



Planning for the Future

Huron School District
Enrollment Analysis
August 2023



RSP & Associates

RSP Quick Facts:

Founded in 2003

Professional educational planning firm

Expertise in multiple disciplines (GIS, Planning, Facilitation)

Over 20 years of planning experience

Over 80 years of education experience

Over 20 years of GIS experience

Projection accuracy of 97% or greater

RSP Clients:

RSP was started with the desire and commitment to assist school districts in long-range planning.

RSP has served over **130** clients in:

Arkansas

Colorado

Iowa

Illinois

Kansas

Minnesota

Missouri

Nebraska

North Dakota

Oklahoma

South Dakota

Tennessee

Wisconsin

RSP Planning Team:

Robert Schwarz, CEO

Military, County, City, and School District Planner

University of Kansas – Master of Urban Planning (MUP)

American Institute of Certified Planners (AICP)

Certified Educational Facility Planner (CEFP)

Ginna Wallace, Planner

University of Kansas – Master of Urban Planning (MUP)

American Institute of Certified Planners (AICP)

RSP Recent Projects:

Douglas School District (South Dakota)

- Enrollment Analysis, 2022/23

Devils Lake School District (North Dakota)

- Enrollment Analysis, 2021/22

Fargo Public Schools (North Dakota)

- Enrollment Analysis, 2022/23
- Demographic Analysis, 2022/23

Expectations

Thank you to Huron School District, Beadle County, City of Huron, Census Bureau, and ESRI for assisting in this analysis!

Timeline – Project timeline is a result of ensuring student data could represent as close as possible to the Official County Data with attributes that would allow RSP to forecast enrollment at a parcel level geography.

Findings – The findings were not focused on supporting or contradicting any past internal or outsourced studies. This analysis is based on data, data, and more data.

Study – This study factored in many different data sets to provide data driven analysis that is the foundation to the RSP Statistical Forecast Model (SFM).

Change – Enrollment change in the community is influenced by, but not limited to, the birth rate, demographics, types of development and/or housing affordability.

Facts:

- 1) The study does not provide specific information about which site would be best suited for a new facility or for that matter should the district build any new facility – this analysis is one portion of how to make that decision
- 2) This analysis is based on the same grade configuration and educational programming expectations the patrons have for each student
- 3) Projecting enrollment is not a science – like life in general some assumptions happen that may lead to greater enrollment while others toward a smaller enrollment
- 4) Student data does not include Preschool, virtual, or 18-21 special education population. Enrollment best aligns with district Official Count Day data. Presented enrollment may vary from state reported enrollment (KSDE).

The goal of this study is to help the board, administration, and public understand how to make the best decision for the students at the classroom level.

Discussion Points

Part 1:

Enrollment & Demographics

Things to Consider

Student Analysis

Maps & Data

Sophisticated
Forecast Model

Demographics

Past Enrollment &
Changes

Part 2:

Development & Growth Trends

Correlation Trends

Yield Rate

Maps & Data

Potential Growth
Analysis

Part 3:

Projections

Past, Current, &
Future Enrollment

Building Level
Projections

Grade Level
Projections

Part 4:

Next Steps

Future Facility Plan

Moving Forward

Next Steps

Key Considerations

Appendix

Community
Demographics

Intra-Transfers

Student Density
Maps

Detailed Growth
Areas Maps

Definitions

HELPFUL HINTS TO READ THE REPORT:



Slides that have the flagged star symbol are SIGNATURE SLIDES



PLUS: indicator of student growth



MINUS: indicator of student loss



Click the APPENDIX symbol on a page to reference additional analysis



Past Enrollment and Demographics

Things to Consider

Student Analysis Maps & Data

Sophisticated Forecast Model

Demographics

Past Enrollment & Change

1,000 Foot Perspective

Enrollment

District enrollment to increase by 95 students by 2027/28

- **Elementary enrollment to decrease by about 19 students by 2027/28**
- **Middle school enrollment to increase by about 4 students by 2027/28**
- **High school enrollment to increase by about 110 students by 2027/28**

Capacity Challenges

Building capacity was provided by the district and analyzed in regard to projected enrollment. Capacity challenges are forecasted to be experienced in the next five years at:

- Huron High School in 2026/27 and 2027/28
- Enrollment in the district is expected to increase at the high school level but decrease at elementary schools
- District enrollment is forecasted to peak in 2025/26 with 3,008 students

Development

Development outlook is minimal as current residential projects continue to finish out

- In 2023, 7 single-family and 6 multi-family units were built – over 100 potential units were identified for development
- Timing of infrastructure projects, floodplain, and supply chain challenges are limitations to the speed of residential projects – RSP recommends monitoring these factors closely

District Boundary

Sophisticated Forecast Model Methodology

Built-Out $S_{c, t, x} = S_{c-1, t-1, x} * GC$

Let:

S = The number of students, either an actual count or a projected count
 x = A subscript denoting an attendance area in the School District
 c = Grade level
 t = Time (years)
 GC = Growth component either modeling enrollment increase or decrease based on historical information, expressed as a real number

Developing $S_{c, t, x} = S_{c-1, t-1, x} + (BP_{t, x} * R_{c, x})$

Where: $BP_{t, x} = \left(\frac{(CP_x)(BT_x)(A_x)}{\sum_x (CP_x)(BT_x)(A_x)} \right) * CT$

Let:

S = The number of students, either an actual count or a projected count
 x = A subscript denoting an attendance area in School District
 c = Grade level
 t = Time (years)
 BP = Building permit forecast as given by the Building Permit Allocation Model (BPAM) model
 R_{c, x} = Student Enrollment ratio of cohort c in planning area x
 CP = Capacity of a planning area as expressed by available housing units
 BT = Building history trend of planning area
 A = An index which models the likelihood of development
 CT = Building permit control total forecast

This is the **central focus** of everything RSP does.

The model is based on what is happening in a school district. The best data is statistically analyzed to provide an accurate enrollment forecast. The District will be able to use RSP's report and maps to better understand demographic trends, school utilization, and the timing of construction projects.

The SFM is...

- a social science... not an exact science; it identifies behavior trends to determine the propensity of them to be recreated
- valuable in how our team created and analyzes the geography at a planning area level for any commonality which while help produce an accurate forecast

Some variables examined for each planning area (but not limited to) are...

- natural cohort (district data)
- planning area subdivision lifecycle (a RSP variable)
- the value of homes (county assessor data)
- type of residential units like single-family, multi-family, townhome, mobile home, etc. (county assessor data)
- year units were built
- estimated female population (census data)
- estimated 0-4 population (census data)
- existing land use (county and city data)
- future land use (county and city data)
- capital improvement plan (county and city data)
- future development (county and city data)
- in-migration of students (district data) & out-migration of students (district data)

Beadle County Birth Rate Information

Beadle County, SD and Huron Kindergarteners 5 Years Later

Calendar Year	# Live Births	Birth Change	% Birth Change	School Year	# Kdg	%Kdg of Live Births
2008	277			2013/14	227	81.9%
2009	268	-9	-3.2%	2014/15	227	84.7%
2010	274	6	2.2%	2015/16	241	88.0%
2011	294	20	7.3%	2016/17	256	87.1%
2012	327	33	11.2%	2017/18	250	76.5%
2013	337	10	3.1%	2018/19	232	68.8%
2014	366	29	8.6%	2019/20	239	65.3%
2015	297	-69	-18.9%	2020/21	218	73.4%
2016	347	50	16.8%	2021/22	249	71.8%
2017	273	-74	-21.3%	2022/23	239	87.5%
2018	284	11	4.0%	2023/24	185	250
2019	284	0	0.0%	2024/25	185	250
2020	280	-4	-1.4%	2025/26	183	246
2021	256	-24	-8.6%	2026/27	167	225
3-Year Avg	273.3	-9.3				
3-Year W. Avg	268.7	-13.3				

Source: South Dakota Department of Health and Huron School District.
Includes all Kindergarteners within Beadle County's boundary.

Low Range
High Range

Live Birth Observations

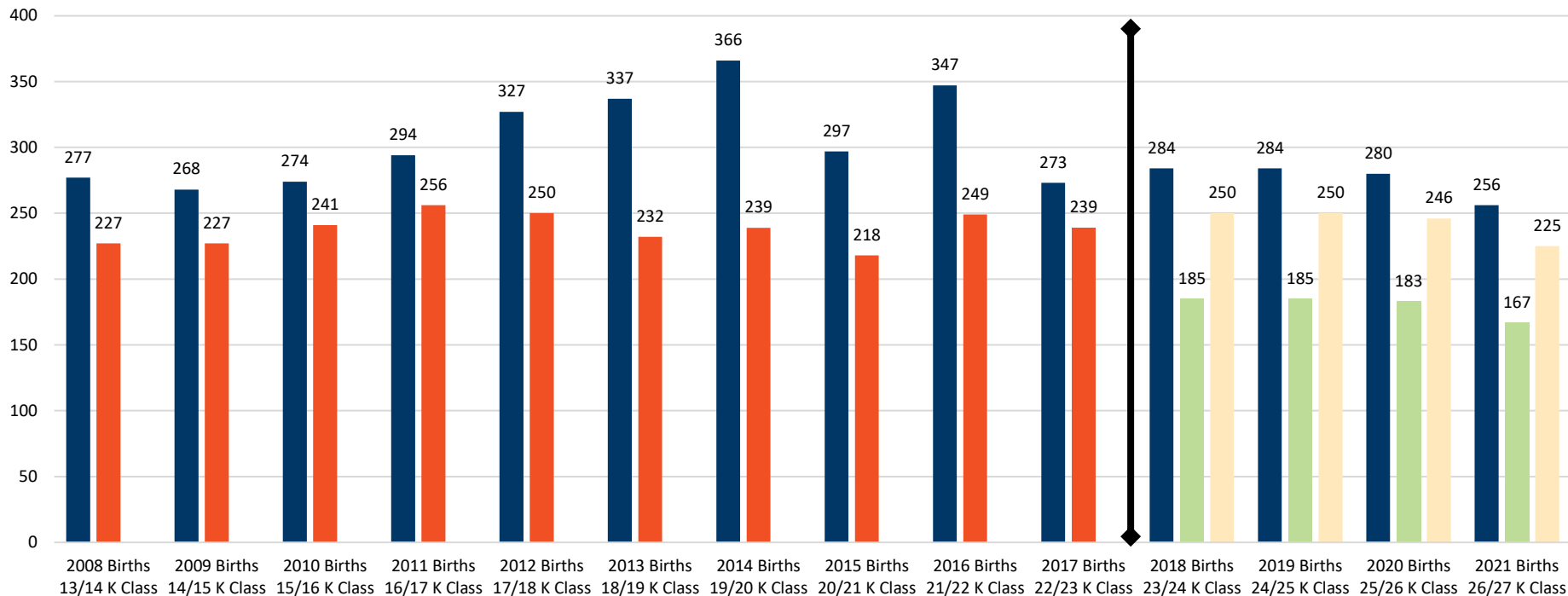
- Tracks the number of Beadle County live births and the corresponding number of kindergarten students five years later
- The number of live births have been slowly decreasing. This is consistent with national and state trends.
- 3-year average of 9 less live births per year; the county has not been over 300 births per year since 2016
- Huron enrolls around 65 to 85% of county live births in kindergarten five years later
- Kindergarten enrollment has varied between 218 to 256 students per year
- There is a correlation of when live births per year are greater than 320, kindergarten classes five years later are greater
- The kindergarten classes moving forward are forecasted to be between 167 students on the low end and 250 students on the high end

Main Takeaway: As live births peaked in 2012-2014, kindergarten classes continued to decrease. The decline of live births in the county can potentially result in smaller kindergarten classes. It is likely kindergarten classes will not be over 250 students over the next five years unless live birth trends change.

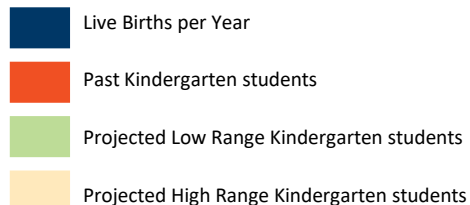
Birth Rate Information



Beadle County Live Births and Kindergarten Classes



Source: South Dakota Department of Health and Huron School District



Live Birth Observations

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Past Enrollment by Grade

SOUTH DAKOTA SCHOOL DISTRICT - Dept of Education

Enrollment By Grade

Year	PK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	PK-12		
															Total	Change	% Change
2012/13	19	195	184	168	149	160	176	157	163	173	191	171	163	167	2,236		
2013/14	26	220	170	176	154	140	169	183	167	159	174	201	149	147	2,235	-1	0.0%
2014/15	31	206	210	173	175	164	148	182	189	169	179	192	172	146	2,336	101	4.5%
2015/16	31	230	204	203	162	175	168	151	181	195	178	202	165	157	2,402	66	2.8%
2016/17	24	239	228	192	200	181	186	176	157	178	202	220	162	134	2,479	77	3.2%
2017/18	39	233	233	231	199	208	185	187	175	161	224	193	162	135	2,565	86	3.5%
2018/19	35	223	227	232	226	207	201	181	188	187	208	183	165	146	2,609	44	1.7%
2019/20	37	234	226	236	240	237	205	220	190	214	246	174	171	149	2,779	170	6.5%
2020/21	33	213	230	213	232	227	234	209	211	203	265	187	143	145	2,745	-34	-1.2%
2021/22	42	234	200	236	204	228	224	252	225	213	227	195	198	149	2,827	82	3.0%
2022/23	41	228	233	200	236	205	221	235	243	215	237	237	184	175	2,890	63	2.2%

Source: Huron School District, South Dakota Department of Education, and RSP

Observations:

- Largest K-12 class in 2022/23 – 7th grade with 243 students
- Smallest K-12 class in 2022/23 – 12th grade with 175 students
- Graduating senior class is smaller than the incoming Kindergarten class which will increase total enrollment
- Largest historical increase was from 2018/19 to 2019/20 with increase of 6.5%
- Largest total enrollment since 2012/13 is 2022/23
- 2022/23 has the largest grades since 2012/13 in: 7th grade, 8th grade, 10th grade, and 12th grade

Cohort Student Change

Enrollment Grade Change

From	To	PK	PK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	PK-12	
		PK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Change	% Change
2012/13	2013/14	7	201	-25	-8	-14	-9	9	7	10	-4	1	10	-22	-16	-1	0.0%
2013/14	2014/15	5	180	-10	3	-1	10	8	13	6	2	20	18	-29	-3	101	4.5%
2014/15	2015/16	0	199	-2	-7	-11	0	4	3	-1	6	9	23	-27	-15	66	2.8%
2015/16	2016/17	-7	208	-2	-12	-3	19	11	8	6	-3	7	42	-40	-31	77	3.2%
2016/17	2017/18	15	209	-6	3	7	8	4	1	-1	4	46	-9	-58	-27	86	3.5%
2017/18	2018/19	-4	184	-6	-1	-5	8	-7	-4	1	12	47	-41	-28	-16	44	1.7%
2018/19	2019/20	2	199	3	9	8	11	-2	19	9	26	59	-34	-12	-16	170	6.5%
2019/20	2020/21	-4	176	-4	-13	-4	-13	-3	4	-9	13	51	-59	-31	-26	-34	-1.2%
2020/21	2021/22	9	201	-13	6	-9	-4	-3	18	16	2	24	-70	11	6	82	3.0%
2021/22	2022/23	-1	186	-1	0	0	1	-7	11	-9	-10	24	10	-11	-23	63	2.2%
3-Year Average		1.3	187.7	-6.0	-2.3	-4.3	-5.3	-4.3	11.0	-0.7	1.7	33.0	-39.7	-10.3	-14.3	37.0	1.3%
3-Year Weighted Average		1.8	189.3	-5.5	-0.2	-3.7	-3.0	-5.0	12.2	-0.7	-2.2	28.5	-28.2	-7.0	-13.8	53.2	1.9%

Source: South Dakota Department of Education (2002/03 to 2022/23) and Huron Public Schools (2002/03 to 2022/23)

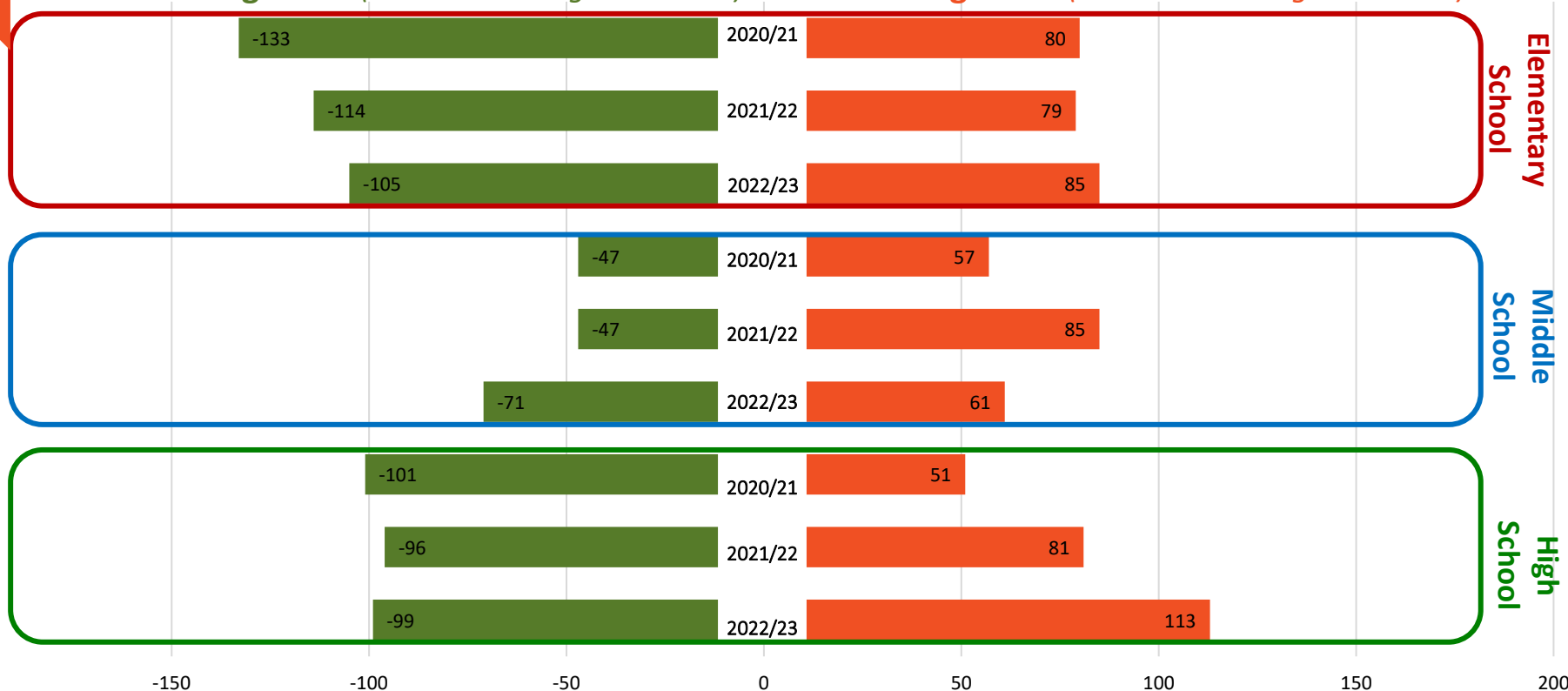
Observations:

- Largest 3-year average K-12 class cohort increase – 8th to 9th grade **(+33)**
- Largest 3-year average K-12 class cohort decrease – 9th to 10th grade **(-39.7)**
- 3-year average percent change from previous year of 1.3% - increase of 37 students
- Instructional Modality will have to be monitored to determine if the students who are not attending the district still reside in the district and if or how many return to receive services in the future years

3-Year Student Migration Trend

Out-Migration (students leaving the district)

In-Migration (students entering the district)



Source: Huron School District and RSP

Definition

Out-Migration: Shows number of students in grade K to 11th that were attending the District in 2021/22, but are not attending the District in 2022/23.

In-Migration: Shows number of students in grade 1st to 12th that are attending the District in 2022/23, but were not attending the District in 2021/22.

Observations

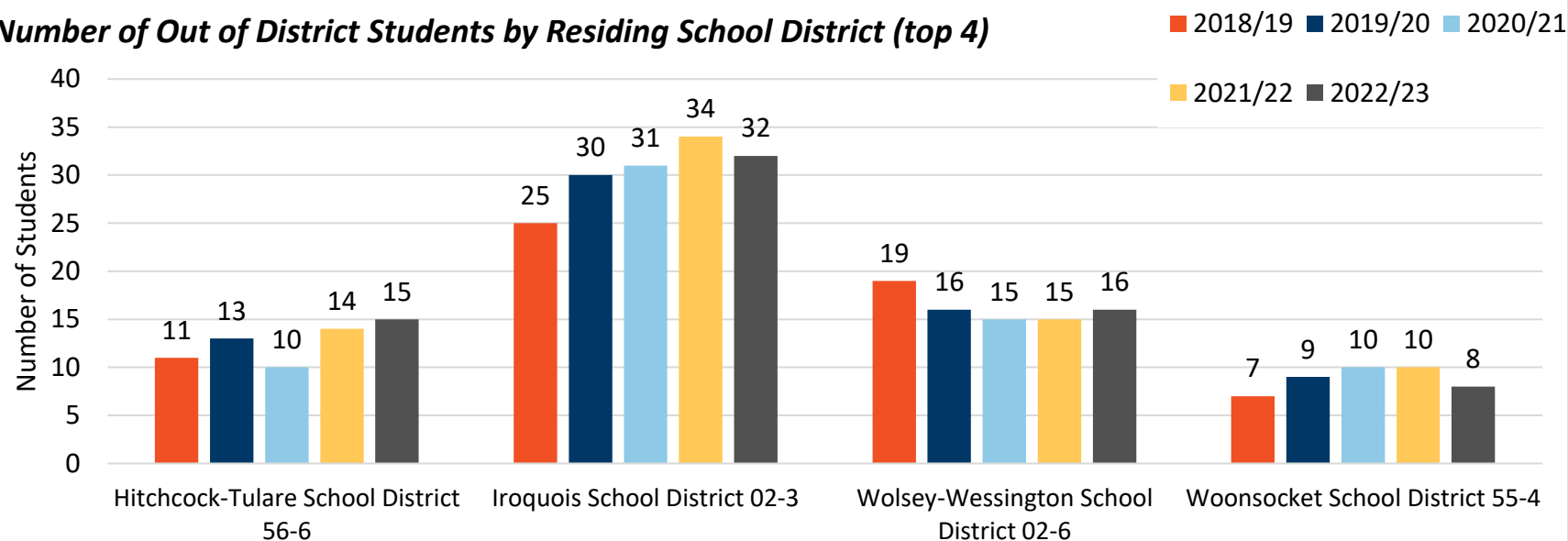
- 2020/21 lost 281 students and gained 188 students; **NET: -93**
- 2021/22 lost 257 students and gained 245 students; **NET: -12**
- 2022/23 lost 275 students and gained 259 students; **NET: -16**

Main Takeaway: The district had a negative net of transfer students in the last 3 years. The number of student migrating in and out of the district has increased resulting in a more transient student population.

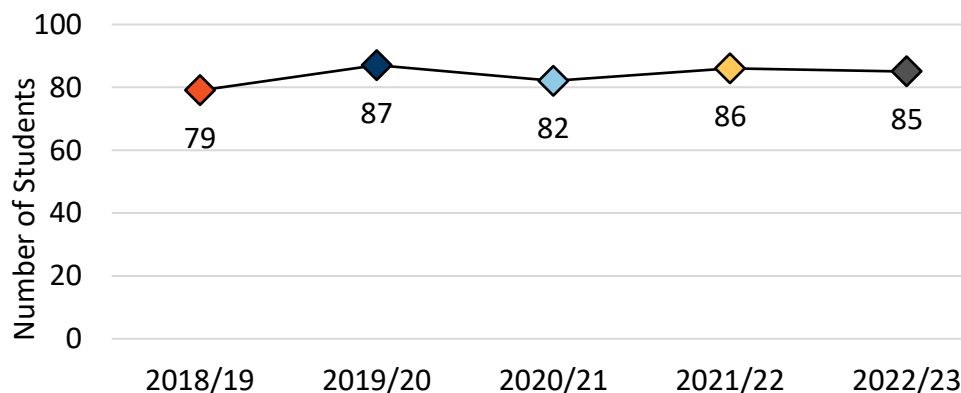
- Elementary student out-migration has decreased while in-migration has remained stable
- High school student out-migration has increased over the last three years

Out of District Student Analysis

Number of Out of District Students by Residing School District (top 4)



Total Out of District Students



Observations

- The district enrolls 79-87 students that reside out of the district per year
- Iroquois School District contributes the largest share of out of districts per year
- 85 total students (K-12) reside out of the district boundary this year

Main Takeaway: The district can control out of district enrollment which likely results in the stable out of district enrollment. If district policy changes, enrollment may fluctuate based on this variable.

Source: Huron School District and RSP

Student Count Change Map



Huron School District

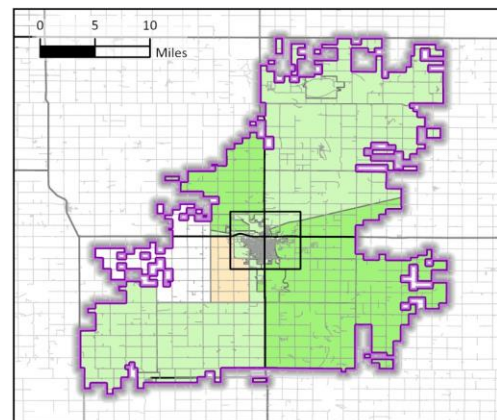
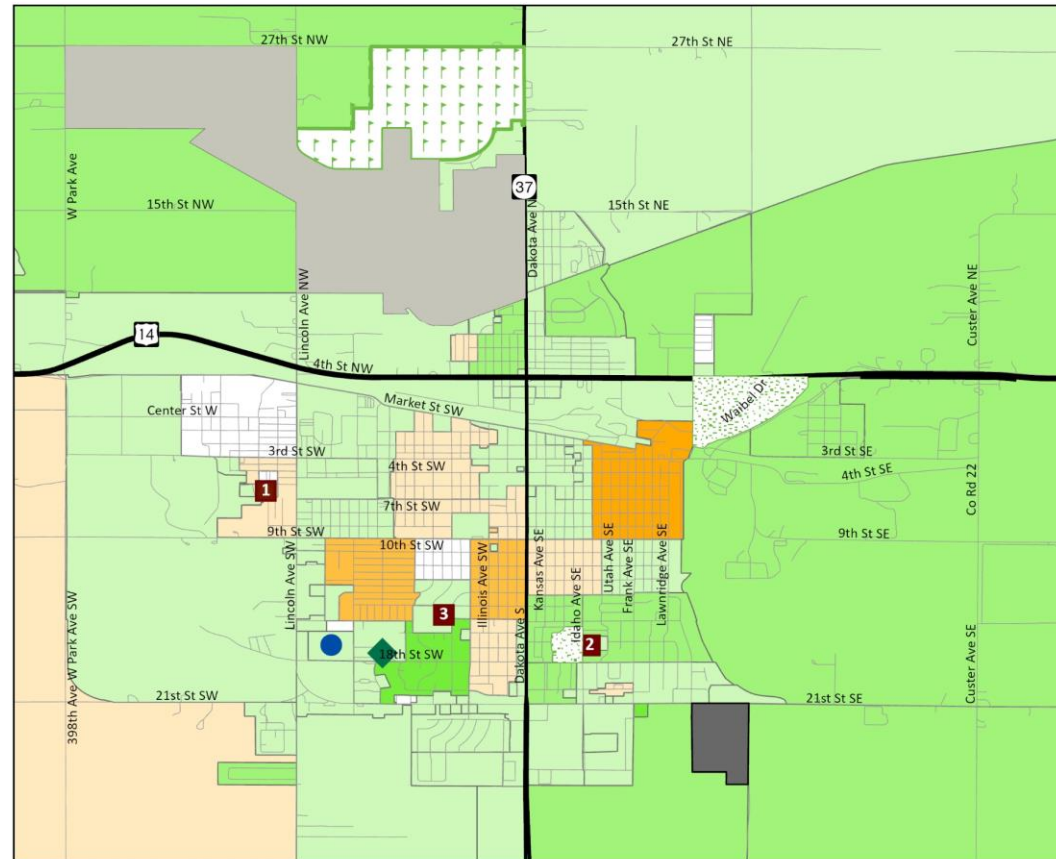
Student Count Change from 2018/19 to 2022/23 in Grades K-12

Map Details

- Depicts student movement at each Planning Area from **2018/19** to **2022/23**
- **Orange:** student increase year to year
- **Green:** student decrease year to year
- **White:** no net change of students

Notes

- New developments have a greater propensity to have more students in future years
- Current colors do not indicate area will continue to increase or decrease
- Each of these planning areas are fluid with respect to change – the visual shown is a snapshot: Areas shown as increasing will not always increase just like areas shown as decreasing will not always decrease



- 1 Buchanan K-1
- 2 Madison 2-3
- 3 Washington 4-5
- Huron Middle School
- Huron High School
- District Boundary
- Airport
- Cemetery
- Golf Courses
- Park



Decrease in Students



Increase in Students

Count Change is the number of students in 2022/23 subtracted by the number in 2018/19 in each Planning Area.



Map data provided by the City of Huron, Beadle County, Huron School District, and ESRI. Map created by RSP & Associates in August 2023.

Main Takeaway: Areas of increase tend to best on the west side of Hwy 37 beside the neighborhood north of 9th street on the east side Huron

Heat Map

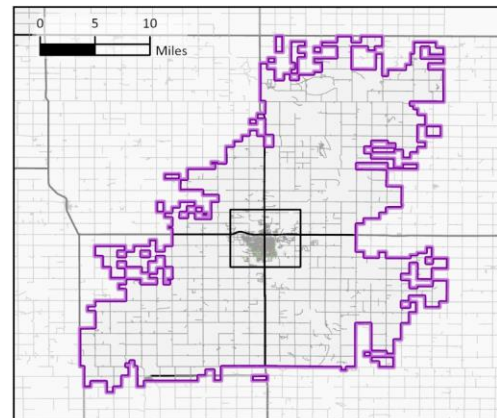
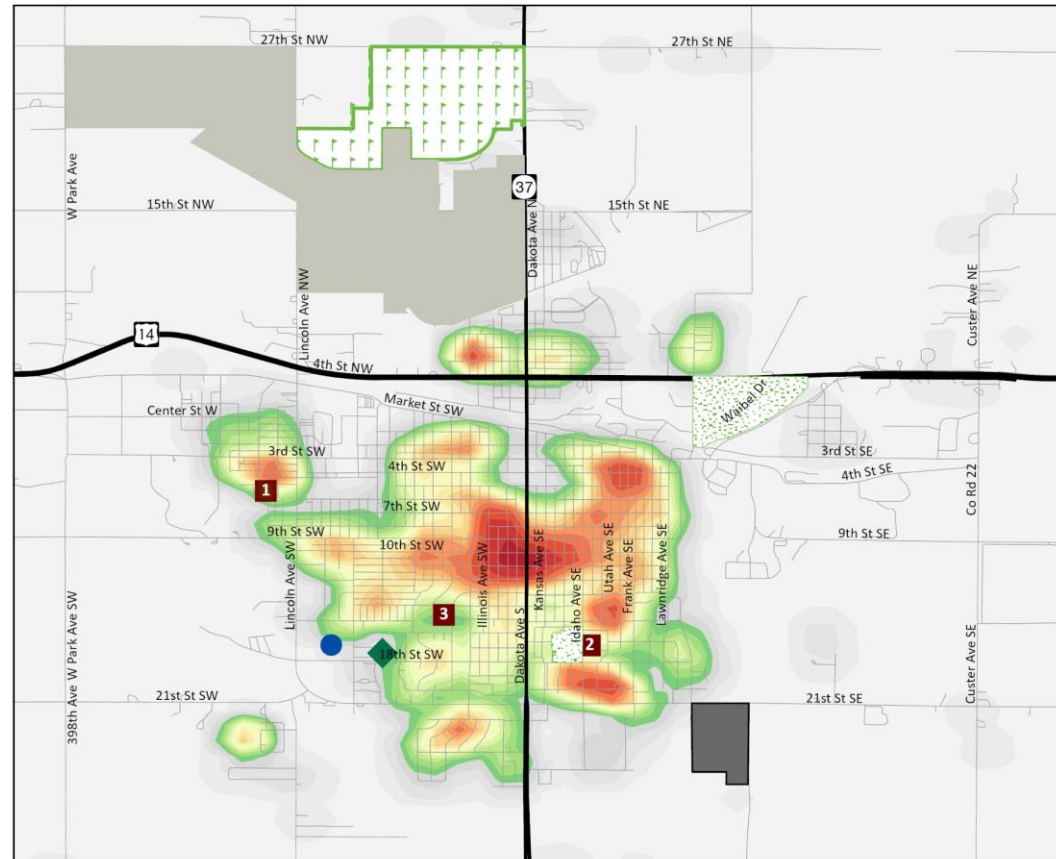


Map Details

- Visual shows the location of students in proximity to other students for a “heat affect” in the district.
- Red:** highest student density
- Gray:** lowest student density

Notes

- Overlapping points (2 or more students) are handled using a weighting of coincident points
- Newer developments and/or most affordable areas tend to have the greatest density



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Student Density



Student "Heat" is determined by calculating the number of students that are clustered within close proximity of one another. Overlapping of points (2 or more students residing at the same address) are handled using a weighting of coincident points. This weighted data is calculated by relational distance, which helps to visually depict the areas of high student clustering.



Map data provided by the City of Huron, Beadle County, Huron School District, and ESRI. Map created by RSP & Associates in August 2023.

Main Takeaway: Areas of highest student density is in central City of Huron north of Washington Elementary

Enrollment Observation and Conclusion

The following are some general enrollment observations:

- RSP & Associates monitors over 100 planning areas for demographic, development, and enrollment data sets
- Live births in Beadle County have been decreasing since the peak in 2016 – *indicator of student loss*
- District enrollment increased by 63 students from last year – *indicator of student growth*
 - Only 11th and 12th grade are less than 200 students per grade
 - Most grade levels decrease as they work their way through the system
 - Cohort boosts tend to be experienced at grade configuration changes (5th to 6th, 8th to 9th)
- Graduating senior classes are smaller than incoming kindergarten classes – *indicator of student growth*
- High school and elementary student out-migration is larger than the in-migration of students – *indicator of student loss*
 - Net loss of students in 2022/23
- Greatest student density is in the center of City of Huron north of Washington Elementary



Development and Growth Trends

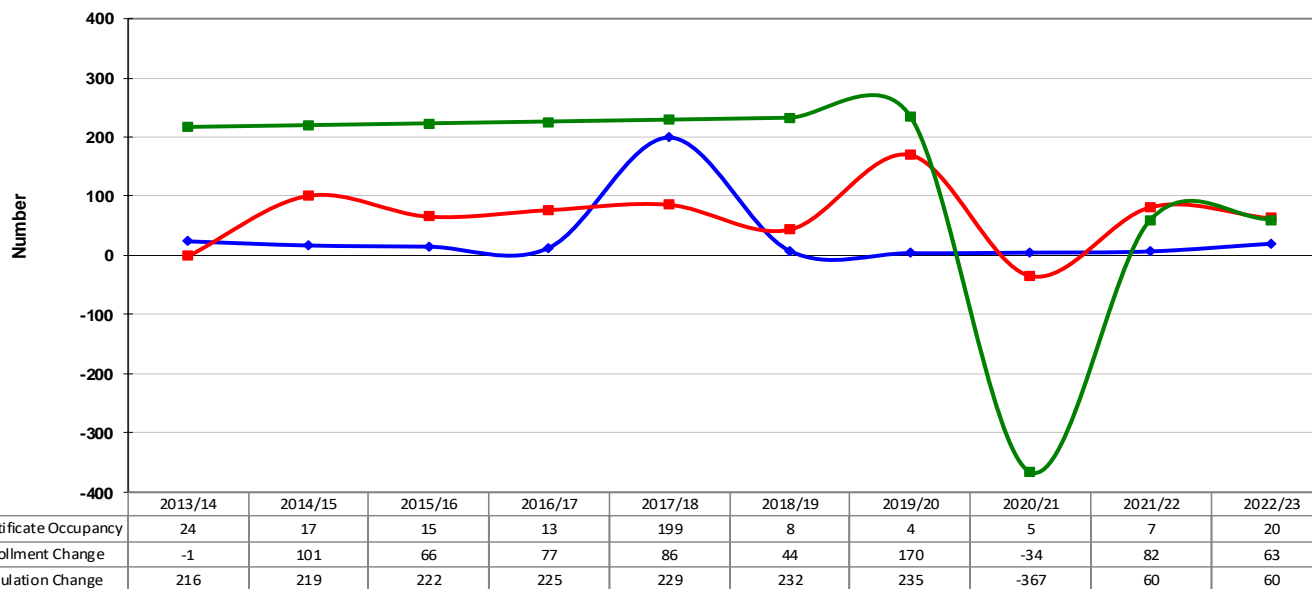
Population, Development, & Enrollment

Student Yield Rate

Housing Market Maps & Data

Potential Growth Analysis

Population, Development, & Enrollment



Benchmark data to determine if there is a correlation between:

- Population change
- Building activity
- School enrollment

Source: Census and ESRI BAO

Graphic Explanation

- **BLUE LINE:** Building trends have had minimal activity since the new units that came online 2017/18
- **GREEN LINE:** Census data indicates slightly increasing population (with a large decline in 2020/21 likely due to COVID-19)
 - Population shows the estimate growth of the whole decade
 - New decennial census often affect year-to-year change
- **RED LINE:** Student enrollment has been generally increasing year to year
 - 2020/21 saw a decrease in students, likely due to COVID-19 pandemic

Student Yield Rate

Students per 100 units:	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Avg
Single-Family	16	16	16	17	19	20	20	21	21	20	20	18.73
Multi-Family	6	8	11	11	11	10	10	11	11	11	12	10.18

Source: Huron School District, Beadle County, and RSP

Single-Family Yield Rate Observations

- Row 1 shows the number of students per 100 single-family (SF) units by year
- District sees on average 18 K-5 students per 100 single-family households
- The SF yield rate has increased over the past twenty years and peaked in 2019/20 with 21 students per 100 single-family households
- Adding new housing inventory can increase the yield rate -- **There were 110 single-family homes built from 2013 to 2023**

Multi-Family Yield Rate Observations

- Row 2 shows the number of students per 100 multi-family (MF) units by year
- District sees on average 10 students per 100 multi-family households
- The MF yield rate has increased over the past twenty years and peaked in 2022 with 12 students per 100 multi-family units
- Adding new housing inventory can increase the yield rate -- **There was 215 multi-family homes built from 2013 to 2023**

Average Year Built Map



Huron School District

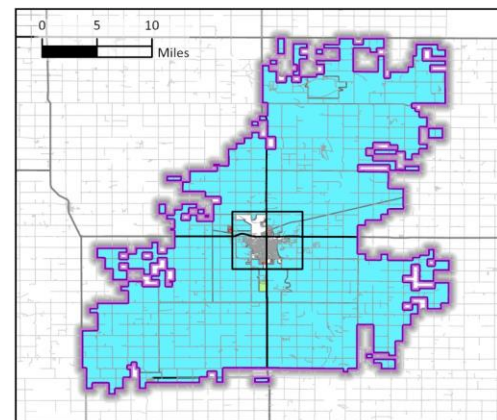
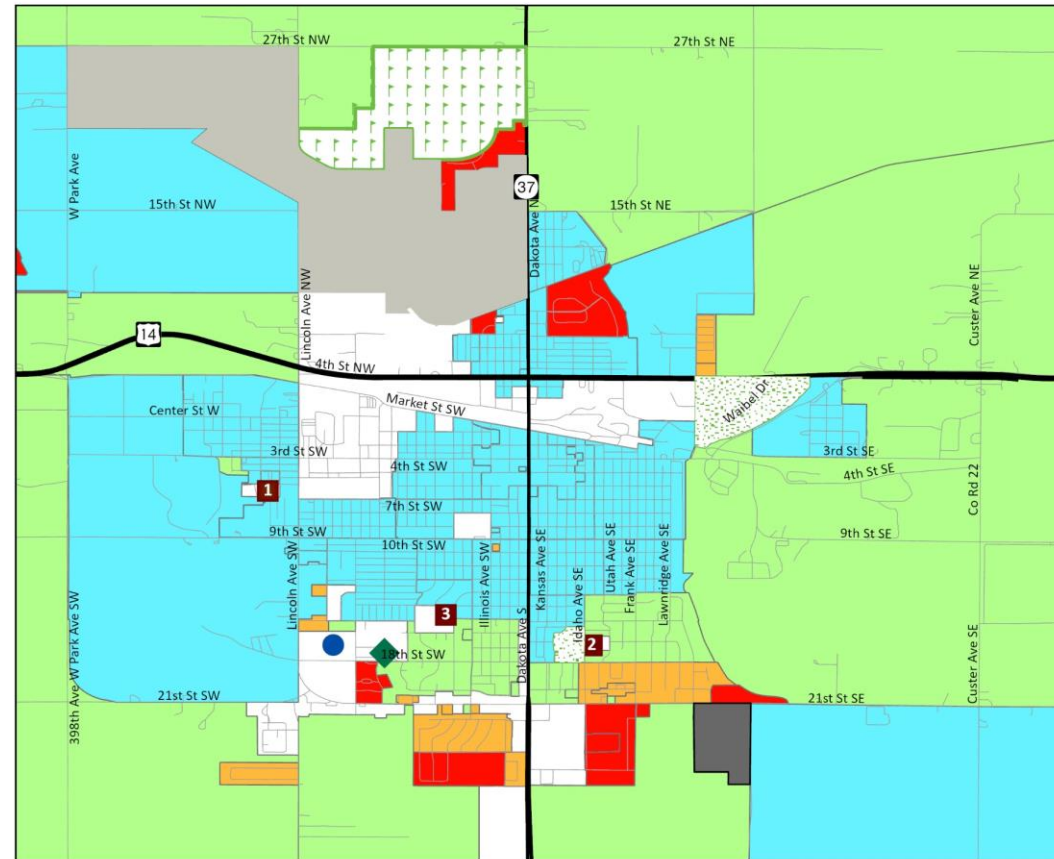
Average Year Built

Map Details

- Year built data provided by Beadle County
- Colors to show decade units were built
 - **White** – no data
 - **Blue** – before 1960
 - **Green** – 1961 to 1980
 - **Orange** – 1981 to 2000
 - **Red** – After 2000

Notes

- Averages based on RSP Planning Areas and the units built in them
- Based on a planning area and could be influenced by the number of units prior to new units being built



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Average Year Built

- No Data
- Before 1960
- 1961 to 1980
- 1981 to 2000
- After 2000

Year Built provided by Beadle and City of Huron. Average Year Built displayed by planning area.



Map data provided by the City of Huron, Beadle County, Huron School District, and ESRI. Map created by RSP & Associates in August 2023.

Main Takeaway: Areas of older inventory tend to be more affordable and are where the highest student density resides in the district.

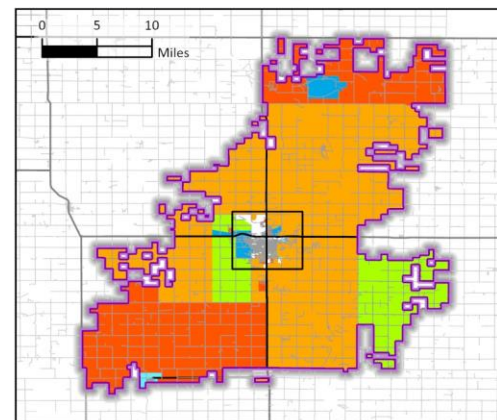
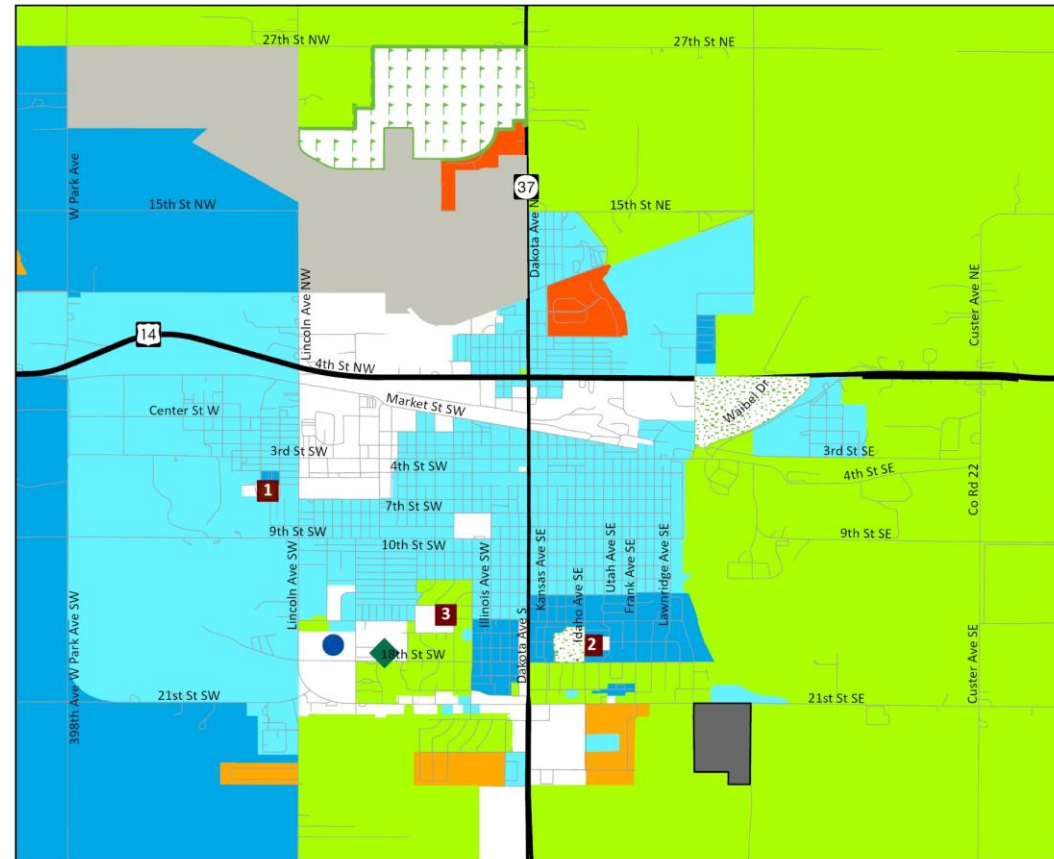
Median Home Value Map

Map Details

- **Orange to Red:** greatest Median Home Value
- **Green to Blue:** greatest affordability

Notes

- Based on assessed Home Value as provided and maintained by Beadle County assessor's office
- Depicted by Median Value in each Planning Area - Based on a planning area and could be influenced by the number of units prior to new units being built
- Home values likely correlated to socio-economic status – new areas tend to be the least affordable



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Median Home Value

- No Residential Data
- < \$100,000
- \$100,000 to \$150,000
- \$150,000 to \$200,000
- \$200,000 to \$250,000
- > \$250,000

Property values provided by Beadle and City of Huron. Median Home Values displayed by planning area.



Map data provided by the City of Huron, Beadle County, Huron School District, and ESRI. Map created by RSP & Associates in August 2023.

Main Takeaway: Areas of older inventory tend to be more affordable and are where the highest student density resides in the district.

Recent Year Built Map

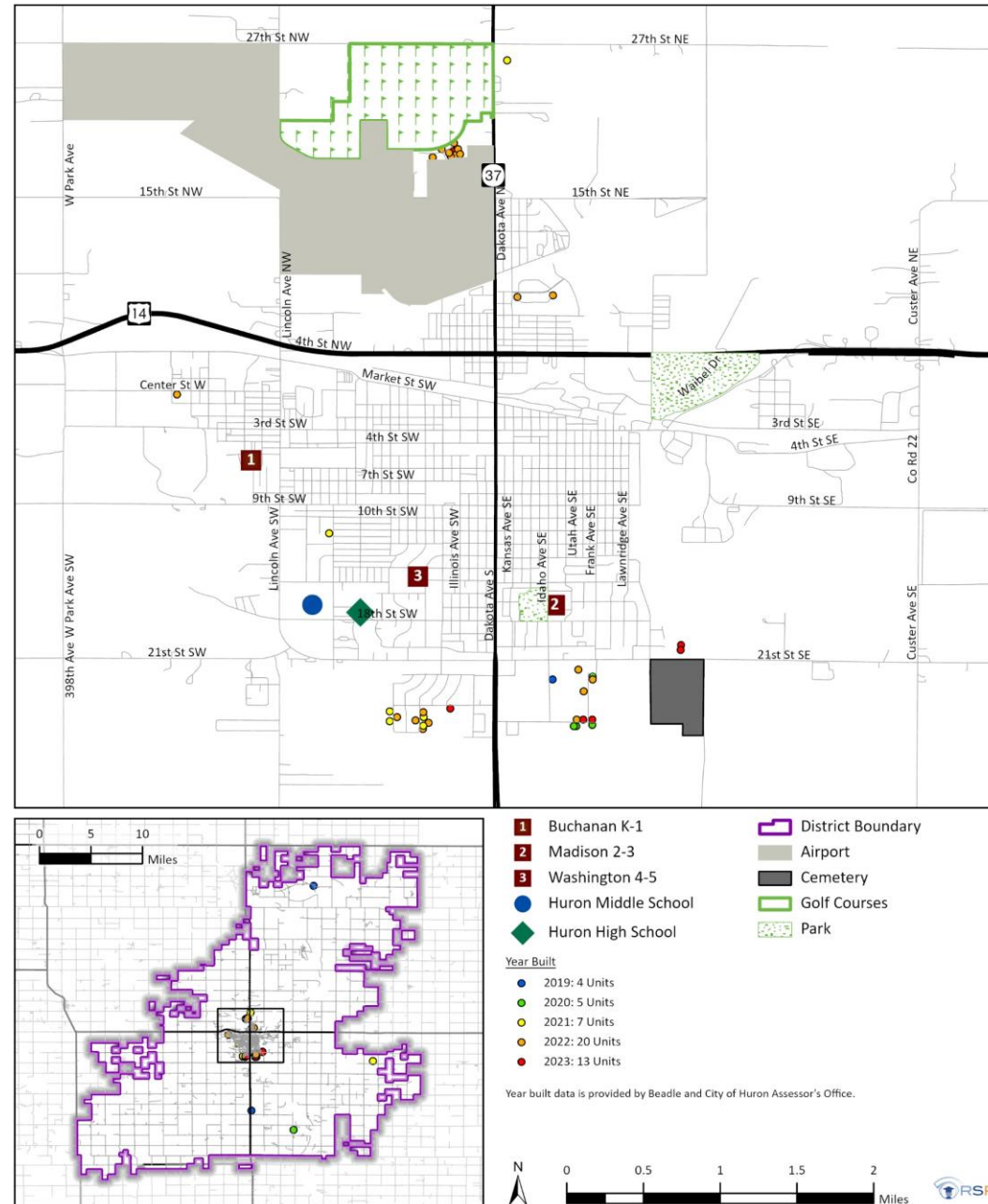


Map Details

- Reveals the clusters of where recent residential development has occurred
- Some new areas do not necessarily lead to similar yield rates of like developments
- Colors of dots represent a specific year according to the county assessor's office
 - **2019:** 4 new units
 - **2020:** 5 new units
 - **2021:** 7 new units
 - **2022:** 20 new units
 - **2023:** 13 new units (partial record)

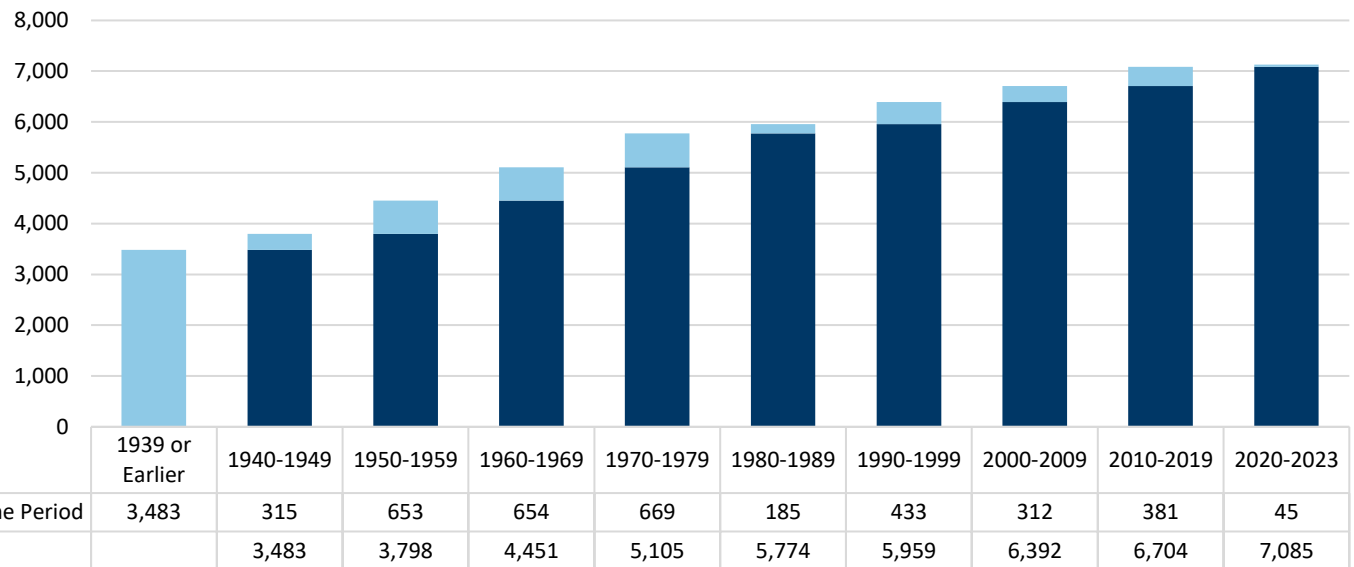
Notes

- Type of housing is monitored as some planning areas (single-family or multi-family) do not necessarily lead to similar yield rates and may change from year to year



Development Activity Over Time

New V.S. Existing Units by Decade Built



Source: Beadle County and ESRI

Observations:

- Table has been created to illustrate the number of units by year built
- The average number of units built per year from 2010 to 2019 (38 per year) is higher than from 2000 to 2009 (31 per year)
- The majority of residential units in the district were built prior to 1939
- The average year for all units built was 1946 and the median year built in 1949

Growth Area Map

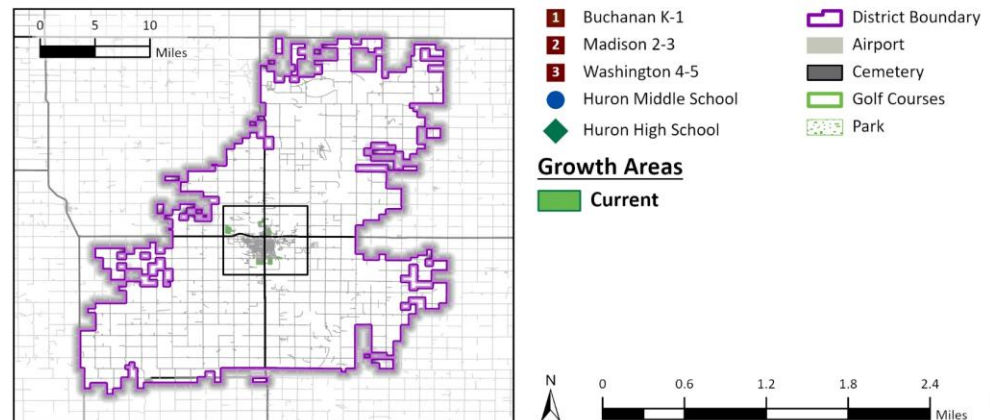
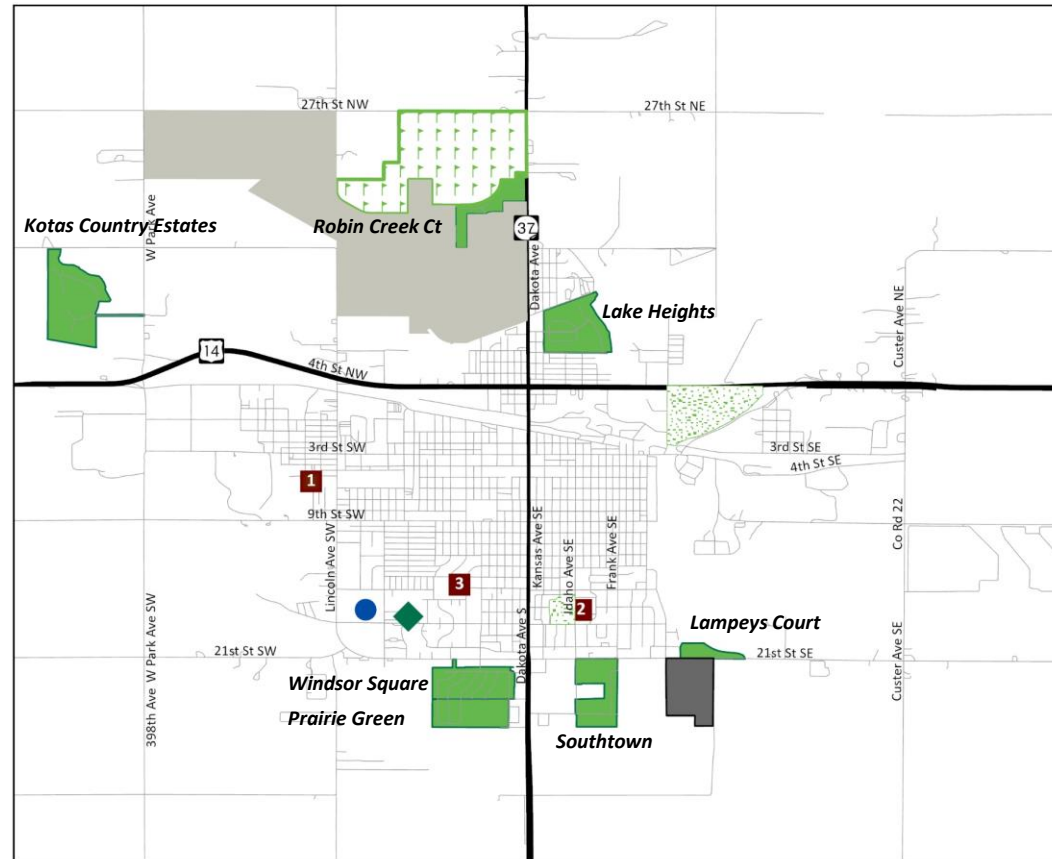


Development: (RSP Planning Area)	Type of Development	Timing of Growth	Existing Units	Potential Units
Lake Heights	Single-Family	Current	44	19
Robin Creek Ct	Single-Family	Current	29	6
Kotas Country Estates	Single-Family	Current	7	16
Windsor Square	Single-Family	Current	172	23
Prairie Green	Single-Family	Current	68	4
Lampeys Court	Townhomes	Current	4	4
Southtown Residential	Mixed-Use	Current	38	45

Observations

- Growth areas are created from existing land use, future land use, capital improvement plan, zoning, and city staff input
- The market demand and property owners desire to build guides the timing and type of development
- Some growth areas may require infrastructure improvements
- There is no guarantee any of these growth areas will develop or that other areas not shown as a growth area will develop

Main Takeaway: There are over 115 potential units to built in the district. Most of the development projects are single-family units



- Growth Areas**
- Current



Map data provided by the City of Huron, Beadle County, Huron School District, and ESRI. Map created by RSP & Associates in August 2023.

Development Observation and Conclusion

The following are some general housing/development observations:

- Over 100 units identified for potential development – *indicator of student growth*
- Building activity has been limited the past three decades – *indicator of student loss*
 - Monitor local factors that may affect development timing and economic outlook to gauge how the new decade of residential growth will play out
- Single-family residential has the highest propensity to have school aged students, yield rates of this development type are higher than that of multi-family – *indicator of student growth*
 - Tracking the types of development is important to understand the yield rate of students for every part of the community – there are varying yield rates with all developments
- Growth areas are located along the outside edges of the City of Huron and are typically single-family in type – many development projects have been slowly building out over the past ten years
- Residential development will continue if the housing product is affordable and have active residential projects – infrastructure connectivity also plays a role in the desirability and timing of residential development
- As of February 2022, construction costs have increased over 100% from August 2020 and supply chain challenges impact the potential of new development and where new developments will occur in the district



Past, Current, & Future Enrollment
Building Projections
Grade Level Projections

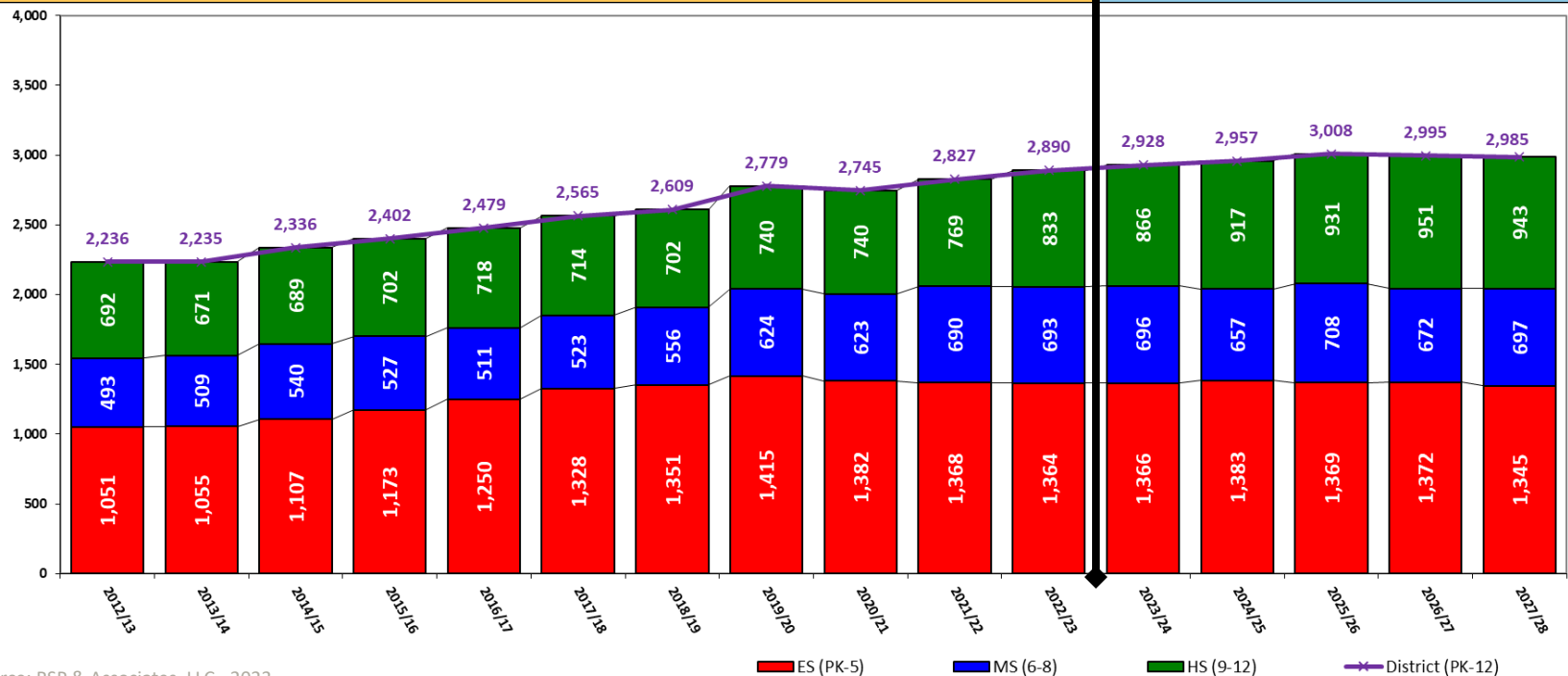
Past, Current, & Future Enrollment

Note: Enrollment projects include out of district students

Market Forecast

Past Enrollment

Projected Enrollment



Source: RSP & Associates, LLC - 2023

Observations:

- Enrollment Change – Overall enrollment is forecasted to be near 3,000 students through the projection time frame
- **District enrollment increases by about 95 students (3.3%)**
- **Elementary decrease by about 19 students**
- **Middle School increase by about 4 students**
- **High School increases by about 110 students**

Projection Notes & Clarifications

Past Enrollment and Projections are shown three ways:

1. Reside (Based on where a student Resides in relation to the district boundary)
2. Attend (Based on both a student residing in the district and attending and students not residing in the district attending)
3. Out of District (Students who do not reside in the district boundary but attend)

Other Items

- Enrollment Grade Configuration in Student Forecast Model (PK-5, 6-8, and 9-12)
- Open enrollment trends are assumed to follow District policy and follow similar trends as the last few years
- Projection accuracy is limited by the number of years of student data which matches the State enrollment
- Projects are integrated with potential outcomes as a result of potential continued impact of COVID-19
- Housing challenges that may result in a slowdown in new housing starts and challenges with the economy as it adapts to a “New Normal” of supply challenges, cost increases, and other housing policy changes

Projections by Building

Huron Schools Enrollment Projections By School

School	District Capacity	Student Location	Past School Enrollment				Projections Based on Residence				
			2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
McKinley Learning Center PK	105	Out of District Reside Attend	0 37 37	0 33 33	0 42 42	0 41 41	0 43 43	0 46 46	0 50 50	0 47 47	0 49 49
Buchanan Center K-1	585	Out of District Reside Attend	13 447 460	8 435 443	8 426 434	15 446 461	15 435 450	13 428 441	13 423 436	12 409 421	11 395 406
Madison Center 2-3	600	Out of District Reside Attend	9 467 476	12 433 445	8 432 440	5 431 436	7 426 433	12 450 462	12 440 452	10 434 444	10 428 438
Washington Center 4-5	494	Out of District Reside Attend	15 427 442	10 451 461	9 443 452	10 416 426	9 431 440	7 427 434	10 421 431	16 444 460	16 436 452
Huron Middle School 6-8	791	Out of District Reside Attend	24 600 624	21 602 623	25 665 690	18 675 693	21 675 696	22 635 657	22 686 708	24 648 672	23 674 697
Huron High School 9-12	949	Out of District Reside Attend	26 714 740	31 709 740	36 733 769	37 796 833	35 831 866	36 881 917	32 899 931	39 912 951	43 900 943
ELEMENTARY SCHOOL TOTAL PK to 5th	1,784	Out of District Reside Attend	37 1,378 1,415	30 1,352 1,382	25 1,343 1,368	30 1,334 1,364	31 1,335 1,366	32 1,351 1,383	35 1,334 1,369	38 1,334 1,372	37 1,308 1,345
MIDDLE SCHOOL TOTAL 6th to 8th	791	Out of District Reside Attend	24 600 624	21 602 623	25 665 690	18 675 693	21 675 696	22 635 657	22 686 708	24 648 672	23 674 697
HIGH SCHOOL TOTAL 9th to 12th	949	Out of District Reside Attend	26 714 740	31 709 740	36 733 769	37 796 833	35 831 866	36 881 917	32 899 931	39 912 951	43 900 943
DISTRICT TOTALS PK to 12th	3,524	Out of District Reside Attend	87 2,692 2,779	82 2,663 2,745	86 2,741 2,827	85 2,805 2,890	87 2,841 2,928	90 2,867 2,957	89 2,919 3,008	101 2,894 2,995	103 2,882 2,985

Source: RSP & Associates, LLC - March 2023

School Utilization Legend

- Over 100% School Capacity
- Under 70% School Capacity

Main Takeaway:

- There are no anticipated capacity challenges at the middle or elementary school level
- Capacity challenges are expected at Huron High by 2026/27
- Buchanan Center is forecasted to be under 70% of building capacity by 2026/27

Projection Observation and Conclusion

Enrollment is forecasted to...

- District-wide enrollment to increase by 95 students in five years totaling 2,985
- District student growth is at the high school level as smaller grades graduate and are replaced by larger classes
 - High School enrollment to increase by over 100 students to total 943
- Elementary and middle school enrollment is forecasted to decrease over the next five years
 - Elementary School enrollment to decrease by 19 students in five years to total 1,345
 - Middle School enrollment peaks in 2025/26 with 708 students and then decreases by 2027/28 to total 697 students

Driving forces of forecast include...

- 2022/23 Student population – *indicator of student growth*
Indicators:
 - *Largest classes in middle school currently (6th to 7th grade)*
 - *Smallest classes in high school currently (11th to 12th grade)*
 - *Larger kindergarten classes than senior classes*
- Development Activity – *indicator of student growth*
Indicators:
 - *Increasing yield rates*
 - *Limited building activity outlook*
- Migration Trends – *indicator of student loss*
Indicators:
 - *High student migration movement*
 - *Cohort loss year to year*
 - *Slow down of population growth year to year*



Next Steps

Moving Forward

Next Steps

Key Considerations

Conclusion & Key Considerations

The following items will assist the district advance its educational goals:

- Annually review enrollment projections, demographics, and development trends
- District administration and the Board of Education further study the enrollment, demographic, and development information presented
- Utilize the enrollment model to assist with planning for staffing needs at each facility for the following school year which will address how quickly areas are “Regreening” and “Emerging”
- The type of residential development and how affordable it is will determine likely location and number of students
- Annually monitor the impact of future educational programming that will be integrated into each facility to ensure equitable and appropriate space is utilized in the building which will experience enrollment change
- RSP Enrollment forecasting is based on the best-known information at the time

Key Considerations:

1. Number of live births in Beadle County (Less than previous years)... *see page 10*
2. Size of outgoing senior class (larger) compared to the incoming Kindergarten and PK classes (smaller)... *see page 12*
3. Migration trends (In-Migration tends to be more than Out-Migration)... *see page 14*
4. Development trends and timing of identified projects (350-unit production potential next ten years)... *see pages 26*

Enrollment may decrease more than forecasted if...	Enrollment may increase more than forecasted if...
Decreasing share of live births or number of live births	Increasing share of live births or number of live births
Current housing stock does not re-green (decrease student yield)	Current housing stock re-greens (turns over in student yield rate)
Development and economy maintain minimal potential growth	Development and economic growth increases
Demographic shifts in population	Demographic shifts in population
Incoming Kindergarten class smaller than outgoing senior class	Incoming Kindergarten class larger than outgoing senior class

These factors are not all positive or negative. Each have a different impact on future outlooks. RSP modeling attempts to find the most likely outcome. **It is important to continue to monitor these factors. The goal of this study is to help the board, administration, and public understand how to make the best decision for the students at the classroom level.**



Appendix

Community Demographics

Intra-transfer Tables

Student Density Maps

Demographic Summary



Population

Percent Change of Annual Rate

2000 to 2010: 0.41%
2010 to 2020: 1.04%
2020 to 2022: 0.38%
2022 to 2027: 0.28%



Housing

Percent Change of Annual Rate of Housing Inventory

2000 to 2010: 0.15%
2010 to 2020: 0.16%
2020 to 2022: 0.32%
2022 to 2027: 0.04%



Income

Percent Change of Income per Capita

2022: \$28,588
2027: \$31,298
2022 to 2027: 1.83%



Workforce

Unemployment Rate

1.1% as of July 2023

Observations:

- The population was increasing for the past two decades and is forecasted to continue increasing, but at a slower rate
- The housing inventory has increased minimally since 2000 and is forecasted to continue at a slower rate
- Income has increased in the district
- The unemployment rate is lower than the State of South Dakota

Demographics

General Demographics	Huron School District	Pierre School District	Brookings School District	City of Huron	Beadle County	Jerauld County	State of South Dakota
Unemployment Rate	1.1%	0.4%	2.3%	1.3%	1.0%	0.5%	1.7%
Average Household Size	2.51	2.32	2.32	2.51	2.53	2.15	2.43
Median Age	42.2	41.4	28.5	41.5	43	52.6	38.9
Total Population	16,854	16,855	27,846	14,385	19,324	1,595	910,839
Median Household Income	\$53,586	\$78,819	\$61,390	\$51,728	\$55,201	\$65,137	\$67,023
Total Housing Units	7,393	7,595	12,124	6,237	8,459	943	407,108
Owner Occupied Housing	4,357	4,892	6,148	3,633	5,137	548	250,696
Renter Occupied Housing	2,168	2,036	4,499	1,953	2,287	182	110,820
Vacancy Rate	11.7%	8.8%	12.2%	10.4%	12.2%	22.6%	11.2%
Race/Ethnicity	Huron School District	Pierre School District	Brookings School District	City of Huron	Beadle County	Jerauld County	State of South Dakota
White	64.0%	78.8%	85.0%	60.7%	67.9%	92.4%	78.9%
Black	0.8%	0.5%	2.3%	0.9%	0.8%	0.0%	2.1%
American Indian/Alaskan	1.4%	11.4%	1.2%	1.5%	1.3%	0.7%	8.2%
Asian	12.7%	0.8%	3.4%	14.3%	11.1%	0.2%	1.6%
Pacific Islander	0.6%	0.0%	0.1%	0.7%	0.5%	0.0%	0.1%
Other Race	0.2%	0.3%	0.2%	0.2%	0.2%	0.0%	0.2%
Two or More Races	2.8%	5.1%	3.4%	2.8%	2.7%	1.9%	4.1%
Hispanic	17.5%	3.0%	4.4%	19.1%	15.6%	4.9%	4.8%

Notes:

- When comparing all neighboring geographies, Huron School District has the 2nd highest average household size, only being smaller than Beadle County.
- Huron School District has a larger percentage of Asian and Hispanic when compared to the State Average.

Employment Information

Employment by Sector	Huron School District	Pierre School District	Brookings School District	City of Huron	Beadle County	Jerauld County	State of South Dakota
2023 Agriculture/Mining (SIC01-14)	2.3%	0.6%	2.4%	1.2%	3.0%	3.5%	2.0%
2023 Construction (SIC15-17)	3.6%	2.7%	2.7%	3.4%	3.9%	0.8%	4.6%
2023 Manufacturing (SIC20-39)	13.1%	1.0%	9.5%	11.4%	10.2%	33.3%	8.6%
2023 Transportation (SIC40-47)	3.8%	2.6%	0.9%	3.7%	4.4%	4.0%	2.6%
2023 Communication (SIC48)	0.8%	0.6%	1.6%	0.9%	0.8%	0.1%	1.6%
2023 Utility (SIC49)	1.3%	1.0%	1.3%	1.2%	1.3%	0.0%	0.8%
2023 Wholesale Trade (SIC50-51)	12.9%	1.0%	8.4%	10.0%	10.6%	25.6%	4.1%
2023 Home Improvement (SIC52)	1.0%	1.9%	9.4%	0.8%	1.0%	0.2%	1.7%
2023 General Merchandise (SIC53)	4.1%	2.5%	5.4%	4.7%	4.1%	0.2%	1.5%
2023 Food Stores (SIC54)	4.5%	1.0%	1.3%	5.1%	4.7%	0.9%	2.8%
2023 Auto Dealer/Gas Station (SIC55)	1.5%	1.8%	1.6%	1.5%	1.9%	0.4%	2.6%
2023 Apparel/Accessory (SIC56)	0.3%	0.3%	0.2%	0.3%	0.3%	0.0%	0.5%
2023 Furniture/Home Furnishings (SIC57)	0.4%	0.3%	0.6%	0.4%	0.4%	0.0%	0.9%
2023 Eating & Drinking (SIC58)	4.7%	3.5%	8.8%	5.1%	5.2%	1.7%	6.8%
2023 Miscellaneous Retail (SIC59)	1.3%	1.1%	1.7%	1.5%	1.3%	0.6%	2.5%
2023 Banks (SIC60-61)	1.7%	1.5%	0.8%	1.9%	1.8%	5.6%	2.2%
2023 Securities Broker (SIC62)	0.7%	0.2%	0.5%	0.8%	0.7%	0.0%	0.4%
2023 Insurance (SIC63-64)	0.9%	1.1%	0.6%	0.9%	0.9%	1.1%	1.4%
2023 Real Estate/Holding (SIC65-67)	1.8%	1.2%	2.4%	1.9%	1.8%	1.1%	2.0%
2023 Hotel/Lodging (SIC70)	0.5%	1.7%	1.5%	0.5%	0.6%	0.2%	2.3%
2023 Auto Services (SIC75)	0.7%	0.2%	0.8%	0.6%	0.7%	0.2%	1.1%
2023 Movie/Amusement (SIC78-79)	2.7%	2.0%	2.4%	3.0%	2.7%	2.0%	2.5%
2023 Health Services (SIC80)	10.5%	8.0%	6.9%	11.9%	10.6%	3.1%	12.0%
2023 Legal Services (SIC81)	0.3%	1.1%	3.5%	0.4%	0.4%	0.2%	0.7%
2023 Education/Library (SIC82)	6.1%	3.8%	6.5%	6.6%	7.4%	5.6%	8.8%
2023 Other Service (SIC72-89SEL)	12.1%	9.1%	13.3%	13.3%	12.4%	5.1%	14.0%
2023 Government (SIC91-97)	5.7%	47.3%	4.5%	6.0%	6.0%	4.3%	8.4%
2023 Unclassified Establishments (SIC99)	0.8%	0.9%	0.5%	0.9%	0.9%	0.0%	0.6%

Notes:

- Highest percentage of employment is in Manufacturing Sector (13.08%)
- When compared to all neighboring geographies, Huron School District has the highest percentage of employees in Utility (1.32%) and the second lowest in Hotel/Lodging (0.48%)

Jerauld County Birth Rate Information

Jerauld County, SD and Huron Kindergarteners 5 Years Later

Calendar Year	# Live Births	Birth Change	% Birth Change	School Year	# Kdg	%Kdg of Live Births
2008	24			2013/14	0	0.0%
2009	29	5	20.8%	2014/15	0	0.0%
2010	29	0	0.0%	2015/16	0	0.0%
2011	24	-5	-17.2%	2016/17	0	0.0%
2012	23	-1	-4.2%	2017/18	1	4.3%
2013	24	1	4.3%	2018/19	3	12.5%
2014	32	8	33.3%	2019/20	4	12.5%
2015	16	-16	-50.0%	2020/21	3	18.8%
2016	20	4	25.0%	2021/22	1	5.0%
2017	18	-2	-10.0%	2022/23	0	0.0%
2018	24	6	33.3%	2023/24	0	5
2019	20	-4	-16.7%	2024/25	0	4
2020	13	-7	-35.0%	2025/26	0	2
2021	19	6	46.2%	2026/27	0	4
3-Year Avg	17.3	-1.7				
3-Year W. Avg	17.2	0.0				

Source: South Dakota Department of Health and Huron School District.
Includes all Kindergarteners within Jerauld County's boundary.

Low Range

High Range

Live Birth Observations

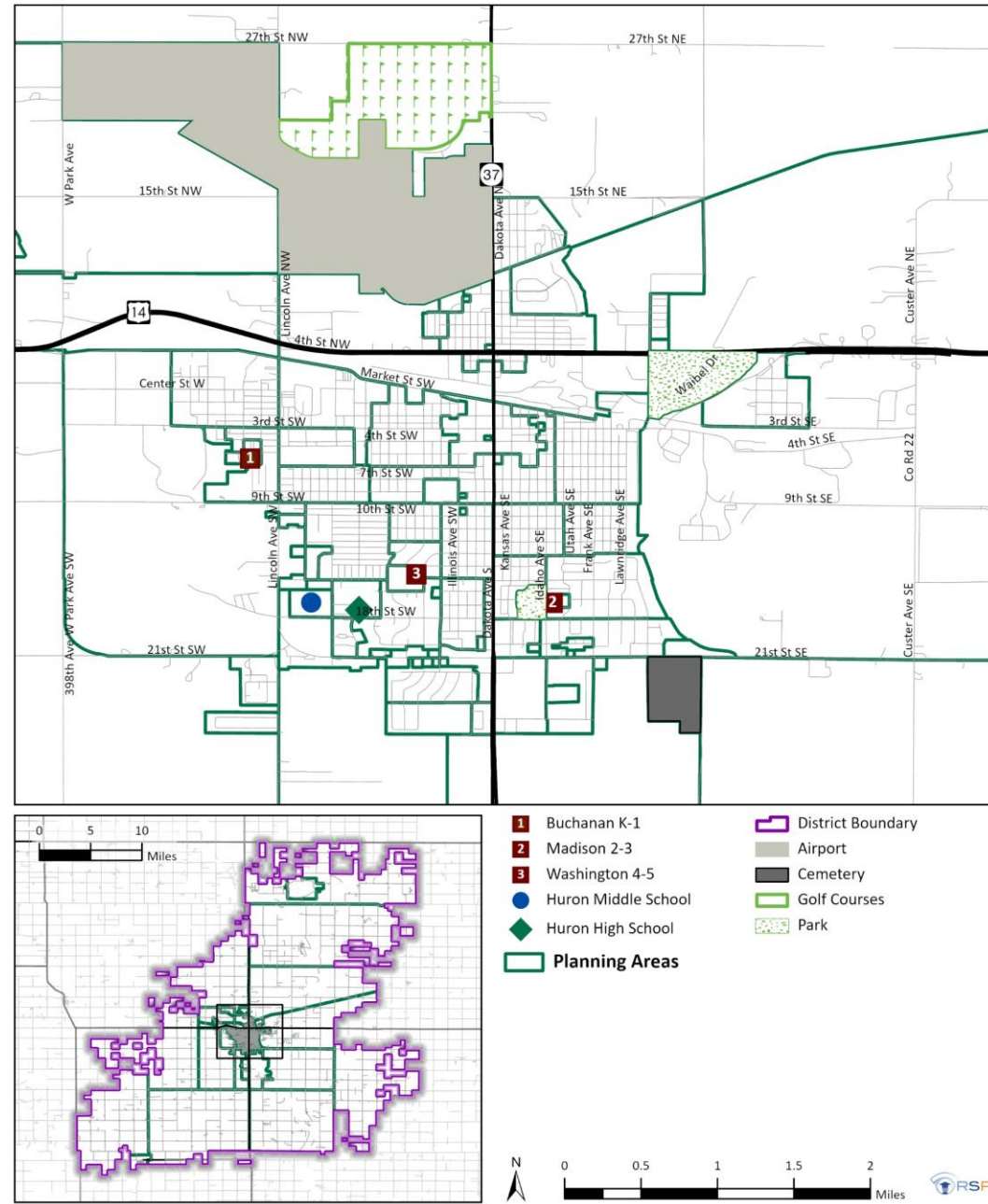
- Tracks the number of Jerauld County live births and the corresponding number of kindergarten students five years later
- There are less than 30 live births per year in Jerauld County – the district typically enrolls less than 5 students

Map Details

- District Boundary: **Purple Line**
- Planning Areas: **Green Line**
 - Planning Areas are created from: Land Use, Residential Density, Natural Features, Manmade Features, Attendance Areas

Notes

- Statistically analyzing data with this number of geographic based polygons will provide a deeper context to how change is happening resulting in a reliable tool to make credible planning decisions
- Each planning area had a different outlook based on indicators such as value of housing, square footage of housing unit, when the housing product was constructed, as well as access to amenities such as shopping, parks, trails, and roads



Planning Areas – Full Map

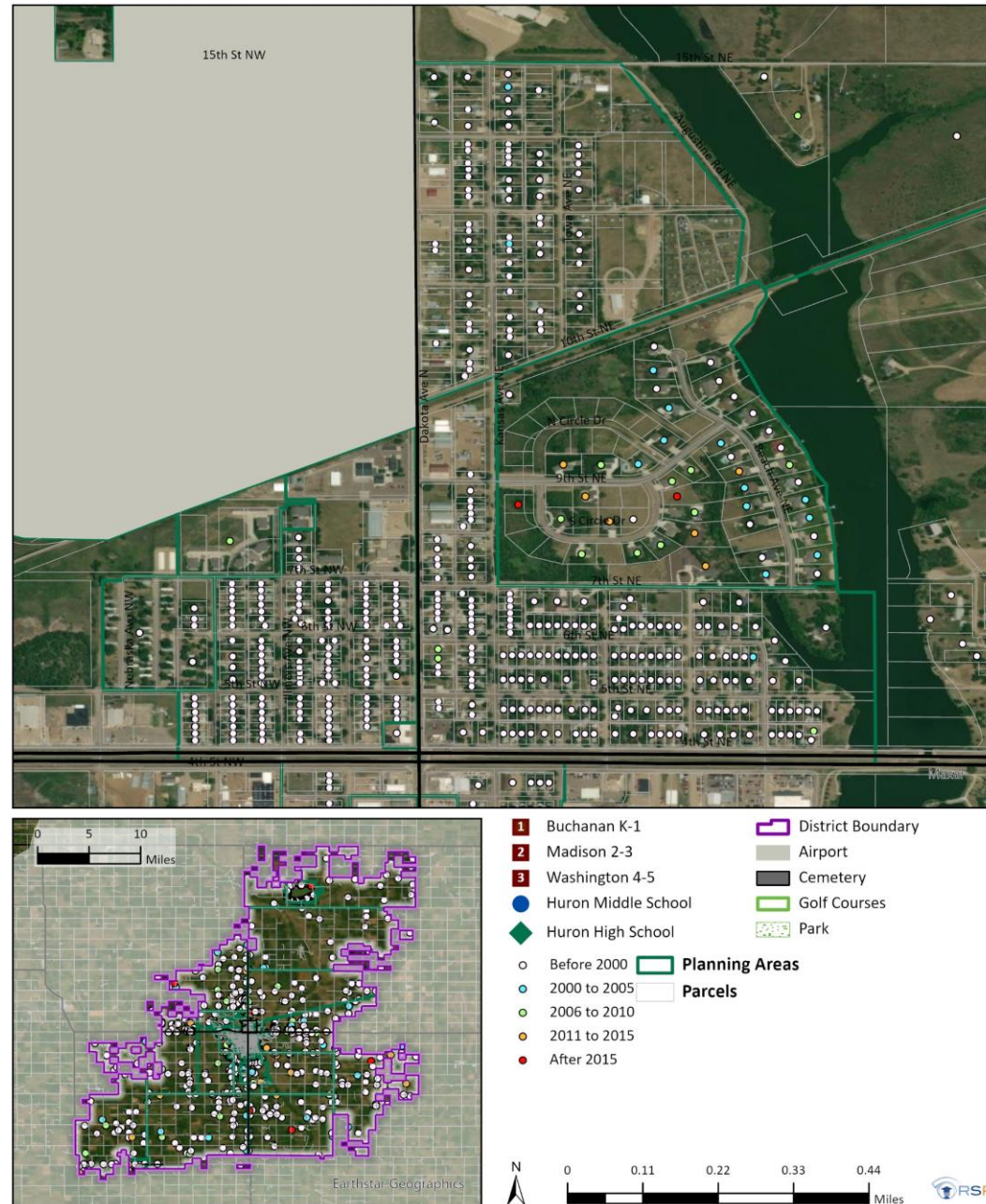


Map Details

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 - Planning Areas are created from: Land Use, Residential Density, Natural Features, Manmade Features, Attendance Areas

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- Each planning area had a different outlook based on indicators such as value of housing, square footage of housing unit, when the housing product was constructed, as well as access to amenities such as shopping, parks, trails, and roads



Elementary Student Count Change Map

Map Details

- Depicts student movement at each Planning Area from **2018/19 to 2022/23**
- **Orange:** student increase year to year
- **Green:** student decrease year to year
- **White:** no net change of students

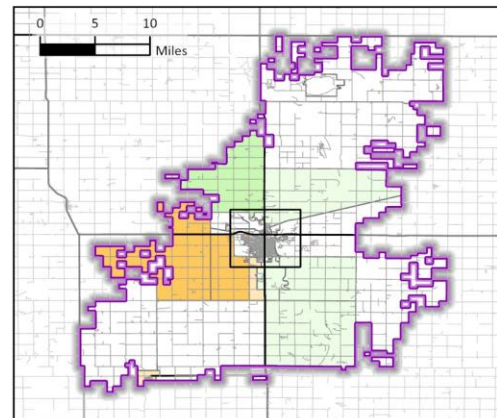
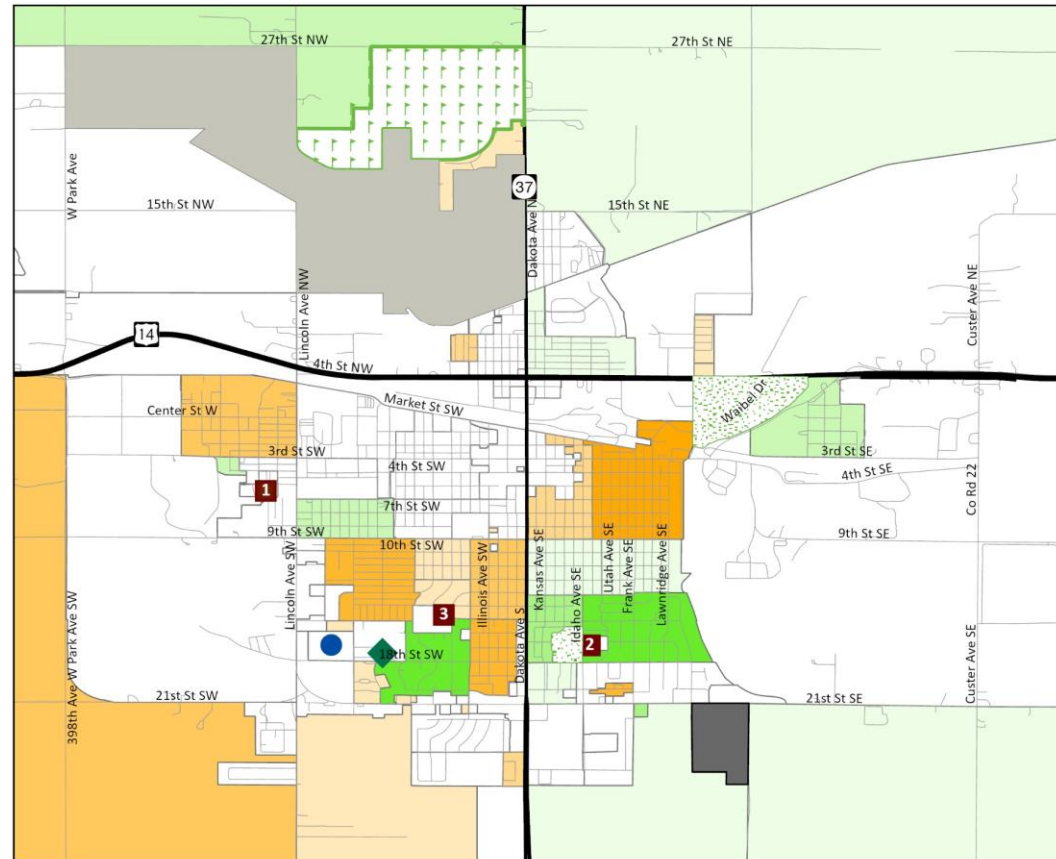
Notes

- New developments have a greater propensity to have more students in future years
- Current colors do not indicate area will continue to increase or decrease
- Each of these planning areas are fluid with respect to change – the visual shown is a snapshot: Areas shown as increasing will not always increase just like areas shown as decreasing will not always decrease



Huron School District

Student Count Change from 2018/19 to 2022/23 in Grades K-5



- 1 Buchanan K-1
- 2 Madison 2-3
- 3 Washington 4-5
- Huron Middle School
- Huron High School
- District Boundary
- Airport
- Cemetery
- Golf Courses
- Park



Decrease in Students



Increase in Students

Count Change is the number of students in 2022/23 subtracted by the number in 2018/19 in each Planning Area.



Student Count Change from 2018/19 to
2022/23 in Grades 6-8

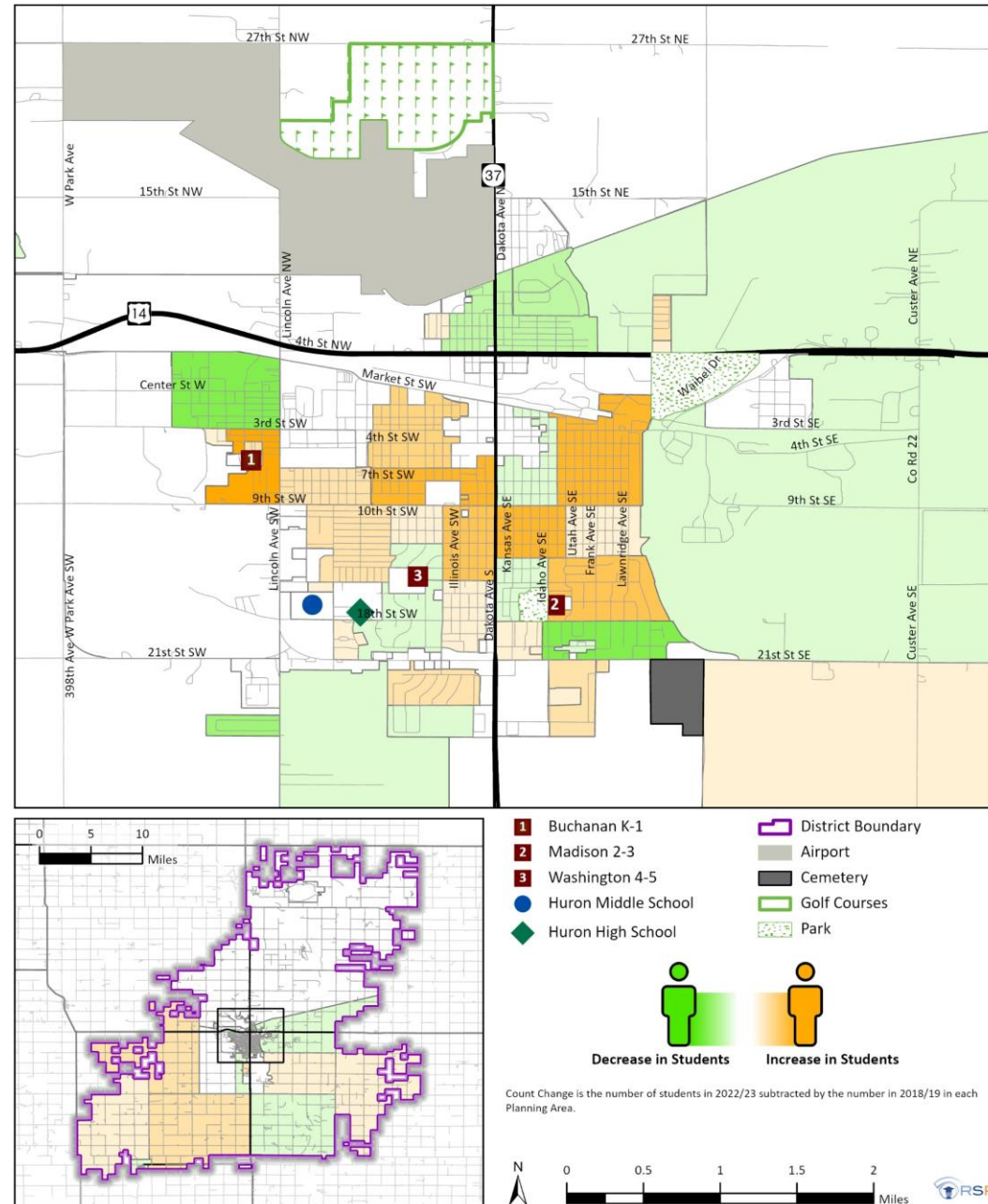
High School Student Count Change Map

Map Details

- Depicts student movement at each Planning Area from **2018/19 to 2022/23**
- **Orange:** student increase year to year
- **Green:** student decrease year to year
- **White:** no net change of students

Notes

- New developments have a greater propensity to have more students in future years
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- Each of these planning areas are fluid with respect to change – the visual shown is a snapshot: Areas shown as increasing will not always increase just like areas shown as decreasing will not always decrease



2018/19 Student Density in Grades K-12

2022/23 Student Density in Grades K-12

Student Density Change from 2018/19 to 2022/23 in Grades K-12

Student "Heat" Density Difference from
2018/19 to 2022/23 in Grades K-12

2018/19 to 2022/23 Kindergarten Count

Map data provided by the City of Huron, Beadle County, Huron School District, and ESRI. Map created by RSP & Associates in August 2022.

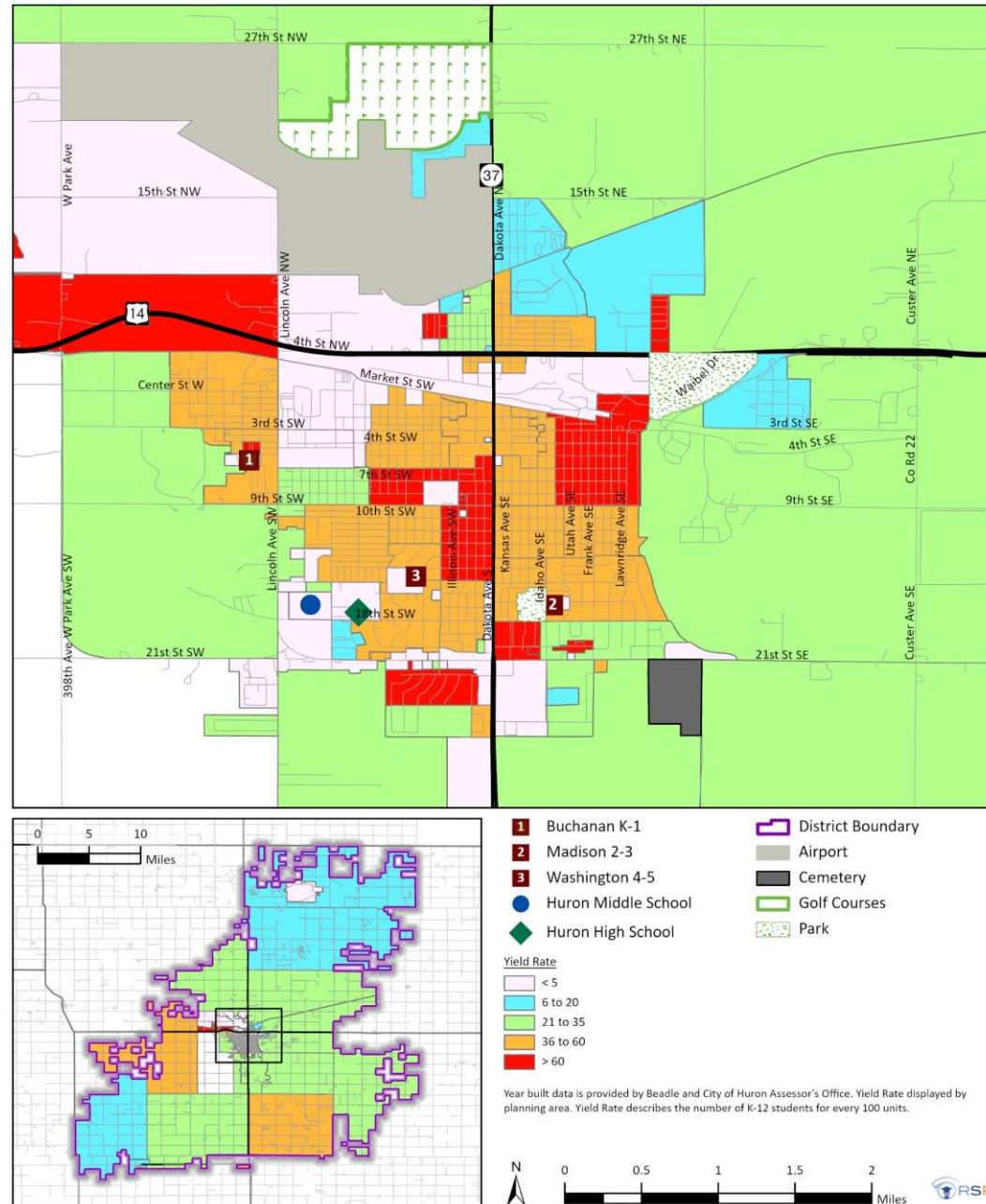
Yield Rate Analysis Map

Map Details:

- Map correlates with Yield Rate Analysis Tables on page 21-22
- Visual shows the difference of yield rate by planning areas
- Map does not differentiate between single-family and multi-family – all residential units are utilized in this analysis

Map Legend:

- **White:** Less than 5 students per 100 units
- **Blue:** 6 to 20 students per 100 units
- **Green:** 21 to 35 students per 100 units
- **Orange:** 36 to 60 students per 100 units
- **Red:** More than 60 students per 100 units



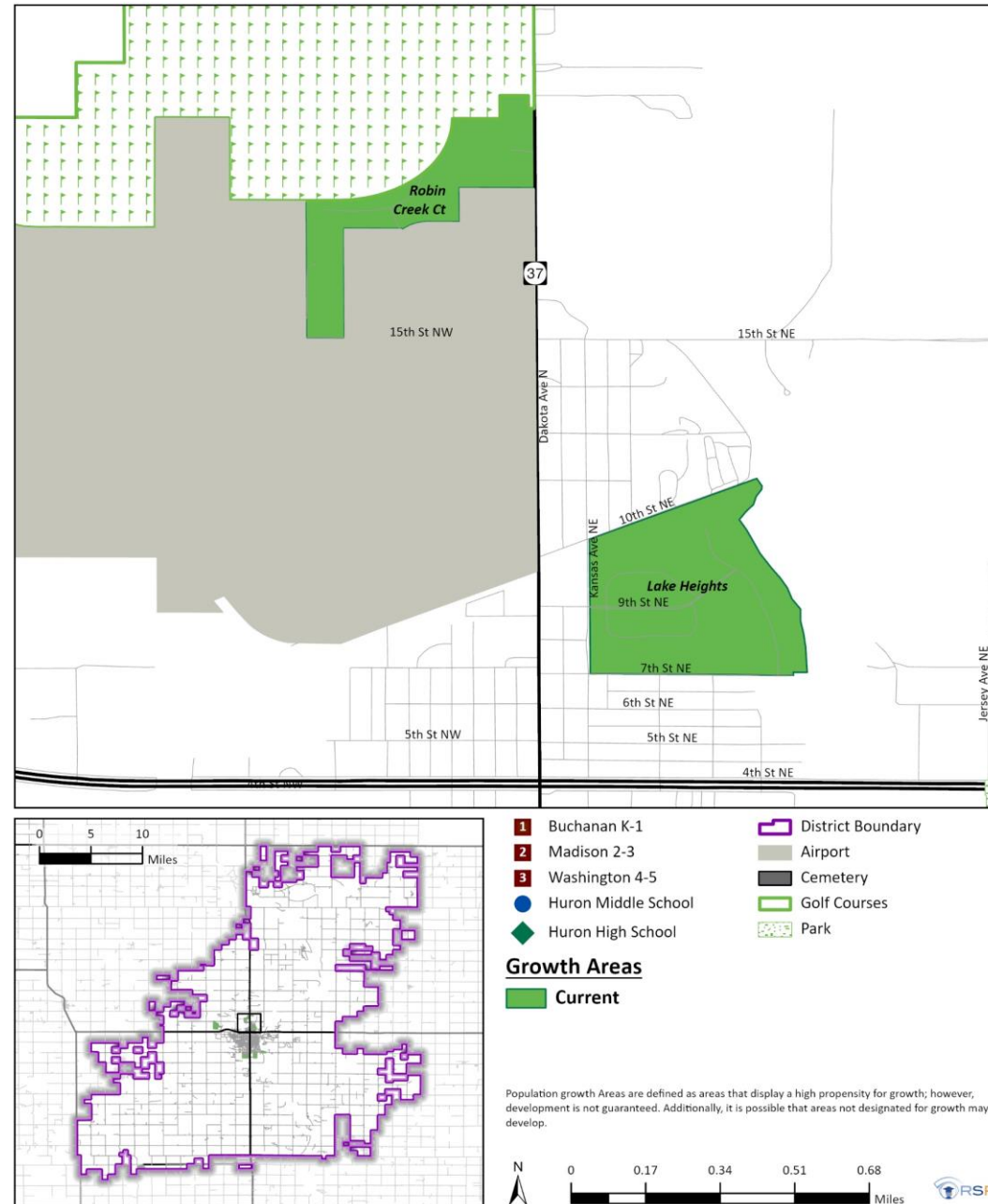
Northern Growth Areas Map



Development: (RSP Planning Area)	Type of Development	Timing of Growth	Existing Units	Potential Units
Lake Heights	Single-Family	Current	44	19
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Observations

- Growth areas are created from existing land use, future land use, capital improvement plan, zoning, and city staff input
- The market demand and property owners desire to build guides the timing and type of development
- Some growth areas may require infrastructure improvements
- There is no guarantee any of these growth areas will develop or that other areas not shown as a growth area will develop



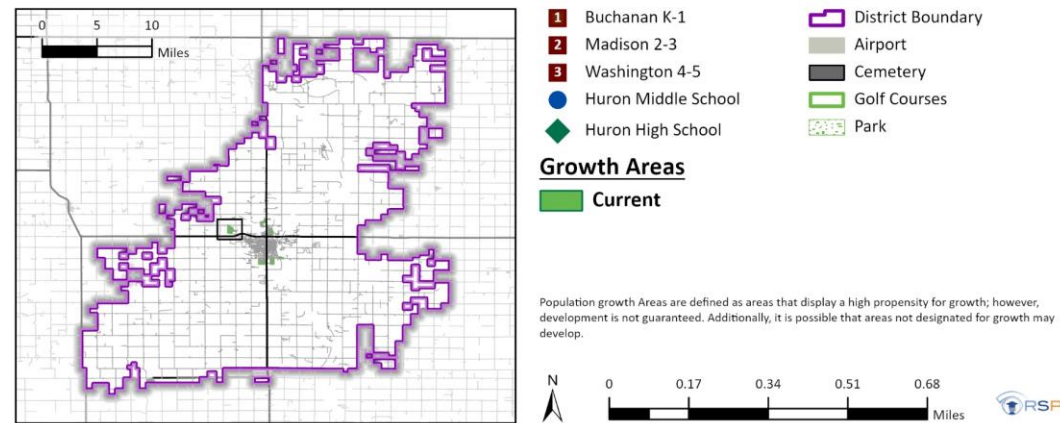
Northwest Growth Areas Map



Development: (RSP Planning Area)	Type of Development	Timing of Growth	Existing Units	Potential Units
Lake Heights	Single-Family	Current	44	19
Robin Creek Ct	Single-Family	Current	29	6
Kotas Country Estates	Single-Family	Current	7	16
Windsor Square	Single-Family	Current	172	23
Prairie Green	Single-Family	Current	68	4
Lampeys Court	Townhomes	Current	4	4
Southtown Residential	Mixed-Use	Current	38	45

Observations

- Growth areas are created from existing land use, future land use, capital improvement plan, zoning, and city staff input
- The market demand and property owners desire to build guides the timing and type of development
- Some growth areas may require infrastructure improvements
- There is no guarantee any of these growth areas will develop or that other areas not shown as a growth area will develop



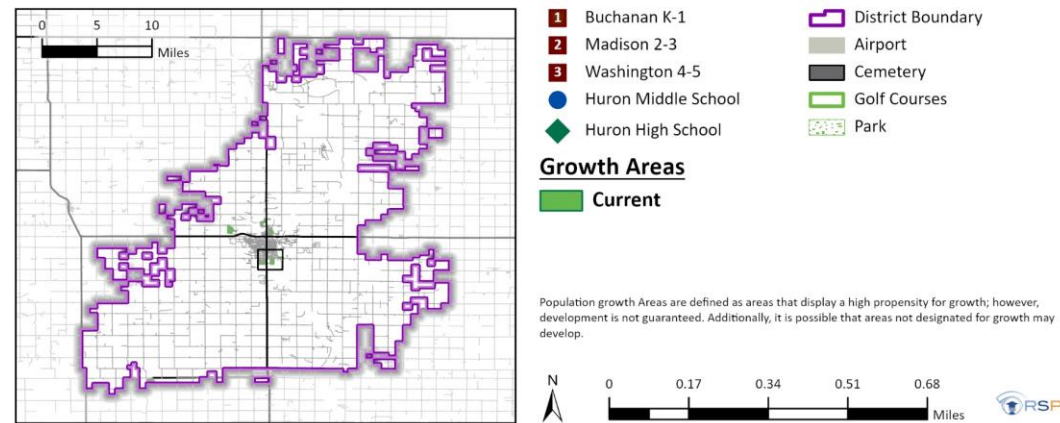
Southern Growth Areas Map



Development: (RSP Planning Area)	Type of Development	Timing of Growth	Existing Units	Potential Units
Lake Heights	Single-Family	Current	44	19
Robin Creek Ct	Single-Family	Current	29	6
Kotas Country Estates	Single-Family	Current	7	16
Windsor Square	Single-Family	Current	172	23
Prairie Green	Single-Family	Current	68	4
Lampeys Court	Townhomes	Current	4	4
Southtown Residential	Mixed-Use	Current	38	45

Observations

- Growth areas are created from existing land use, future land use, capital improvement plan, zoning, and city staff input
- The market demand and property owners desire to build guides the timing and type of development
- Some growth areas may require infrastructure improvements
- There is no guarantee any of these growth areas will develop or that other areas not shown as a growth area will develop



Definitions

- Cohort: a group of individuals having a statistical factor (such as grade level) in common in a demographic study
- Out-migration: shows number of students in grade Kindergarten to 11th that are attending the district in the previous year, but were not attending the district in the current year
- In-migration: shows number of students in grade 1st to 12th that are attending the district in the current year, but were not attending the district in the previous year
- Yield-rate: ratio of students that attend each school to the number of housing units in that school's attendance area
- Single-family: a house that is may be fully detached or semi-detached occupied by one household or family
- Multi-family: a classification of housing where multiple separate housing units for residential inhabitants are contained within one building or several buildings within one complex
- Town Homes: Side by side housing units that do not meet the definition of single-family houses
- Mobile Home Park: movable dwelling, 8 feet or more wide and 40 feet or more long, designed to be towed on its own chassis, with transportation gear integral to the unit when it leaves the factory, and without need of a permanent foundation.
- Vacant Land: means any undeveloped land/ erf within a proclaimed township or a land development area and will continue to be rated as vacant until such time as a certificate of occupancy
- Mixed-use development: development that blends two or more residential, commercial, cultural, institutional, and/or industrial uses
- Median Year Built: equal to the middle point of all reported years when each dwelling unit was built based on information from the local assessor's office
- Median Home Value: equal to the middle point of all reported home values from the assessor's office in the district