

STUDENT POTENTIAL ANALYSIS

Scott Leopold and
Karen Daniel-Hamberg
Cooperative Strategies



OLENTANGY SCHOOLSSM
Flourish Here.

WHY DO WE LOOK AT THIS?

- The enrollment projection model projects student enrollment over the next 10 years
- The student potential models forecast enrollment over the next 100 years
 - Based on housing, student yields
- This also allows us to estimate how many students may result from a future subdivision
 - Establishes a timeline for student growth and decline within existing & future subdivisions
- **THESE ARE COMPLETELY SEPARATE STUDIES AND SHOULD NOT BE COMBINED IN ANY WAY!!!**

METHODOLOGY

- Based on historical observations and comparisons with adjacent school districts, we have determined that typical single-family subdivisions yields fluctuate over time in predictable pattern.

K-12		Total Market Value of Home												TOTAL
Yields		50K - 100K	100K - 150K	150K - 200K	200K - 250K	250K - 300K	300K - 350K	350K - 400K	400K - 450K	450K - 500K	500K - 550K	550K - 600K	> 600K	
Age of Home	30			0.80	0.52	0.58	0.64	0.40	0.43	1.00	0.36	0.00	0.54	0.52
	29			0.67	0.54	0.45	0.49	0.56	0.47	0.29	0.63	0.31	0.11	0.44
	28			0.75	0.52	0.46	0.51	0.45	0.80	0.46	0.27	0.46	0.33	0.47
	27			0.00	0.51	0.69	0.59	0.74	0.64	0.38	0.48	0.74	0.46	0.60
	26			1.00	0.20	0.56	0.49	0.68	0.34	0.96	0.70	0.36	0.47	0.51
	25			0.58	0.54	0.58	0.62	0.58	0.50	0.48	1.07	1.22	0.60	0.60
	24			0.53	0.44	0.61	0.56	0.56	0.96	1.10	0.31	0.46	0.54	0.56
	23		0.00	0.44	0.54	0.66	0.72	0.52	0.49	0.27	0.59	0.92	0.16	0.59
	22			0.55	0.58	0.78	0.65	0.56	0.76	1.22	0.67	0.38	0.46	0.67
	21		0.00	0.41	0.71	0.79	0.77	0.79	0.59	0.57	0.45	0.73	0.52	0.70
	20			0.55	0.85	0.73	0.80	0.70	0.70	0.76	0.74	0.61	0.66	0.76
	19			0.51	0.80	0.71	0.78	0.80	0.62	0.91	0.54	0.47	0.60	0.74
	18		0.00	0.67	0.78	0.99	1.02	0.98	0.81	0.95	0.74	0.88	0.92	0.90
	17		0.92	0.81	0.83	0.98	0.93	1.11	0.83	0.74	0.78	0.74	0.76	0.91
	16			0.50	0.67	1.04	0.93	1.07	1.06	0.87	0.89	0.98	0.92	0.94
	15		0.50	0.90	0.82	0.95	0.98	0.98	1.10	0.95	0.78	0.81	0.98	0.96
	14		0.25	0.00	0.92	0.79	1.04	1.05	1.14	1.36	1.11	0.93	0.89	1.02
	13		0.00	0.55	0.86	1.01	0.99	1.09	1.31	1.03	1.16	0.68	0.82	1.01
	12		1.33	0.38	0.97	1.17	1.13	1.24	1.19	1.31	1.65	1.20	0.80	1.10
	11		0.00	0.71	0.93	1.49	1.06	1.20	1.32	1.17	1.27	1.00	1.39	1.23
	10		0.00	0.71	0.92	1.18	1.29	1.41	1.49	1.45	1.32	0.73	1.74	1.31
	9		0.00	1.10	1.50	1.19	0.90	0.94	1.24	1.30	1.52	1.00	1.04	1.11
	8				0.59	1.00	1.28	1.27	1.15	1.61	1.12	1.28	0.83	1.18
	7				1.50	1.04	1.32	1.18	1.34	1.26	1.35	1.08	1.06	1.23
	6				1.00	1.27	1.20	1.49	1.20	1.14	1.30	1.14	1.27	1.25
	5				0.50	0.81	1.22	0.99	1.00	1.04	1.00	0.57	1.18	1.03
	4					0.93	0.83	1.05	1.03	0.93	0.93	0.76	1.03	0.96
	3					0.73	1.02	0.86	0.97	1.14	1.00	0.60	1.02	0.95
	2	0.69	0.90	0.64	0.70	0.86	0.94	0.86	0.70	0.41	0.25	0.93	1.30	0.79
	1	0.20												0.20
TOTAL		0.57	0.67	0.57	0.70	0.84	0.86	0.95	0.99	0.97	0.89	0.78	0.81	0.85



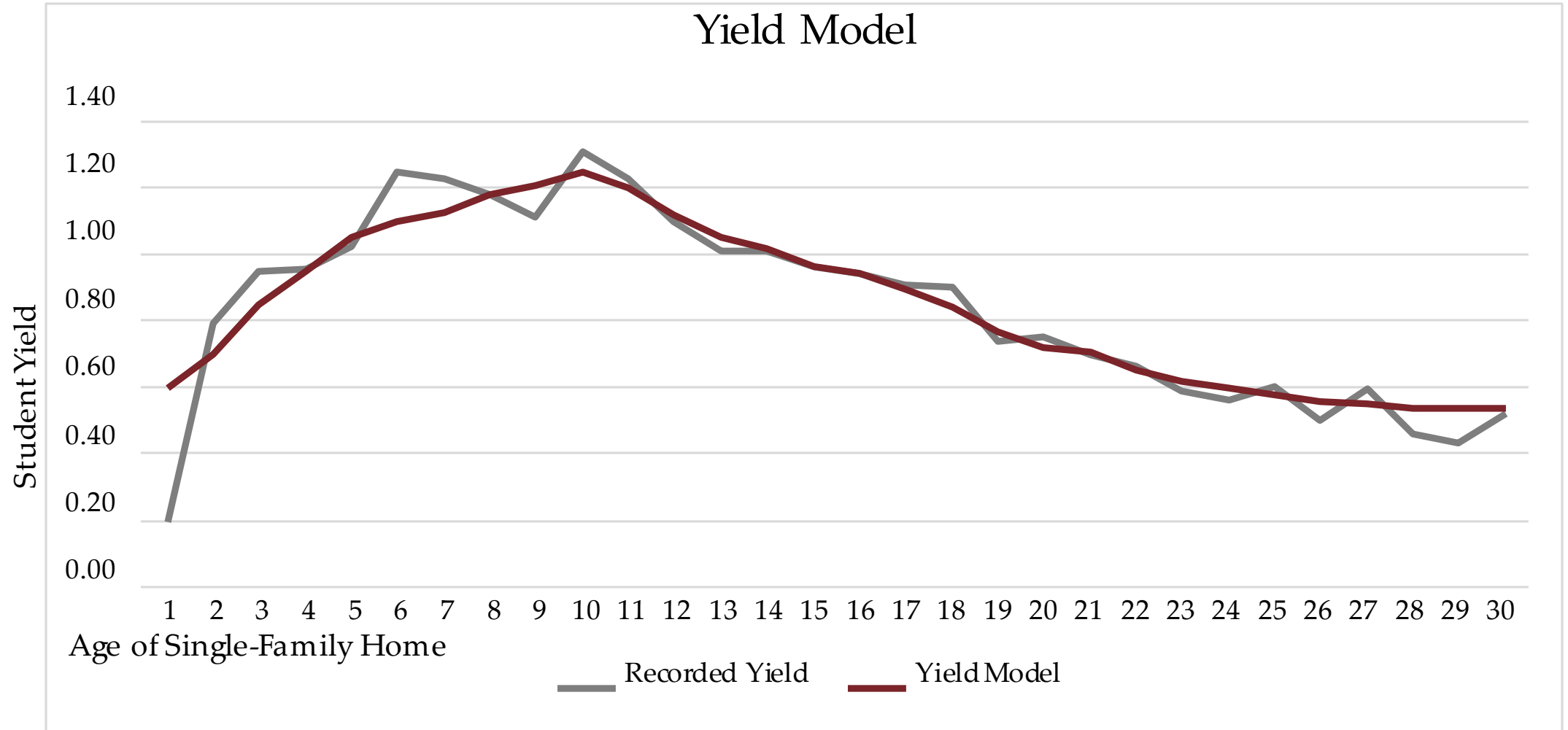
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Count of Homes	Total Market Value of Home												TOTAL
	50K - 100K	100K - 150K	150K - 200K	200K - 250K	250K - 300K	300K - 350K	350K - 400K	400K - 450K	450K - 500K	500K - 550K	550K - 600K	> 600K	
30			5	25	26	39	20	7	5	14	9	26	176
29			3	35	22	57	27	17	14	8	13	28	224
28			4	31	41	73	44	10	13	15	13	42	286
27			1	41	118	106	54	36	26	27	19	69	497
26			2	89	157	140	80	38	27	27	25	64	649
25			45	90	71	104	31	18	21	15	9	25	429
24			86	153	144	159	72	24	20	13	13	35	719
23	1	86	151	200	214	96	39	11	17	13	25		853
22		31	127	281	199	90	29	9	15	13	39		833
21	1	107	329	389	262	117	54	46	33	15	75		1,428
20		58	278	313	254	90	46	33	19	18	47		1,156
19		35	283	328	288	124	78	46	28	19	45		1,274
18	2	99	254	270	312	164	118	62	50	25	52		1,408
17	12	53	192	240	281	213	139	78	45	27	70		1,350
16		12	232	296	295	244	160	79	73	43	76		1,510
15	4	20	116	185	195	244	194	59	49	37	137		1,240
14	4	2	37	84	91	155	108	44	35	28	74		662
13	4	11	51	67	88	118	80	38	31	19	68		575
12	3	8	38	41	60	37	31	13	17	10	50		308
11	1	7	14	57	34	51	34	23	11	13	18		263
10	2	7	13	60	68	66	53	20	19	11	19		338
9	3	10	6	42	42	69	55	37	25	24	45		358
8			17	44	71	78	111	46	25	18	35		445
7			14	69	66	110	108	53	34	24	36		514
6			5	49	66	68	74	64	27	22	60		435
5			6	59	87	81	45	47	31	14	61		431
4				42	95	93	92	68	45	21	59		515
3				11	84	112	111	49	40	30	41		478
2	16	29	28	27	22	80	84	67	32	12	15	20	432
1	5												5
TOTAL	21	66	720	2,654	3,728	3,910	2,832	1,976	1,083	800	560	1,441	19,791



YIELD MODEL

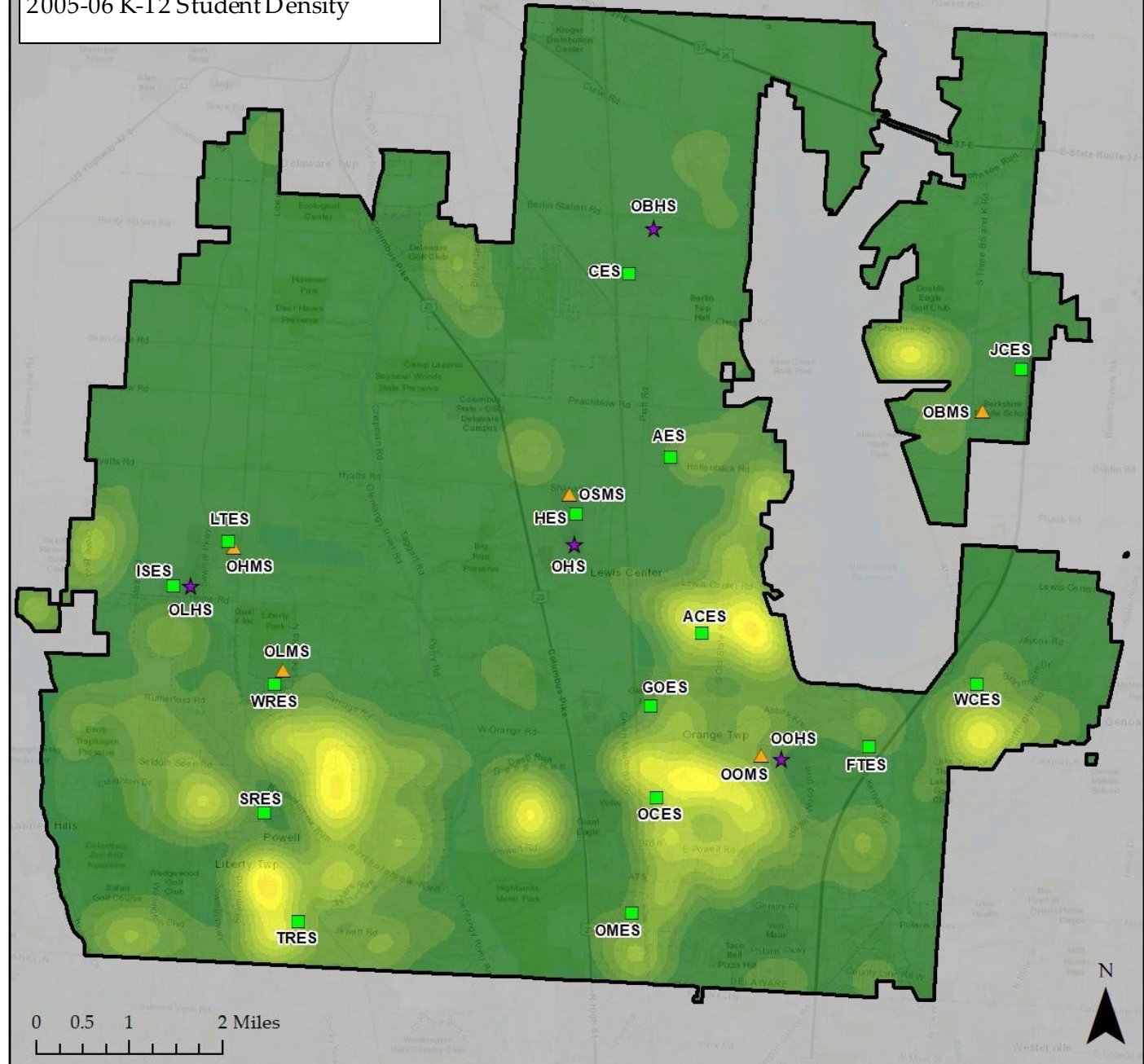


STUDENT DENSITY

K-12 Student Density:

School Points	Students/Sq.Mi.	501 - 600	1,101 - 1,200
■ Elementary School	< 101	601 - 700	1,201 - 1,300
▲ Middle School	101 - 200	701 - 800	1,301 - 1,400
★ High School	201 - 300	801 - 900	1,401 - 1,500
	301 - 400	901 - 1,000	1,501 - 1,600
	401 - 500	1,001 - 1,100	> 1,600

Olentangy Local School District
2005-06 K-12 Student Density

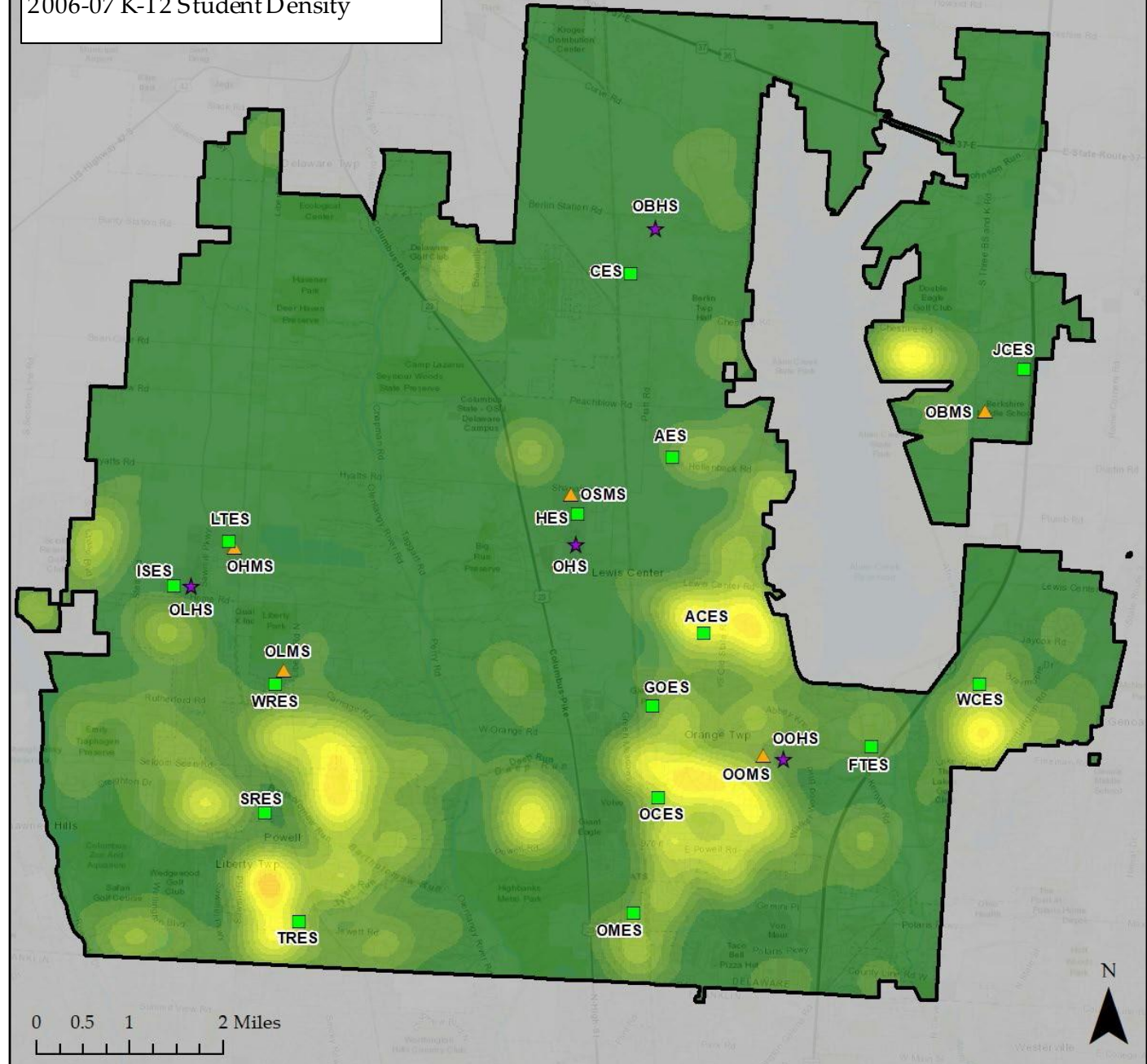


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Olentangy Local School District 2006-07 K-12 Student Density

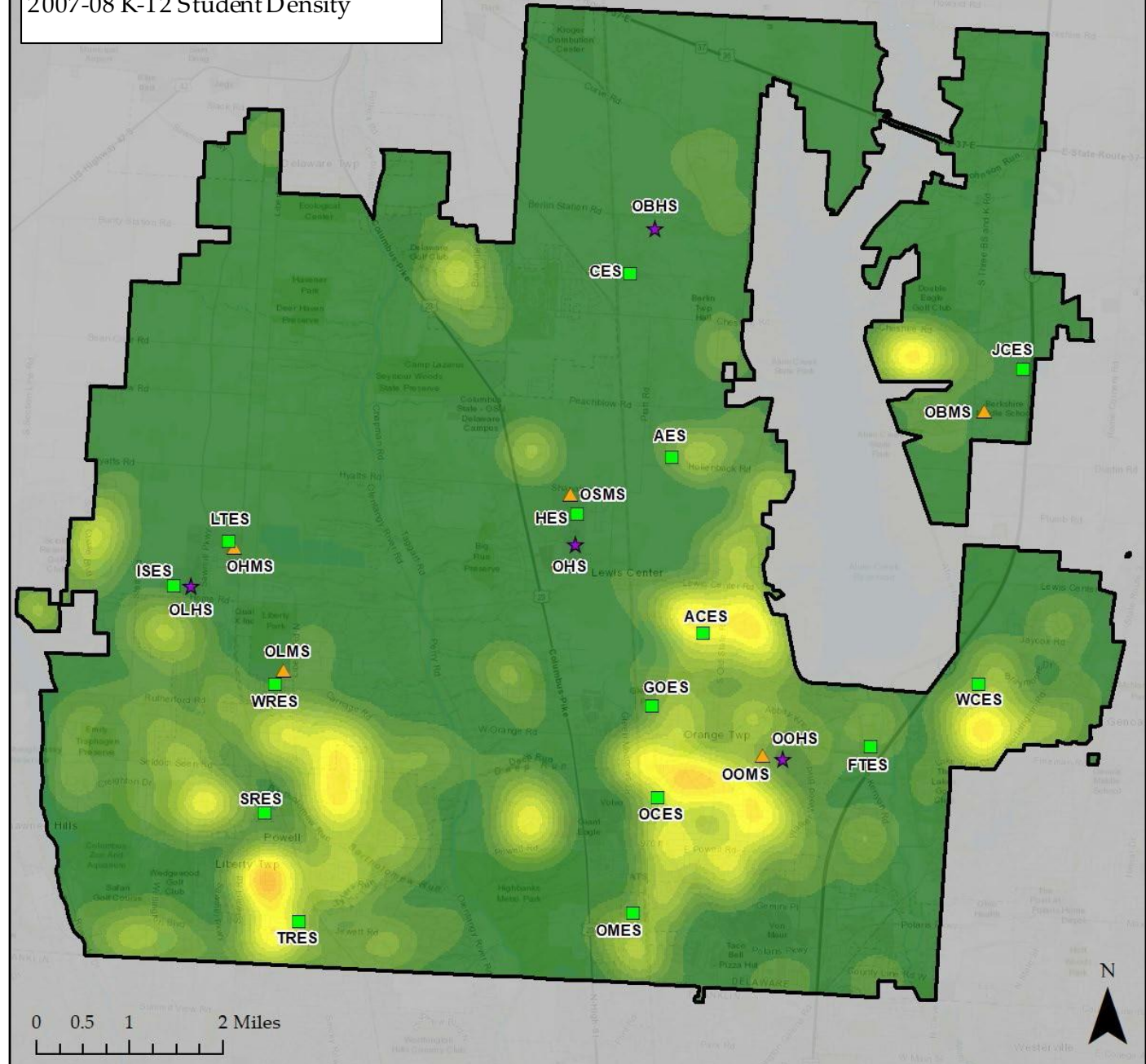


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Olentangy Local School District 2007-08 K-12 Student Density

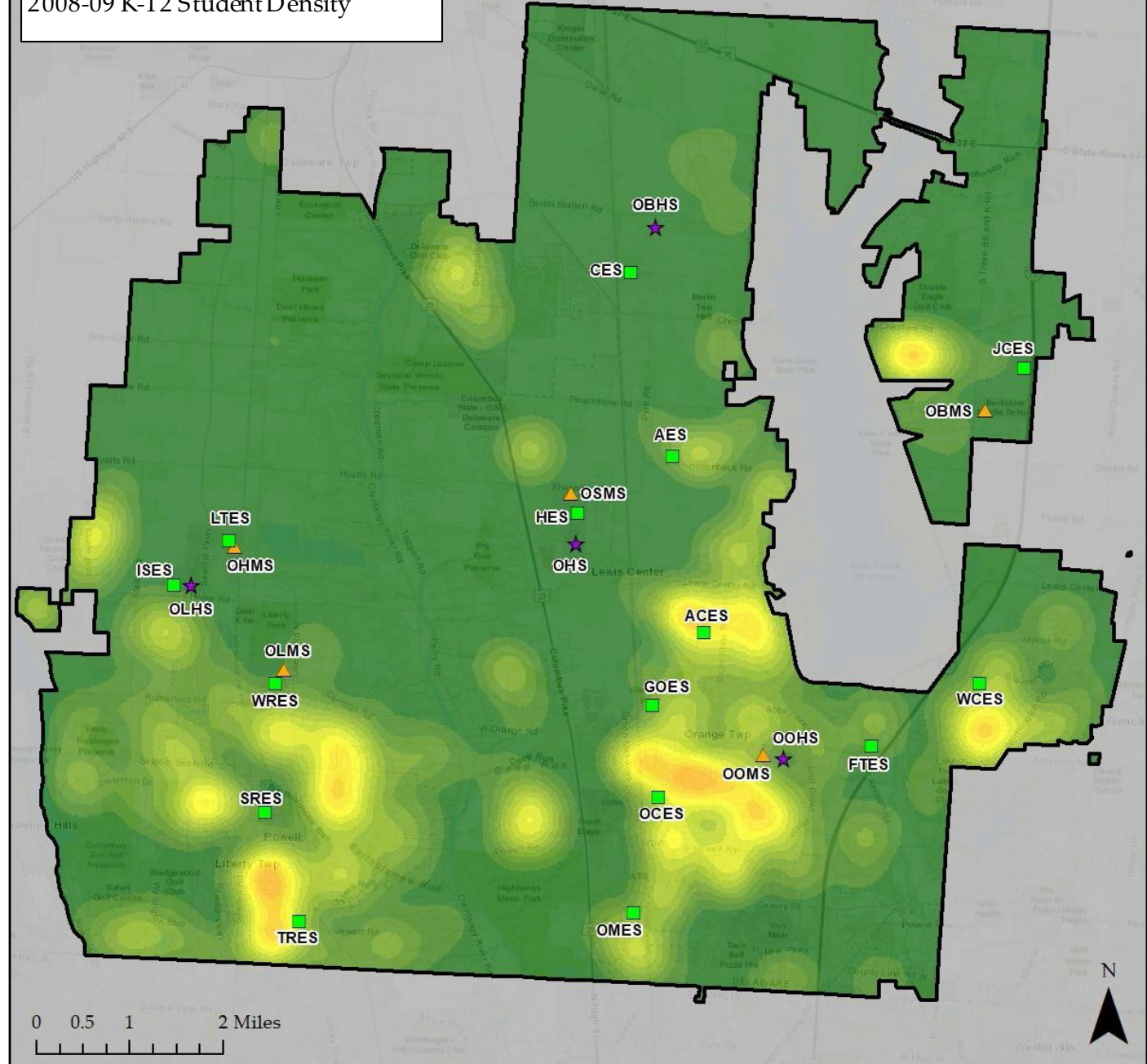


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Olentangy Local School District 2008-09 K-12 Student Density

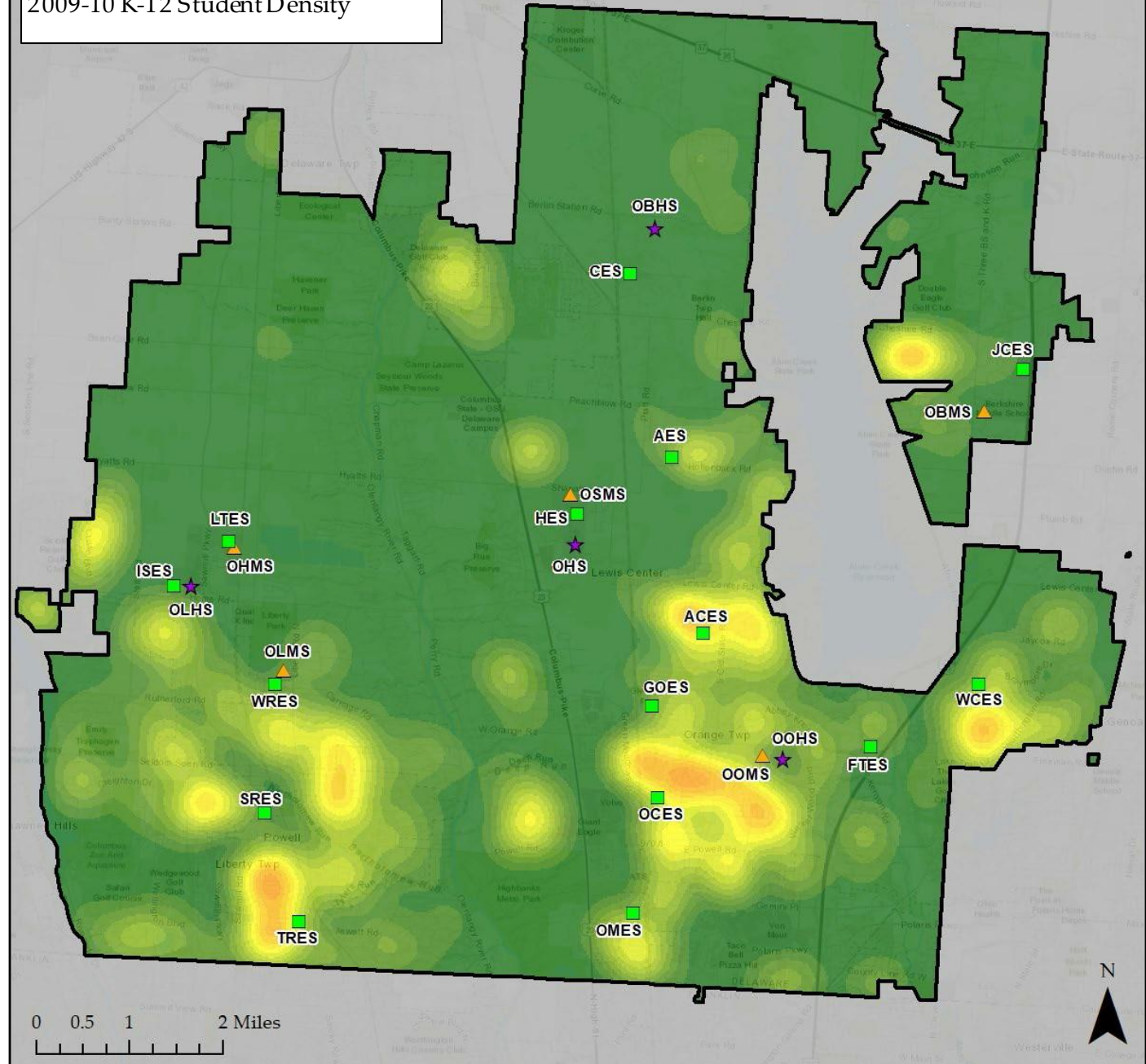


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Olentangy Local School District 2009-10 K-12 Student Density

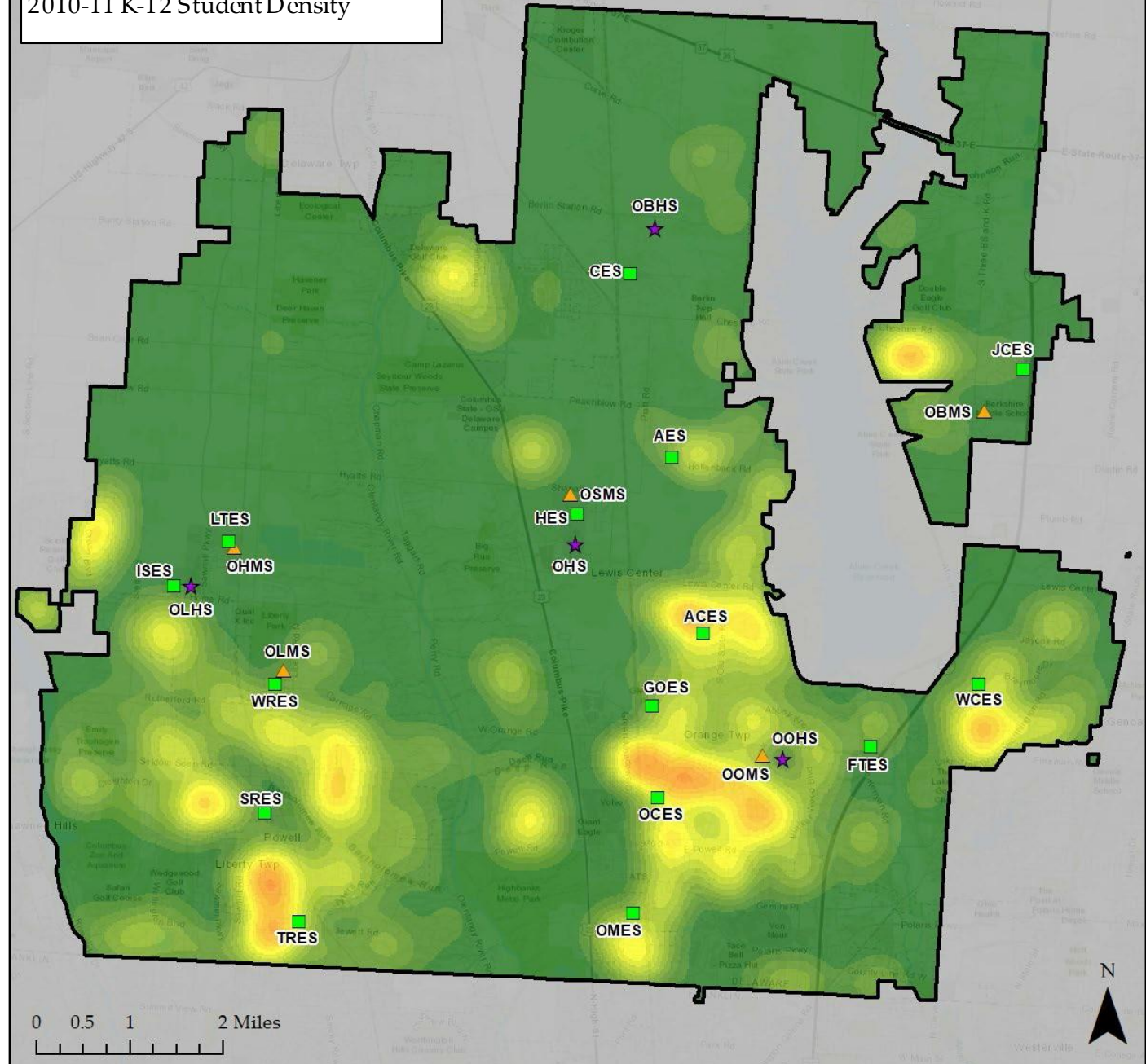


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Olentangy Local School District 2010-11 K-12 Student Density

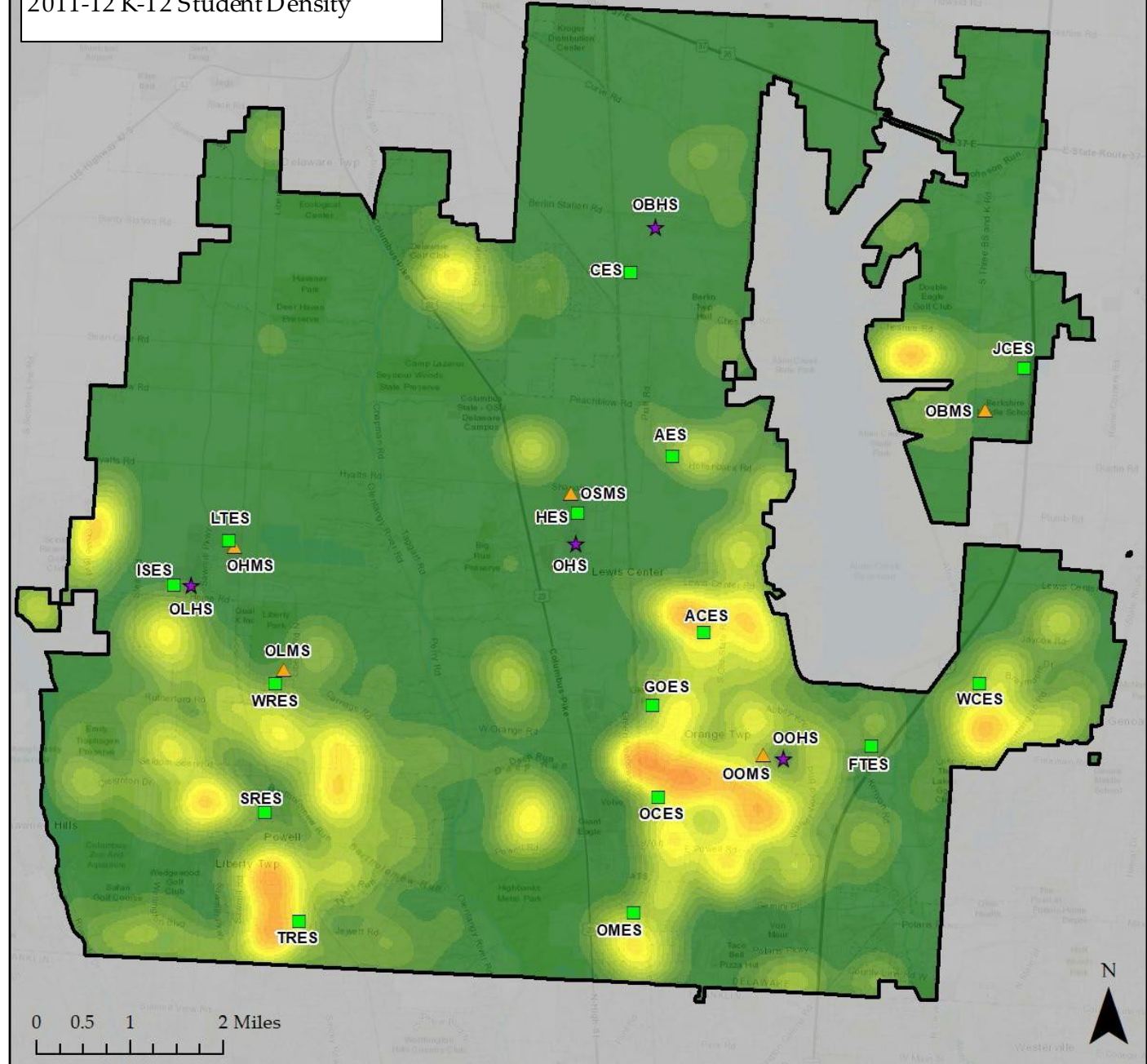


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Olentangy Local School District 2011-12 K-12 Student Density

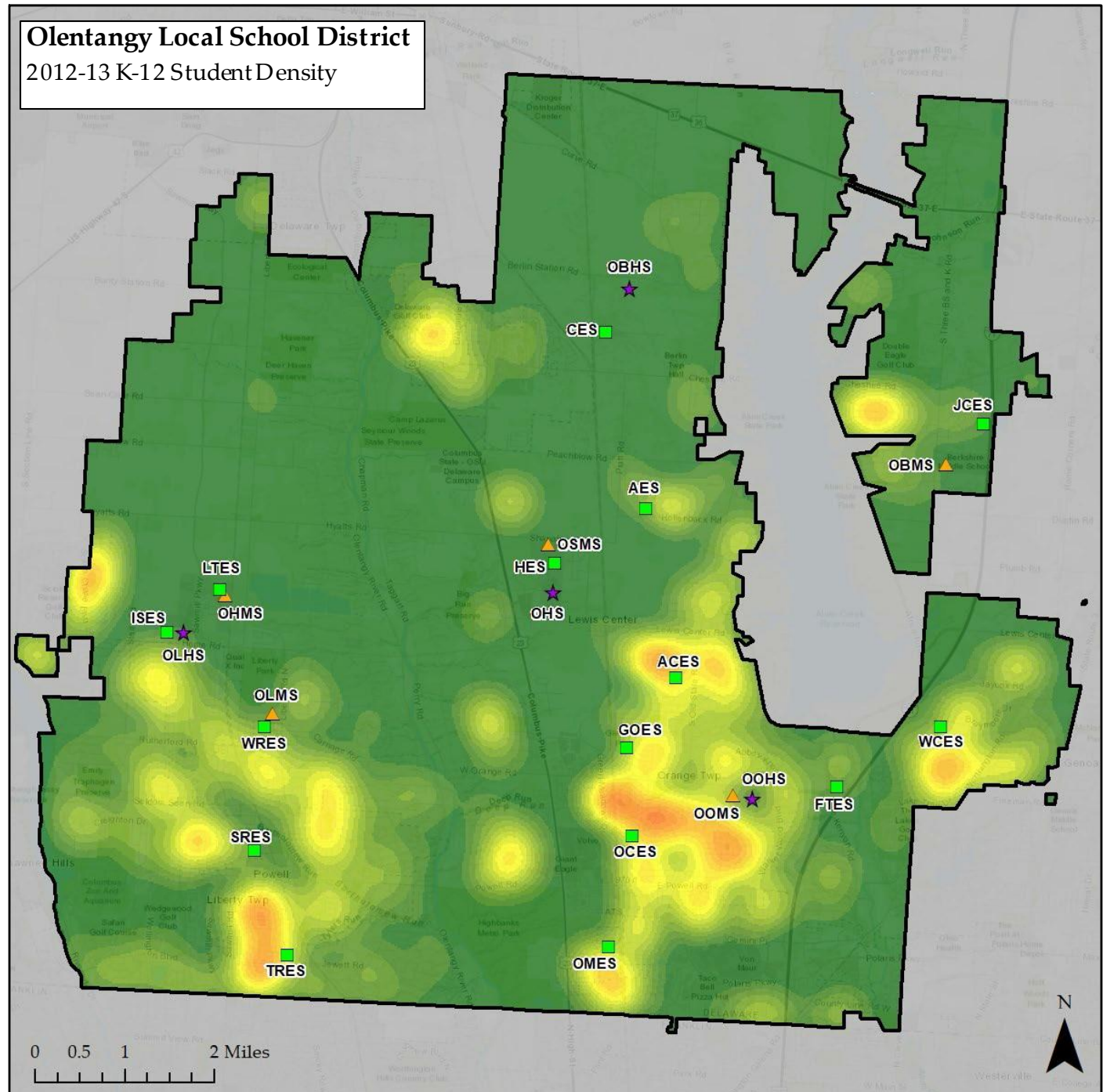


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Olentangy Local School District 2012-13 K-12 Student Density

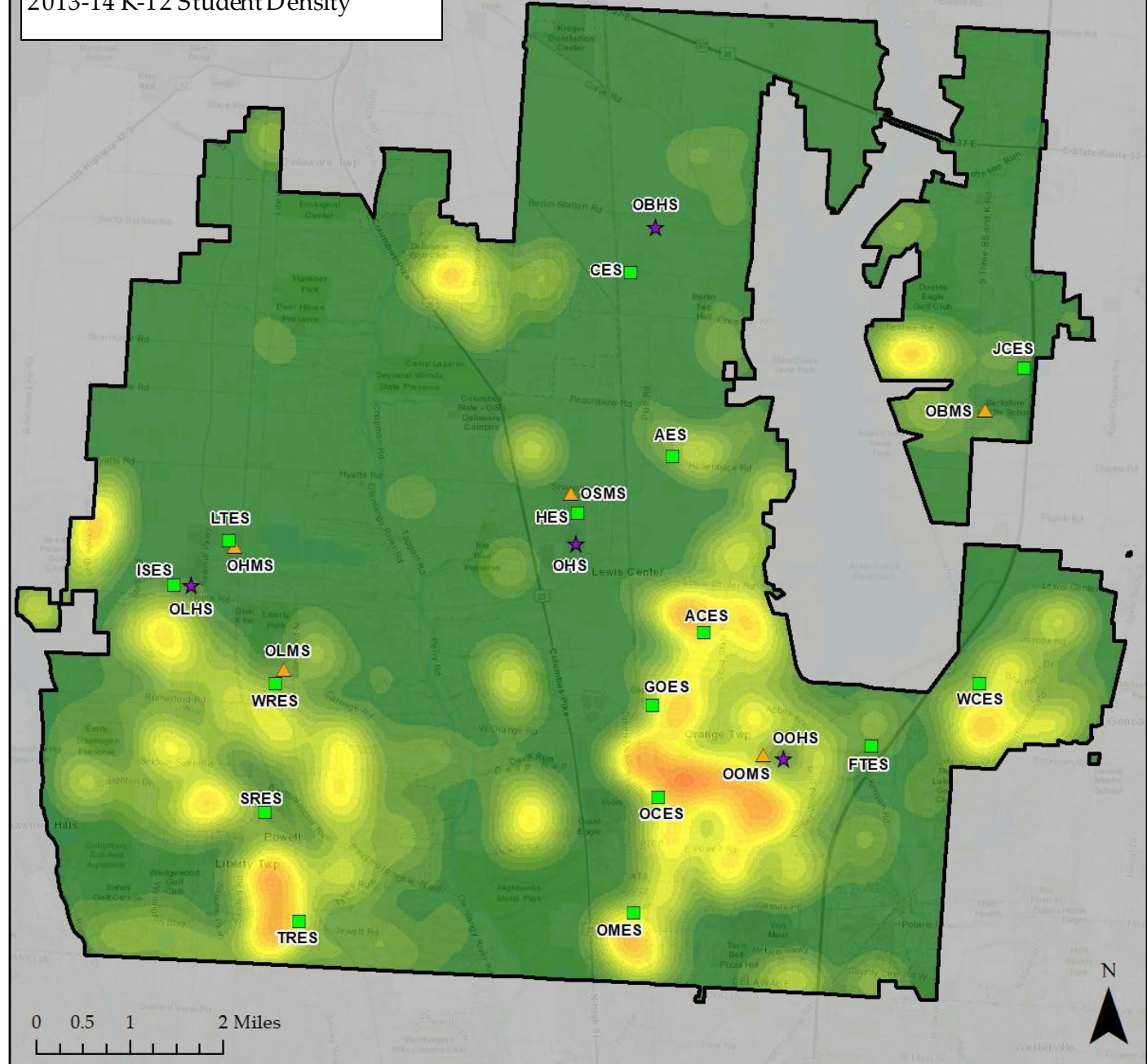


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Olentangy Local School District 2013-14 K-12 Student Density

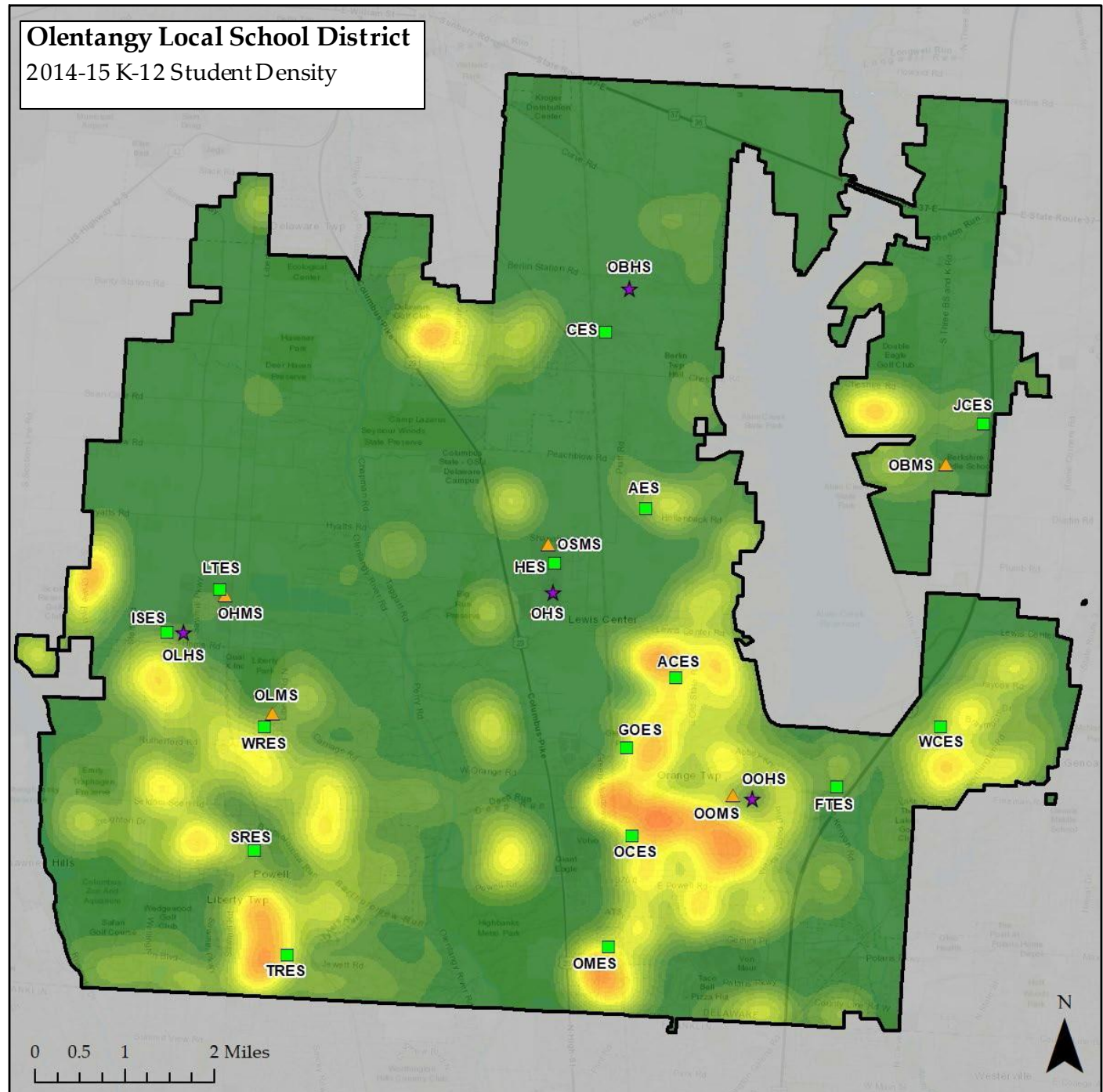


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Olentangy Local School District 2014-15 K-12 Student Density

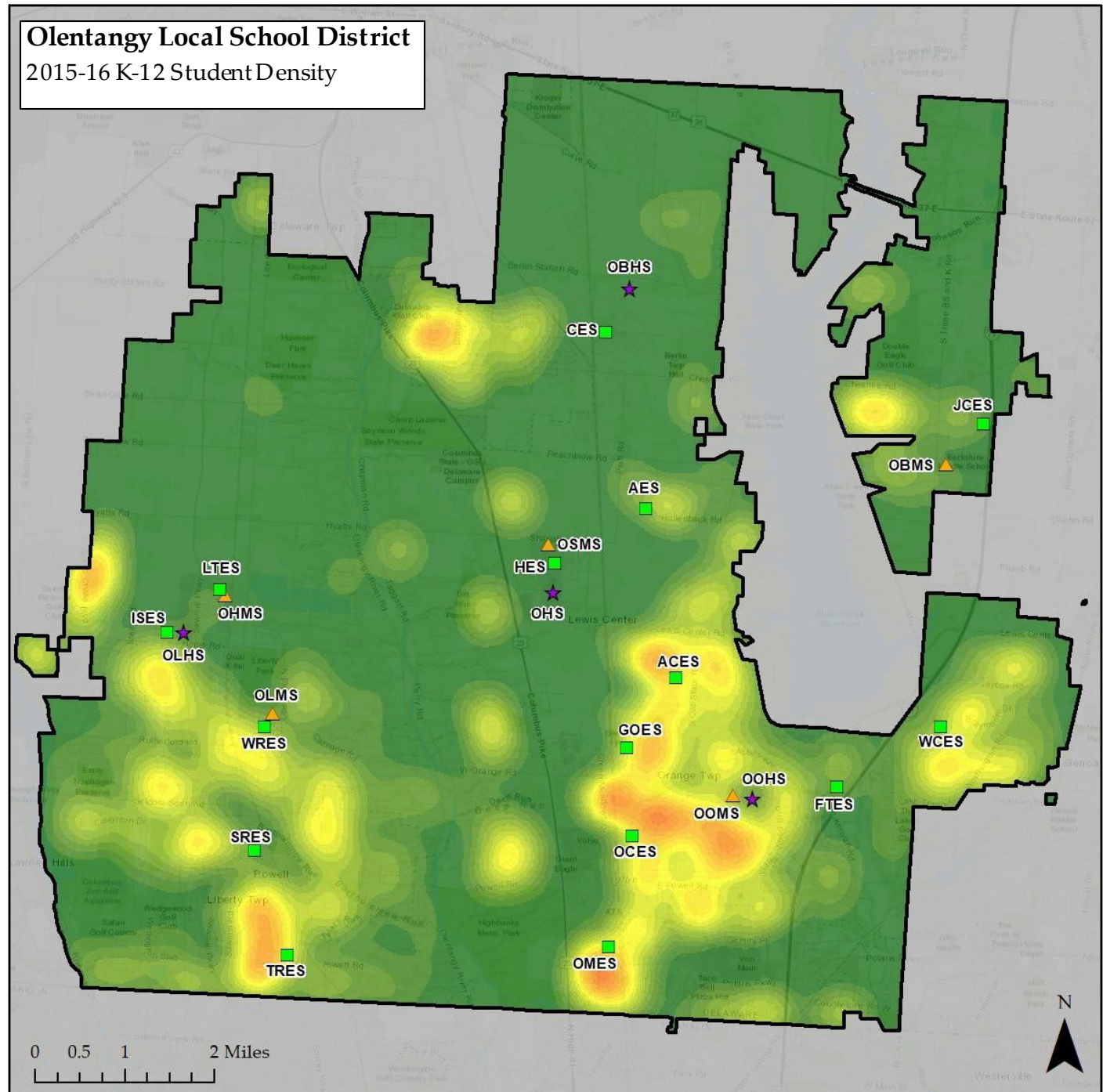


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Olentangy Local School District 2015-16 K-12 Student Density

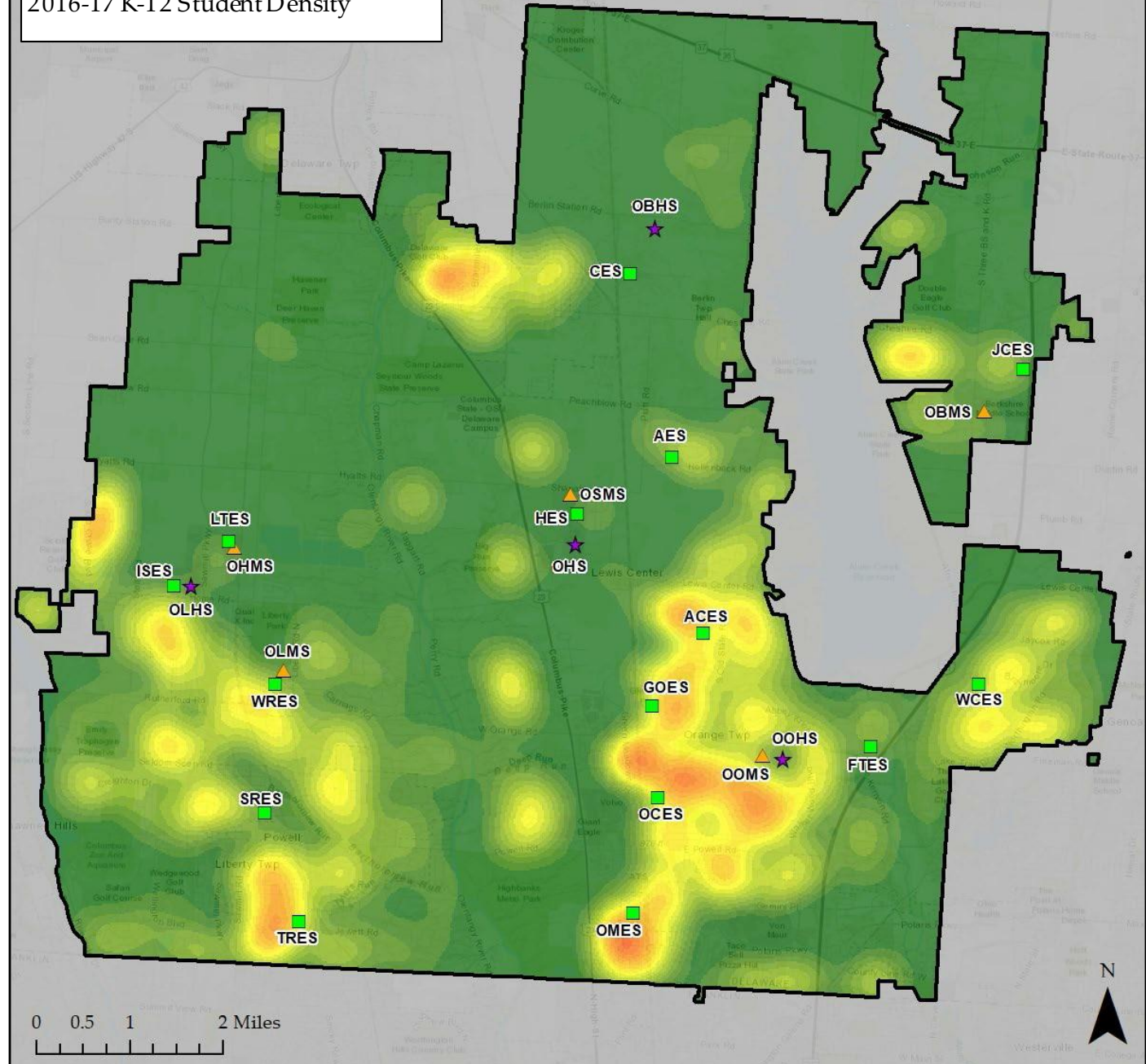


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Olentangy Local School District 2016-17 K-12 Student Density

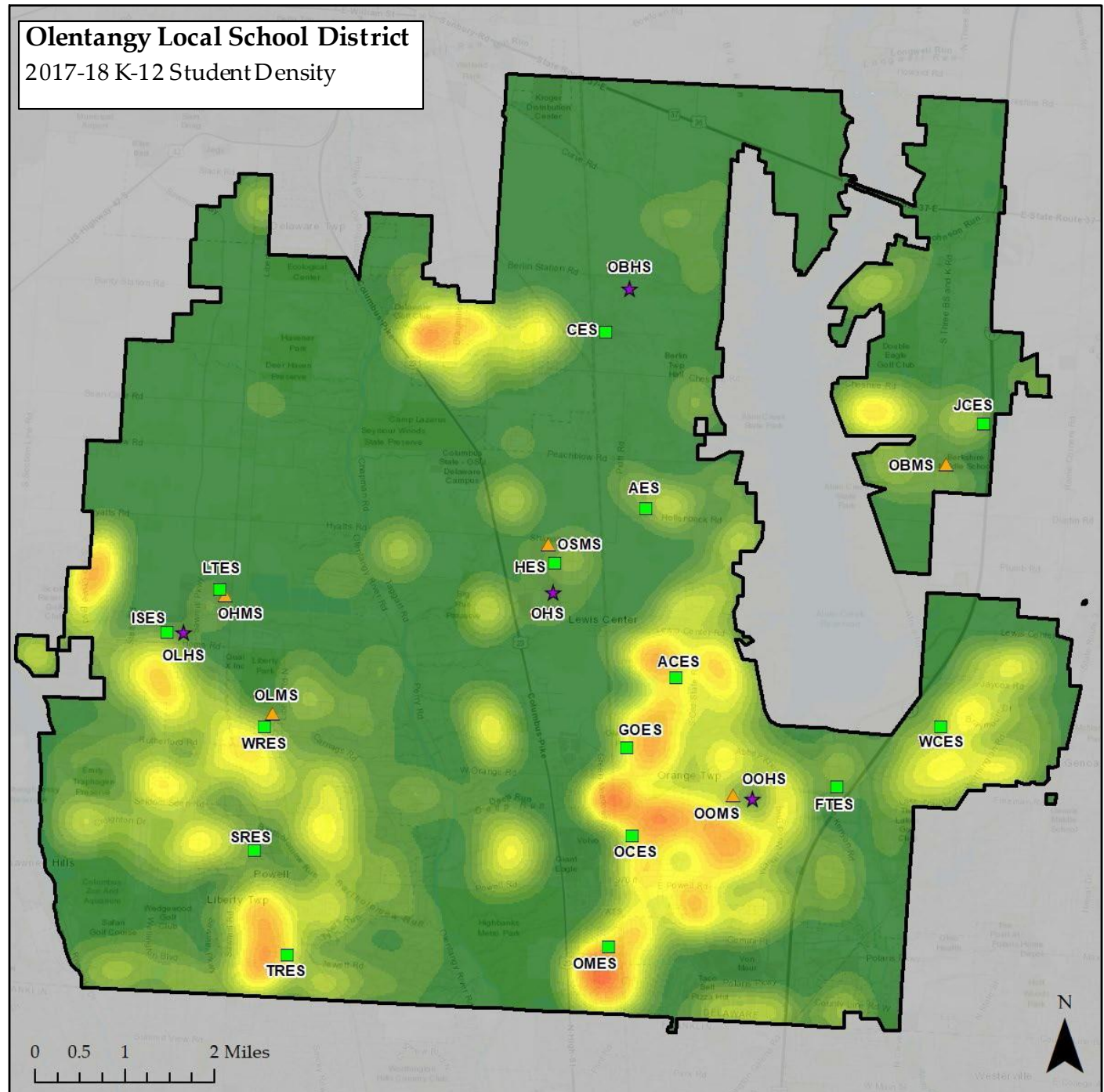


STUDENT DENSITY

K-12 Student Density:

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Olentangy Local School District 2017-18 K-12 Student Density

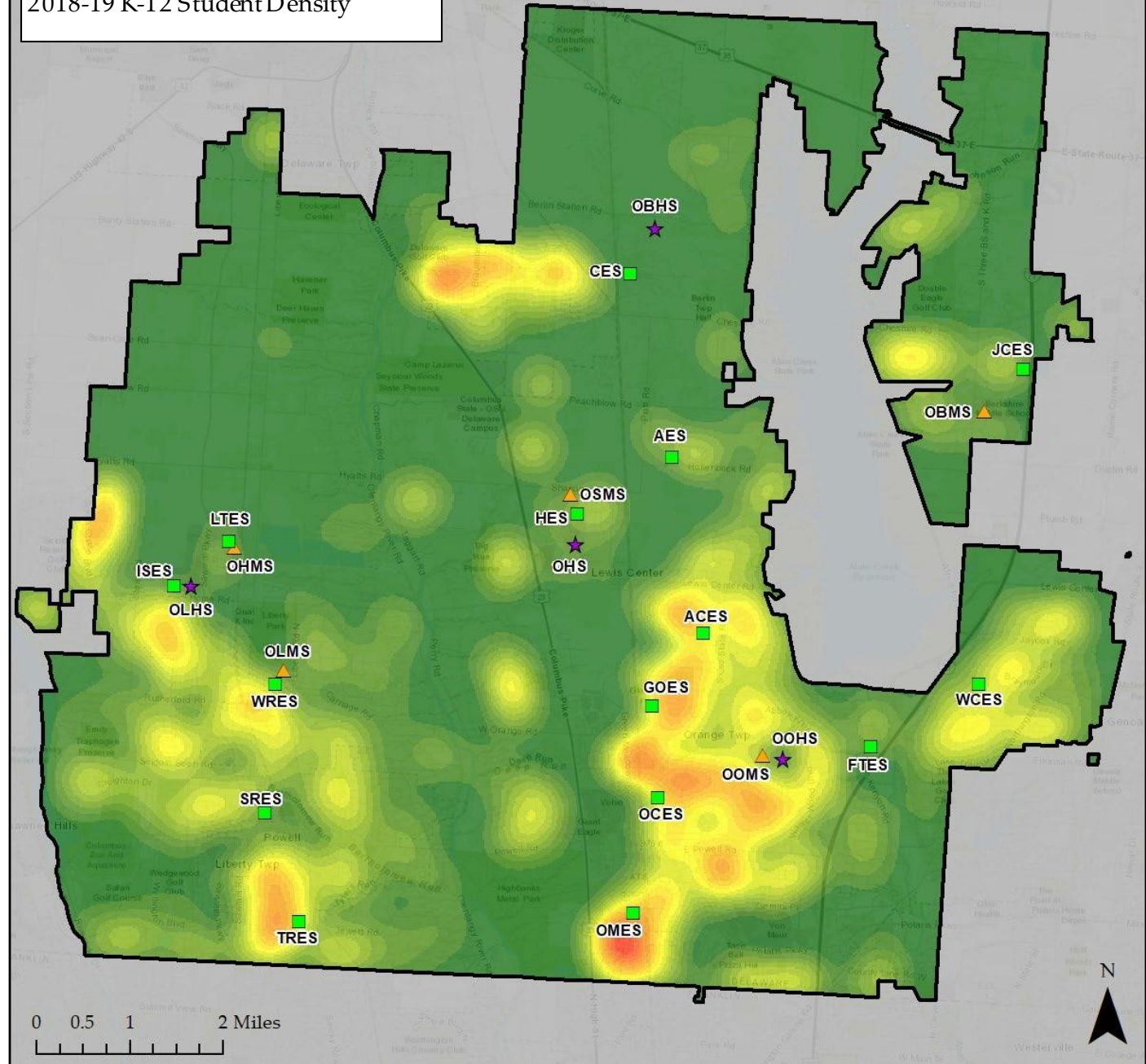


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K-12 Student Density:

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Olentangy Local School District 2018-19 K-12 Student Density

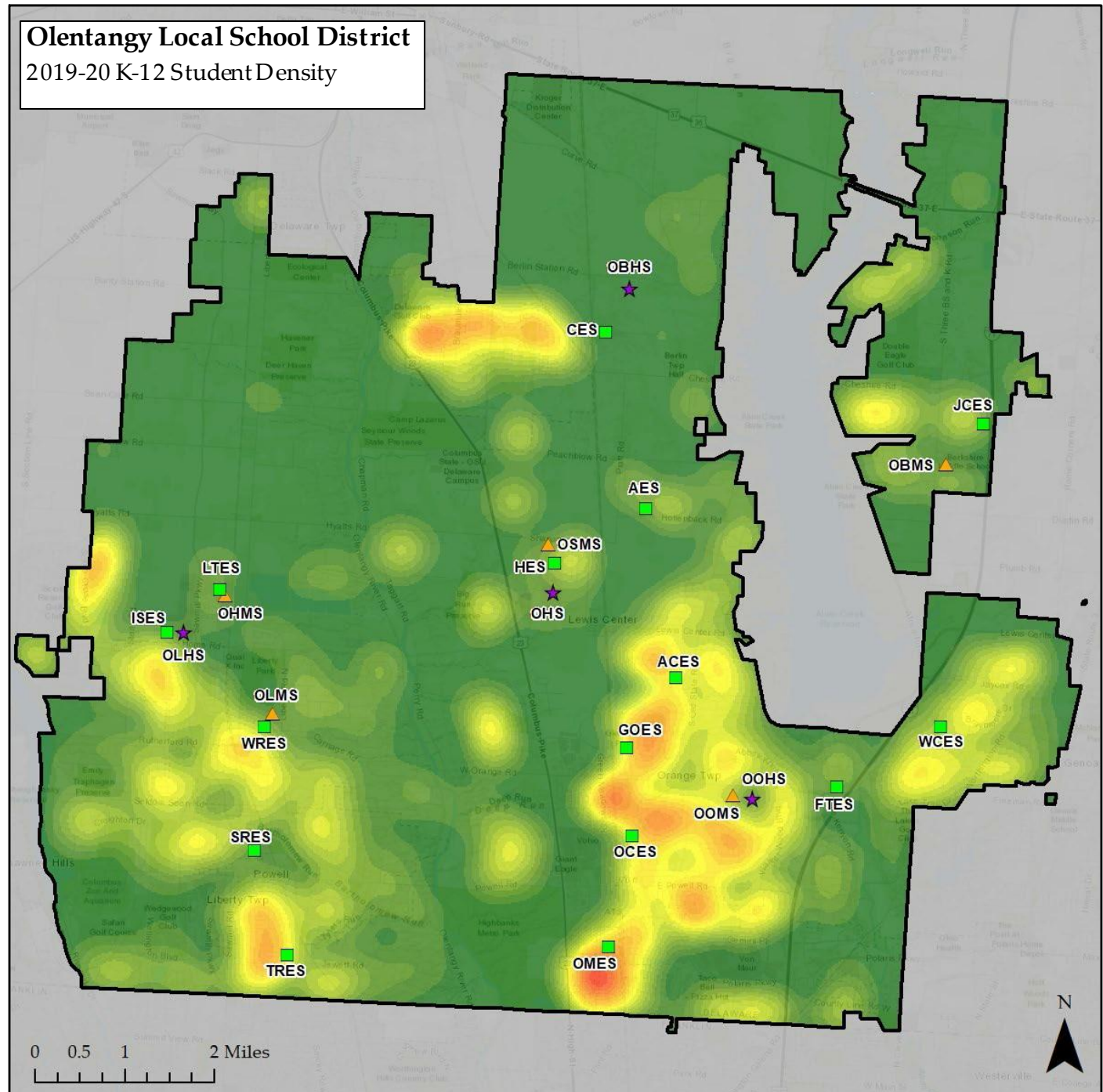


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Olentangy Local School District 2019-20 K-12 Student Density

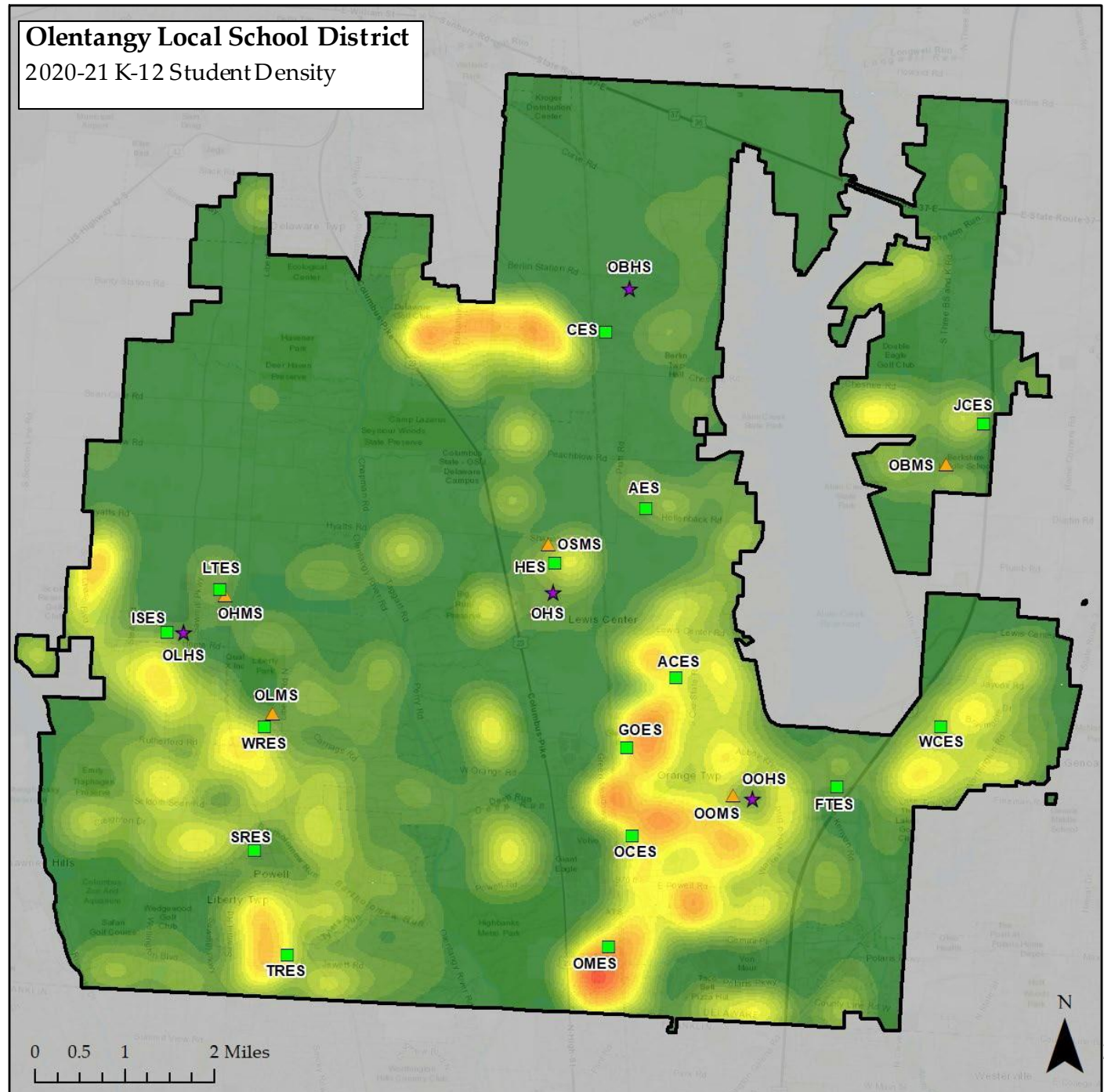


STUDENT DENSITY

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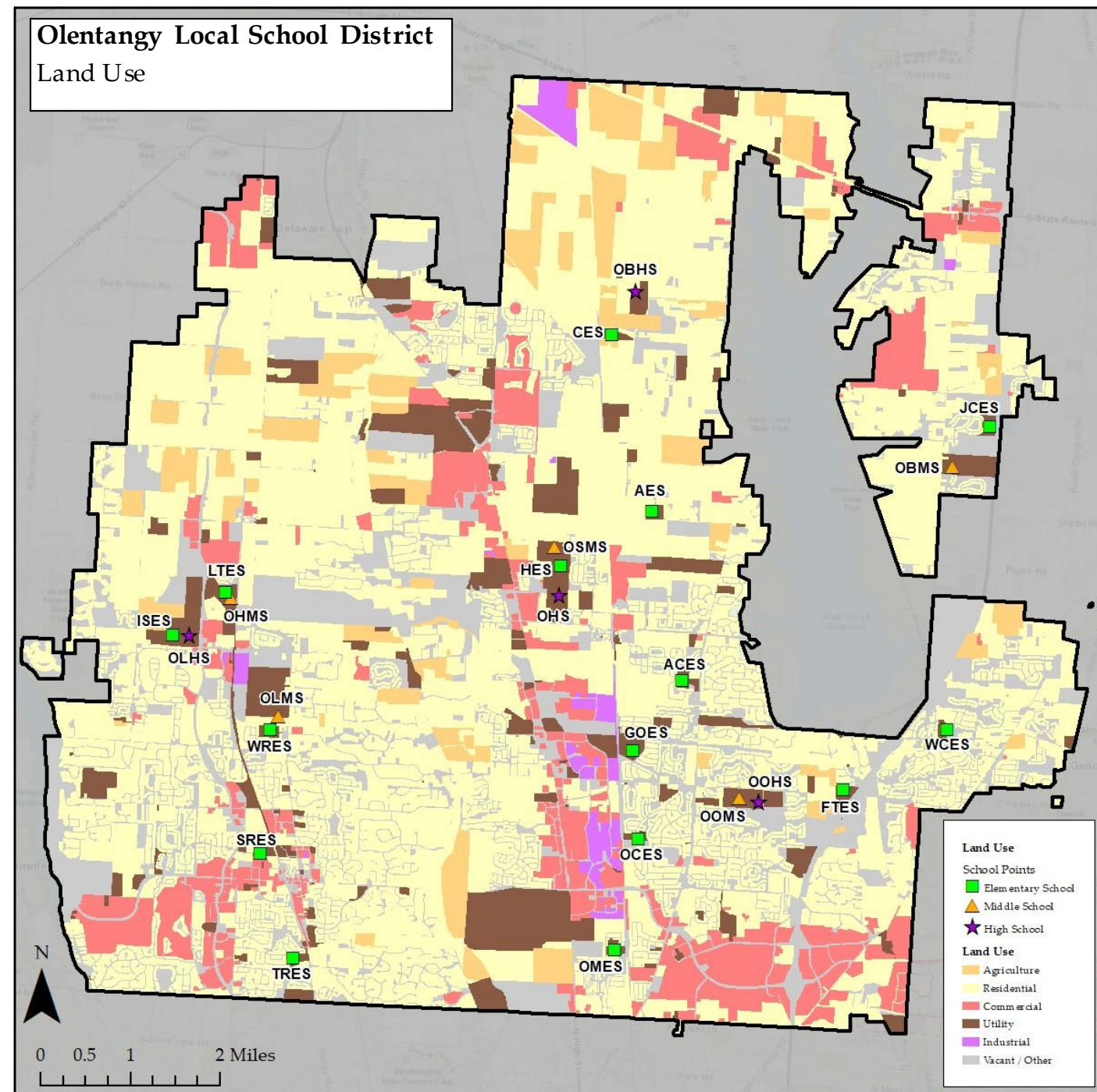
Olentangy Local School District 2020-21 K-12 Student Density



EXISTING LAND USE

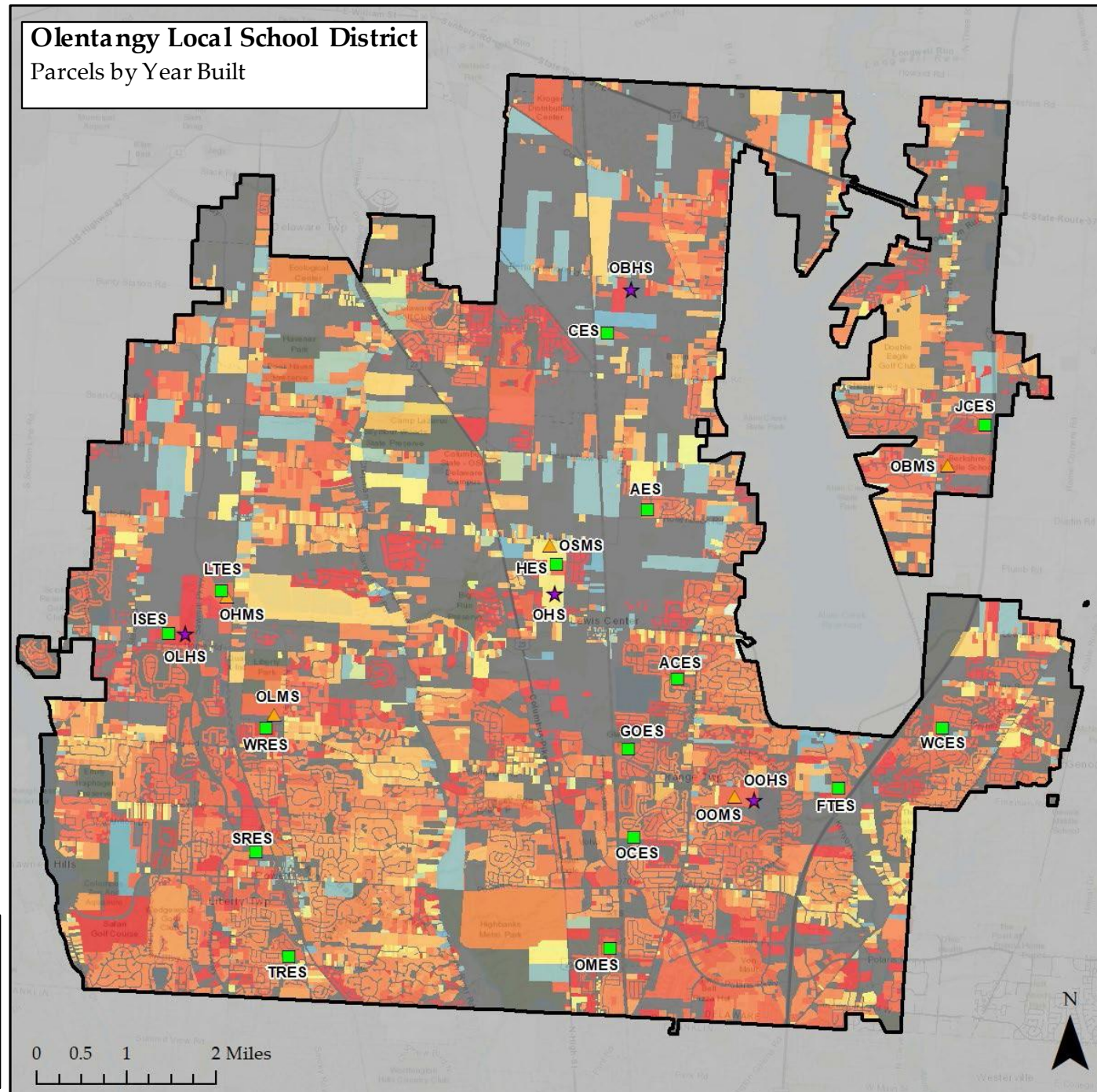
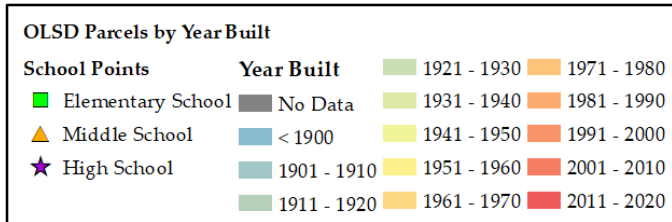
Land Use	Acres	% of Total
Agriculture	4,230	5%
Commerical	12,574	15%
Exempt, Utility	5,210	6%
Industrial	1,278	2%
Residential	56,133	66%
Vacant / Other	5,008	6%
TOTAL	84,432	100%

*Residential category includes rural residential



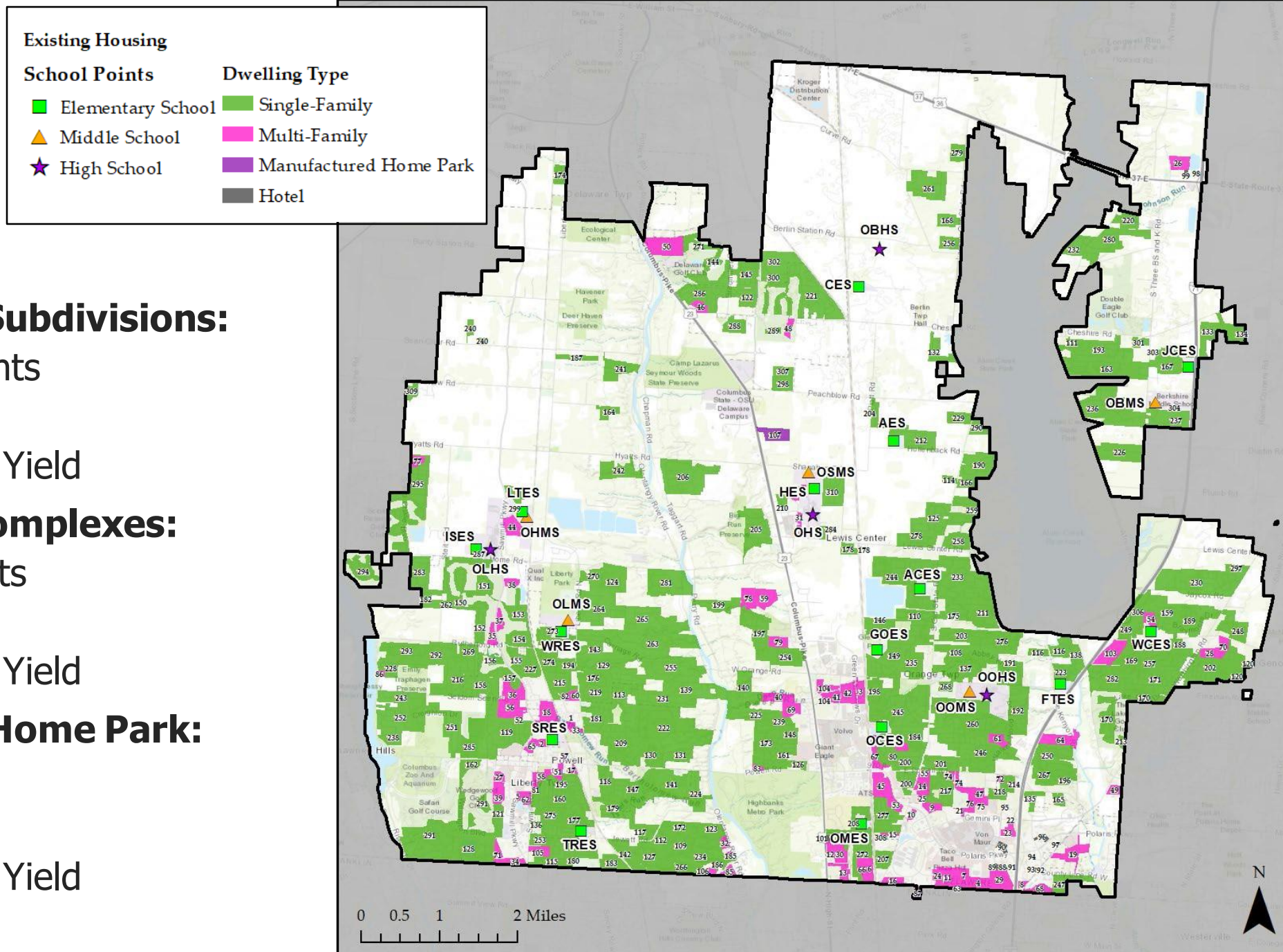
YEAR BUILT

Year	# Of SF Units	Year	# Of SF Units	Year	# Of SF Units	Year	# Of SF Units
1980	53	1990	176	2000	1,156	2010	338
1981	28	1991	224	2001	1,274	2011	358
1982	8	1992	286	2002	1,408	2012	445
1983	23	1993	497	2003	1,350	2013	514
1984	108	1994	649	2004	1,510	2014	435
1985	126	1995	429	2005	1,240	2015	431
1986	187	1996	719	2006	662	2016	515
1987	397	1997	853	2007	575	2017	478
1988	318	1998	833	2008	308	2018	432
1989	219	1999	1,428	2009	263	2019	5



EXISTING HOUSING

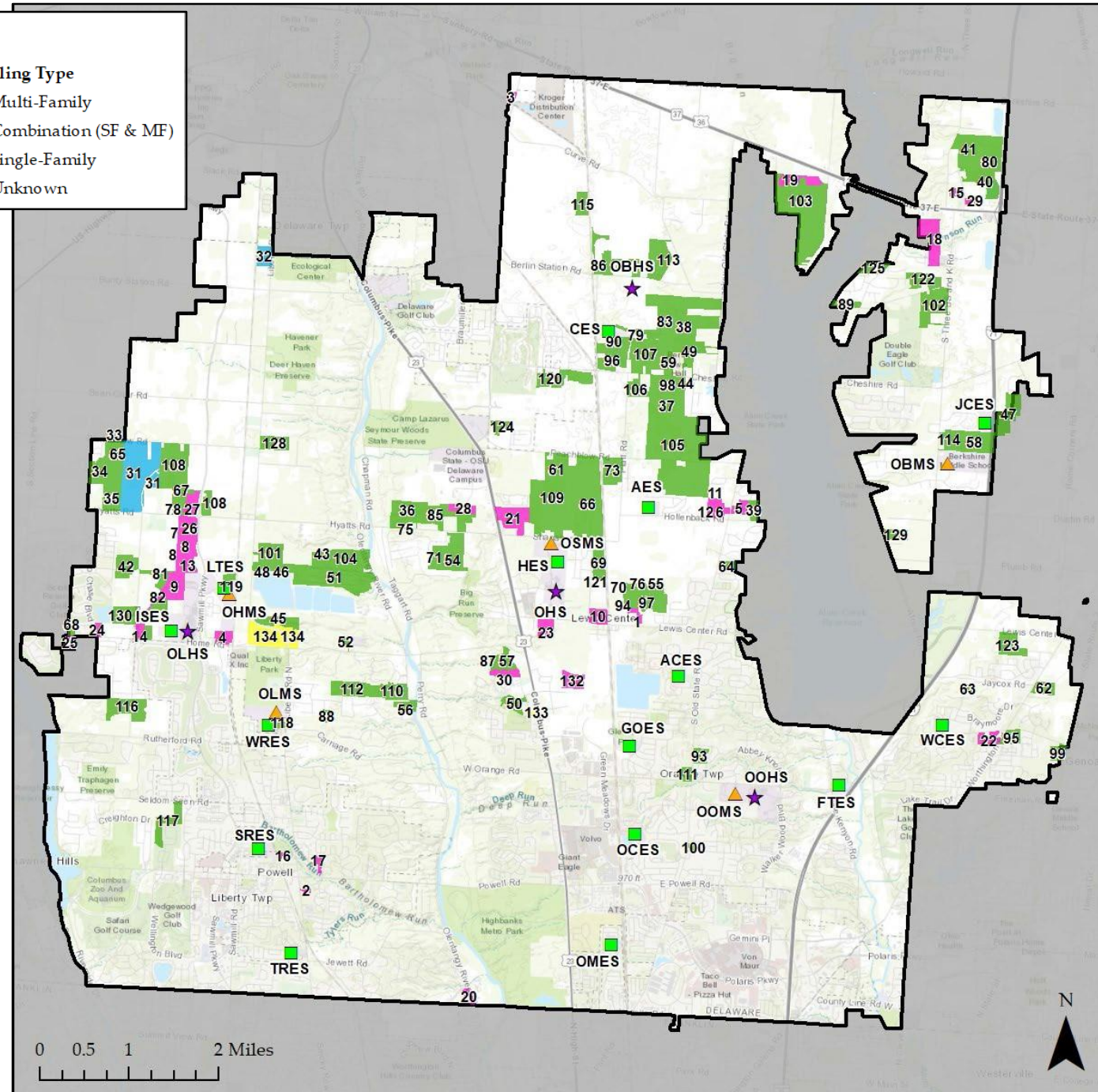
- **Single-Family Subdivisions:**
 - 17,922 students
 - 22,291 units
 - 0.81 Student Yield
- **Multi-Family Complexes:**
 - 2,033 students
 - 11,812 units
 - 0.18 Student Yield
- **Manufactured Home Park:**
 - 97 students
 - 225 units
 - 0.43 Student Yield



DEVELOPMENT

- **Single-Family Subdivisions:**
 - 9,238 units
- **Multi-Family Complexes:**
 - 2,431 units

Housing Development	
School Points	Dwelling Type
■ Elementary School	■ Multi-Family
▲ Middle School	■ Combination (SF & MF)
★ High School	■ Single-Family
	■ Unknown



VACANT, DEVELO

- 8,281 Acres

Vacant, Developable Land

School Points

■

Elementary School

▲

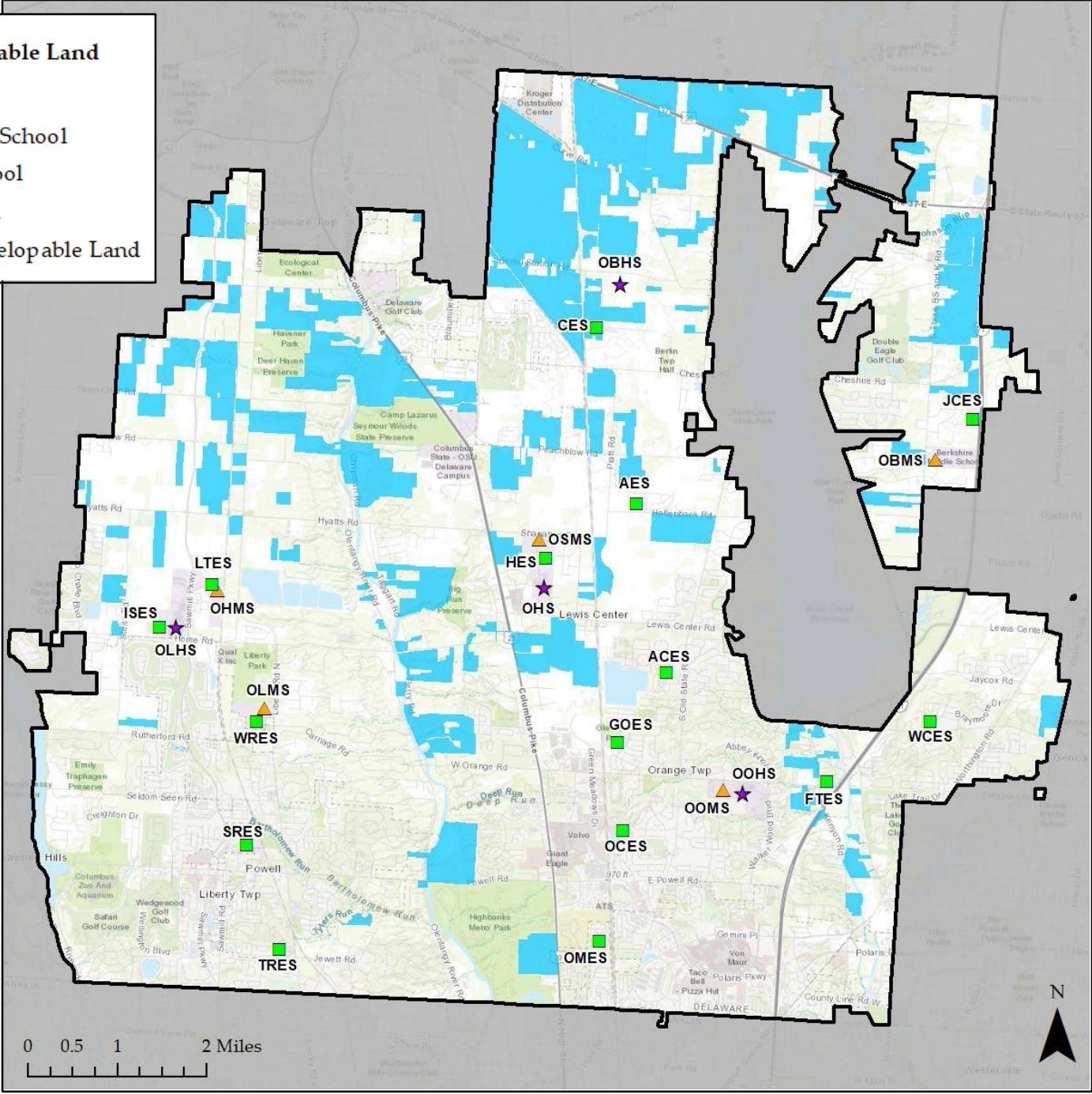
Middle School

★

High School

■

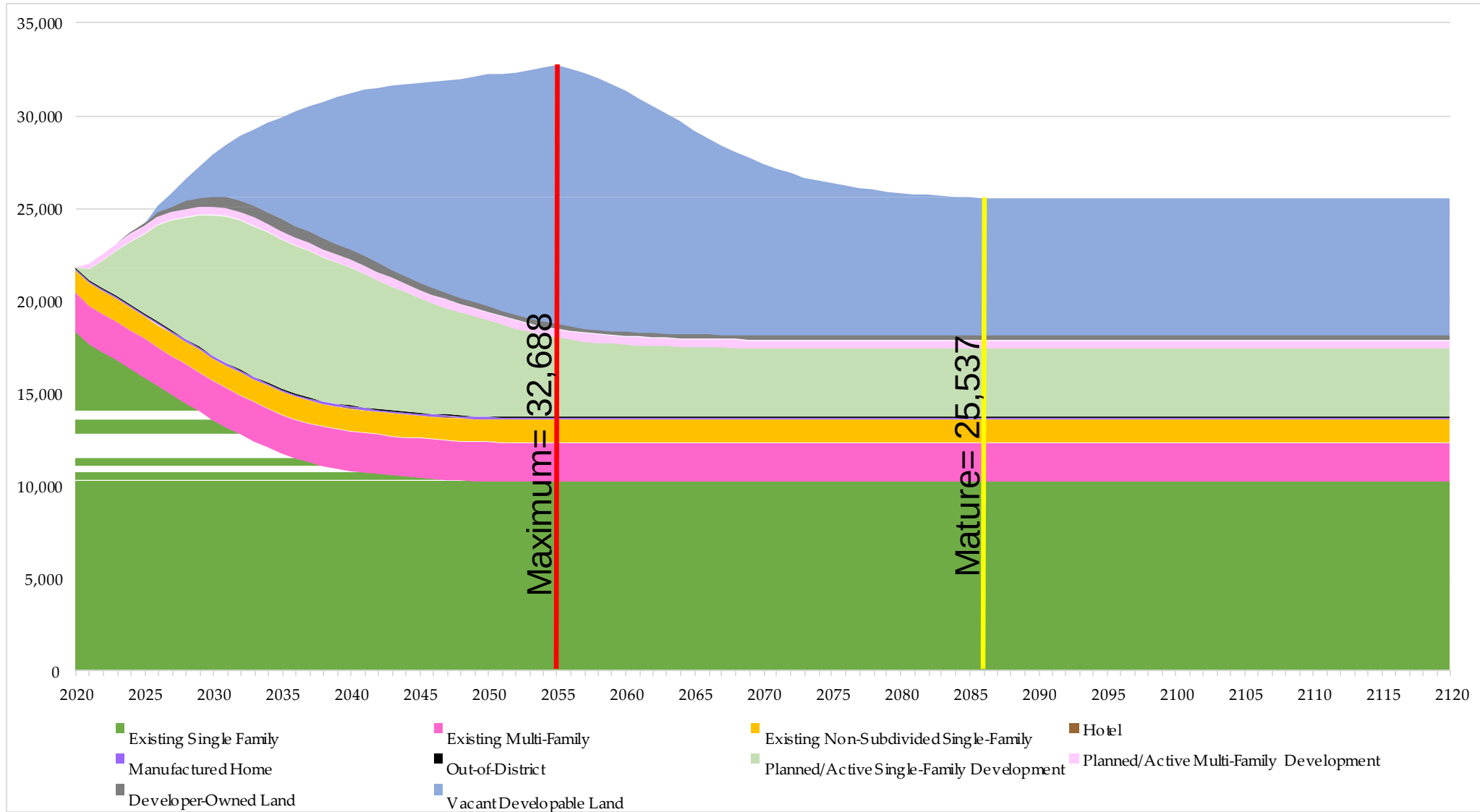
Vacant, Developable Land



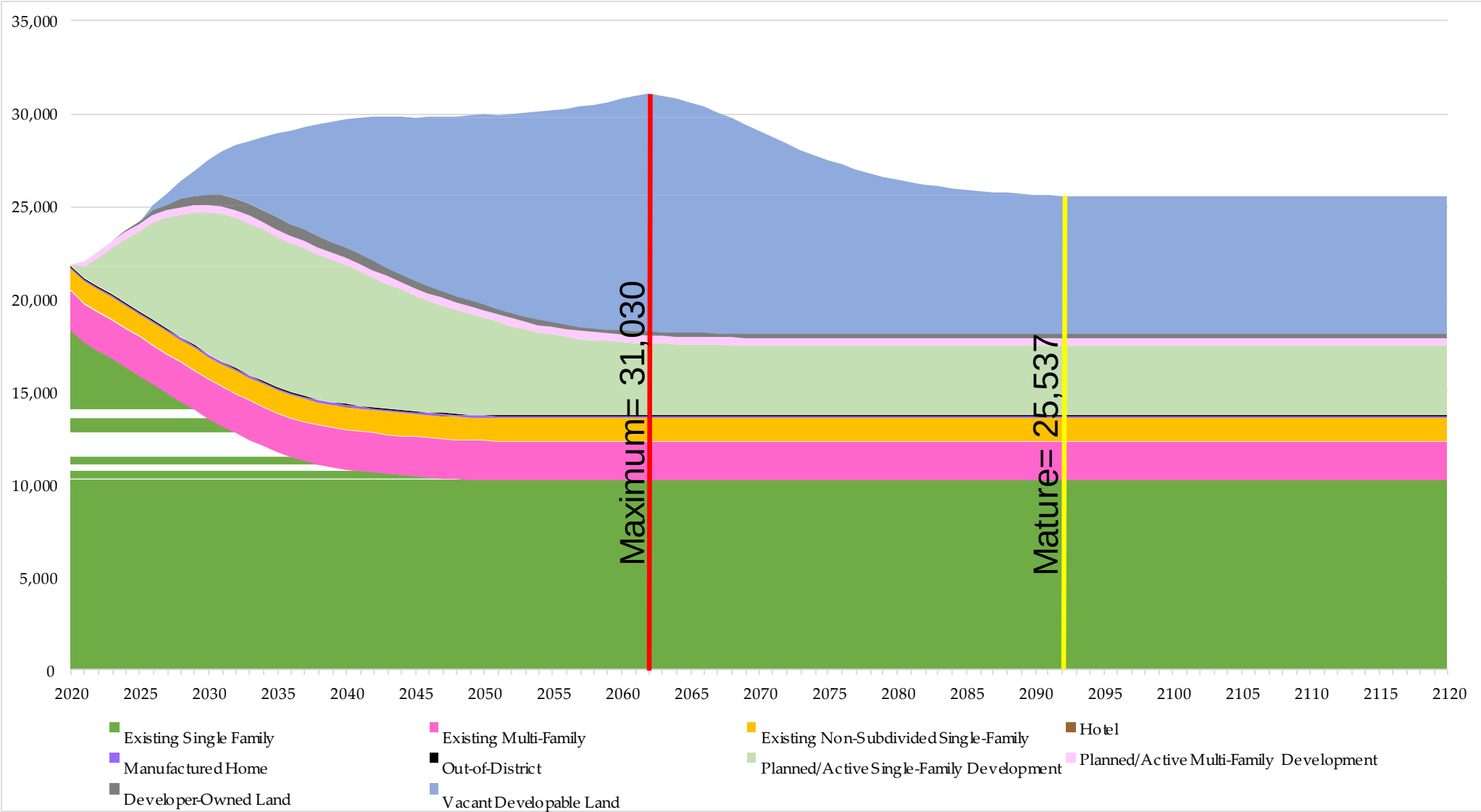
STUDENT POTENTIAL



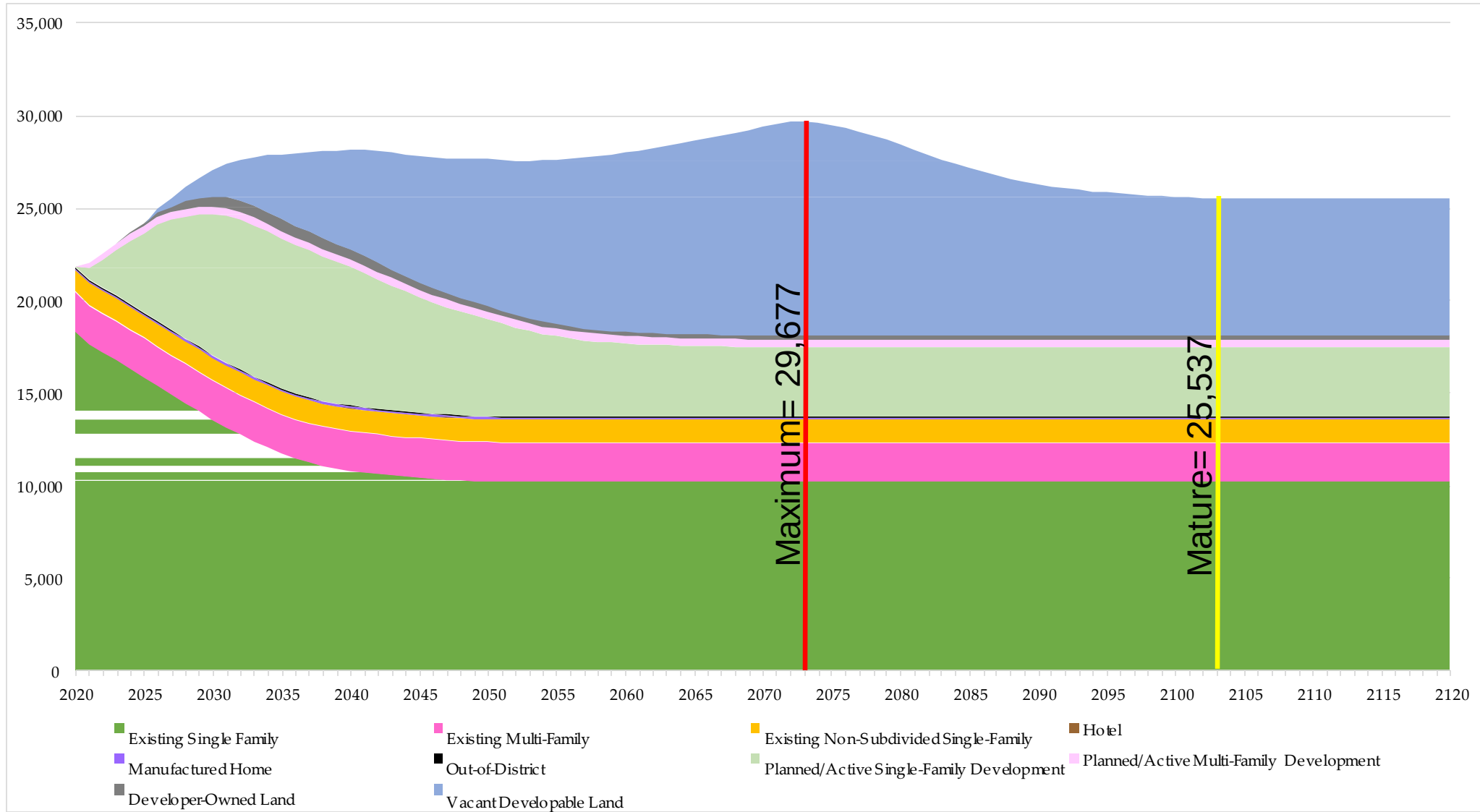
550 UNITS/YEAR



450 UNITS/YEAR



350 UNITS/YEAR



SUMMARY

550 Units/Year

- Maximum = 2055, 32,688 students
- Mature = 2086, 25,537

450 Units/Year

- Maximum = 2062, 31,030 students
- Mature = 2092, 25,537

350 Units/Year

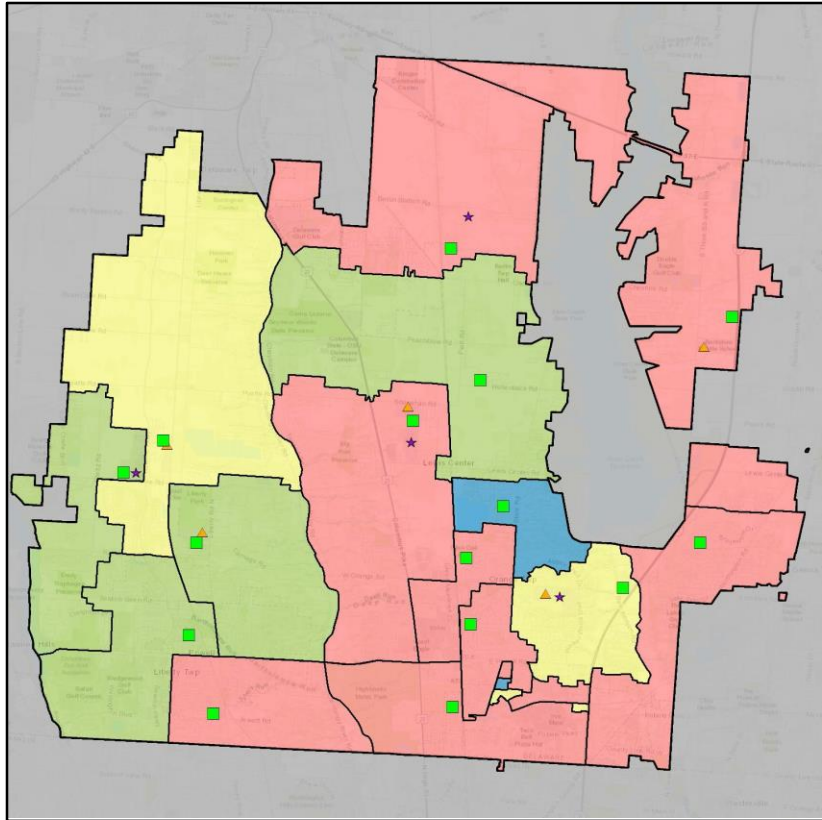
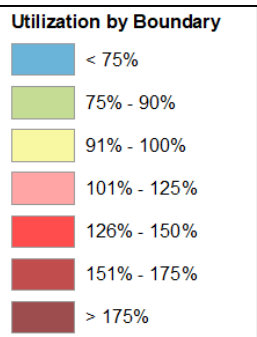
- Maximum = 2073, 29,677 students
- Mature = 2103, 25,537

STUDENT POTENTIAL

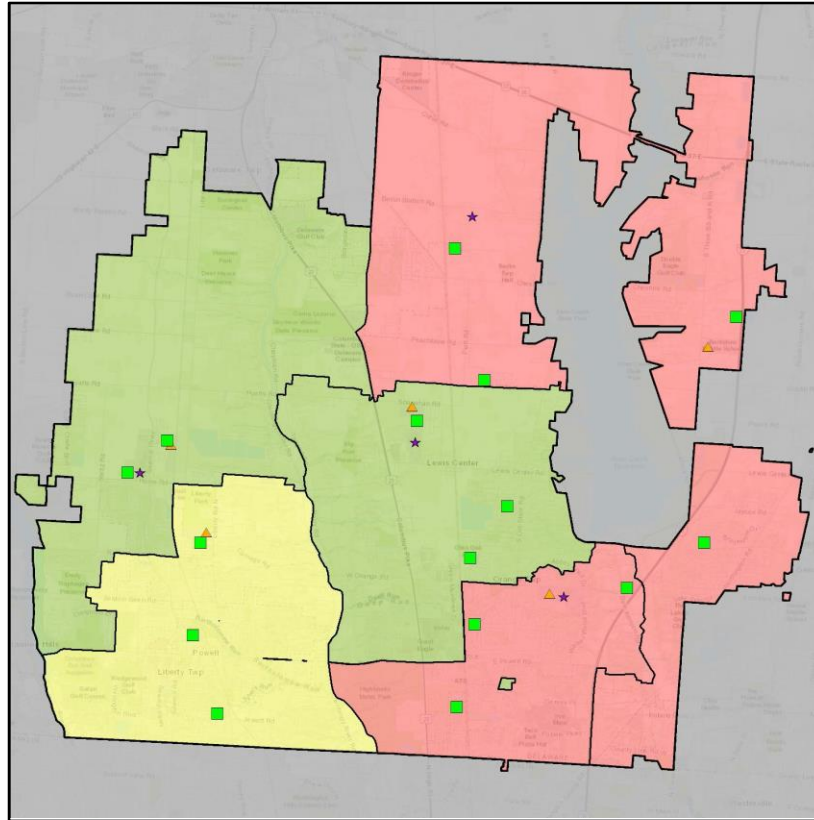
BY CURRENT BOUNDARIES



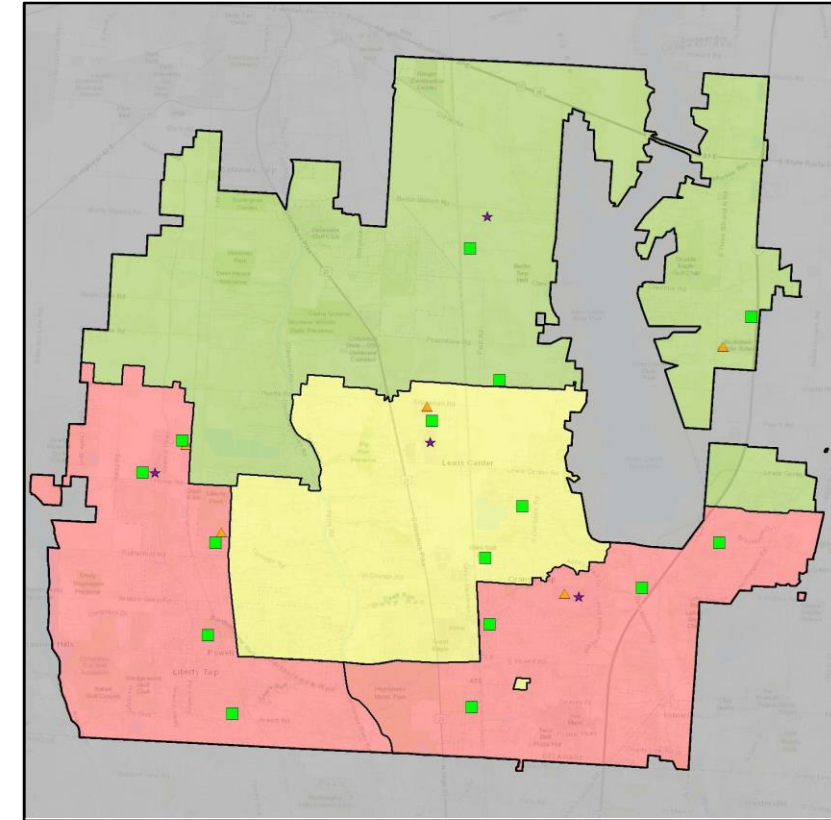
CURRENT



ELEMENTARY

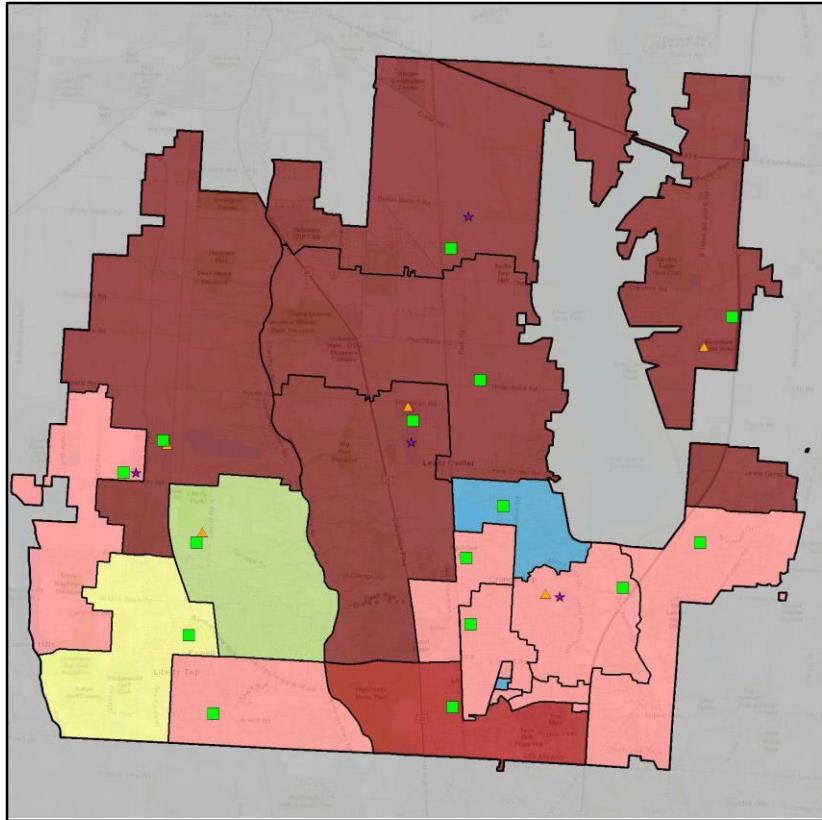
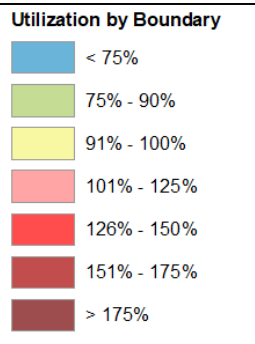


MIDDLE

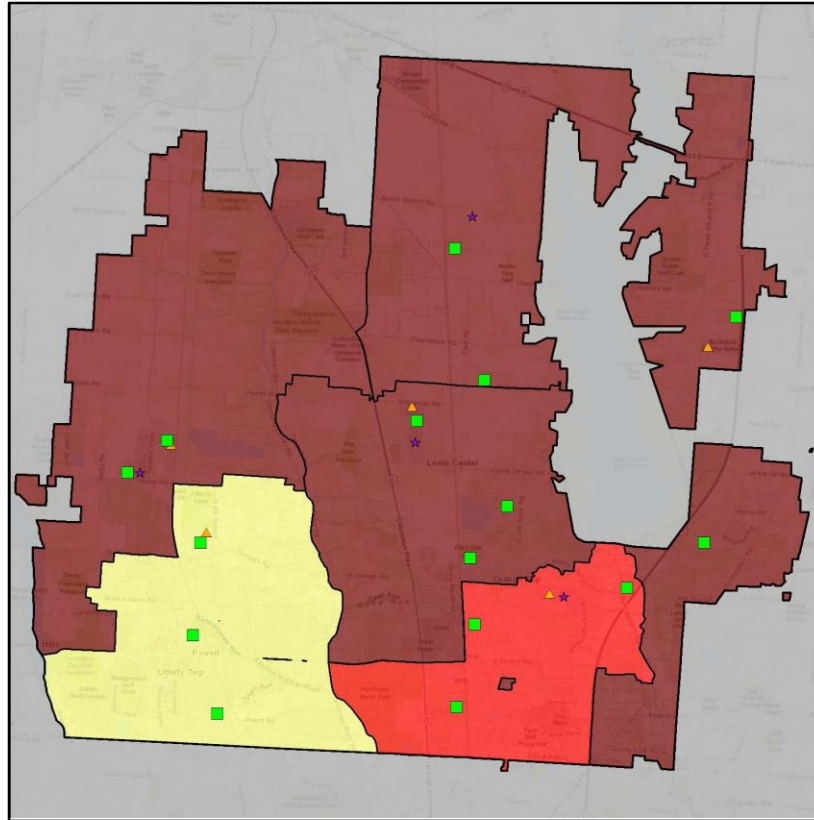


HIGH

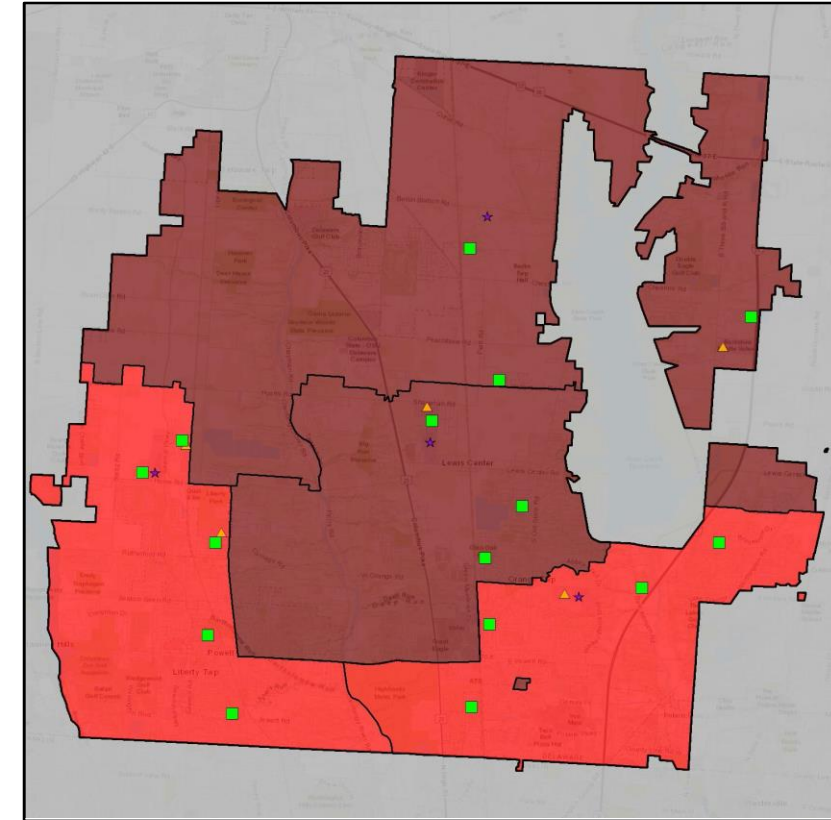
550 UNITS/YEAR | MAXIMUM



ELEMENTARY



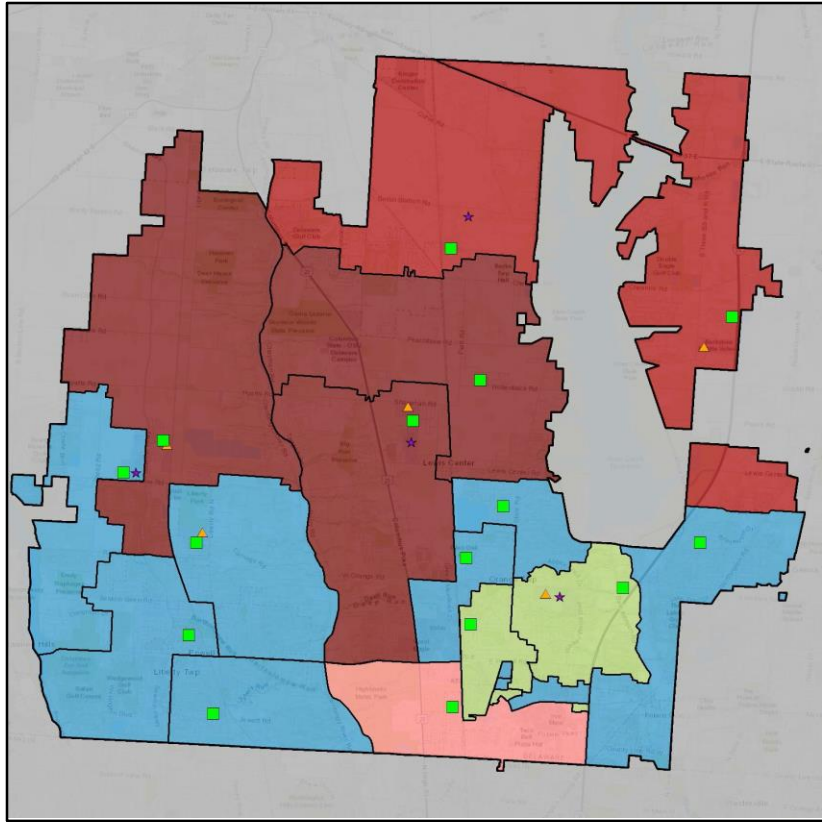
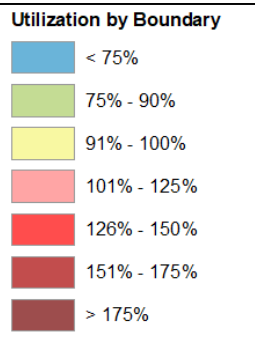
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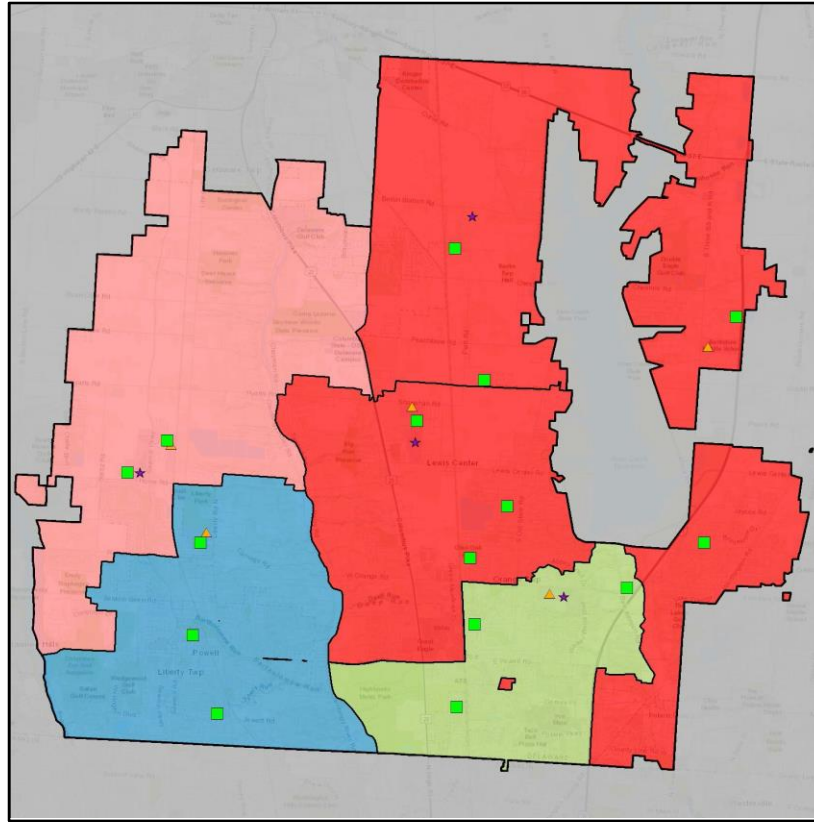
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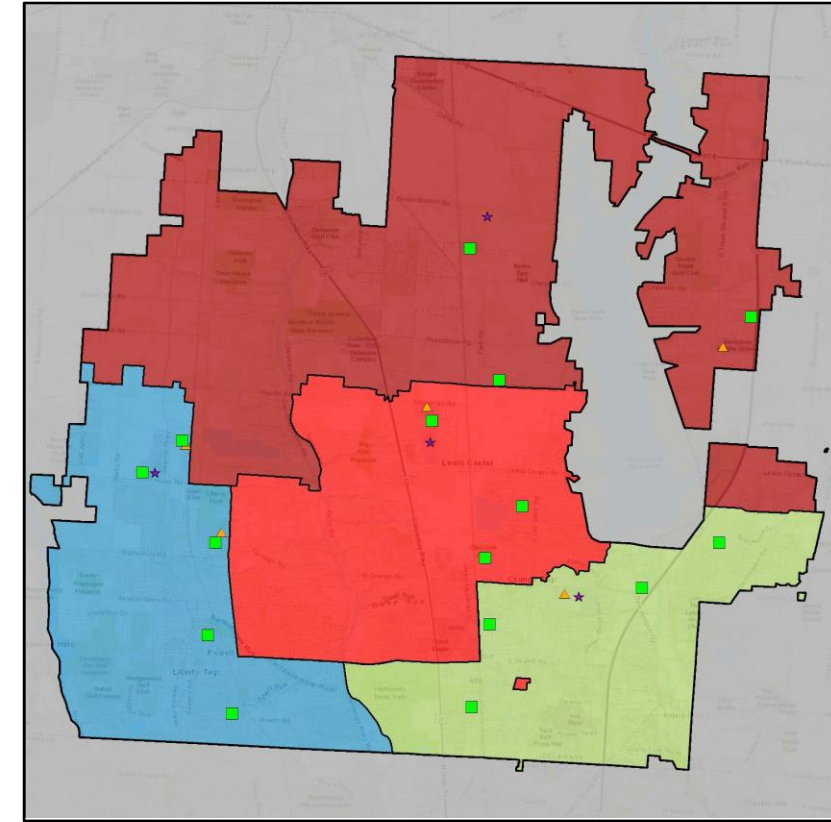
550 UNITS/YEAR | MATURE



ELEMENTARY



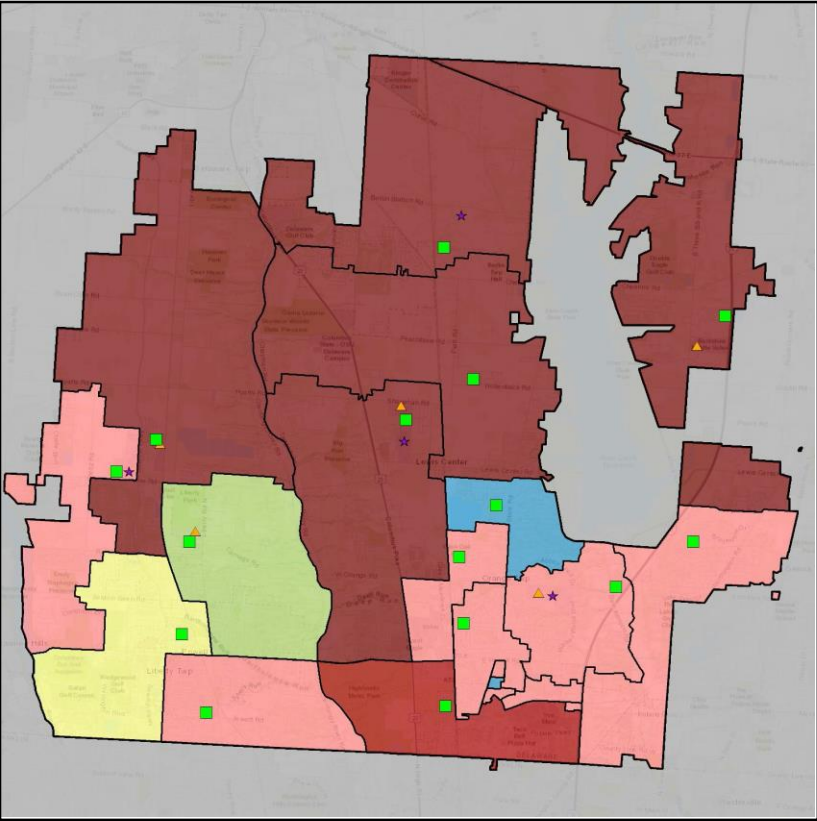
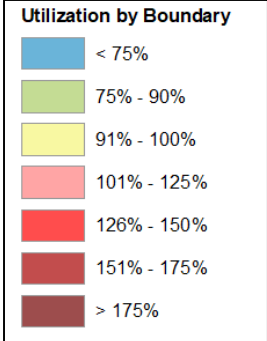
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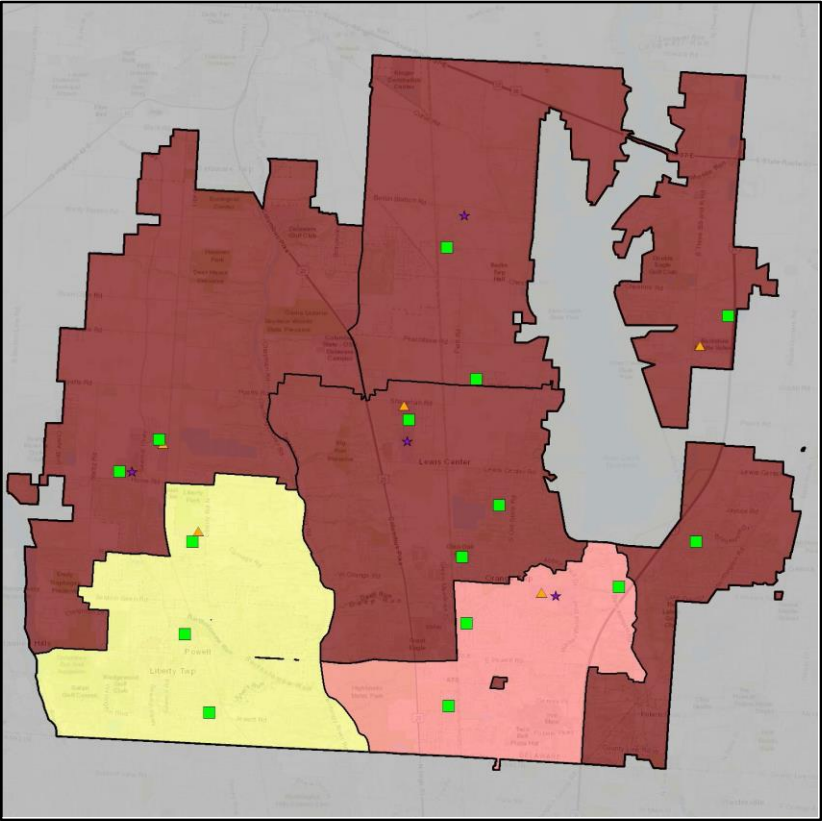
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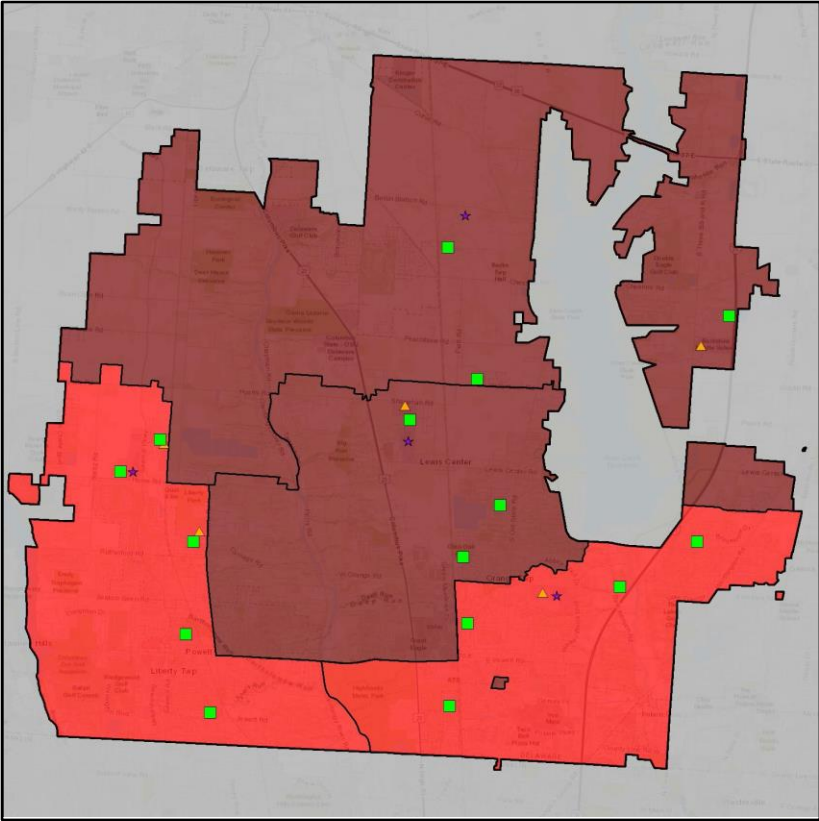
450 UNITS/YEAR | MAXIMUM



ELEMENTARY

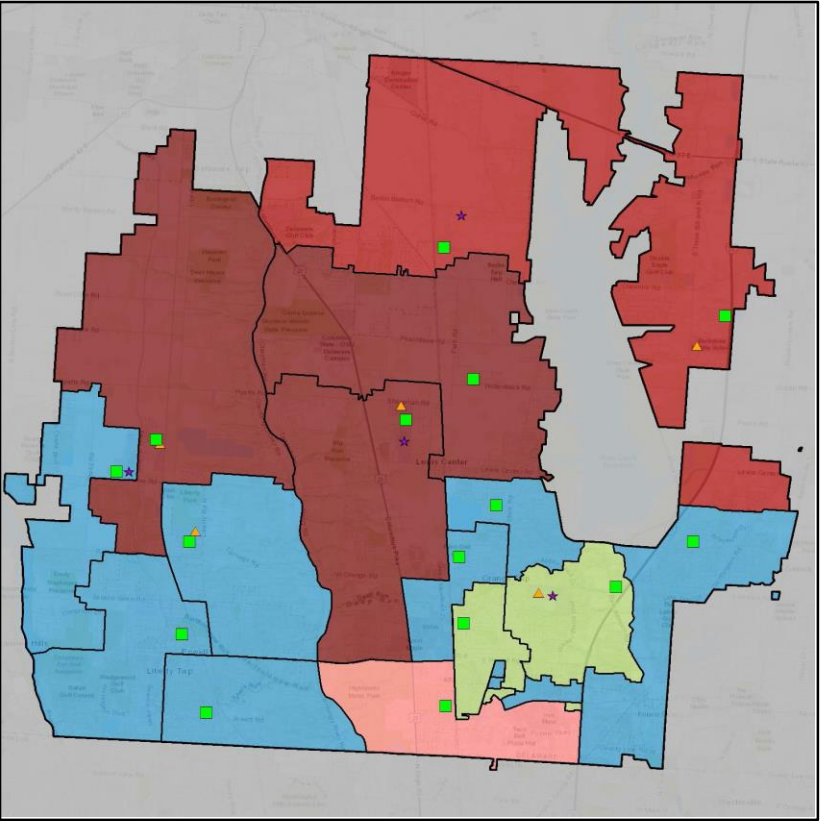
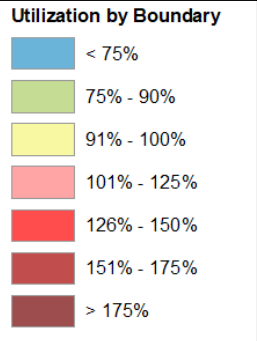


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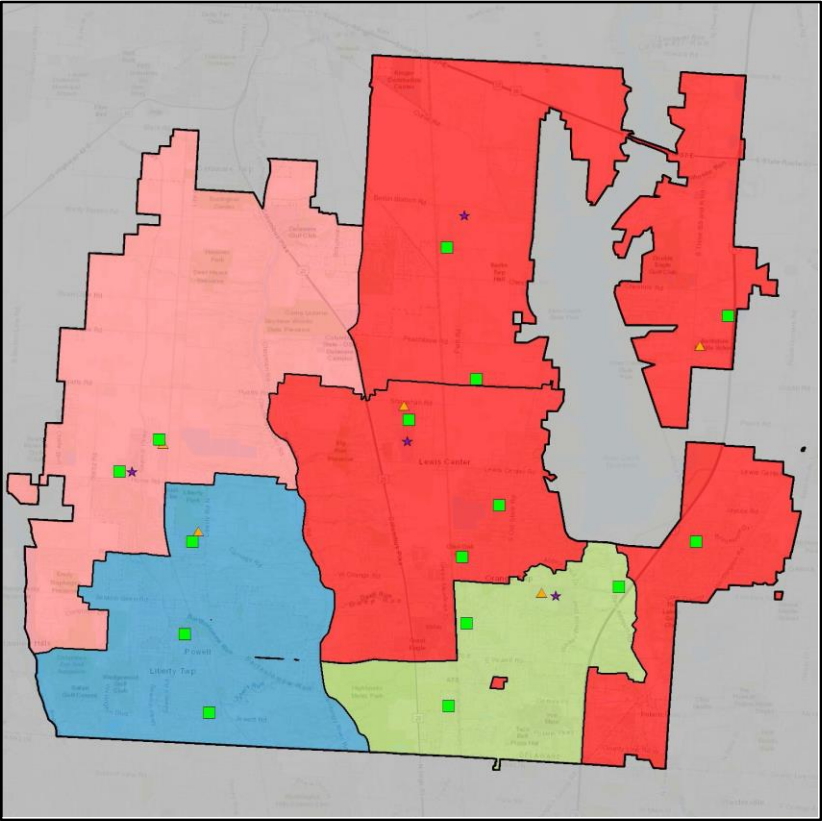


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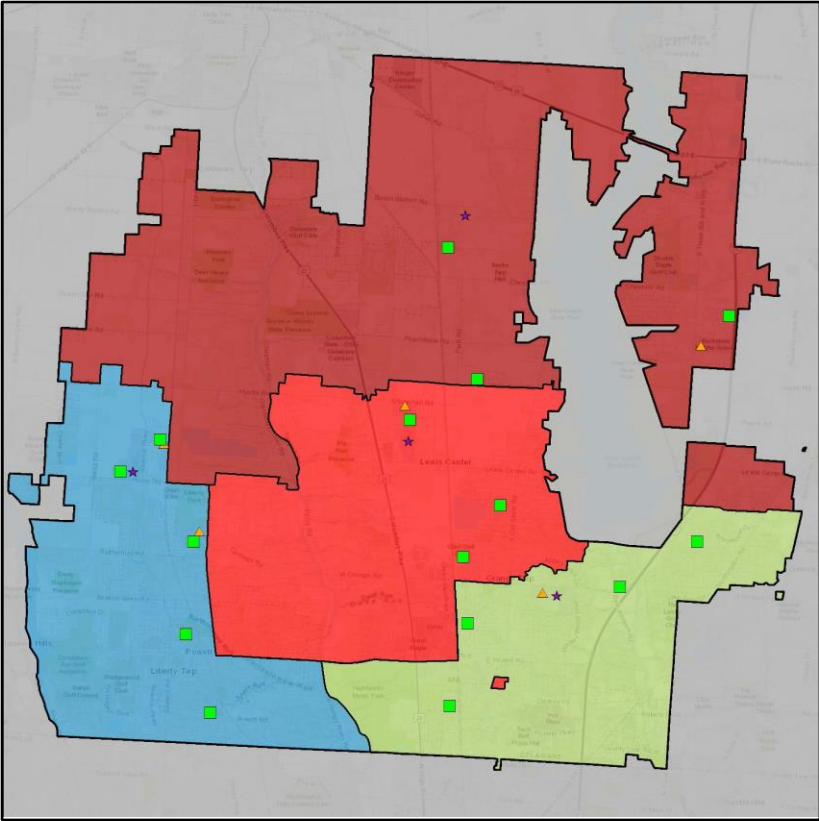
450 UNITS/YEAR | MATURE



ELEMENTARY

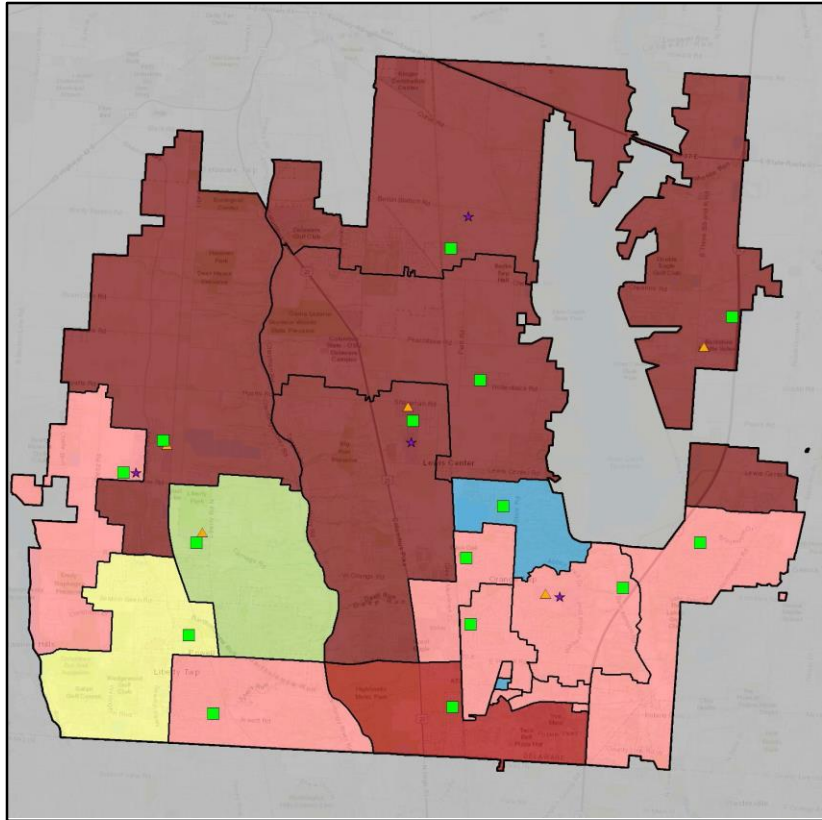
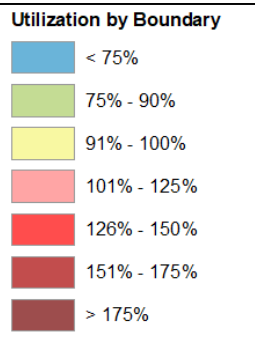


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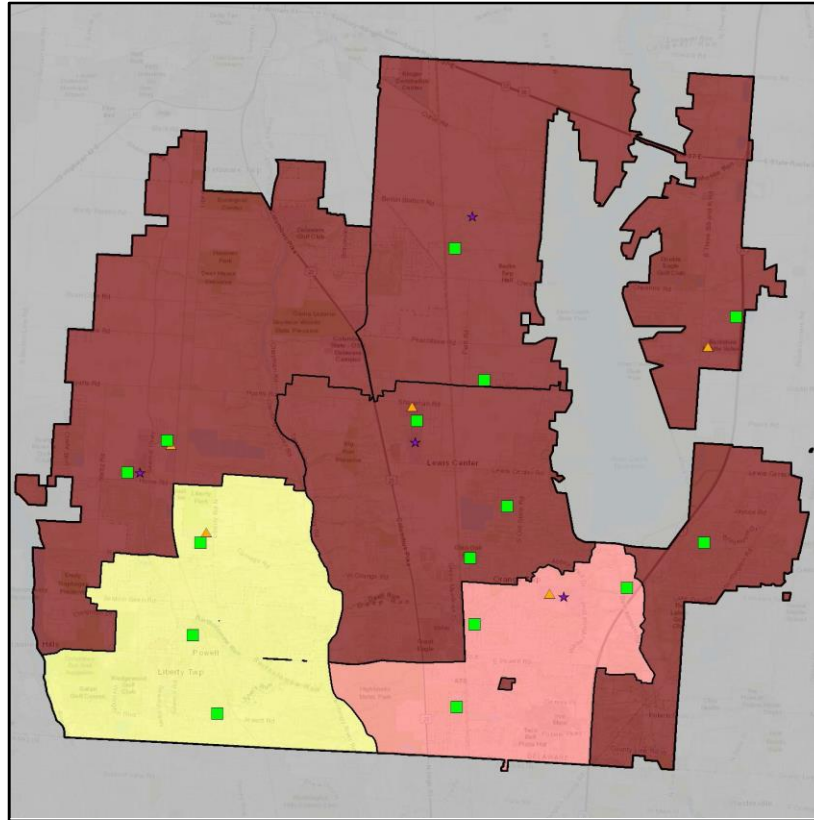


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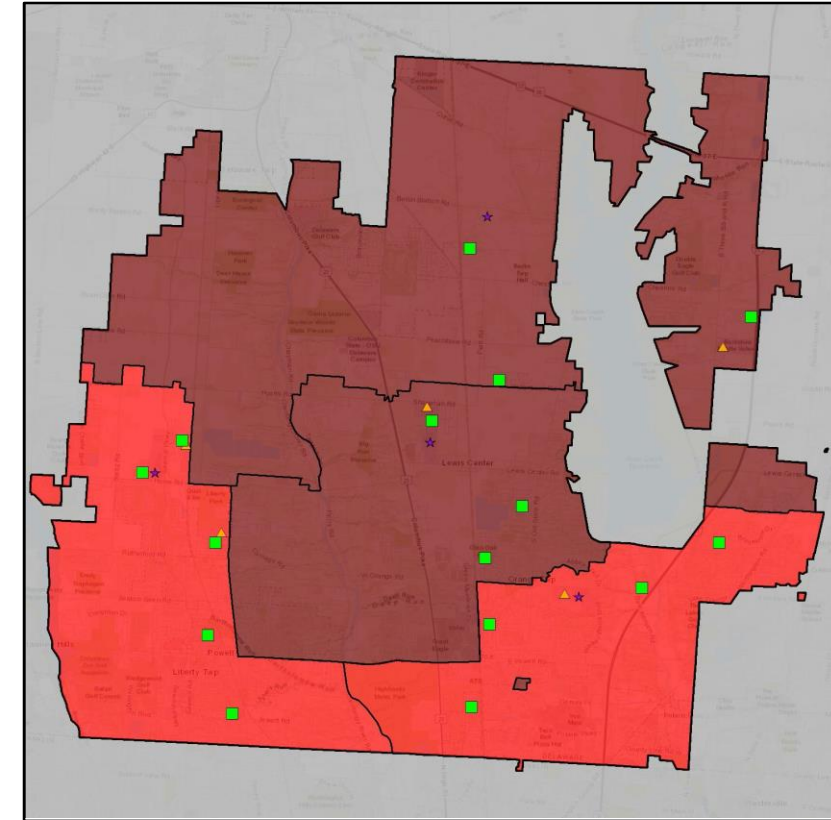
350 UNITS/YEAR | MAXIMUM



ELEMENTARY

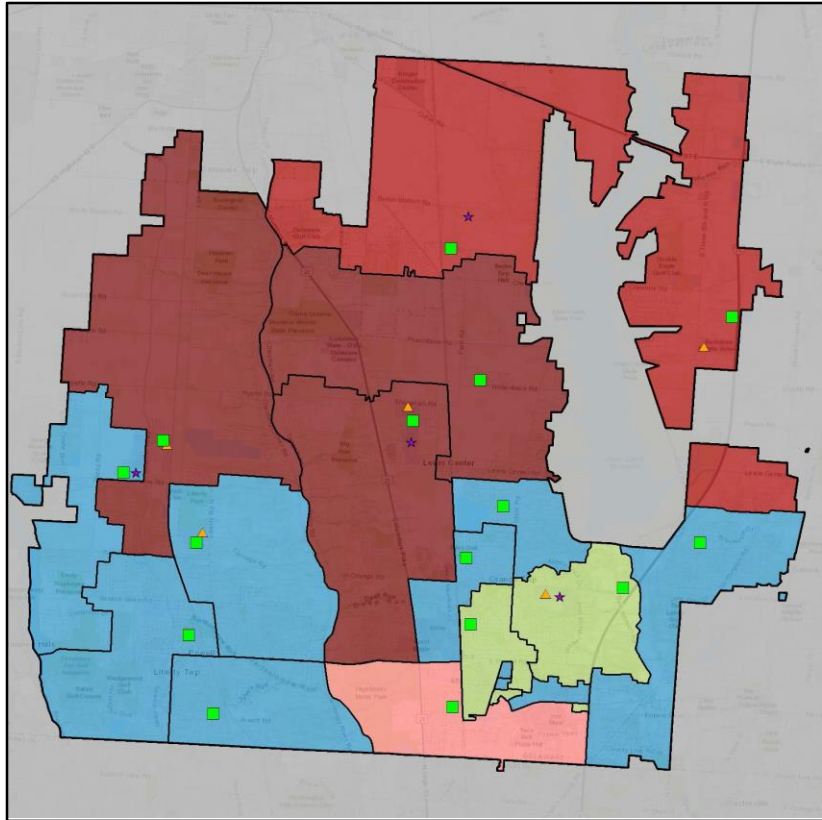
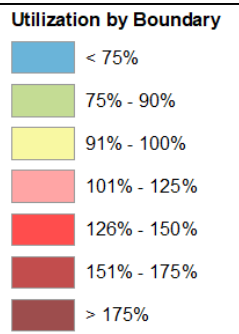


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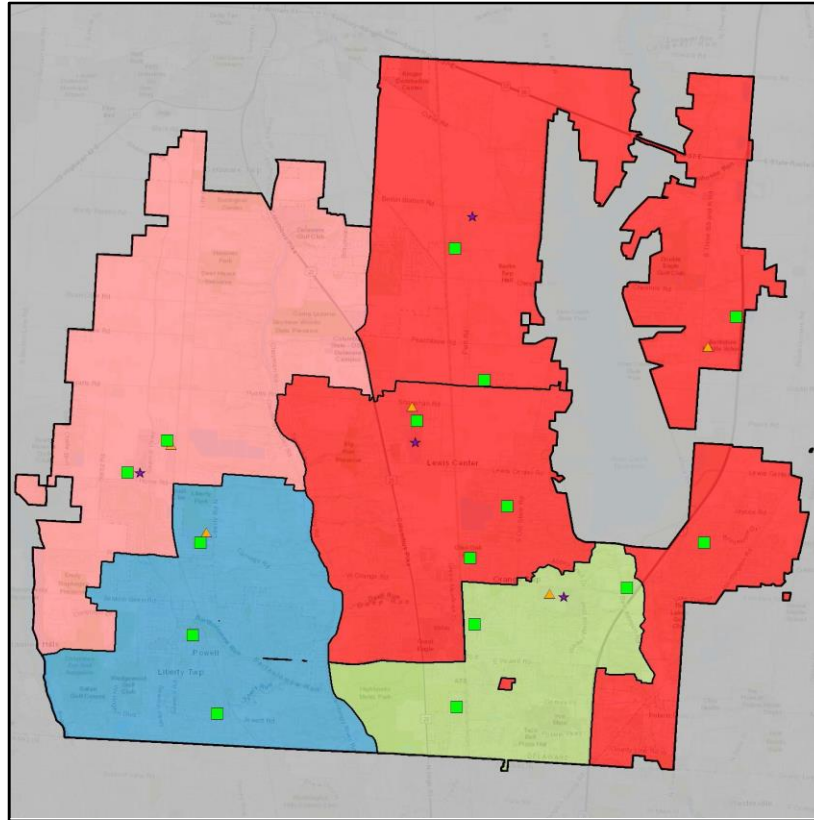


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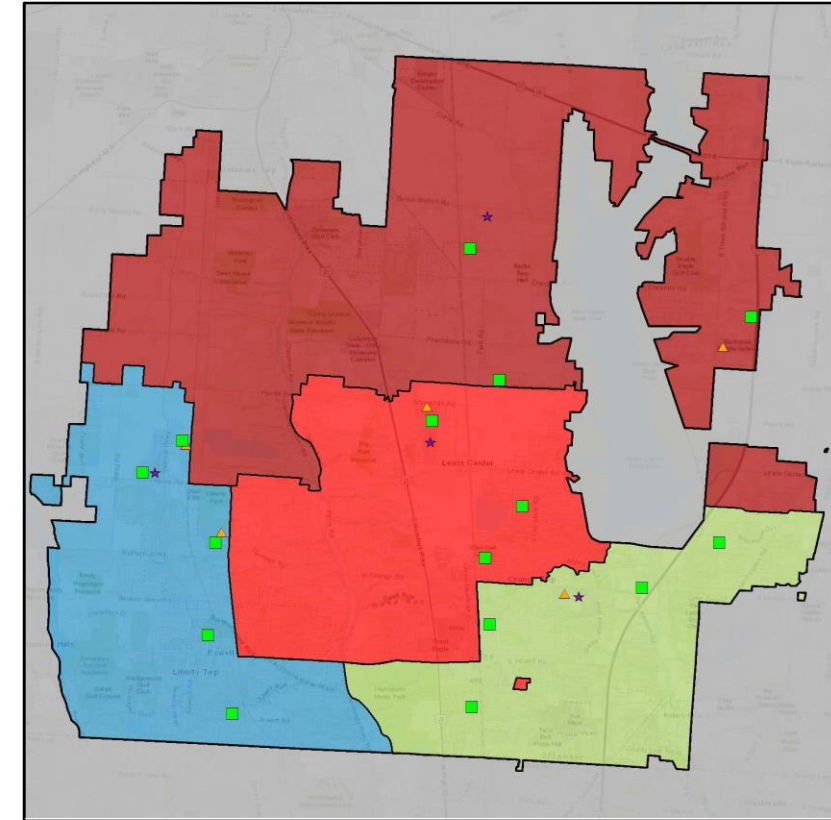
350 UNITS/YEAR | MATURE



ELEMENTARY



MIDDLE



HIGH

CONCLUSION

- Olentangy Schools is currently experiencing and will continue to experience housing growth.
- Housing development should be monitored.
 - Northern portion of District has greatest potential for growth- North of Hyatts/Shanahan Roads.
 - Enrollment has begun to stabilize in South.



COMMITTED DISTANCE LEARNING PROGRAM UPDATE

Dr. Jack Fette

Chief Academic Officer



OLENTANGY SCHOOLSSM
Flourish Here.

OVERVIEW

- Semester movement
- CDL Satisfaction Survey
- Future opportunity for virtual school



SEMESTER TRANSFERS OUT OF CDL

- Originally CDL was a year-long commitment.
- 5,300 students committed to CDL.
- Changed to a semester commitment during summer enrollment.
- 315 Students have elected to return to their schools.
- We are not accommodating transfers into CDL at the semester because of staffing limitations and class sizes.



HOW WOULD YOU RATE YOUR EXPERIENCE?

We asked parents how they would rate the First Semester CDL experience in the following areas?

- 4,019 CDL students' parents responded.

Area	0 to 5 Scale
Student Learning	4.01
Student Sense of Belonging	3.7
Teacher-to-Parent Communication	4.24
District to Parent Communication	4.2
Overall CDL Experience	4.07



We are curious about your long-term interest
in a virtual learning option in Olentangy.
Imagine our world beyond the current
pandemic.

How likely would you be to enroll your child in
a full-time virtual school in Olentangy at each
of the following grade spans?



INTEREST IN A PERMANENT VIRTUAL WORLD

LONG-TERM INTEREST

Grade Span	Somewhat Likely	Extremely Likely	Total Interest
Elementary School	889	425	1314
Middle School	859	341	900
High School	865	392	1257

POTENTIAL UNIQUE ENROLLMENTS NEXT YEAR

Grade Span	Somewhat Likely	Extremely Likely
Elementary School (Grades 3-5)	377	160
Middle School	325	129
High School	269	136



COMPARISONS BETWEEN CDL AND OASIS

COMMITTED DISTANCE LEARNING/ PERMANENT VIRTUAL SCHOOL

- Elementary, Middle, and High
- Teacher-generated curriculum
- 100% virtual
- Strong school community environment
- No enrollment in the "home" school

OASIS

- Secondary students only
- Intimate atmosphere (<200 students)
- Computer-based, self-paced curriculum
- In-person component
- Enrollment in courses at the "home" school

VIRTUAL SCHOOL COST MODELS

500 STUDENTS

- 50 students per grade, 3-12
- 33 Certified Staff
- Certified to Student Ratio = 15.15:1
- Certified Staffing Cost = \$2.48M
- Potential Savings
 - \$800,000 currently to virtual charters
 - \$825,000 in absorbed staff

1,400 STUDENTS

- 400-500 students per level
- 90 Certified Staff
- Certified to Student Ratio = 15.55:1
- Certified Staffing Cost = \$6.75M
- Potential Savings
 - \$800,000 currently to virtual charters
 - \$2.25M in absorbed staff



FEEDBACK FROM OTHER DISTRICTS

Adding / Expanding Virtual School	Undecided / Exploring	Not Adding / Expanding Virtual School
Dublin Hilliard Lakota Mason Mentor Pickerington Strongsville	Big Walnut Delaware Westerville	New Albany





OLENTANGY SCHOOLSSM

THANK YOU