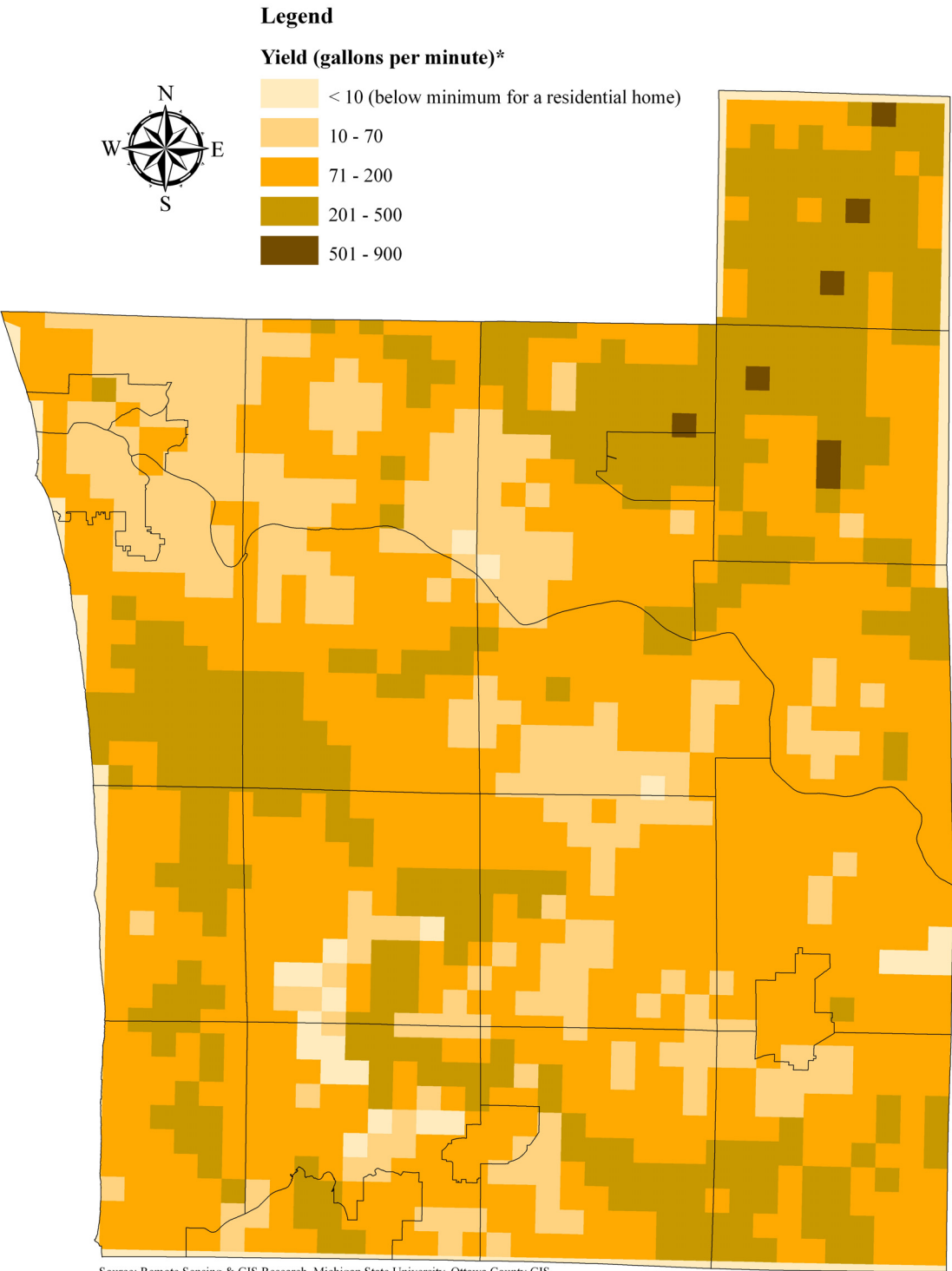


Groundwater Yield (Ottawa County)



* Groundwater yield is the pumping rate necessary to produce an estimated 50% decrease in water level at a well

Groundwater Yield (Ottawa County, Municipality)

Groundwater Yield* (Gallons Per Minute)

Unit of Government	< 10		10 to 70		71 to 200		201 to 500		501 to 900		Total Acreage**
	Acreage	%	Acreage	%	Acreage	%	Acreage	%	Acreage	%	
<i>City/Village</i>											
Coopersville	0.0	0.0%	0.0	0.0%	301.4	9.9%	2,699.2	88.6%	47.5	1.5%	3,048.1
Ferrysburg	126.3	5.5%	1,078.9	47.2%	833.6	36.5%	247.2	10.8%	0.0	0.0%	2,286.0
Grand Haven	204.3	5.1%	2,593.3	64.1%	1,246.2	30.8%	0.0	0.0%	0.0	0.0%	4,043.8
Holland***	467.1	8.0%	701.4	12.1%	3,170.5	54.6%	1,473.1	25.3%	0.0	0.0%	5,812.1
Hudsonville	0.0	0.0%	308.6	11.6%	2,340.0	88.1%	8.1	0.3%	0.0	0.0%	2,656.7
Spring Lake	0.0	0.0%	464.3	41.8%	647.0	58.2%	0.0	0.0%	0.0	0.0%	1,111.3
Zeeland	0.0	0.0%	197.1	10.3%	1,696.1	88.3%	26.8	1.4%	0.0	0.0%	1,920.0
<i>Township</i>											
Allendale	204.6	1.0%	6,555.4	31.9%	12,770.1	62.2%	1,002.5	4.9%	0.0	0.0%	20,532.6
Blendon	46.1	0.2%	7,219.9	31.0%	14,615.2	62.8%	1,390.0	6.0%	0.0	0.0%	23,271.2
Chester	2,130.6	9.3%	0.0	0.0%	4,785.7	20.9%	15,266.4	66.6%	741.7	3.2%	22,924.4
Crockery	256.5	1.2%	8,548.3	40.0%	10,541.8	49.3%	2,018.0	9.5%	0.0	0.0%	21,364.6
Georgetown	1,014.8	4.7%	1,102.9	5.1%	19,455.9	89.2%	239.1	1.0%	0.0	0.0%	21,812.7
Grand Haven	582.0	3.1%	3,468.7	18.3%	6,882.0	36.4%	7,996.7	42.2%	0.0	0.0%	18,929.4
Holland	2,267.1	12.9%	3,342.3	19.0%	9,182.7	52.2%	2,804.5	15.9%	0.0	0.0%	17,596.6
Jamestown	722.2	3.2%	2,540.5	11.2%	12,088.2	53.3%	7,322.8	32.3%	0.0	0.0%	22,673.7
Olive	1,355.9	5.9%	2,914.5	12.6%	13,115.3	56.6%	5,776.9	24.9%	0.0	0.0%	23,162.6
Park	296.9	2.2%	407.9	3.0%	9,845.7	72.3%	3,058.8	22.5%	0.0	0.0%	13,609.3
Polkton	231.5	0.9%	5,784.9	22.8%	10,610.1	41.7%	8,606.1	33.8%	199.7	0.8%	25,432.3
Port Sheldon	739.3	5.1%	247.2	1.7%	8,774.0	60.6%	4,708.8	32.6%	0.0	0.0%	14,469.3
Robinson	2.8	0.1%	4,221.0	16.7%	14,905.9	58.9%	6,164.3	24.3%	0.0	0.0%	25,294.0
Spring Lake	154.9	1.4%	7,846.4	73.4%	2,693.9	25.2%	0.0	0.0%	0.0	0.0%	10,695.2
Tallmadge	115.7	0.5%	1,977.7	9.4%	15,226.4	72.1%	3,799.1	18.0%	0.0	0.0%	21,118.9
Wright	1,056.3	4.5%	247.2	1.1%	10,511.5	45.3%	10,645.9	45.9%	741.6	3.2%	23,202.5
Zeeland	509.0	2.3%	4,523.0	20.5%	11,327.9	51.4%	5,678.7	25.8%	0.0	0.0%	22,038.6
Ottawa County	12,483.9	3.4%	66,291.4	18.0%	197,567.1	53.5%	90,933.0	24.6%	1,730.5	0.5%	369,005.9

Source: Remote Sensing & GIS Research, Michigan State University, Ottawa County GIS, 2005

* Groundwater yield is the pumping rate necessary to produce an estimated 50% decrease in water level at a well

** The acreage will vary slightly depending on the source

***This represents the portion of Holland City located within Ottawa County