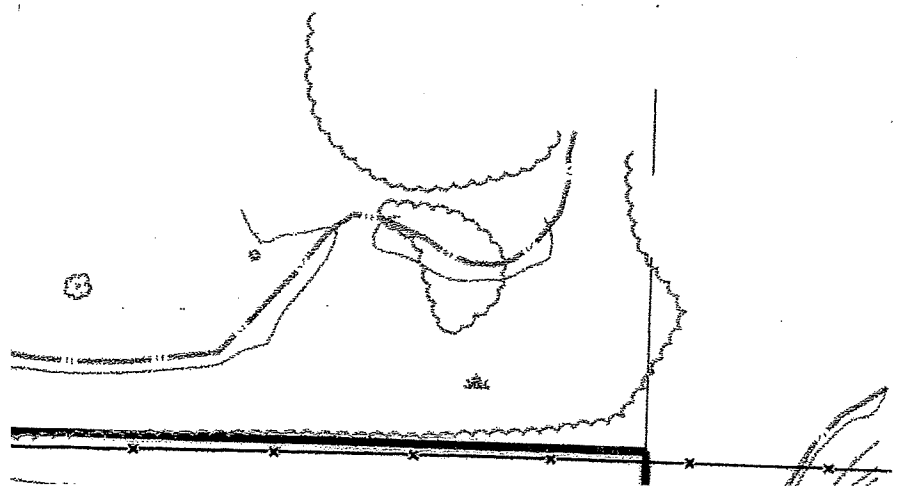


LOCATION MAP

NO SCALE

T3N, R4E

Howell Township, Livingston County



0615-30-001

BIOTECH AGRONOMICS

New Site Transmittal-Twp and County Health Dept

To: Livingston County Health Dept
2300 E Grand River Ave
Suite 102
Howell, MI 48843

From: Kerry Taylor - Land Manager
1651 Beulah Hwy
Beulah, MI 49617

Facility: Milford WWTP

Date: 6/16/2014

Site ID: 03N04E15-HT02

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 19 2014
ENVIRONMENTAL
HEALTH DEPARTMENT

SITE I.D. INFORMATION SHEET

Date 6/16/2014 Facility Milford WWTP

NPDES # MI0023604 Site I.D. 03N04E15-HT02

Site Location NE corner Warner & Tooley Roads County Livingston

Township Howell 1st ¼ SW

Section 15 2nd 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 Zip 48855

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 Crop corn 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

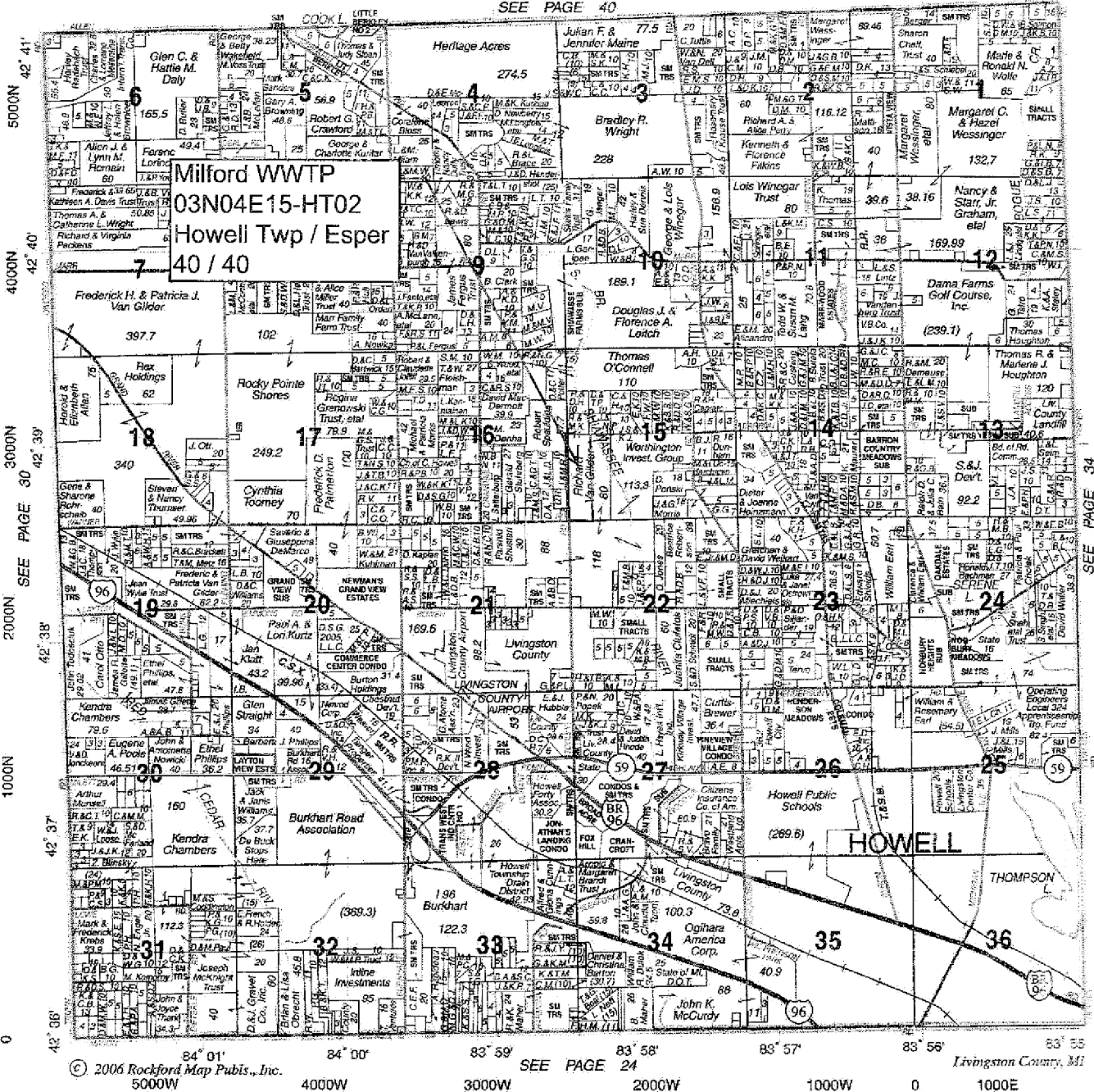
Complete the following information and provide the attachments listed below for each new site or existing site that has not had a Site Identification Form with attachments submitted to the DEQ since January 1, 1998. Please amend any previous Site Identification Forms when it becomes known that any of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

SITE IDENTIFICATION FORM													
FACILITY NAME Milford WWTP			NPDES or COC PERMIT NUMBER MI0023604										
A. Site ID	Site ID # 03N04E15-HT02	Street or Route # NE corner Warner & Tooley Roads											
B. County/Township:	County Livingston	Township Howell											
C. State Planar Coordinates:	SW 1/4	NE 1/4	Section 15	Town 3N	Range 04E								
D. Lat/Long (nearest second):	Latitude N 42° 38' 38"	Longitude W 83° 58' 30"	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 agreement from the owner to land apply? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, written agreement is required		Previous landowners name Van Gilder										
			Property purchase date 2009										
	Name of Lessee (if different) Patrick Easper		Phone 517-404-3328										
	Street or P.O. Box 3025 Jewell Road												
	City or Town Howell		State MI	Zip 48855									
F. Site Characteristics	Site Type <input checked="" type="checkbox"/> Agricultural <input type="checkbox"/> * Reclamation Site <input type="checkbox"/> Forest <input type="checkbox"/> ** Lawn/Home Garden <small>*Separate approval is required **Requires EQ Biosolids</small>		Soils Information Date of last soils analysis <u>4/9/2014</u> *Phosphorous <u>47</u> units <u>ppm</u> Potassium <u>61</u> units <u>ppm</u> pH <u>7.4</u> Soil type(s) <small>*300 lb/ac Bray P1 maximum</small> See Attached										
	Expected crops/vegetation to be grown <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Crop/Vegetation</th> <th style="width: 50%;">Nitrogen Requirement</th> </tr> </thead> <tbody> <tr> <td>Com</td> <td>100 lbs. N/acre</td> </tr> <tr> <td>_____</td> <td>_____ lbs. N/acre</td> </tr> <tr> <td>_____</td> <td>_____ lbs. N/acre</td> </tr> </tbody> </table>		Crop/Vegetation	Nitrogen Requirement	Com	100 lbs. N/acre	_____	_____ lbs. N/acre	_____	_____ lbs. N/acre	Percent slope Highest percent slope of the site? <input checked="" type="checkbox"/> 0-6% <input type="checkbox"/> 6-12% <input type="checkbox"/> *Higher (Requires an approved site reclamation plan)		
Crop/Vegetation	Nitrogen Requirement												
Com	100 lbs. N/acre												
_____	_____ lbs. N/acre												
_____	_____ lbs. N/acre												
	Total acreage of site <u>40</u> Acreage used for crops <u>40</u>		If agricultural, is the site tilled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA										
	Public Exposure Is this land with a high potential for public exposure? (See Definitions section on Page 19) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No												

On an attached sheet provide a copy of the following:

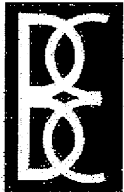
- A Farm Services Agency map (formerly ASCS) of the proposed application site with property boundaries, surface waters, and discharge location of field tiles when present.
- A copy of the soil test analysis that is no older than 2 years old at the time of land application.
- A copy of the plat map (or other map showing property dimensions) with the proposed land application site highlighted.
- A soil survey map with the land application site identified.

SEE PAGE 40



SEE PAGE 34

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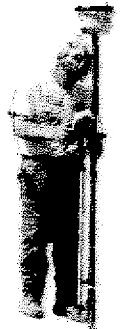


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- ALTA Surveys



Biotech Agronomics, Inc.
P.O. Box 180
Benzonia MI 49616
231-325-5011

Date: 6/16/2014

To: MDEQ
 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
2300 E Grand River Ave
Suite 102
Howell, MI 48843

From: Kerry Taylor - Land Manager
1651 Beulah Hwy
Beulah, MI 49617

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 19 2014
ENVIRONMENTAL
HEALTH DEPARTMENT

SITE I.D. INFORMATION SHEET

Date 5/29/2014 Facility Pontiac WWTP
NPDES # M10023925 Site I.D. 03N04E15-HT01
Site Location NE corner Warner & Tooley Roads County Livingston
Township Howell 1st ¼ SW
Section 15 2nd 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 Zip 48855
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 Crop corn 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

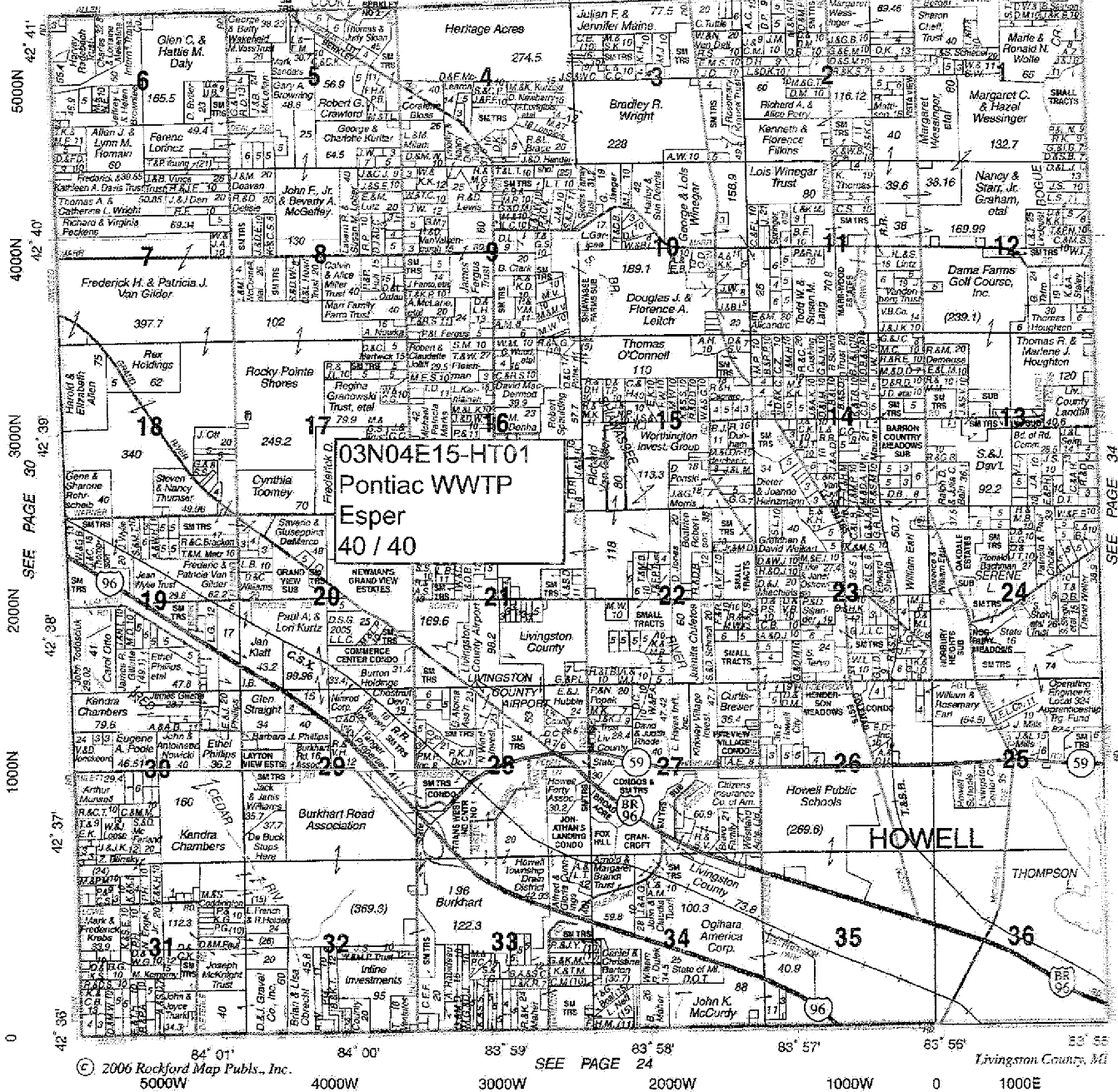
Complete the following information and provide the attachments listed below for each new site or existing site that has not had a Site Identification Form with attachments submitted to the DEQ since January 1, 1998. Please amend any previous Site Identification Forms when it becomes known that any of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

SITE IDENTIFICATION FORM					
FACILITY NAME Pontiac WWTP			NPDES or COC PERMIT NUMBER MI0023925		
A. Site ID	Site ID # 03N04E15-HT01	Street or Route # NE corner Warner & Tooley Roads			
B. County/Township:	County Livingston		Township Howell		
C. State Planar Coordinates:	SW 1/4	NE 1/4	Section 15	Town 3N	Range 04E
D. Lat/Long (nearest second):	Latitude N 42° 38' 38"		Longitude W 83° 58' 30"		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 agreement from the owner to land apply? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, written agreement is required			Previous landowners name Van Gilder Property purchase date 2009	
F. Site Characteristics	Name of Lessee (if different) Patrick Easper			Phone 517-404-3328	
	Street or P.O. Box 3025 Jewell Road				
	City or Town Howell			State MI	Zip 48855
	Site Type <input checked="" type="checkbox"/> Agricultural <input type="checkbox"/> Forest <input type="checkbox"/> * Reclamation Site <input type="checkbox"/> ** Lawn/Home Garden <small>*Separate approval is required **Requires EQ Biosolids</small>			Soils Information Date of last soils analysis 4/9/2014 *Phosphorous 47 units ppm Potassium 61 units ppm pH 7.4 Soil type(s) <small>*300 lb/ac Bray P1 maximum</small> See Attached	
Expected crops/vegetation to be grown			Percent slope		
Crop/Vegetation Nitrogen Requirement Corn 100 lbs. N/acre ____ ____ lbs. N/acre ____ ____ lbs. N/acre			Highest percent slope of the site? <input checked="" type="checkbox"/> 0-6% <input type="checkbox"/> 6-12% <input type="checkbox"/> *Higher (Requires an approved site reclamation plan)		
Total acreage of site 40 Acreage used for crops 40			If agricultural, is the site tiled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA		
Public Exposure Is this land with a high potential for public exposure? (See Definitions section on Page 19) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

On an attached sheet provide a copy of the following:

- 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.
- A copy of the soil test analysis that is no older than 2 years old at the time of land application.
- A copy of the plat map (or other map showing property dimensions) with the proposed land application site highlighted.
- A soil survey map with the land application site identified.

SEE PAGE 40



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- Boundary and Lot Surveys
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Biotech Agronomics, Inc.

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

Date: 5/29/2014

To: MDEQ
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Subject: Biosolids Applications Notification

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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

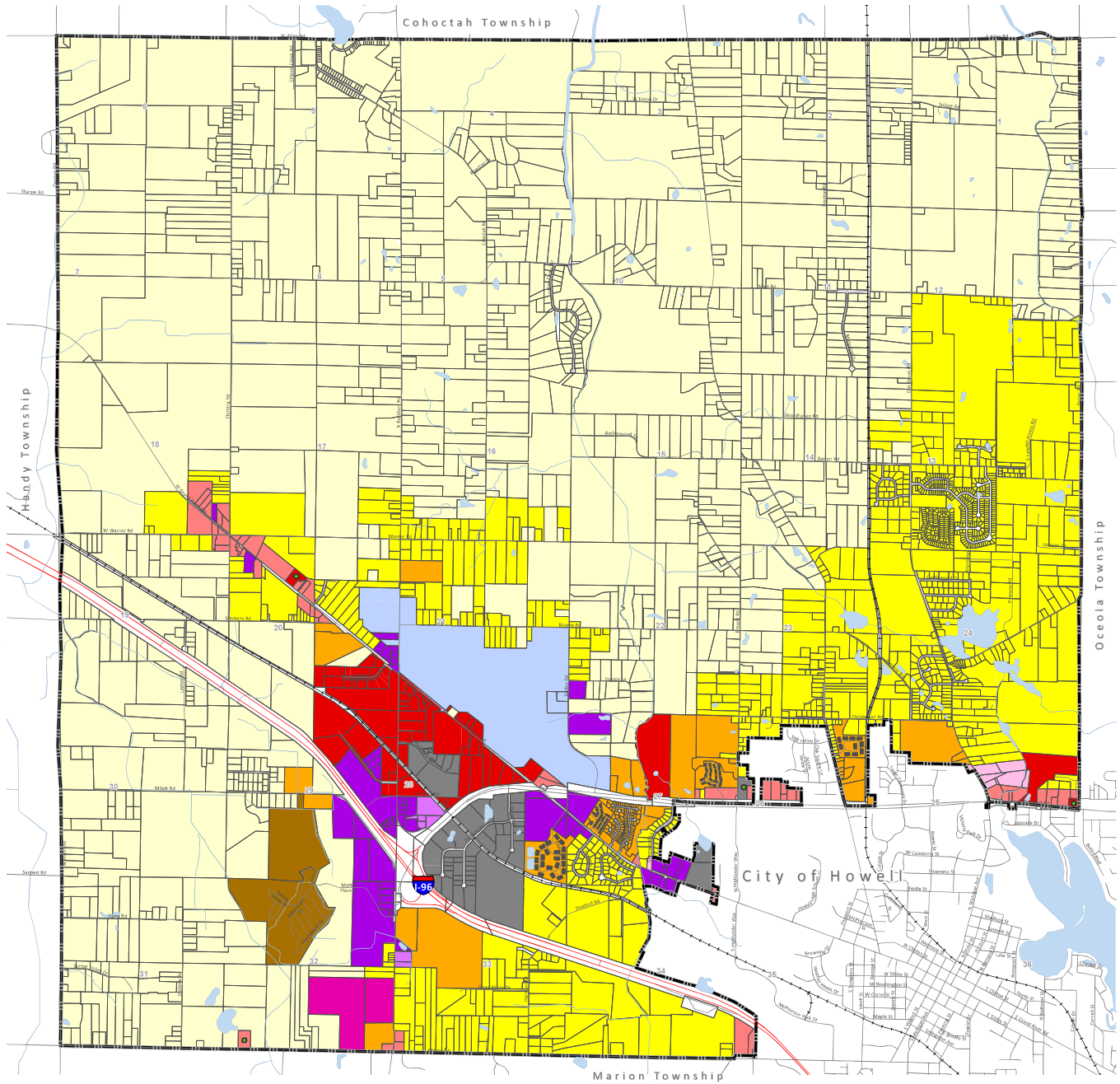
The following analytical data represents the average contents of the biosolids that will be applied in your area. The U.S. EPA has developed the maximum limits from over 20 years of research. These limits represent a conservative annual application rate and at no time shall biosolids be applied which 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 Designation	
Conditional Zoning	NSC - Neighborhood Service Commercial
PUD - Planned Unit Development	HSC - Highway Service Commercial
AR - Agricultural Residential	RSC - Regional Service Commercial
SFR - Single Family Residential	IFZ - Industrial Flex Zone
MFR - Multiple Family Residential	I - Industrial
MHD - Manufactured Housing District	RT - Research & Technology
OS - Office Service	

CERTIFICATION

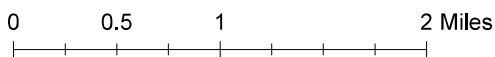
This is to certify that this is the official Zoning Map referred to in the Zoning Ordinance of Howell Township, Livingston, Michigan.

Township Supervisor [Signature] Date: 7/1/2024

Township Clerk [Signature] Date: 7/1/2024

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



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/13/24

Site Name:

2275 Tooley
2275 Tooley
Howell, MI 48855
EDR Inquiry # 7847279.8

Client Name:

Applied Science & Technology
10448 Citation Drive
Brighton, MI 48116
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:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
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

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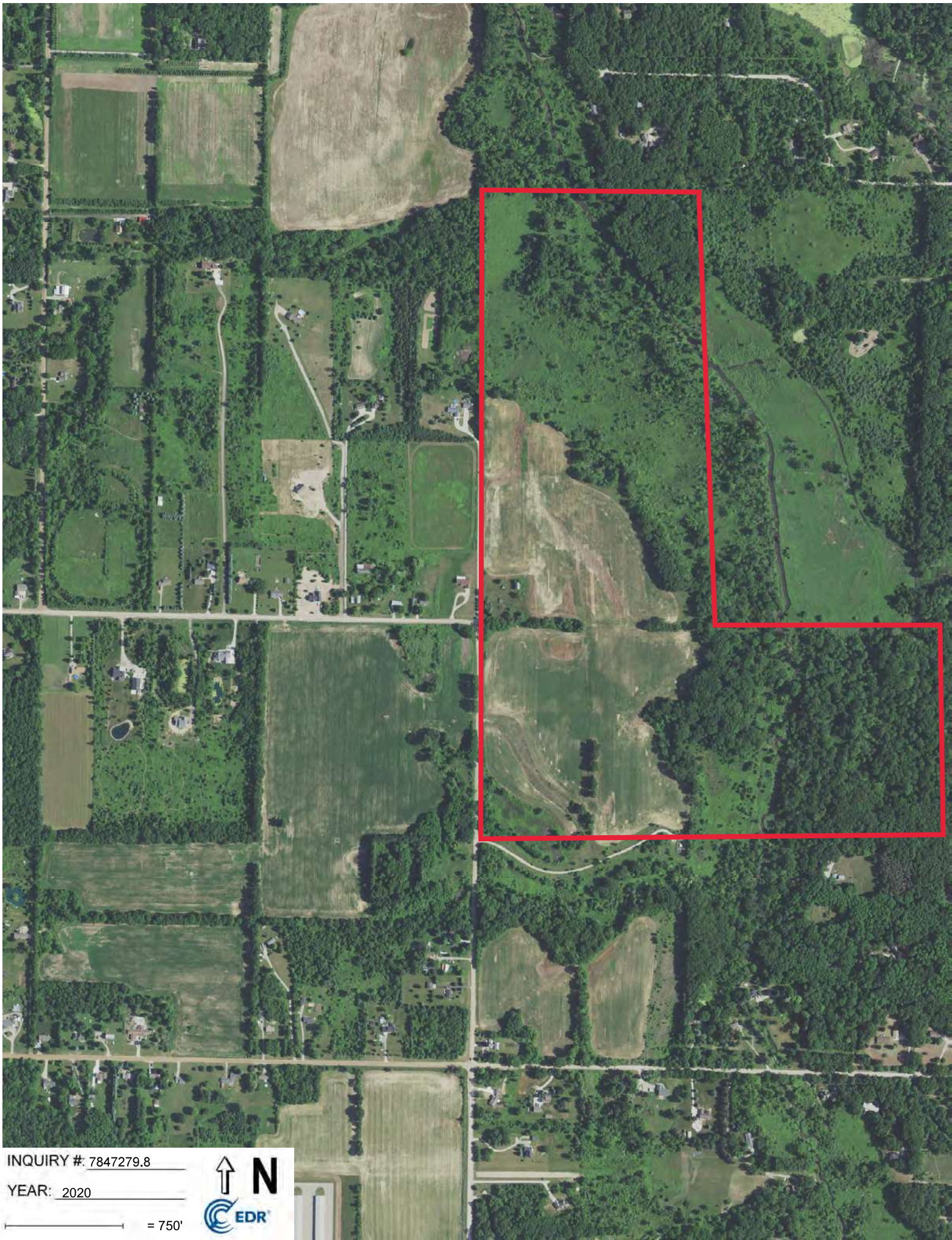
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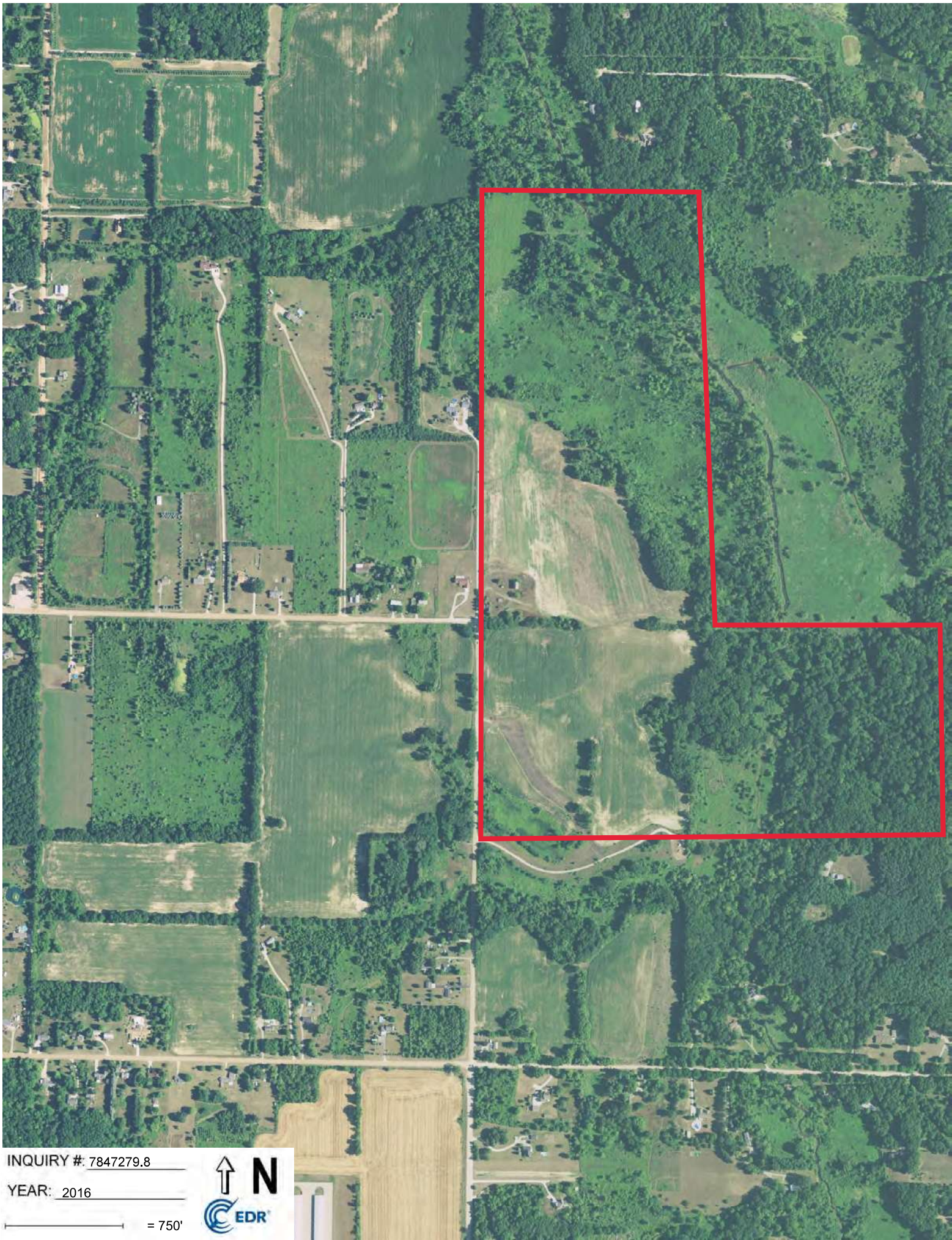


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YEAR: 2020

— = 750'





INQUIRY #: 7847279.8

YEAR: 2016

— = 750'



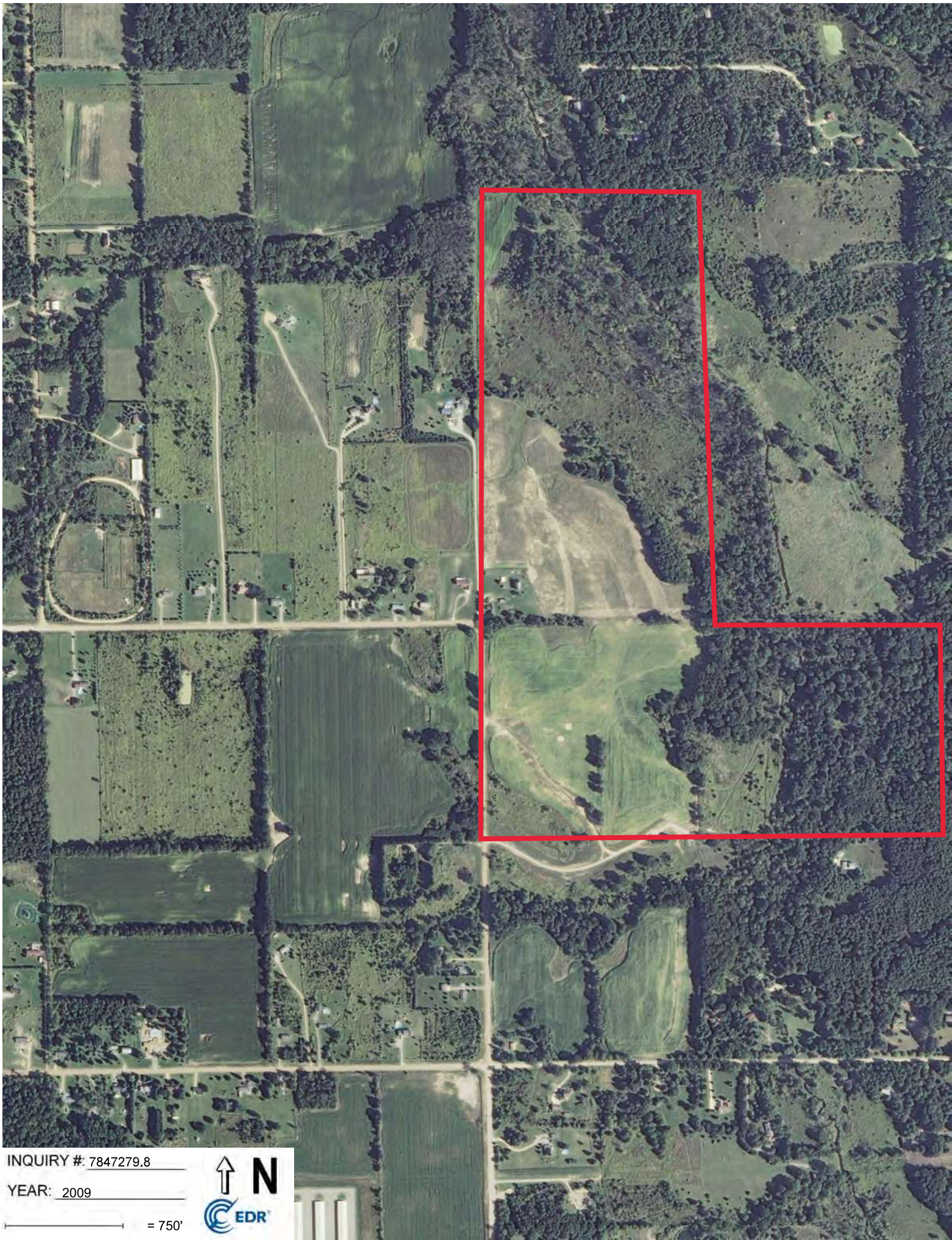


INQUIRY #: 7847279.8

YEAR: 2012

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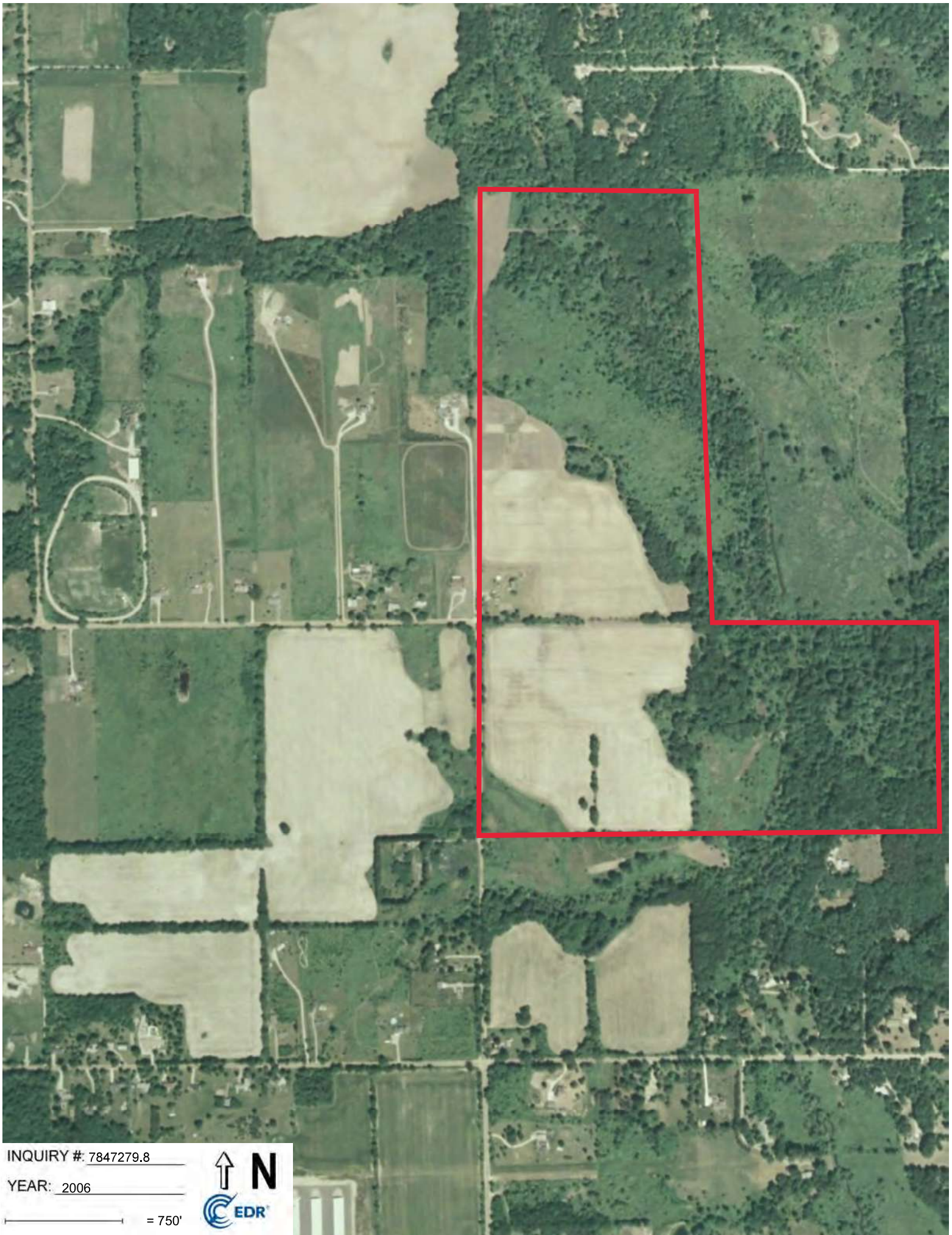


INQUIRY #: 7847279.8

YEAR: 2009

— = 750'





INQUIRY #: 7847279.8

YEAR: 2006

— = 750'





INQUIRY #: 7847279.8

YEAR: 1998

— = 750'



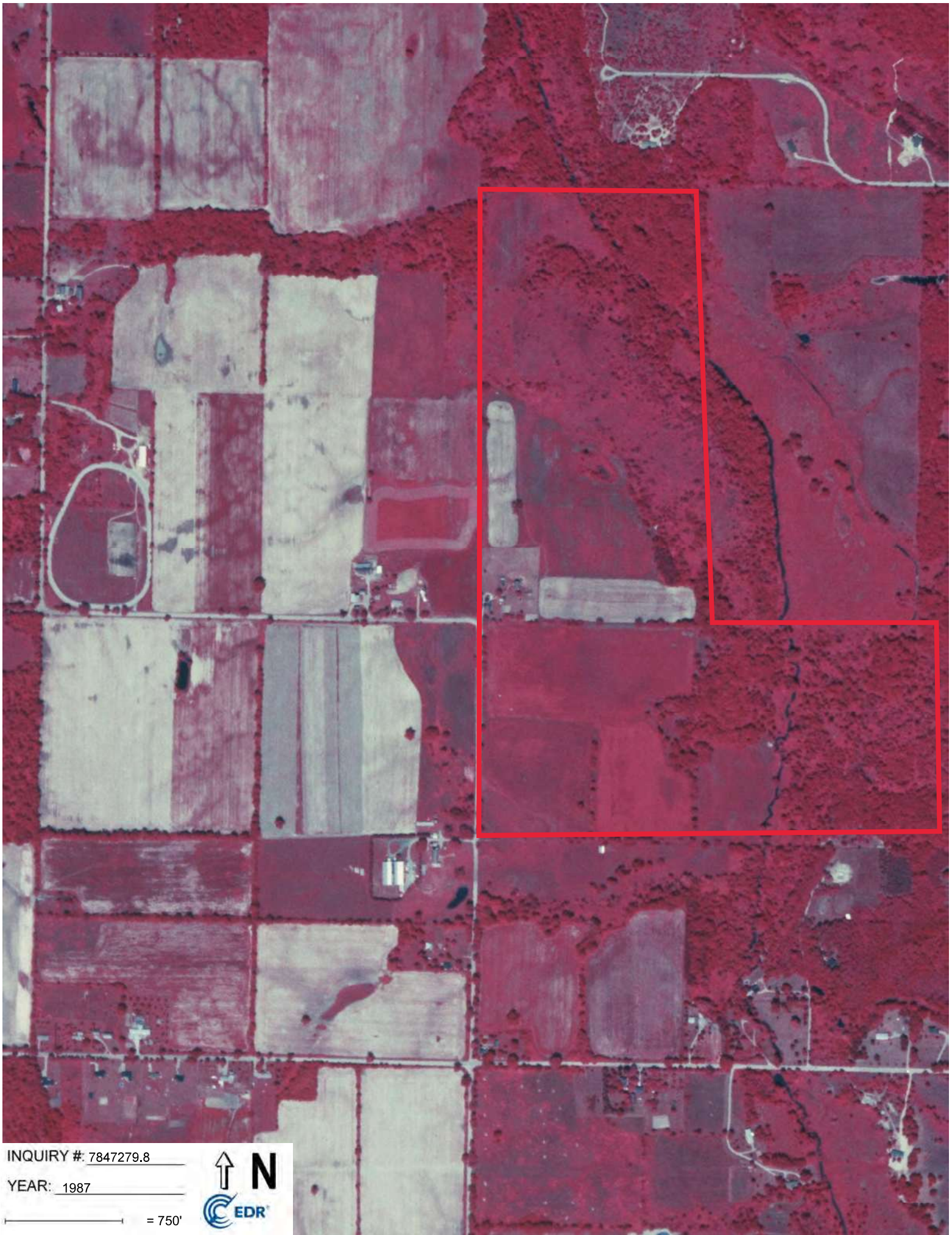


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YEAR: 1992

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INQUIRY #: 7847279.8

YEAR: 1987

— = 750'





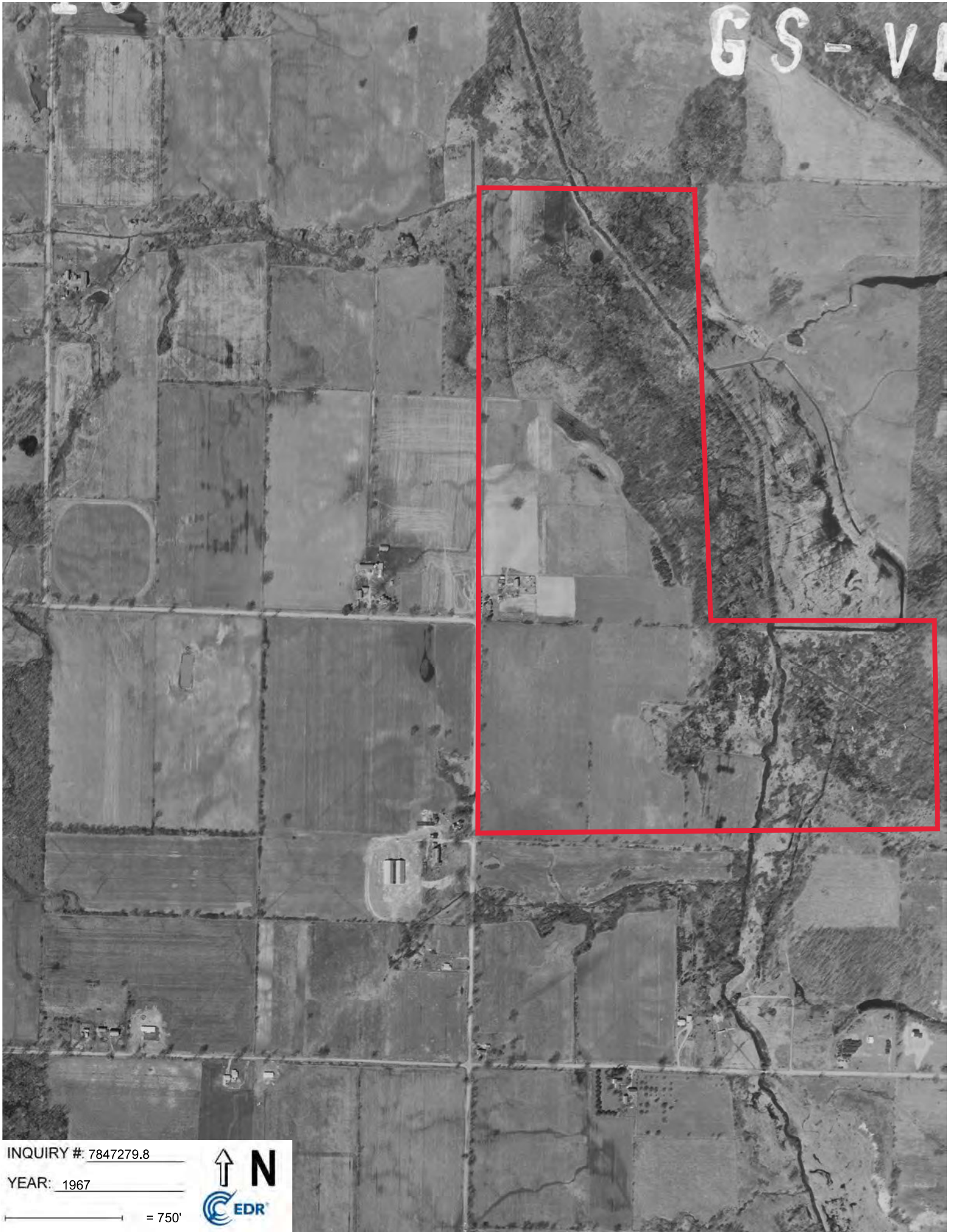
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YEAR: 1975

— = 750'



GS-VI



INQUIRY #: 7847279.8

YEAR: 1967

— = 750'





INQUIRY # 7847279.8

YEAR: 1955

— = 750'





INQUIRY # 7847279.8

YEAR: 1949

— = 750'





INQUIRY #: 7847279.8

YEAR: 1937

— = 750'



2275 Tooley
2275 Tooley
Howell, MI 48855

Inquiry Number: 7847279.3

December 12, 2024

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/12/24

Site Name:

2275 Tooley
2275 Tooley
Howell, MI 48855
EDR Inquiry # 7847279.3

Client Name:

Applied Science & Technology
10448 Citation Drive
Brighton, MI 48116
Contact: Bailey Bishop



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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
Project A24-1988.00



Sanborn® Library search results

Certification #: 139D-4FB4-914F

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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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

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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, Polk, 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.

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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>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
1987	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bresser's Cross-Index Directory Company
1983	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bresser's Cross-Index Directory Company
1977	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bresser's Cross-Index Directory Company
1972	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bresser's Cross-Index Directory Company
1970	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1965	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1961	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

2275 Tooley
Howell, MI 48855

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>TOOLEY</u>			
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

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

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>BOWEN</u>			
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

FINDINGS

Year CD Image 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

City Directory Images

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 Puro Karen Puro
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 Raquel Gerkin
2851	Kellie Miller Stephen Ripper
2990	Daniel Gorski Karen Gorski Leo Gorski Mark Gorski Samuel Gorski
3102	Alan Daavettila Beth Daavettila Brooke Daavettila Hollie Daavettila Kassie Daavettila Luke Daavettila Lydia Daavettila Natalie Daavettila
3150	Amber Carnahan Garry Carnahan Kimberly Carnahan
3174	Allan Foote Catreena Foote
3196	Barker Barbara Grant Ward Richard Barker
3197	Destrey Fix Robert Kelly
3225	Roberta Crain

BOWEN RD 2020 (Cont'd)

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
	Mary Campbell
3430	Donald Skinner
3445	Nicholas Beach
3450	Robert Price
	Tail Price
3477	Christina Kraiger
	Christina Resetar
	Dennis Resetar
	James Kraiger
	Ruthanna Resetar
3500	Tricia Zambon
3522	Krystine Hodge
	Scott Britt
3564	Beth Huhta
	Elise Wuollet
	Juliana Huhta
	Paul Huhta
3570	Jared Baugh
	Michelle Baugh
	Sarah Gutzke
3572	Charley Root
	Cheryl Root
	Jeffrey Root
3600	BADER ACRES
	Dale Bader
	Linda Bader
3679	Amanda Turner
	Chris Turner
	CONSTRUCTION HELICOPTERS
	HELIGROUP PUMA II LLC
	PREFERRED AVIONICS
	Robert Dalton
3730	Daniel Hillman
	George Hillman
	Joseph Hillman
	Victoria Hillman
3740	Kristy Rohn

BOWEN RD 2020 (Cont'd)

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

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
	John Mather
2070	Caitlinn Fauer
	Carrie Fauer
	Douglass Fauer
2079	Debra Ostafin
	Joseph Ostafin
	Thomas Ostafin
2090	Cheryl Farida
	Sajid Farida
2125	Alexandra Ford
	Katie Ford
	Sharon Ford
	Timothy Ford
2131	Robert Greenlees
2160	Rebecca Jacobson
2222	Joseph Donley
	Marie Donley

BREWER RD 2020 (Cont'd)

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
	Sandra Dutt
2645	Christopher Sperling
	Thomas Sperling
2677	Lee McKenzie
	Marjorie McKenzie
	Mark McKenzie
2723	Danny Bostic
	Hazel Bostic
2779	Christopher Stebbins
2832	Angel Lefevre
	Marissa Berry
	Scott Lefevre
2835	Edward Drechsler
	Marlene Drechsler
2900	Kayedon Lechevalier
2923	Beth Havlik
	Brian Havlik
2930	Brittany Butler
	Dawnita Stachurski
	Leo Wines
	Paul Butler
	Sarah Butler
2945	Robert Wilson
3005	Carol Whalin
	Tracy Hartsuff

BREWER RD 2020 (Cont'd)

3005	William Whalin
3010	Larry Owens Myra Owens
3013	Craig Bilinski Nichelle Bilinski
3017	Ashley Shinn Holly King Jessica Nirowski Joseph Wurmlinger
3021	Christina Pahl Jeffrey Pahl
3022	Kelly Hang Mai Yang
3060	David Golm Gordon Golm Leroy Golm Mary Golm Nancy Golm Steven Golm
3121	Jason Blair 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 Rachel Briggs
3380	John Moules
3395	Adam Perreault Phyllis Misenar 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

TOOLEY RD 2020

1880	Bradley Ingersoll
	Connie Miner
	Daniel Miner
	Ralph Mervyn
	Sandra Killian
2050	Harry Bailey
2061	Jenny Harrison
	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
	Michael Wetherbee
2530	Dennis Fijalkowski
	Marie McDonald
2585	Gregory Walters
2601	David Peterson
	Jaclyn Morcom
	Tracey Walter

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 Raymond Perkins
3628	Frazie Barnes Guy Davidson Mark Kemp Sherrie Davidson
3697	Cheryl Walsh Doris Klay Roy Klay
3710	Karl Berg Natalie Berg
3718	Jennifer Schick
3743	Catherine Dufrin Jozylynn Dufrin William Dufrin

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

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 DAAVETILA, ALAN G
3150 CARNAHAN, GARRY R
3174 FOOTE, ALLAN D
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 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

Target Street

Cross Street

Source

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Cole Information

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
2723 BOSTIC, DANNY A
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
3250 KROROSKY, KEVIN D

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 DAAVETILA, 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

Target Street

Cross Street

Source

-

✓

Cole Information

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



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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,

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

BOWEN RD 2010

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
2308 PUROL, JOHN M
2320 BARBARY, RICHARD W
2374 KENNEY, WILLIAM T
2480 JONES, DOUGLAS E
2521 LIVINGSTON STAIRWAY
2535 PICHNER, EVELYN I
2552 SHIELDS, MICHAEL T
2610 PETRE, JAMES W
2620 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 DAAVETILA, 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
BADER, DALE A
3679 CONSTRUCTION HELICOPTERS
PREFERRED AVIONICS
3680 ALLIN, JOSH
3730 HILLMAN, GEORGE T

Target Street

Cross Street

Source

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Cole Information

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 MORRIS, GARY W
2255 SKAGGS, PAUL M
2278 JOHNSON, ALAN C
2344 BEST, CAROL A
2381 SEE, DANIEL E
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
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
3300 HOFFMEYER & SONS FRAME SHOP

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



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TOOLEY 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

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 DAAVETILA, ALAN G
 3150 CARNAHAN, GARRY R
 3174 FOOTE, ALLAN D
 3196 BARKER, RICHARD P
 3197 GUY, ROBIN J
 3225 CRAIN, EUGENE R
 3327 SCHROEDER, HENRY H
 3353 FRANTJESKOS, CHARLES J
 3390 VANVALKENBURGH, KEITH B
 3419 KOESTER, BERNARD F
 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
 ROOT, CHRIS
 3600 BADER ACRES

Target Street

Cross Street

Source

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Cole Information

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

1692	STADDON, EDWARD M
1725	SCHLACK, CHAR
1800	COLELLA, D C
1820	CHEVALIER, ELMER R
1830	GOODRICH, BARNEY B
1900	LAPORTE, 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
	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
	TECHS OF THE WEB INC
2640	JOHNSON, DARIN H
2645	SCHWANKE, DEBORAH L
2677	MCKENZIE, LEE E
2723	BOSTIC, DANNY A
2779	BOSTIC, DANNY
2830	WEIKART, DAVID
2832	LEFEVRE, SCOTT R
2900	LECHEVALIER, KAYE D
2923	LOCKWOOD, ALLEN E
2930	BUTLER, PAUL D
3005	WHALIN, WILLIAM M
3013	WEBSTER LIQUIDATION
	WEBSTER, GENE K
3017	SHINN, STEVE D
3021	BOIK, CATHERINE A
3022	YANG, MAI
3121	MCCUBBIN, JAY
3250	KLASSIC KLEANING & SERVICES
	KROKOSKY, CORLISS S
3280	HOFFMEYER, DAVID A
3295	TARTAGLIA, MICHAEL G
3300	HOFFMEYER & SONS FRAME & COLLISION S
	HOFFMEYER, SHIRLEY J
	JACK HOFFMEYER & SONS

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



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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

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

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 DAAVETILA, 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

BREWER RD 2000

1630 STREBBING, WILLIAM R
 1692 STADDON, EDWARD M
 1725 SCHLACK, DANIEL R
 1820 CHEVALIER, ELMER
 1900 LAPOINTE, LAURA J
 2031 BONHAM, ROSE M
 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
 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
 HOFFMEYER, JACK W
 3311 DICKERSON, JEFFRY
 3319 GARRATT, WILLIS H
 3351 PONSKI, BOGDAN M
 3380 MOULES, JOHN W
 3395 MISENAR, ROBERT E
 3425 BURTON, PAULINE
 WROBLEWSKI, MICHAEL

Target Street

Cross Street

Source

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Cole Information

BREWER RD 2000 (Cont'd)

3430 JACKSON, JAMES E

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

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

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 DAAVETILA, 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

BREWER RD 1995

1630	STREBBING, WILLIAM R
1820	CHEVALIER, ELMER
1900	MEISEL, DONALD T
2021	GREENLEES, ROBERT J
2031	BONHAM, ROSE M
	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	REGHI, N L
2645	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

TOOLEY RD 1995

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

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

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

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



-

TOOLEY RD 1992

1630 CHAPMAN, JAMES R
1676 BODERSEN, STEVE
1740 KNORR, ALAN
1880 WEBSTER, GERARD
1885 HUBBEL, EDWARD
2050 BAILEY, HARRY E
2061 ERICKSON, MICHAEL
2071 GREAT LK STM CLNG
2400 MOON, FRED W
2520 FLEMING, PATRICK JR
2990 PATTERSON&ASSOC
PATTERSON, THOMAS D

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

SEE LAYTON RD

BOWEN RD

HOWELL

	.....R R 10.....		48843
2080	JOSEPH YOGUS	2	5468515
2115	RAYMOND R WILLIAMS	5	5482389
2120	CLYDE NASH	□	5483609
2179*	8ADER LNDSCPNG		5461371
2182		NP	
2300	ROBERT C RYAN	1	5461035
2301		NP	
2320	KEVIN ONEILL	□	5463832
2374	8 ROBERTSON	□	5485172
241D	WILLIAM J MALEWITZ	7	5462155
2480	252D	NP	
2521	ALAN KLAIS	1	5467132
2535	FRANK PICHNER	3	5481306
2610	JAMES W PETRE		5467385
263D	GEORGE M KUDLA		5460972
2643	EDWARD DOANE	9	5462612
2647	CLYDE WATERS	0	5464065
266D	GEORGE C NAYLOR		5463858
270D	LAWR W DIETERLE		546D556
2801	C E WILKINSON JR	5	5463284
2990	3197	NP	
3225	EUGENE R CRAIN		5462752
3327	WILLIAM G RYZYI	1	5463092
3353	MICHAEL FILAS	5	5467009
3381	L GOLEMBIIEWSKI	D	5469486
339D*	I L VANVALKENBURGH		5463650
3419	L GRANT	0	5481825
343D	L R HASSINGER		5466453
3450	R WALLACE	7	5467609
368D	EDWARD R CALDWELL		5460237
3739	LYLE FOWLER		5464395
392D	ROBERT WILCOX		5464215
	32 RESIDENCE	2	8BUSINESS

BOWEN RD

BREWER 1987

STREET	CROSS STREET	CROSS INDEX DIRECTORY	PAGE #
198 198	NP	1820 ELMER CHEVALIER	NP 5464778
200 ERNEST J ISLER	2 2271338	1835	
201 JEFFREY J WILSON	2 2271189	2021 A HAY	NP 5468873
202	NP	2025	
203 W J MCKINNIE	1 2294293	2031 DANIEL GDOWSKI	NP 5460366
204 GORDON W WILLET	9 2292118	2032 DAVID POWELL	B 5469328
25 RESIDENCE		2125 LUTHER P REETZ	-5466827
BRENDA DR	HOWELL	2222 MICHAEL P DONLEY	NP 5469870
*****R R 14*****	48843	2415 DAVID C BORSO	O 5464086
85 MERRY E BERING	5481411	2452 BRYAN HEINIC	1 5481764
THOMAS C BERING	5467178	2515 MARK A CIGAN	B 5464683
88 THOMAS FELIX	NP 5489393	2609	
100 CHARLES SCHULZ JR	4 5481881	2723 DANNY A BOSTIC	9 5468173
125 STEPHEN A THEIL	5 5483817	2835 GEORGE S ANDREWS	5463754
141 JOSEPH GABRIS	5460265	2900 KAYE D LECHEVALIER	5468305
144 ALFRED C SHROYER	5463771	2930 JERRY W VINCENT	7 5469683
7 RESIDENCE		3010 STANLEY CULVER JR	9 5483309
BRENDA LN	NOVI PO	3022 STEVEN SOWERS	4 5460622
*****R R 2*****	48843	3080	
40557 LEO SHIRKEY	B 4778763	3121 M H WIRTH	NP 9 5481762
40801 MELVIN E LINDLEY	4762478	3250*LES H KERN INS	5469464
40630 ROGER A BOWMAN	2 4782724	3295 DUNCAN A MCDONALD	5407428
40621* T KENNEDY POOL REP	4774527	3300 JACK W HOFFMEYER	5464217
3 RESIDENCE	1 BUSINESS	3108*HOFFMEYERS SHP	5482217
BRENT	HOWELL	3319 WILLIS H GARRATT	7 5467918
*****R R 2*****	48843	3380 JOHN W MOULES	5469276
3560 JAMES B WATT	B 5468468	3395 JERALD K COOK	1 5483082
3575 JAMES D WATT	9 5469227	3421 JACK A BRICKER	B 5481419
365 ROBERT RZENDZIAN	7 5469621	3425 MICHAEL WROBLEWSKI	9 5468788
3801	NP	3430 JAMES E JACKSON	5464774
3952 STEPHEN J CURCIO	9 5481404	3480	
5 RESIDENCE		34 RESIDENCE	2 BUSINESS
BRENTWOOD	PLYM PO	BREWER RD	LNGSBURG
*****R R 1*****	48170	*****R R 1*****	48848
41843 DANIEL J BONDIE	4559607	5101 STEPHEN IZDEBSKI	7237580
41864 EARL NITCHMAN	O 4534174	5153 MICHAEL LAHMANN	5 7255324
41876	NP	5258	
41888 VERNE TAYLOR	-4536033	5303 WILLIAM A MELROSE	4 7256789
41800 C A STRINGHAM	4530355	5680	
41912 ROBERT B CAMPBELL	4558548	5701* F L COSTERISAN CPA	7231806
41924 ELTON MCALLISTER	4535128	6380 FLOYD KOERNER JR	1 6515540
41936 I K BRAUN	B 4530123	6550 MICHELLE D KOERNERS	6515994
41948 C DOUGLAS HINCKER	4537245	6730	
41960	NP	8 RESIDENCE	1 BUSINESS
41980 RUSSELL STODDARD	1 4534812	BREWER RD W	OWOSSO
42011 J W REYNOLDS	4533816	*****R R 1*****	48867
42023 JOHN E LONG	7 4533978	1350	
42032 GARY A BAIGRIE	4555792	1708 TONY SECONSKY	B 7257654
42037 GARY R HURST	B 4553163	1750 GEORGE MATHEWSON	5 7237184
42044 ROBERT H SCHMITT	4534241	2020 GEORGE W GOWER	5 7237609
42051 RICHARD J NELSON	4539247	2025 THOMAS J PERKIN	7256304
42056 NORMAN PRATT	3 4539325	2051 DAVID L HURD	7235308
42102 GERALD W BLISS	4530421	2108 LOREN SELBIG	1 7252766
42111 HUSTON A DILLEY	B 4530313	2147 2351	NP
42114 MICHAEL E CASSEL	4535228	2577 WILLIAM G TUTTLE	-7236921
42125	NP	2630 FRANCIS TEICHMAN	7 7237658
42126 VICTOR RIBLETT	4554585	2751 GOLDIE ELDRIDGE	3 7235592
42138 GEORGE A THOMPSON	7 4596227	2856 B CHURCH	9 7233213
42141 LARRY FIELDS	-4539320	2961 CHARLES BARNETT	8 7238897
42152 DOUGLAS J BOHRER	B 4581805	*COUNTRY CURL	7236897
42157 DOUGLAS M BLUNK	4530836	2973 WILLIAM E RAMBO	B 7237686
42164	NP	2993	
42211 MERTON H SLATER	4594754	*****R R 5*****	48867
42220	NP	3130 MICKEY S NEMETH	3 7233395
42223 PAUL HENRY JR	4531230	3271	
42234 ROBERT W SOMPI	4533715	3475 STEVE BUCSI JR	7232320
42237 LEO F SOCHACKI	4535248	3600 R D MAURER	7257753
42246	NP	3803 WAYNE SCHMIDTFRANZ	7257793
42249 J RICHARD GREEN	7 4597488	3887 S LYNDE	O 7231258
42258 R L BOYER	-4595701	3888 DICK D DEMERLY	9 7234962
42261 S BAKER	2 4552102	4190 ALEX KLINKOSKI	8 7258806
42370	NP	4201* L A BENNETT CONST	7235528
42371 ROBERT P ENGLISH	4590995	4310 ANDREW SHIPPEE	4 7234602
42300 HAROLD PALMER	4536861	4389 ROBERT WARE	2 7236285
42301 RICHARD J TERRILL	2 4550598	4670 GERALD SAYLES	7255893
42314 WILLIAMS MONS	B 4598368	27 RESIDENCE	2 BUSINESS
42315 M L STEPHENSON JR	4 4531814	BREWSTER	PLYM PO
42324 ANN COKER	4594608	*****R R 3*****	48170
42325 WARREN W CREECH	4550517	47911	
42336 PAT FOWLER	4589284	47912 H H JOHNSON III	3 4534032
42347 BARBARA JEAN	5 4589156	47935	
42348 C FITZGERALD	4531387	47950*FULL SERV MED SYS	4555822
EDW J FITZGERALD	4531367	JAMES NEU	2 4590983
42360 H LUSTIG	5 4557863	RICHARD R NEU	9 7242852
42372 42373	NP	47955 YUN CHANG	2 4535373
52 RESIDENCE		48005 THOMAS R AHERN	B 4534334
BRENTWOOD DR	BRIGHTON	48020	
*****R R 4*****	48116	48033 MARTIN DAVENPORT	4 4592489
7144 JEFFREY L KIVISTO	2276371	48040 RAYMOND N NOWICKI	7 4555522
7162 L EMMETT	4 2297889	48060 LEO G KIVELL JR	B 4599894
7169 CHARLES E INRKE	NP 2272033	*PLYM COMM CHORUS	4554088
3 RESIDENCE		48101 JAMES B MCKEON	B 4532125
BRENYWOOD DR	PINCKNY	48110 WILLIAM W MINDIS	4 4592139
*****R R 1*****	48169	48131 ALAN VERLEYE	4 4553687
221 WILLIAM BERGHOFF	5 8789602	14 RESIDENCE	2 BUSINESS
238 239	NP	BRIAN	BRIGHTON
257 E D GREEN	5 8769297	*****R R 6*****	48116
290 JOSEPH KRESKAI	-8789544	4028 ALLAN LARKIN	1 2271374
295 JOE PLUMMER	8785707	4060 PHILIP H MARTIN	NP 2277281
6 RESIDENCE		4071 GARY D TOBEL	9 2273254
BRESEE	HOWELL	4092 KENNETH HOADLEY	9 2297519
*****R R 10*****	48843	4135 MICHAEL P HATTY	3 2271243
4090		4166 ROBERT ZIEL	9 2273982
4094 REV LOUIS NOVOTNY	5 5481504	4167 JESSE PORTWOOD	9 2292291
4243 CHARLES DOCUSEN	5 5463438	4190 MARK J ROSSMAN	4 2296420
4259 R LEARNED	5464985	4233 GERALD DECARTERET	B 2274134
4267 WILLIAM SAGLER	4 5467908	4281 FRANCIS W PARFEN	O 2274255
4301 DONALD SMITH	1 5468185	4322 S E DYMOND	5 2273762
4311 LEO EVANS	9 5482884	4329 MICHAEL J BARRETT	4 2296606
7 RESIDENCE		MICHAEL J BARRETT	4 2296688
BRET DR	FENTON	4353 J MACGREGORY	2 2274132
*****R R 6*****	48031	4354 GLENN H FRAUEHAN	O 2295438
4770 KENNETH HOLLOWAY	1 8877578	4377 W SYBESMA	5 2275313
1 RESIDENCE		4425 DAVID NICHOLSON	NP 2275915
BREWER RD	HOWELL	17 RESIDENCE	
*****R R 10*****	48843	BRIARCLIFF CT	CANTON
1630 WM R STREBBING	5463844	*****R R 1*****	48167
1725 LEON PEARSON	5464356	42065 DONALD WILSON	NP 4961486
1800	NP	42077	
42099 JAY POWELL	2 8816684	42111 RONALD ROBERTSON	4 8813379
42135 PABLO HERNANDEZ	NP 8815361	42147	
42159 RICHARD A PIDOSNY	NP	42171 MARTIN HAUJEN	NP 8810688
42171		42183 LELITA DOCTORA	9 8811324
42195 KISHOR BILIMORIA	O 8812631	42195 KISHOR BILIMORIA	O 8812631
42207 L D DORMITORIO	9 8810849	42207 L D DORMITORIO	9 8810849
11 RESIDENCE			

AT NOT BE KEYPUNCHED, ENTERED INTO A COMPUTER, OR PHOTOCOPIED IN ANY MANNER WHATSOEVER EXCEPT AS

TOOLEY 1987

● TOOLEY

HOWELL

●●●●●R R 10●●●●●

48843

1630	JAMES R CHAPMAN	3	5462524
1676	JEFF W KILPELA	1	5481103
1712	ALLAN J SPARKS	8	5467235
1725	WILLIAM T MARR		5463701
1740	ALAN KNORR		5465688
1750	MICHAEL E CRAWFORD	3	5482195
1880	GERARD WEBSTER		5469563
1885	EDWARD HUBBEL		5464415
1920	N POPEK		5481511
2050	HARRY E BAILEY		5463804
2071	2148 2176 2204	NP	
2260	2372	NP	
2400	F W MOON		5467823
2601		NP	
2755*	D H FARMS CO		5464444
2990	THOMAS D PATTERSON	7	5463296
	19 RESIDENCE	1	8 BUSINESS

● TOPHITH RD

STCK8DG

WARNER 1987

17 RESIDENCE

● WARNER RD

HOWELL

●●●●●●● R R 10 ●●●●●●● 48843

3080 RONALD RIFE 4 5466560

3110 NP

3625 GRANT WARREN -5466326

3697 FRED W RICHTER 5463930

3921 ROGER J MCGREGOR 9 5483378

4125 NP

4141 RONALD C WRIGHT 5461801

4400*H JAMES MORAN CPA 5462122

4430 NP

8 RESIDENCE 1 BUSINESS

● WARNER RD

LNGSBRG

●●●●●●● R R 4 ●●●●●●● 48848

12050 LARRY G EATON □6755354

12125 DAVID M SLEE 7 6755454

BOWEN 1983

3333	ROBERT C MASON	5213855
	1 RESIDENCE	
	BOWER	HOWELL
	.....	48843
1004		NP
1014	JAY R DRICK	-5484233
1015	L J DICKSON	5461503
1027	NORMAN DYMOND	5464715
1028		NP
1108	EDWARD L MACDONALD	5463812
1109	WILLIAM YANDIAN	□5466290
1118	GERARD J COUGHLIN	5465561
1121	EDWARD J MCCLERNAN	8 5460750
1128	DONALD C JOHNSON	7 5461352
1133	RADNEY TUCKER	□5462218
1136	HARRY E MICHAELS	5463291
1214	RICHARD J MARENCIC	5463675
1230*	FIRST UNTD MTHDST	5462730
	*FIRST UNITED METHD	5462730
1233*	NORTHWEST ELEM SCH	5466207
	13 RESIDENCE	3 BUSINESS
	BOWLES	FENTON
	.....	48430

BREWER 1983

● BREWER RD

HOWELL

●●●●●●●● R R 10 ●●●●●●●● 48843
 1630 WM R STREBBING 5463844
 1725 LEON PEARSON 5 5464356
 1800 NP
 1820 ELMER CHEVALIER 4 5464778
 1835 NP
 2021 A HAY 5 5468673
 2025 RICHARD J TINCU 9 5482446
 2031 DANIEL GDOWSKI 5 5460366
 2032 DAVID POWELL 8 5469528
 2125 NP
 2415 DAVID C BORSO 0 5464086
 2452 BRYAN HEINIG 1 5461764
 2515 MARK A CICAN 8 5464663
 2609 WARREN D ELLSWORTH 5460908
 2723 DANNY A BOSTIC 9 5468173
 2830 G DONALD GRAY 9 5460171
 2835 GEORGE S ANDREWS 3 5463754
 2900 KAYE D LECHEVALIER 5468305
 2930 JERRY W VINCENT 7 5469683
 3005 NP
 3010 STANLEY CULVER JR 9 5483309
 3022 PHILIP A PERRI 7 5481029
 3060 NP
 3121 M H WIRTH 9 5461762
 3250 LESLIE KERN 0 5469464
 3295 DUNCAN A MCDONALD 3 5467426
 3300 JACK W HOFFMEYER 5464217
 3319 WILLIS H GARRATT 7 5467918
 3380 JOHN W MOULES 5469276
 3395 JERALD K COOK 1 5483062
 3421 JACK A BRICKER 8 5481419
 3425 MICHAEL WROBLEWSKI 9 5468768
 3430 JAMES E JACKSON 5464774
 3480 NP

34 RESIDENCE

● BREWER RD

LNGS8RG

TOOLEY 1983

527 MARIO FORMOLO 9 5464163
 31 RESIDENCE

● TOOLEY

HOWELL

.....R R 10..... 48843

1630 TOM MCFARLAND 0 5467790
 1676 JEFF W KILPELA 1 5481103
 1712 ALLAN J SPARKS 8 5467235
 1725 WILLIAM T MARR 5463701
 1740 ALAN KNORR 5465688
 1750 NP
 1880 GERARD WEBSTER 5469563
 1885 EDWARD HUBBEL 5464415
 1920 N POPEK 5 5481511
 2050 HARRY E BAILEY 3 5463804
 2071 GERALD WITT 5464293
 2148 FRANK W KORTH 3 5466930
 2176 2204 2260 2372 NP
 2400 F W MOON 5 5467823
 2601 NP
 2755* D H FARMS CO 5464444
 2990 THOMAS D PATTERSON7 5463296
 19 RESIDENCE 1 BUSINESS

● TOPHITH RD

STCK8DG

WARNER 1983

6442 6464 NP
14 RESIOENCE 2 BUSINESS

● WARNER RD HOWELL

●●●●●●●● R R 10 ●●●●●●●● 48843

3080 3110 NP

3625 KENNETH V YORK 5 5468395

3697 FRED W RICHTER 5463930

3921 ROGER J MCGREGOR 9 5483378

4125 WILLARD J CLAWSON 5462714

4141 RONALD C WRIGHT 5461801

4400*H JAMES MORAN CPA 5462122

4430 CARL WELLER 5462936

8 RESIDENCE 1 BUSINESS

● WARNER RD S SHFTSBG

●●●●●●●●●●●●●●●●●●●●●●●● 48882

8716 STEWART FULTON 6755425

BOWEN 1977

	RESIDENCE	BUSINESS
BOWEN RD		
HOWELL		
	.....R R 10.....	48843
2080	J W YOGUS	5 5463177
2120	P W BECKER	2 5466273
2182	DENNIS C CURRIE	4 5467618
2320	NELSON ROBERTSON	2 5461667
2410	WILLIAM J MALEWITZ	□5462155
2480	ROBERT C FROHLING	5464798
2520	RAYMOND C KOLB	5464299
2610	JAMES W PETRE	3 5467385
2630	GEORGE M KUDLA	2 5460972
2660	GEORGE C NAYLOR	2 5463858
2700	LAWR W DIETERLE	5460556
2801	C E WILKINSON JR	5463284
2990		NP
3197		NP
3225	EUGENE R CRAIN	3 5462752
3390*	I L VANVALKENBURGH	5463650
3430	L R HASSINGER	2 5466453
3450	PAUL F WALLACE	□5467609
3680	EDWARD R CALDWELL	3 5460237
3739	LYLE FOWLER	5464395
3920	ROBERT WILCOX	5464215
	20 RESIDENCE	1 BUSINESS
BOWEN RD		
WEBERVL		
	.....	48892
3999	ROBERT C MASON	5213895
	1 RESIDENCE	

BREWER 1977

2 RESIDENCE

● BREWER RD

HOWELL

3	.....R R 10.....	48843
1	1630 WM R STREBBING	5463844
	1725 LEDN PEARSON	5 5464356
	1800	NP
0	1820 ELMER CHEVALIER	4 5464778
	1835 T J WILLIAMS	6 5481725
0	2021 A HAY	5 5468673
6	2031 DANIEL GDDWSKI	5 5460366
1	2032 KATHY MCNEIECE	□5467720
3	2125 LUTHER P REETZ	5462189
1	2415 E K ZINSER	5462208
3	2515 GERALD L HOLTON	5465991
8	*LURE CORP	□5469392
8	2609 WARREN D ELLSWDRTH2	5460908
8	2830 LULU GRAY	5460171
	2835 GEDRGE S ANDREWS	3 5463754
5	2900 KAYE O LECHEVALIER2	5468305
	2930 JERRY W VINCENT	□5469683
4	3005 FRANCIS ROSINSKI	□5466869
6	3010 MABLE K DAVIS	□5468132
6	3022 PHILIP A PERRI	□5481029
2	3060 JOSEPH L LAVOIE	2 5464588
3	3295 OUNCAN A MCDONALD	3 5467426
1	3300 JACK W HOFFMEYER	5464217
6	3319 WILLIS H GARRATT	-5467918
5	3380 JDHN W MDULES	5469276
1	3395 K KRAMER	□5461723
7	3430 JAMES E JACKSON	5464774
8	3480	NP

27 RESIDENCE

1 BUSINESS

● BREWER RD

LNGSBRG

..... 48848

TOOLEY 1977

32 RESIOENCE

● TOOLEY

HOWELL

.....R R 10.....

48843

1630		NP	
1676	WILBER DEAN	4	5469783
1725	WILLIAM T MARR		5463701
1740	ALAN KNDRR		5465688
1750		NP	
1880	GERARD WEBSTER		5469563
1885	EDWARD HUBBEL		5464415
1920	N POPEK	5	5481511
2050	HARRY E BAILEY	3	5463804
2071	GERALD WITT		5464293
2148	FRANK W KORTH	3	5466930
2176	DUANE CLUM	5	5467673
2260	JOSEPH OPRISIU	6	5481603
2372	EDWARD W SMITH	6	5466933
2400	F W MOON	5	5467823
2601		NP	
2755*	H FARMS CO		5464444
	L J SAVITSKIE		5464444
2990	THOMAS D PATTERSON	□	5463296
	18 RESIDENCE	1	BUSINESS

● TOPHITH RD

STCK80G

WARNER 1977

● WARNER RD

HOWELL

.....R R 10.....

48843

3080

NP

3110 JAMES C BUELL

5463525

3625 KENNETH V YORK

5 546B395

3697 FRED W RICHTER

2 5463930

4125 WILLARD J CLAWSON

2 5462714

4141 RONALD C WRIGHT

5461B01

4400*H JAMES MORAN CPA

5462122

4430 CARL WELER

5462936

7 RESIDENCE

1 BUSINESS

● WARNER RD S

SHFTSBG

.....

488B2

BOWEN 1972

15 RESIDENCE	1 BUSINESS
BOWEN RD	HOWELL
.....R R 4.....	48843
2080 DAVID G HOWARD	□5466389
2120 P W BECKER	□5466273
2182 JAMES R WALSH	5460366
2320 NELSON ROBERTSON	-5461667
2410	NP
2480 ROBERT C FROHLING	5464798
2520 RAYMOND C KOLB	5464299
2630 GEORGE M KUDLA	□5460972
2660 GEORGE C NAYLOR	□5463858
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 SCHAUFLE	5463632
3390*VANVALKENBRGH PNTR	5463650
3430 L R HASSINGER	□5466453
3680 MELVIN H CHECKER	□5461439
3739 LYLE FOWLER	5464395
3920 ROBERT WILCOX	5464215
4430 HAROLD MUNRO	5461587
4570 MICKEY EUDONIS	5460317
4575 ROGER KURTZ	5460117
4790 HENRY GREEN	5460395
5140 AMOS EMMONS	5460247
5497 ROBERT J BURKE	-5469493
24 RESIDENCE	1 BUSINESS
BOWEN RD	WEBERVL

BREWER 1972

2 RESIOENCE

BREWER RD

HOWELL

	.....R R 4.....	48843
1630	WM R STREBBING	5463844
1800	JERRY E BRACE	546035B
1820	ROBERT GALLUP	5464387
1835		NP
2031	LAWRENCE SLACK JR	5461647
2032	JERRY J DONALD	5461906
2125	LUTHER P REETZ	54621B9
2415	E K ZINSER	546220B
2515	GERALO L HOLTON	5465991
2609	WARREN D ELLSWORTH	5460908
2830	LULU GRAY	5460171
3010	RONALO LARZELFRE	5466306
3022	EMERSON BALLMER	5466707
3060	JOSEPH L LAVOIE	-546458B
3295		NP
3300	JACK W HOFFMEYER	5464217
3380	JOHN W MOULES	5469276
3395	CLAIRE E OAVIS	5462422
3480	JAMES E JACKSON	5464774
NO #	ALEX TOWAS	5460885

20 RESIOENCE



TOOLEY 1972

TOOLEY	HOWELL
.....R R 2.....	48843
1630 NP	
1725 WILLIAM T MARR	5463701
1740 ALAN KNORR	5465688
1750 HARRY KEELEY JR	5463326
1880 GERARO WEBSTER	5469563
1885 EOWARO HUBBEL	5464415
1920 NP	
2050 NP	
2071 GERALD WITT	5464293
.....R R 4.....	48843
2601 NP	
2755*0 H FARMS CO	5464444
L J SAVITSKIE	5464444
2990 R O PATTERSON	5463296
12 RESIOENCE	1 BUSINESS
TOPHITH RD	STCK80G
.....	49285
16521 HILLARD HOWARD	0510100

WARNER 1972

6 RESIDENCE

1 BUSINESS

0 WARNER RD HOWELL

1 48843

3 3110 JAMES C BUELL 5463525

6 3697 FRED W RICHTER -5463930

2 4125 WILLARD J CLAWSON 5462714

0 4141 RONALD C WRIGHT 5461801

2 4400 H JAMES MORAN 5462122

4 4430 CARL WELLER 5462936

2 6 RESIDENCE

3
0 WARNER RD S SHFTS8G

4 48882

4 8716 STEWART FULTON 6755425

7 8910 LIM F SHURLOW 6757290

2275 Tooley
2275 Tooley
Howell, MI 48855

Inquiry Number: 7847279.4

December 12, 2024

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/12/24

Site Name:

2275 Tooley
2275 Tooley
Howell, MI 48855
EDR Inquiry # 7847279.4

Client Name:

Applied Science & Technology
10448 Citation Drive
Brighton, MI 48116
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. EDR's 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 Results:

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

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

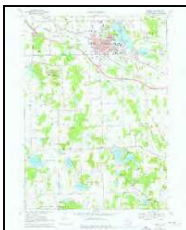


Oak Grove
2014
7.5-minute, 24000

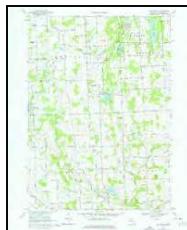


Howell
2014
7.5-minute, 24000

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

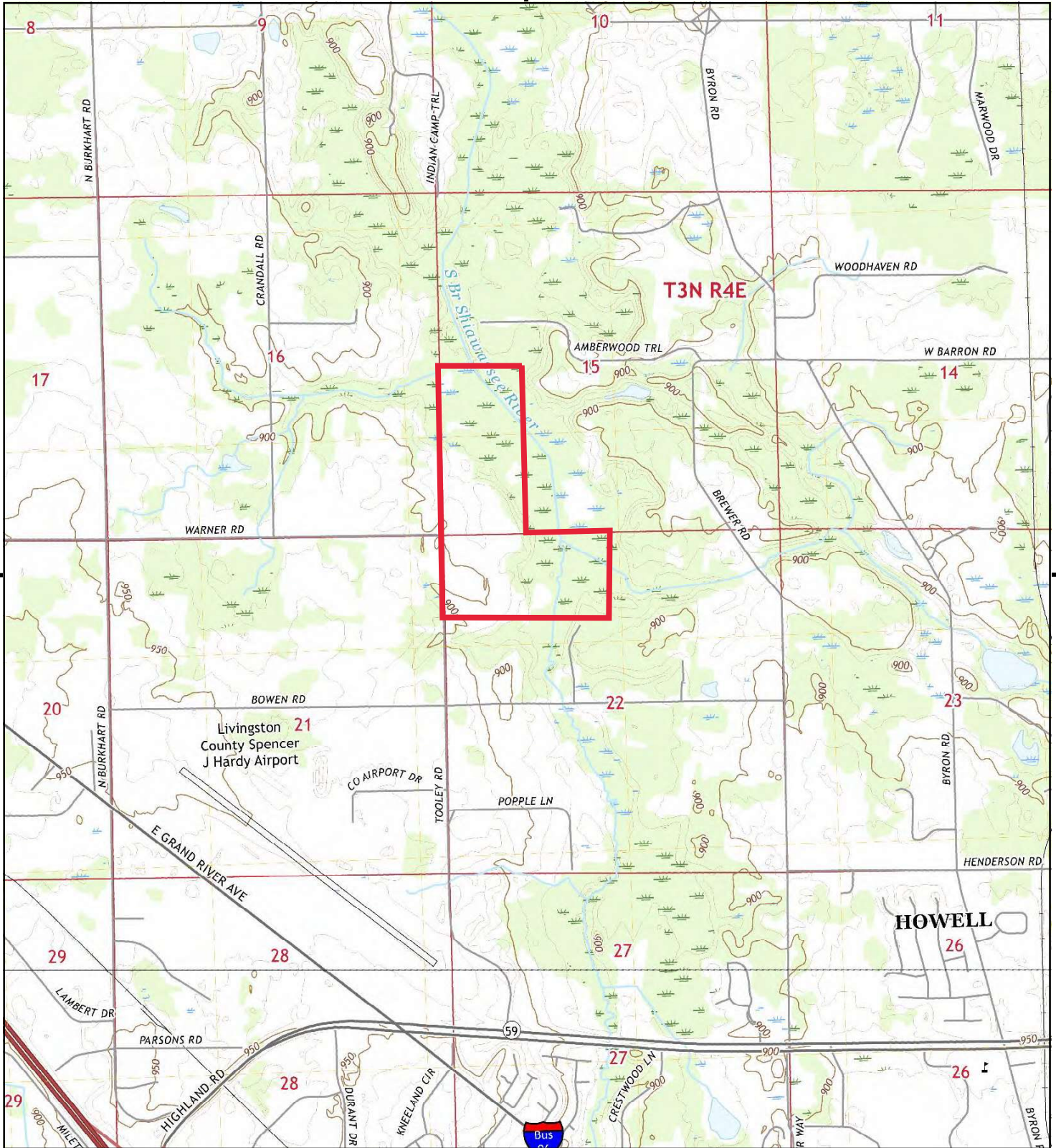


Howell
1909
15-minute, 62500

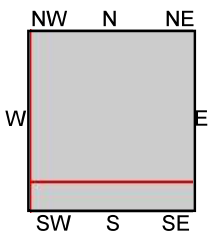
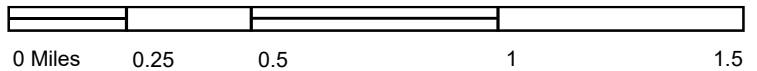
1907 Source Sheets



Howell
1907
15-minute, 62500



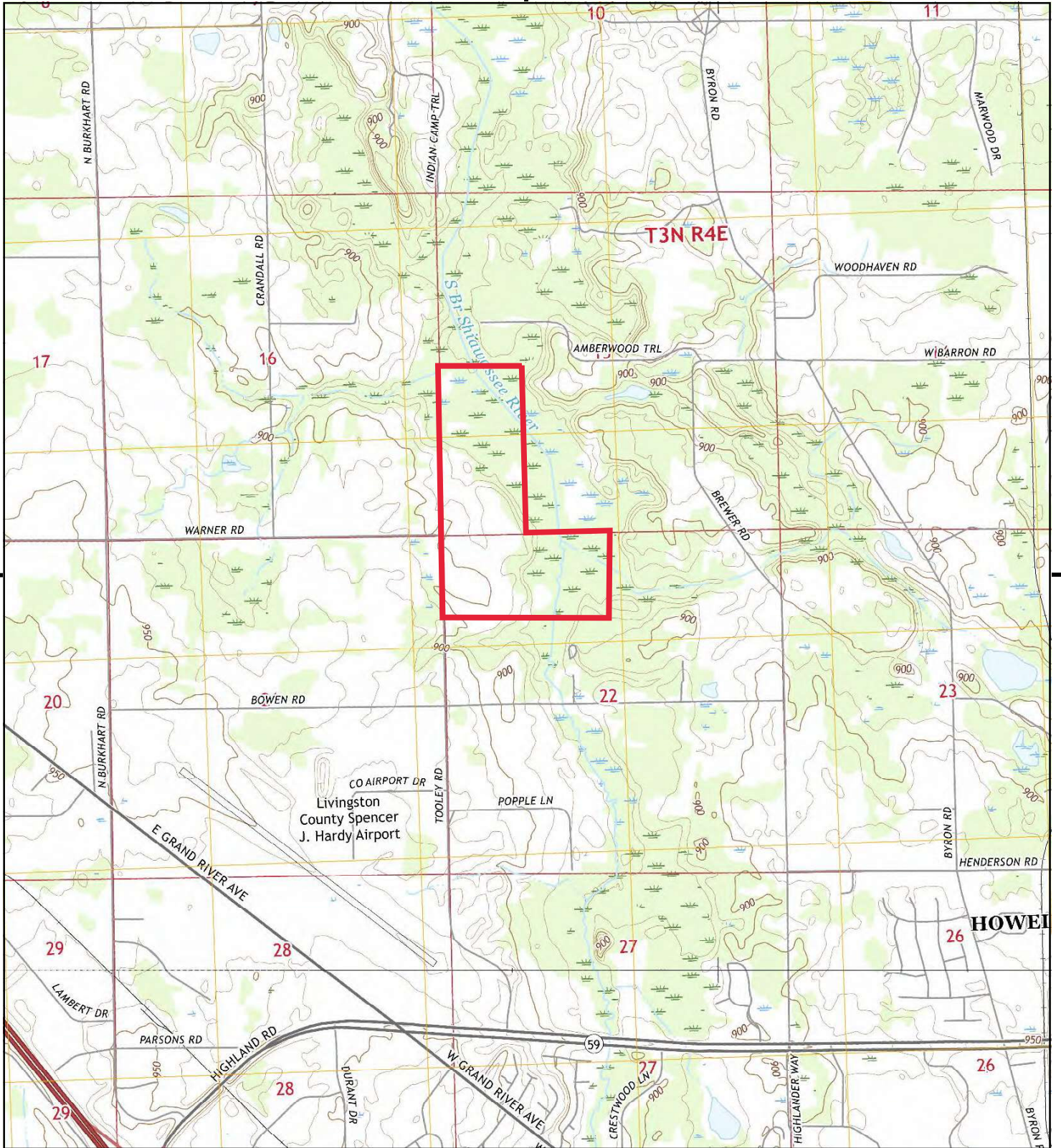
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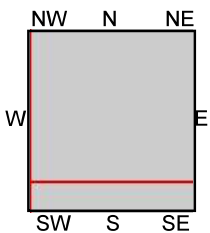
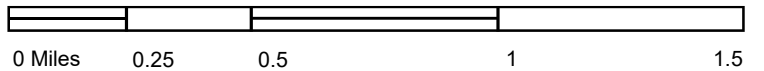
TP, Oak Grove, 2019, 7.5-minute
S, Howell, 2019, 7.5-minute

SITE NAME: 2275 Tooley
ADDRESS: 2275 Tooley
Howell, MI 48855
CLIENT: Applied Science & Technology





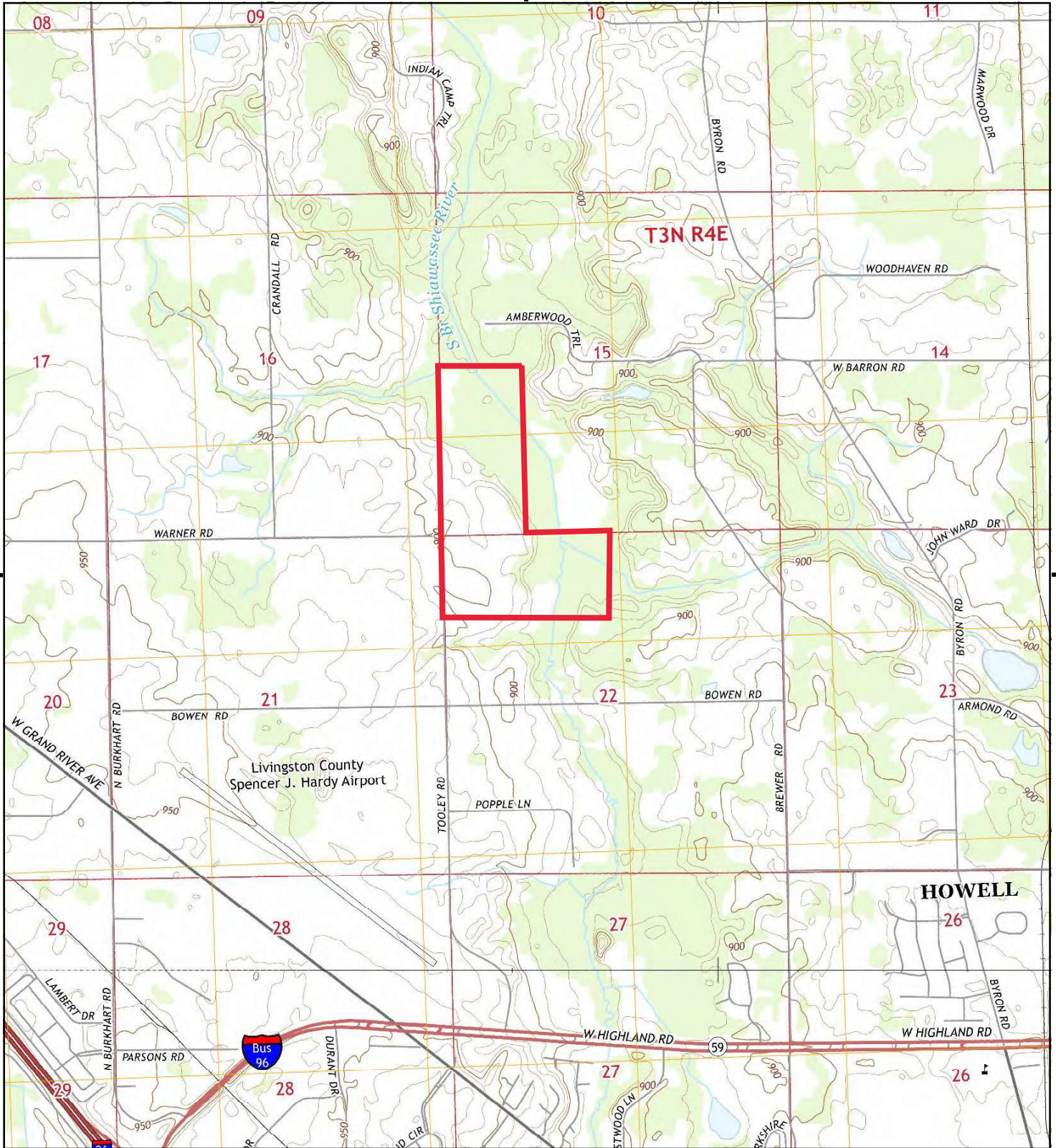
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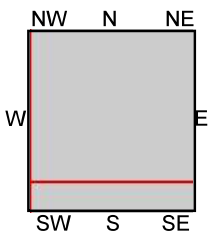
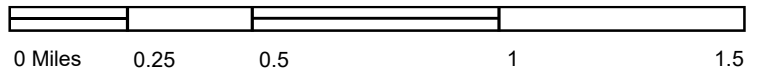
TP, Oak Grove, 2017, 7.5-minute
S, Howell, 2017, 7.5-minute

SITE NAME: 2275 Tooley
ADDRESS: 2275 Tooley
Howell, MI 48855
CLIENT: Applied Science & Technology





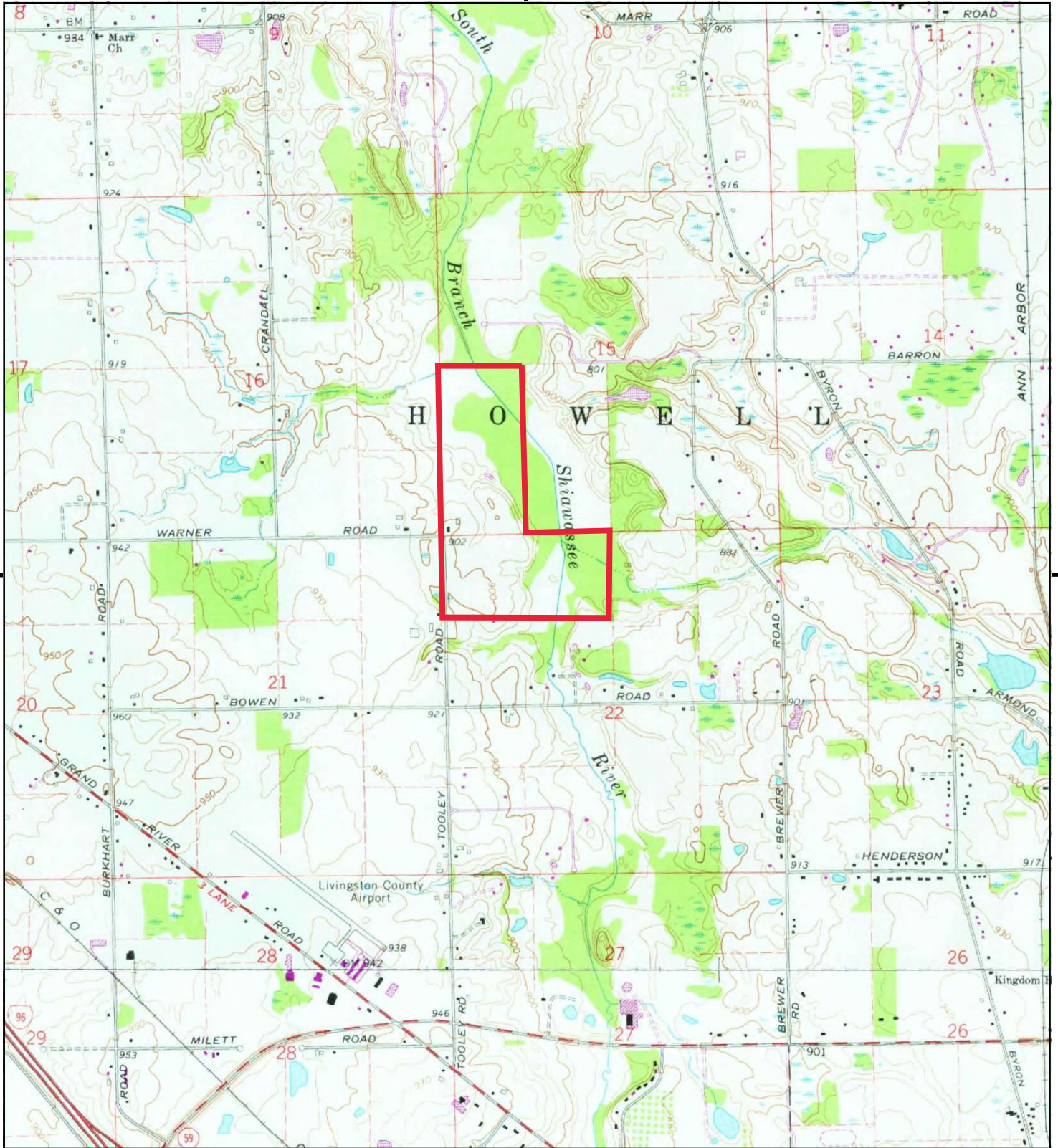
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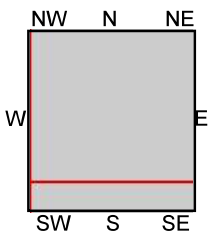
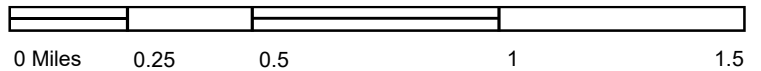
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SITE NAME: 2275 Tooley
ADDRESS: 2275 Tooley
Howell, MI 48855
CLIENT: Applied Science & Technology





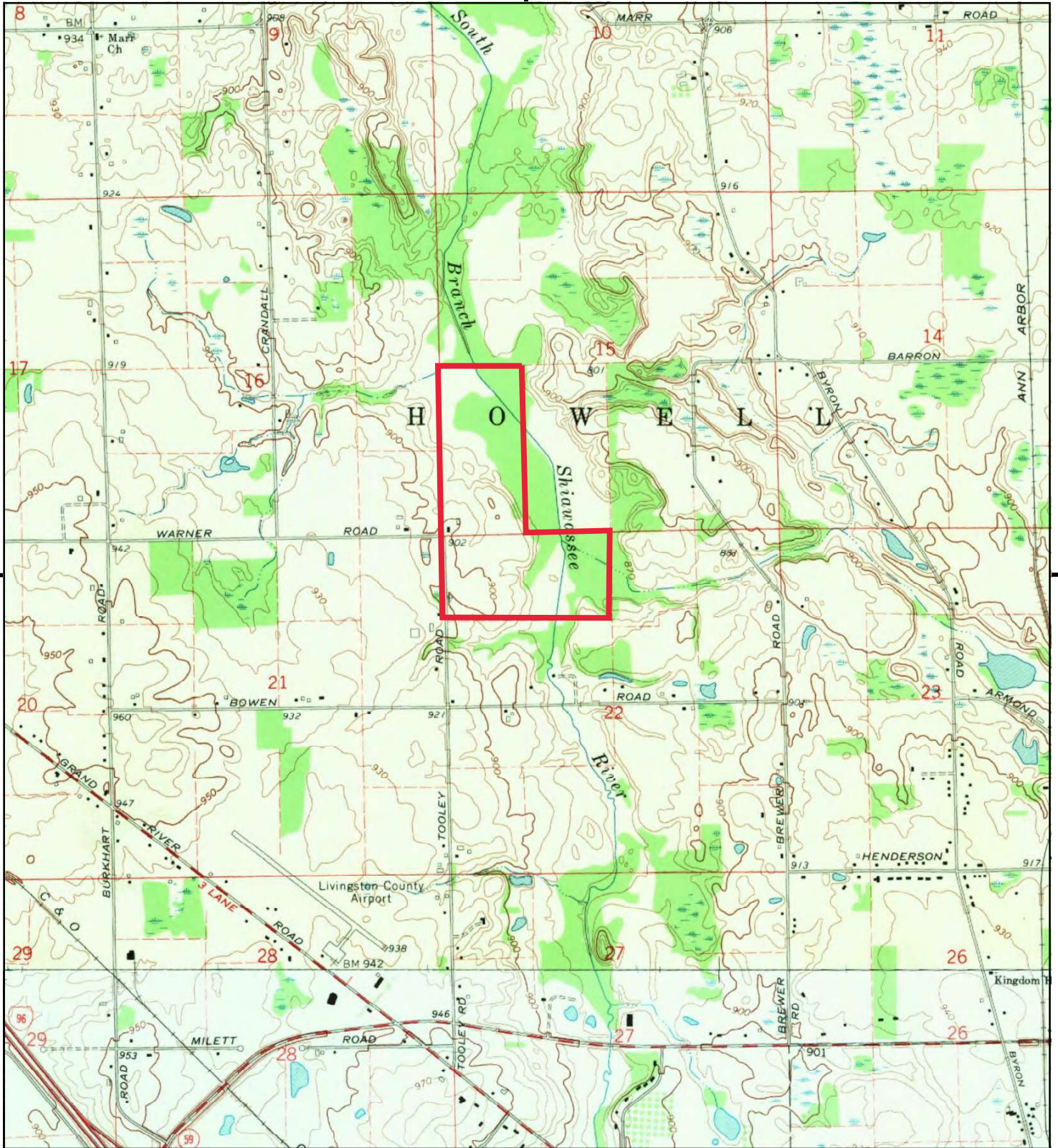
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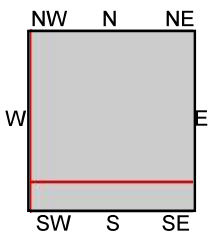
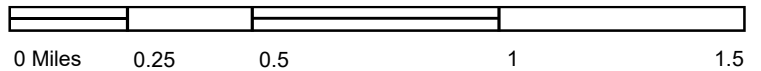
TP, Oak Grove, 1975, 7.5-minute
S, Howell, 1975, 7.5-minute

SITE NAME: 2275 Tooley
ADDRESS: 2275 Tooley
Howell, MI 48855
CLIENT: Applied Science & Technology





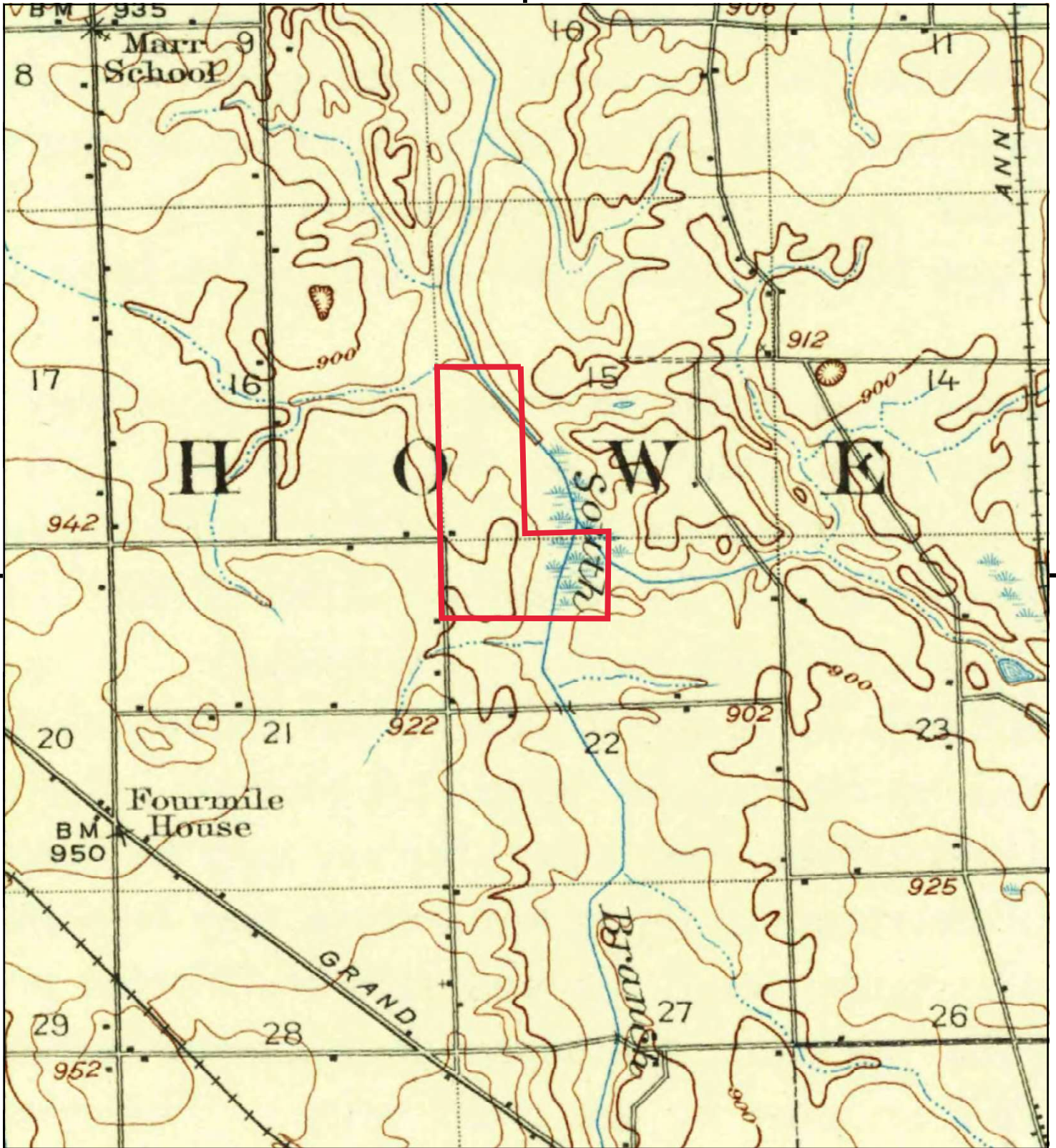
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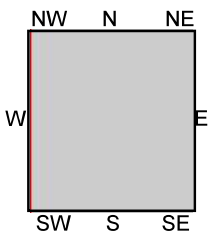
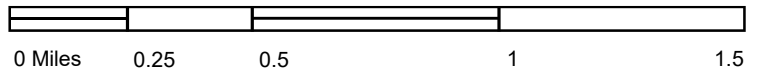
TP, Oak Grove, 1968, 7.5-minute
S, Howell, 1968, 7.5-minute

SITE NAME: 2275 Tooley
ADDRESS: 2275 Tooley
Howell, MI 48855
CLIENT: Applied Science & Technology





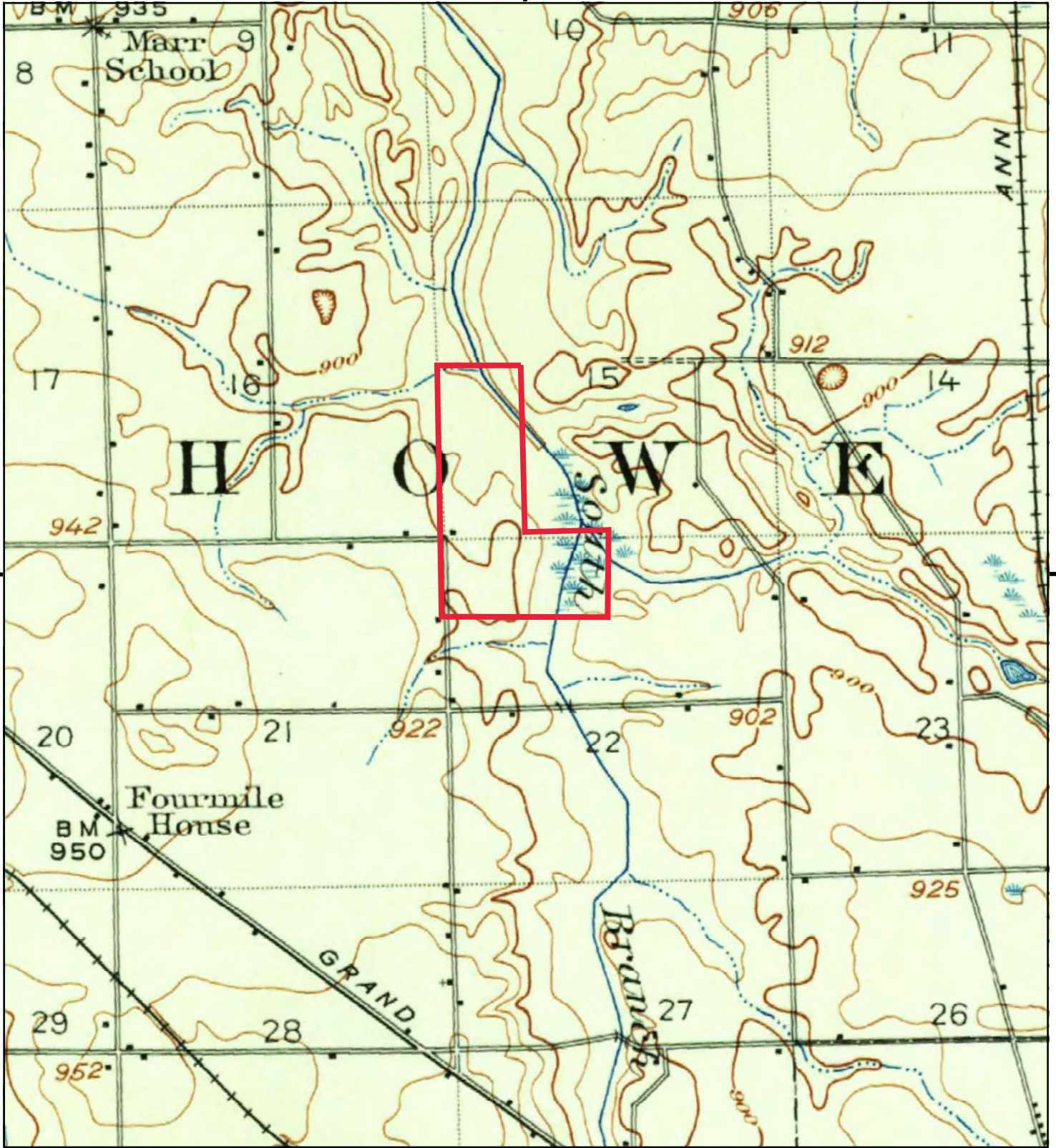
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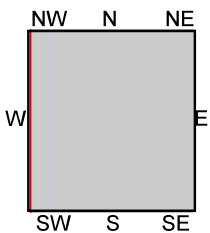
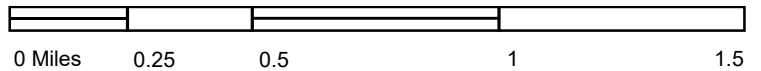
TP, Howell, 1909, 15-minute

SITE NAME: 2275 Tooley
 ADDRESS: 2275 Tooley
 Howell, MI 48855
 CLIENT: Applied Science & Technology





This report includes information from the following map sheet(s).



TP, Howell, 1907, 15-minute

SITE NAME: 2275 Tooley
 ADDRESS: 2275 Tooley
 Howell, MI 48855
 CLIENT: Applied Science & Technology



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*

**Project completed with previous employer*

Anthony Spencer



Environmental Scientist



Anthony Spencer brings nearly 15 years of experience in Phase I and Phase II Environmental Site Assessments. He has worked on a variety of projects across Michigan, Ohio, Kentucky, Oklahoma, Pennsylvania, and North Carolina, including residential, commercial, and industrial sites. His portfolio features assessments for apartment complexes, shopping plazas, and auto dealerships.

Anthony's comprehensive evaluations encompass site inspections, historical research, interactions with federal, state, and local agencies, subsurface sampling, geophysical surveys, and underground tank closures.

Education

Wayne State University, BS
in Environmental Science,
Minor in Geology, 2011

Years of Practice

2010-Present

Certifications

EPA Environmental
Professional: ASTM Practice,
E1527-21

40-Hour OSHA
HAZWOPER Training
and Annual Refreshers

Select Project Experience

Vacant Land Due Diligence and Site Assessments, Multiple Locations, MI

Agricultural Due Diligence and Site Assessments, Multiple Locations, MI

Residential Due Diligence and Site Assessments, Multiple Locations, MI

Commercial Due Diligence and Site Assessments, Multiple Locations, MI

Industrial Due Diligence and Site Assessments, Multiple Locations, MI

Phase I ESA, Multi-Family Building, Detroit, MI

Phase I ESA, Historic Apartment Buildings, HUD Choice Neighborhood Initiative, Detroit, MI

Phase I ESA, 53-Unit, 2-Story Apartment Building, Detroit MI

Phase I ESA, Multi-Family Building, Pontiac, MI

Phase I ESA, Coil Wire Plant, Warren, MI

Phase I ESA, Metal Stamping Plant, Madison Heights, MI

Phase I ESA, Marina, Boyne City, MI

Phase II ESA, Mixed-Use Site, Detroit, MI

Phase II ESA, Commercial Site, Marshall, MI

Phase II ESA, Commercial Site, Pontiac, MI

Phase II ESA, Residential Site, Detroit, MI

Phase II ESA, Sanitary System Sampling for PFAS Investigation, Oakland County Water Resources Commission, Oakland County, 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, Genesee, Hillsdale, Kent, Ottawa, Van Buren, Allegan, St. Joseph, Cheboygan, Muskegon, 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. EPA Proposed Plan Fact Sheet for the Shiawassee River Super Fund Site, dated July 2001
2. Final Assessment Report, Shiawassee River Superfund Site, dated September 28, 2023
3. Fourth Five-Year Review Report, Shiawassee River Superfund Site, dated July 9, 2024
4. 2020-2021 Map of Baseline Sampling Locations, Shiawassee River Superfund Site (Subject Property's segment), issued February 2024
5. 2020-2021 Analytical Summary Tables, Shiawassee River Superfund Site (Subject Property's segment), issued February 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.
2. 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 institutional 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**