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ACKNOWLEDGMENTS

On behalf of Cooperative Strategies, we would like to extend our appreciation to the Byron Center Public Schools for the opportunity to assist them in developing this Student Potential Analysis. As a planning team, we hope that this document will serve the Byron Center Public Schools for years to come.

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EXECUTIVE SUMMARY

Introduction

In August of 2019, Cooperative Strategies was contracted to study student demographics and develop a student potential analysis of the Byron Center Public Schools. This summary is the result of collection, review, and analysis of student demographics and housing information for the Byron Center Public Schools.

The need for analyzing student demographics stems from the increase in student enrollment historically. Over the past ten years, beginning in the 2009-10 school year, enrollment has increased by 366 students. Typically, increases in enrollment are caused by an increase in resident live births; housing development; families moving into the District; or all of the above.

The purpose of this analysis is to determine the potential growth and decline for existing subdivisions, planned housing developments, and undeveloped land; and the impact it has on the Byron Center Public Schools student population. By providing this student potential analysis to the District, it will be better equipped to make decisions regarding future enrollment.

Methodology

To identify areas of the District that are decreasing and increasing in student population, a student yield (ratio = # of students / # of housing units) analysis was completed based on single-family home age and price point. These yields were calculated using preliminary student data provided by the Byron Center Public Schools for the 2019-20 school year, along with parcel and address point data provided by the Kent County GIS department as well as the City of Wyoming, Byron Township, and Gaines Township Planning Departments. The table on the following page illustrates and cross-references the yield data. These yields were then applied to a timeline based on the current housing stock data. This yield timeline, or yield model, was then used to "age-out" any existing, planned, and future housing.

Findings

It is clear that the student yields fluctuate in a predictable pattern. This trend has been observed as a 30-year cycle of first increasing and then decreasing student output by housing unit. When these yields were applied to all existing, planned, and future housing, the result is a wave of enrollment increase, peaking at different times based on the vacant land scenario used.

K-12 Yields, Cross-Referenced by Age of Home & Assessed Value

The table below shows the K-12 yields, broken out by assessed value and age of home. The right side of the table shows the overall yield for each age category. This data was used as a starting point when creating the yield model. All homes, regardless of age, were analyzed for this study; however, only 34% of the housing stock within the District is older than 30 years, and 26% of the student population lives within these homes making yields much more volatile. Therefore, for the purposes of this study, it can be assumed that homes reach student yield maturity after age 30.

| | ASSESSED VALUE | | | | | | | | | | |
|-------------|----------------|---------|-------|--------|--------|--------|--------|--------|--------|---------|-------|
| | | =01/ | 50K - | 100K - | 150K - | 200K - | 250K - | 300K - | 2501/ | N D : | TOTAL |
| | | < 50K | 100K | 150K | 200K | 250K | 300K | 350K | > 350K | No Data | |
| | 35 | | 0.13 | 0.13 | 0.00 | 0.00 | | | | 0.00 | 0.11 |
| | 34 | | 0.15 | 0.20 | 0.39 | 0.00 | | 0.00 | | | 0.21 |
| | 33 | | 0.47 | 0.36 | 0.20 | 0.00 | | | 0.00 | 0.00 | 0.33 |
| | 32 | | 0.05 | 0.29 | 0.44 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.11 |
| | 31 | | 0.13 | 0.25 | 0.33 | 0.38 | 0.67 | | 0.00 | | 0.27 |
| | 30 | | 0.36 | 0.50 | 0.25 | 0.67 | 0.80 | 0.00 | | 0.00 | 0.45 |
| | 29 | | 0.13 | 0.45 | 0.29 | 0.20 | 0.00 | | 0.00 | | 0.31 |
| | 28 | | 0.45 | 0.43 | 0.50 | 0.09 | 0.75 | 0.60 | 0.00 | 0.00 | 0.42 |
| | 27 | | 0.39 | 0.52 | 0.20 | 0.25 | 0.00 | 0.00 | 1.00 | | 0.42 |
| | 26 | | 0.22 | 0.29 | 0.35 | 0.00 | 0.25 | 2.50 | | | 0.30 |
| | 25 | | 0.01 | 0.29 | 0.33 | 0.00 | 0.60 | 1.00 | 1.00 | | 0.10 |
| | 24 | | 0.06 | 0.46 | 0.40 | 0.46 | 1.00 | 0.00 | 0.00 | | 0.34 |
| | 23 | | 0.07 | 0.59 | 0.11 | 0.86 | 0.00 | 0.00 | 0.00 | | 0.28 |
| | 22 | | 2.00 | 0.61 | 0.63 | 0.50 | 0.17 | 0.67 | 0.50 | | 0.61 |
| | 21 | | 0.74 | 0.73 | 0.71 | 0.33 | 0.20 | 0.00 | 0.00 | | 0.66 |
| ME | 20 | | 0.05 | 0.27 | 0.57 | 0.43 | 0.00 | 0.00 | 0.50 | | 0.19 |
| OF | 19 | | 0.07 | 0.73 | 1.08 | 0.79 | 0.14 | 0.00 | | 2.00 | 0.34 |
| AGE OF HOME | 18 | | 0.00 | 0.67 | 0.57 | 0.20 | 1.00 | 0.80 | 0.00 | 0.00 | 0.57 |
| EC | 17 | | 0.31 | 0.40 | 1.11 | 0.13 | 0.20 | 0.00 | 0.00 | | 0.54 |
| AG | 16 | | 0.06 | 0.84 | 0.73 | 0.71 | 1.29 | 0.00 | 0.00 | | 0.68 |
| | 15 | | | 1.02 | 0.99 | 0.58 | 0.45 | 0.86 | 0.00 | 2.00 | 0.86 |
| | 14 | | 0.33 | 0.56 | 1.31 | 0.76 | 0.93 | 0.33 | 1.00 | | 0.81 |
| | 13 | | 0.19 | 0.86 | 0.77 | 1.20 | 1.09 | 1.00 | 0.33 | | 0.58 |
| | 12 | | | 1.17 | 1.27 | 1.18 | 0.00 | 0.00 | | | 1.08 |
| | 11 | | 0.50 | 0.52 | 1.04 | 0.90 | 1.33 | | 0.00 | 4.00 | 0.69 |
| | 10 | | 0.00 | 0.65 | 1.28 | 0.54 | 0.00 | 2.00 | 2.00 | | 0.81 |
| | 9 | | 0.29 | 1.03 | 1.42 | 1.13 | 0.33 | 1.17 | | | 1.03 |
| | 8 | | 0.00 | 0.92 | 0.87 | 0.86 | 1.27 | 2.00 | 1.25 | 1.00 | 0.95 |
| | 7 | | | 0.16 | 0.82 | 0.76 | 0.60 | | 1.00 | | 0.53 |
| | 6 | | | 0.40 | 0.81 | 0.95 | 1.13 | 2.00 | 0.50 | | 0.91 |
| | 5 | | 0.00 | 0.44 | 0.61 | 0.86 | 1.13 | 0.50 | 1.50 | 2.00 | 0.75 |
| | 4 | | | 0.39 | 0.63 | 0.87 | 0.38 | 0.57 | 0.33 | | 0.65 |
| | 3 | | | 0.07 | 0.28 | 0.75 | 0.62 | 0.50 | 0.17 | | 0.35 |
| | 2 | 0.03 | 0.09 | 0.09 | 0.38 | 0.64 | 0.62 | 0.00 | 0.80 | | 0.27 |
| | 1 | 0.07 | 1.00 | | | | | | | | 0.13 |
| | TOTAL | 0.08 | 0.23 | 0.45 | 0.65 | 0.63 | 0.66 | 0.69 | 0.23 | 0.17 | 0.36 |
| NT | ER PUBLI | IC SCHO | OOLS | | | | | | | | |

Source: Byron Center Public Schools, Kent County

Single-Family Units, Cross-Referenced by Age of Home and Assessed Value

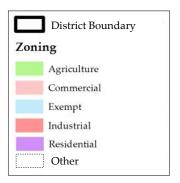
The table below shows the number of housing units within each category. This information can be used to identify any outliers in the data. For example, on the previous page, homes that are 10 years of age and are worth between \$250,000 and \$300,000 are showing a student yield of 2.00. According to this table, only one home exists within that category, meaning there happens to be 2 students coming out of that one home, which overall is an anomaly.

| | ASSESSED VALUE | | | | | | | | | | A . |
|-------------|----------------|-------|-------|--------|--------|--------|--------|--------|--------|---------|------------|
| | | FOTC | 50K - | 100K - | 150K - | 200K - | 250K - | 300K - | 25016 | N. D. | TOTAL |
| | | < 50K | 100K | 150K | 200K | 250K | 300K | 350K | > 350K | No Data | \$ |
| | 35 | | 31 | 16 | 3 | 3 | | | | 1 | 54 |
| | 34 | | 34 | 30 | 18 | 1 | | 1 | | | 84 |
| | 33 | | 19 | 61 | 10 | 7 | | | 1 | 1 | 99 |
| | 32 | | 196 | 49 | 16 | 5 | 3 | | 1 | 1 | 271 |
| | 31 | | 8 | 71 | 15 | 8 | 3 | | 2 | | 107 |
| | 30 | | 11 | 66 | 20 | 6 | 5 | 2 | | 1 | 111 |
| | 29 | | 23 | 49 | 14 | 10 | 1 | | 2 | | 99 |
| | 28 | | 29 | 51 | 20 | 11 | 4 | 5 | 2 | 1 | 123 |
| | 27 | | 28 | 73 | 15 | 12 | 3 | 2 | 2 | | 135 |
| | 26 | | 18 | 79 | 17 | 7 | 12 | 2 | | | 135 |
| | 25 | | 190 | 51 | 12 | 11 | 5 | 2 | 2 | | 273 |
| | 24 | | 52 | 80 | 15 | 13 | 5 | 1 | 1 | | 167 |
| | 23 | | 113 | 74 | 9 | 7 | 3 | 1 | 2 | | 209 |
| | 22 | | 2 | 88 | 16 | 10 | 6 | 3 | 2 | | 127 |
| | 21 | | 19 | 116 | 38 | 9 | 10 | 2 | 3 | | 197 |
| ME | 20 | | 215 | 180 | 35 | 7 | 5 | 1 | 4 | | 447 |
| AGE OF HOME | 19 | | 224 | 71 | 36 | 19 | 7 | 4 | | 1 | 362 |
|)F I | 18 | | 1 | 82 | 60 | 20 | 3 | 5 | 2 | 1 | 174 |
| E (| 17 | | 36 | 179 | 76 | 16 | 5 | 2 | 3 | | 317 |
| AG | 16 | | 35 | 76 | 113 | 34 | 7 | 2 | 1 | | 268 |
| | 15 | | | 52 | 74 | 40 | 11 | 7 | 3 | 1 | 188 |
| | 14 | | 3 | 75 | 45 | 17 | 15 | 9 | 2 | | 166 |
| | 13 | | 75 | 36 | 35 | 10 | 11 | 3 | 3 | | 173 |
| | 12 | | | 12 | 11 | 11 | 2 | 2 | | | 38 |
| | 11 | | 4 | 81 | 23 | 10 | 3 | | 1 | 1 | 123 |
| | 10 | | 2 | 31 | 18 | 13 | 2 | 2 | 1 | | 69 |
| | 9 | | 7 | 31 | 24 | 16 | 9 | 6 | | | 93 |
| | 8 | | 1 | 24 | 52 | 22 | 11 | 3 | 4 | 1 | 118 |
| | 7 | | | 75 | 57 | 29 | 15 | | 6 | | 182 |
| | 6 | | | 15 | 52 | 44 | 16 | 8 | 4 | | 139 |
| | 5 | | 1 | 25 | 57 | 42 | 23 | 2 | 4 | 1 | 155 |
| | 4 | | | 18 | 88 | 52 | 13 | 7 | 3 | | 180 |
| | 3 | | | 41 | 162 | 51 | 13 | 4 | 6 | | 277 |
| | 2 | 58 | 58 | 53 | 86 | 44 | 13 | 2 | 5 | | 319 |
| | 1 | 14 | 1 | | | | | | | | 15 |
| T | OTAL | 72 | 1,436 | 2,111 | 1,342 | 617 | 244 | 90 | 72 | 11 | 5,994 |

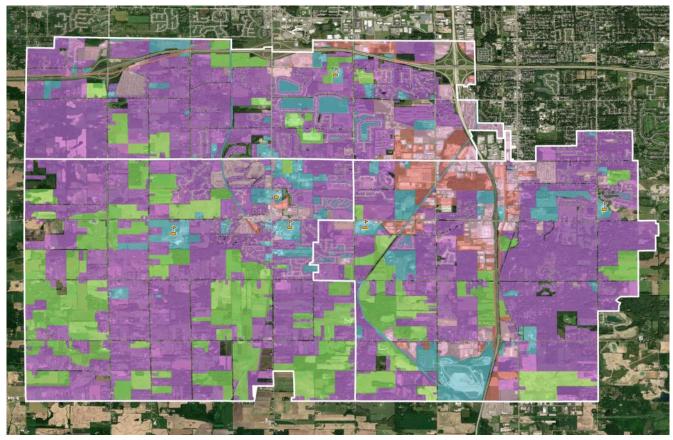
Source: Kent County

EXISTING LAND USE

Based on analysis of the zoning information provided by the Kent County GIS Department, the largest percentage of land use in the District falls in the category of residential use. District-wide, residential land use accounts for over 63,000 acres, or 86 percent. The table below lists the percentages of major land use categories in the District, and the map below shows these areas.



| Land Use Type | Acres | % Total |
|---------------|--------|---------|
| Agriculture | 4,739 | 6% |
| Commercial | 1,749 | 2% |
| Industrial | 1,008 | 1% |
| Residential | 63,347 | 86% |
| Exempt | 2,049 | 3% |
| Other | 442 | 1% |
| TOTAL | 73,334 | - |



BYRON CENTER PUBLIC SCHOOLS
STUDENT POTENTIAL ANALYSIS REPORT

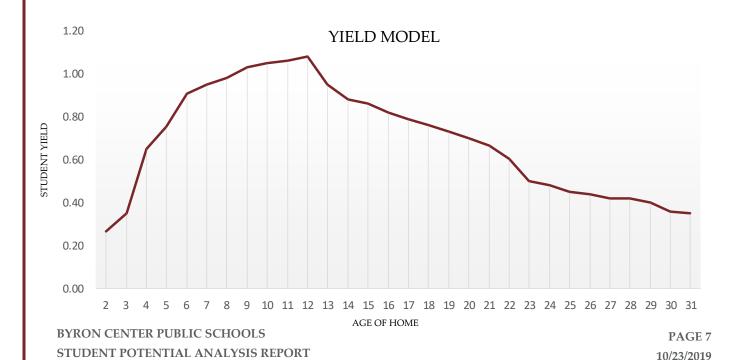
YIELD MODEL

Thirty-Year Life-Cycle

Based on the 30-year cycle findings, a student yield model was developed to "age out" existing and future subdivisions. To forecast enrollment from existing single-family homes, the yield model was applied to each unit based on the current age of the home, and then continued through the life-cycle from that point on. The yield model was also applied to all planned development and future subdivisions from vacant developable land to forecast the number of students per unit by year as they move through the life-cycle.

According to the yield model, the Byron Center Public Schools is currently and will likely continue to experience the highest student yield from homes that are between 10 and 12 years of age. This is very typical among school districts across the nation. In this model, a consistent yield of 0.35 is used beyond year 30 when a home matures. This mature yield is based on the average yield of homes older than 30, adjusted to reflect the overall yield trends within the District.

There are currently 2,090 students coming out of the existing subdivided single-family homes. Based on the their current positions in the 30-year life-cycle, these homes would mature and that number would drop to 1,127 by the year 2047.



HOUSING

Housing Stock Types

For this analysis, housing stock and land were divided into the categories below.

Existing Subdivided Single-Family Units: These are the existing single-family homes within subdivisions within the District. There are currently 3,381 units with a total of 2,090 students living within these units. All growth models assume that those units will maintain their current pace to maturity. The table on page 4 details the observed yields.

Existing Multi-Family Units: These are the existing apartments, condominiums, and townhomes within the District. Due to the transiency of multi-family living, the yield is expected to remain at 0.06 students per unit.

Existing Non-Subdivided Single-Family Units: These are the existing single-family homes that do not fall within subdivisions. There are currently 933 students living within these units. All growth models assume that those units will maintain their current pace to maturity.

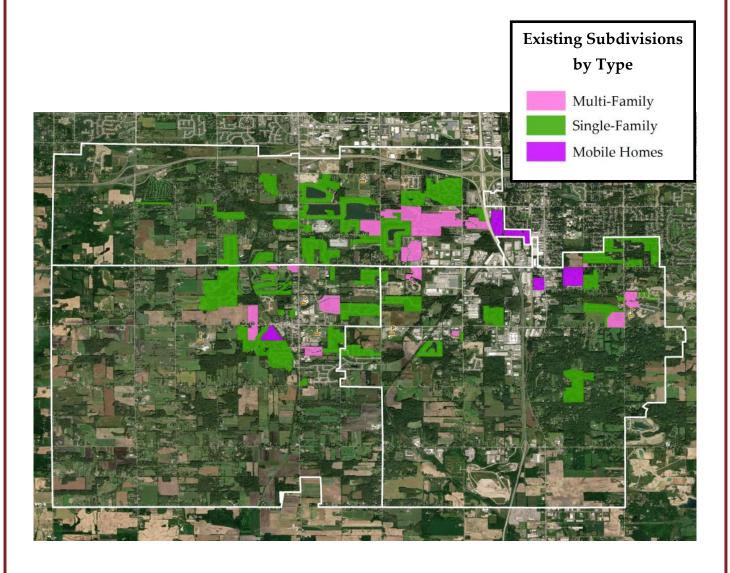
Developing Single-Family: These are planned single-family subdivisions that are in different phases of development and may or may not currently have any students residing within them. There are a total of 915 of these units and this housing type is expected to develop during and after the time that the vacant units in the existing subdivisions are occupied.

Developing Multi-Family: These are planned apartments and condominiums that are in different phases of development but do not currently have any students residing within them. There are a total of 355 units in this category and this housing type is expected to develop during and after the time that the vacant units in the existing subdivisions are occupied. A fixed student yield of 0.06 students per unit was used in the growth model.

Undeveloped Vacant Land: This is currently undeveloped parcels that are larger than 5 acres and can be expected to be developed in the future. The number of units for these tracts of land was calculated by applying 1 unit per acre to each acre. The low density of this category is to allow for roads, parks, greenspace, and utilities to be present within these future neighborhoods.

Existing Single-Family and Multi-Family Housing

The map below shows the location of the existing single-family (green), multi-family (pink), and mobile home (purple) subdivisions and complexes within the District.



The table below details the existing single-family subdivisions within the District.

| Subdivision Name | | | | | Year | Built | | | Ä | Average | | K-12 |
|----------------------------------|--|----------------|----------|--------------|--------------|--------------|--------------|----------|----|--------------------|----------------|---------|
| | E1 . D 1 | | Years to | Units | Initial | | | Median | | Assessed | Total Units | Student |
| Name | Elementary Boundary | Acreage | Build | per Year | Initial | Median | Last | Age | | Value | Units | Yields |
| BYRON COUNTRY ESTATES | Brown Elementary | 54.87 | 20 | 4.40 | 1996 | 1999 | 2016 | 21 | \$ | 157,841 | 88 | 0.61 |
| BYRON FOREST ESTATES | Brown Elementary | 10.49 | 5 | 4.20 | 1991 | 1993 | 1996 | 27 | \$ | 121,771 | 21 | 0.43 |
| HOMER COOPER PLAT | Brown Elementary | 4.25 | 56 | 0.18 | 1962 | 1969 | 2018 | 51 | \$ | 97,350 | 10 | 0.40 |
| MEADOWS WEST | Brown Elementary | 19.56 | 30 | 1.50 | 1969 | 1997 | 1999 | 23 | \$ | 115,786 | 45 | 0.44 |
| MISTY RIDGE ESTATES | Brown Elementary | 72.91 | 6 | 24.83 | 1998 | 2001 | 2004 | 19 | \$ | 135,796 | 149 | 0.82 |
| PLEASANTVIEW PLAT | Brown Elementary | 6.98 | 12 | 1.25 | 1965 | 1968 | 1977 | 52 | \$ | 95,947 | 15 | 0.80 |
| RAILSIDE WEST | Brown Elementary | 169.56 | 18 | 10.94 | 2000 | 2006 | 2018 | 14 | \$ | 238,856 | 197 | 0.71 |
| STATION'S EDGE | Brown Elementary | 8.86 | 7 | 2.71 | 2005 | 2008 | 2012 | 12 | \$ | 189,168 | 19 | 0.00 |
| WINCHESTER ESTATES | Brown Elementary | 37.67 | 12 | 7.42 | 1987 | 1994 | 1999 | 26 | \$ | 111,978 | 89 | 0.42 |
| WOODHAVEN HOMESITES | Brown Elementary | 48.92 | 94 | 1.26 | 1910 | 1975 | 2004 | 45 | \$ | 97,998 | 118 | 0.43 |
| WOODMEADOW ESTATES | Brown Elementary | 31.84 40.40 | 27 | 2.26 | 1987 | 1990 | 2014 | 30 | \$ | 133,443 | 61 | 0.38 |
| WOODRUFF ESTATES WUSTMAN PLAT | Brown Elementary Brown Elementary | 5.54 | 18 21 | 4.67 0.81 | 1988 1945 | 1992 1951 | 2006 1966 | 28 69 | \$ | 122,574 80,150 | 84 17 | 0.42 |
| BYRON GARDEN ESTATES | Countryside Elementary | 47.82 | 34 | 3.29 | 1945 | 1951 | 1966 | 38 | \$ | 94,372 | 112 | 0.94 |
| BYRON HILLS ESTATES | Countryside Elementary | 9.76 | 3 | 7.33 | 1964 | 1997 | 1998 | 23 | \$ | 116,882 | 22 | 0.29 |
| CAPEN' S POINTE SITE CONDOMINIUM | Countryside Elementary | 38.71 | 18 | 0.94 | 1999 | 2002 | 2017 | 18 | \$ | 310,350 | 17 | 0.33 |
| CARLISLE SHORES | Countryside Elementary | 38.13 | 12 | 7.00 | 2002 | 2002 | 2014 | 14 | \$ | 163,909 | 84 | 1.13 |
| CIDERMILL ESTATES | Countryside Elementary | 32.91 | 9 | 9.78 | 1995 | 1997 | 2004 | 23 | \$ | 109,887 | 88 | 0.36 |
| COOK'S CROSSING DETACHED HOMES | Countryside Elementary | 12.98 | 10 | 6.30 | 2006 | 2009 | 2016 | 11 | \$ | 124,648 | 63 | 1.06 |
| COPPERFIELD | Countryside Elementary | 57.61 | 12 | 6.75 | 2006 | 2015 | 2018 | 5 | \$ | 176,055 | 81 | 0.68 |
| CRYSTAL CREEK | Countryside Elementary | 15.02 | 10 | 3.10 | 1994 | 1997 | 2004 | 23 | \$ | 120,613 | 31 | 0.42 |
| EMERALD WOODS | Countryside Elementary | 20.62 | 8 | 3.63 | 2005 | 2007 | 2013 | 13 | \$ | 214,661 | 29 | 0.69 |
| EVELYN PLAINS | Countryside Elementary | 4.93 | 29 | 0.24 | 1966 | 1968 | 1995 | 52 | \$ | 96,743 | 7 | 1.57 |
| HIGHTREE ESTATES | Countryside Elementary | 27.04 | 13 | 4.69 | 2003 | 2004 | 2016 | 16 | \$ | 150,900 | 61 | 0.75 |
| HILLSBORO PLAT | Countryside Elementary | 34.01 | 32 | 3.03 | 1965 | 1976 | 1997 | 44 | \$ | 92,333 | 97 | 0.29 |
| MARLO FARMS | Countryside Elementary | 7.20 | 8 | 2.13 | 2005 | 2005 | 2013 | 15 | \$ | 157,869 | 17 | 0.94 |
| MONTE VISTA | Countryside Elementary | 45.62 | 90 | 0.32 | 1900 | 1972 | 1990 | 48 | \$ | 140,976 | 29 | 0.31 |
| PLANTERS COVE | Countryside Elementary | 8.87 | 3 | 5.00 | 2007 | 2009 | 2010 | 11 | \$ | 153,367 | 15 | 1.33 |
| POPLAR HOWE | Countryside Elementary | 5.01 | 37 | 0.24 | 1939 | 1965 | 1976 | 55 | \$ | 81,656 | 9 | 0.44 |
| SANDLEWOOD ESTATES | Countryside Elementary | 9.77 | 12 | 2.25 | 1991 | 1994 | 2003 | 26 | \$ | 102,941 | 27 | 0.63 |
| SHADY CREEK PLAT | Countryside Elementary | 13.57 | 16 | 3.75 | 1964 | 1976 | 1980 | 44 | \$ | 86,089 | 60 | 0.55 |
| STEVENS POINTE | Countryside Elementary | 50.95 | 15 | 8.07 | 2000 | 2003 | 2015 | 17 | \$ | 153,992 | 121 | 1.21 |
| SUNBROOK ESTATES | Countryside Elementary | 34.54 | 125 | 0.68 | 1875 | 1999 | 2000 | 21 | \$ | 102,448 | 85 | 0.76 |
| SUNSET MEADOWS | Countryside Elementary | 11.23 | 5 | 5.60 | 1981 | 1984 | 1986 | 36 | \$ | 91,329 | 28 | 0.46 |
| ARLINGTON PARK NO.1 | Marshall Elementary | 18.28 | 10 | 3.30 | 2005 | 2010 | 2015 | 10 | \$ | 190,497 | 33 | 1.33 |
| BYRON ESTATES BYRON LAKE ESTATES | Marshall Elementary | 37.90 79.31 | 20 14 | 1.60 9.14 | 1984 2004 | 1988 2010 | 2004 2018 | 33 | \$ | 128,855 223,234 | 32 128 | 0.06 |
| BYRON OAKS | Marshall Elementary Marshall Elementary | 33.32 | 13 | 3.08 | 1999 | 2010 | 2018 | 10 20 | \$ | 154,326 | 40 | 0.79 |
| BYRON WOODS | Marshall Elementary | 8.92 | 4 | 5.00 | 2007 | 2008 | 2012 | 12 | \$ | 131,290 | 20 | 1.10 |
| CUTLERVIEW PLAT | Marshall Elementary | 16.05 | 24 | 0.92 | 1964 | 1974 | 1988 | 47 | \$ | 83,984 | 22 | 0.09 |
| CUTLERVILLE ORCHARD ESTATES | Marshall Elementary | 88.84 | 12 | 15.08 | 1984 | 1988 | 1996 | 32 | \$ | 104,834 | 181 | 0.41 |
| CUTLERVILLE ORCHARD WEST | Marshall Elementary | 11.73 | 3 | 9.33 | 2001 | 2001 | 2004 | 19 | \$ | 123,967 | 28 | 0.61 |
| HOLLIE ESTATES | Marshall Elementary | 10.46 | 44 | 0.41 | 1960 | 2001 | 2004 | 20 | \$ | 115,556 | 18 | 0.61 |
| MEADOWS NORTH ESTATES | Marshall Elementary | 61.36 | 10 | 8.10 | 1999 | 2002 | 2009 | 18 | \$ | 158,003 | 81 | 0.85 |
| MESA VERDE PLAT | Marshall Elementary | 9.17 | 55 | 0.18 | 1957 | 1960 | 2012 | 60 | \$ | 102,811 | 10 | 0.30 |
| PLEASANT GLEN NO. 1 | Marshall Elementary | 26.27 | 7 | 3.71 | 1989 | 1991 | 1996 | 29 | \$ | 163,312 | 26 | 0.31 |
| PROVIDENCE COVE | Marshall Elementary | 26.24 | 4 | 7.75 | 2014 | 2014 | 2018 | 6 | \$ | 248,594 | 31 | 0.81 |
| PROVIDENCE LAKE | Marshall Elementary | 75.21 | 12 | 13.17 | 2006 | 2013 | 2018 | 7 | \$ | 218,924 | 158 | 0.96 |
| RAILSIDE | Marshall Elementary | 83.72 | 23 | 4.13 | 1991 | 1994 | 2014 | 26 | \$ | 253,690 | 95 | 0.51 |
| RUSH CREEK ESTATES | Marshall Elementary | 26.85 | 24 | 1.08 | 1988 | 1990 | 2012 | 30 | \$ | 137,804 | 26 | 0.15 |
| SIMON FARM PLAT | Marshall Elementary | 10.57 | 5 | 2.80 | 1964 | 1965 | 1969 | 55 | \$ | 91,736 | 14 | 0.43 |
| SPRINGFIELD ESTATES | Marshall Elementary | 52.58 | 8 | 14.25 | 1991 | 1993 | 1999 | 27 | \$ | 101,532 | 114 | 0.47 |
| SUNNYFIELD HILLS | Marshall Elementary | 9.14 | 47 | 0.28 | 1965 | 1973 | 2012 | 47 | \$ | 94,592 | 13 | 0.31 |
| VAN SINGEL FARMS | Marshall Elementary | 51.18 | 14 | 7.21 | 2001 | 2004 | 2015 | 16 | \$ | 208,190 | 101 | 0.50 |
| WATERS EDGE | Marshall Elementary | 31.44 | 9 | 7.56 | 2002 | 2004 | 2011 | 16 | \$ | 164,646 | 68 | 0.71 |
| WHISTLE RIDGE | Marshall Elementary | 88.11 | 19 | 7.68 | 1996 | 2002 | 2015 | 18 | \$ | 160,701 | 146 | 0.66 |

| Yield by Boundary | Yield |
|------------------------|-------|
| Brown Elementary | 0.57 |
| Countryside Elementary | 0.68 |
| Marshall Elementary | 0.62 |

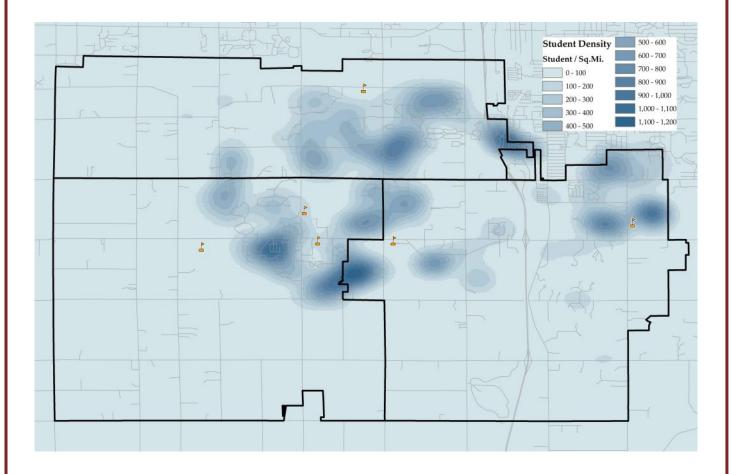
The table below details the existing multi-family complexes within the District.

| Name | Elementary Boundary | Total Units | K-12 Yield |
|---|------------------------|----------------|---------------|
| AMBER CREEK CONDOMINIUMS | Brown Elementary | 205 | 0.01 |
| BYRON FOREST CONDOMINIUM | Brown Elementary | 98 | 0.03 |
| BYRON MEADOWS CONDOMINIUMS | Brown Elementary | 103 | 0.08 |
| RAILSIDE VILLAGE | Brown Elementary | 24 | 0.08 |
| RIDGE STONE PLACE | Brown Elementary | 118 | 0.03 |
| VILLAGE WEST AT RAILSIDE | Brown Elementary | 14 | 0.14 |
| CENTER PARK | Countryside Elementary | 35 | 0.20 |
| COBBLESTONE CORNERS COTTAGES CONDOMINIUM | Countryside Elementary | 27 | 0.26 |
| COOK'S CROSSING MASTER CONDOMINIUM | Countryside Elementary | 48 | 0.02 |
| RIVENDELL ESTATES | Countryside Elementary | 8 | 0.00 |
| STEVENS POINTE TOWNHOUSES | Countryside Elementary | 34 | 0.06 |
| THE CONDOMINIUM HOMES AT STEVENS POINTE | Countryside Elementary | 86 | 0.01 |
| THE LOFTS AT CARLISE CROSSING | Countryside Elementary | 66 | 0.76 |
| AMBER ESTATES CONDOMINIUMS AKA REFLECTION LAKE CONDOMINIUMS | Marshall Elementary | 104 | 0.01 |
| AMBER FARMS | Marshall Elementary | 50 | 0.18 |
| AMBER LAKES CONDOMINIUMS | Marshall Elementary | 181 | 0.00 |
| AMBER MEADOWS CONDOMINIUMS | Marshall Elementary | 24 | 0.04 |
| AMBER RIDGE CONDOMINIUMS | Marshall Elementary | 184 | 0.00 |
| AMBER TERRACE | Marshall Elementary | 151 | 0.01 |
| BYRON HILLS CONDOMINIUM | Marshall Elementary | 41 | 0.02 |
| BYRON LAKES APARTMENTS | Marshall Elementary | 95 | 0.00 |
| THE COMMONS AT SIERRAFIELD | Marshall Elementary | 216 | 0.01 |
| THE TRAILS OF SIERRAFIELD | Marshall Elementary | 64 | 0.19 |
| TOTAL | | 1,976 | 0.06 |

| Yield by Boundary | Yield |
|------------------------|-------|
| Brown Elementary | 0.04 |
| Countryside Elementary | 0.22 |
| Marshall Elementary | 0.02 |

Student Density Map

The map below shows the student density per square mile within the District. The darker areas show higher student density and the lighter areas show lower student density.



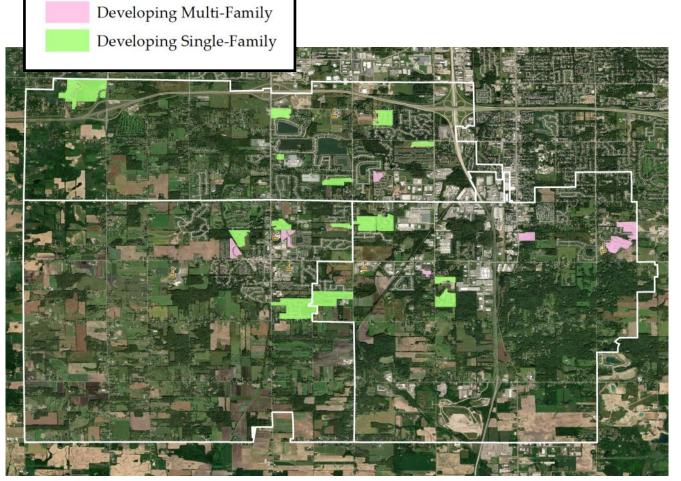
Developing Single- and Multi-Family Areas

The map and table below represent the housing development currently occurring within the District boundaries. Please note that any known age restricted (55+) communities were not included in the analysis or in the corresponding map.

| Development Name | Туре | Total Project Units | |
|--|------|------------------------|--|
| AMBER CREEK NORTH CONDOMINIUMS | MF | 12 | |
| BREWER PARK PLACE | MF | 63 | |
| CENTER PARK SOUTH | MF | 26 | |
| COBBLESTONE CORNERS WEATHERVANE SITE | MF | 95 | |
| CONDOMINIUM | IVII | 93 | |
| COOK'S CROSSING MASTER CONDOMINIUM | MF | 1 | |
| COOK'S CROSSING NORTH SITE CONDOMINIUM | MF | 45 | |
| COOK'S CROSSING SOUTH SITE CONDOMINIUM | MF | 23 | |
| JBB PLACE CONDOMINIUM | MF | 8 | |
| THE CONDOMINIUMS AT RAILVIEW | MF | 40 | |
| THE GREENS OF SIERRAFIELD | MF | 42 | |

Developing Subdivisions by Type

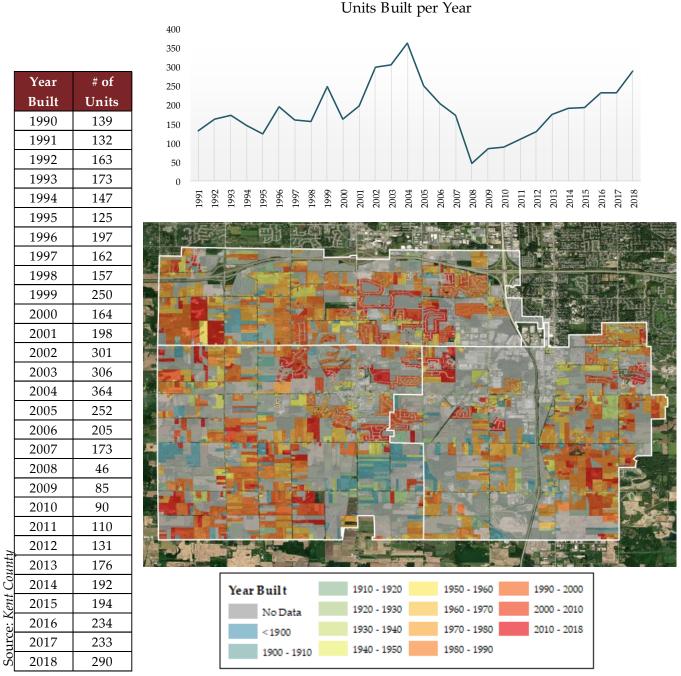
| Development Name | Туре | Total Project Units |
|--------------------------------------|------|------------------------|
| ARLINGTON PARK NO.2 | SF | 43 |
| BYRON GLEN | SF | 10 |
| CARLISLE CROSSINGS SITE CONDOMINIUMS | SF | 86 |
| CHASE FARMS | SF | 75 |
| HIDDEN RIDGE | SF | 60 |
| HIDDEN RIDGE CONDOMINIUMS | SF | 68 |
| PLANTERS RIDGE | SF | 27 |
| PLANTERS ROW | SF | 274 |
| RAILVIEW RIDGE | SF | 43 |
| ROLLING MEADOWS | SF | 74 |
| STONEGATE OF BYRON CENTER | SF | 106 |
| VILLAS AT WHISTLESTOP | SF | 29 |
| WHISTLE CREEK ESTATES | SF | 20 |



BYRON CENTER PUBLIC SCHOOLS
STUDENT POTENTIAL ANALYSIS REPORT

Housing by Year Built

The map below shows the year that homes were built within the District. The color of each parcel shows the year that the home was built. Cool colors show older homes and warm colors show newer homes, see the legend below. The corresponding table and graph shows the number of units (both single– and multi-family) built each year, ranging back to 1990.

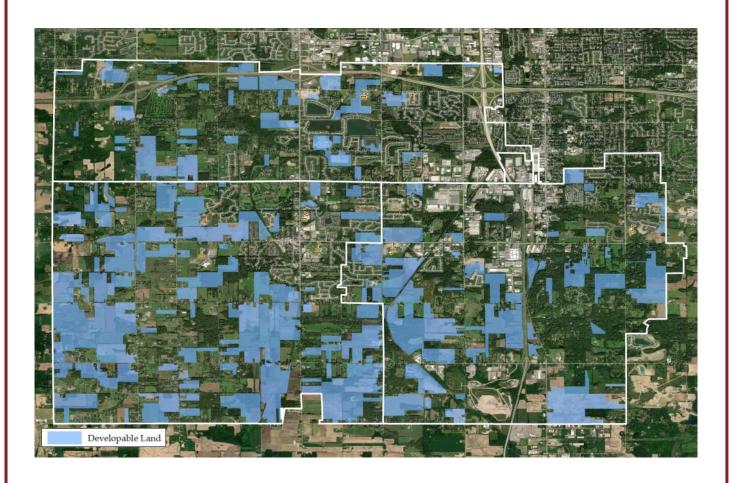


BYRON CENTER PUBLIC SCHOOLS
STUDENT POTENTIAL ANALYSIS REPORT

Building Pace for Undeveloped Land

Based on the information shown on the previous page, three different student potential scenarios were created based on different building paces. These scenarios are 150 units per year, 200 units per year, and 250 units per year. When the yield model is applied to these building paces, the total enrollment peaks and matures at different times. The map below shows the parcels identified as likely to develop. These include areas zoned for agriculture, currently vacant residential property, and currently vacant commercial property parcels that are larger than 5 acres.

Vacant Developable Land

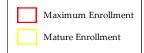


STUDENT POTENTIAL

150 Units per Year Building Pace

The table on the following two pages illustrates the complete student potential for the **150 units** / **year** building pace based on the yield model. The maximum enrollment school year is 2068 with an enrollment of 7,011; this occurs when the majority of homes are in the higher yield stages of the life cycle. The mature enrollment is in school year 2096 with an enrollment of 5,474. Both the maximum and mature enrollments assume that 150 homes will be built each year until the District is completely built-out in year 2067.

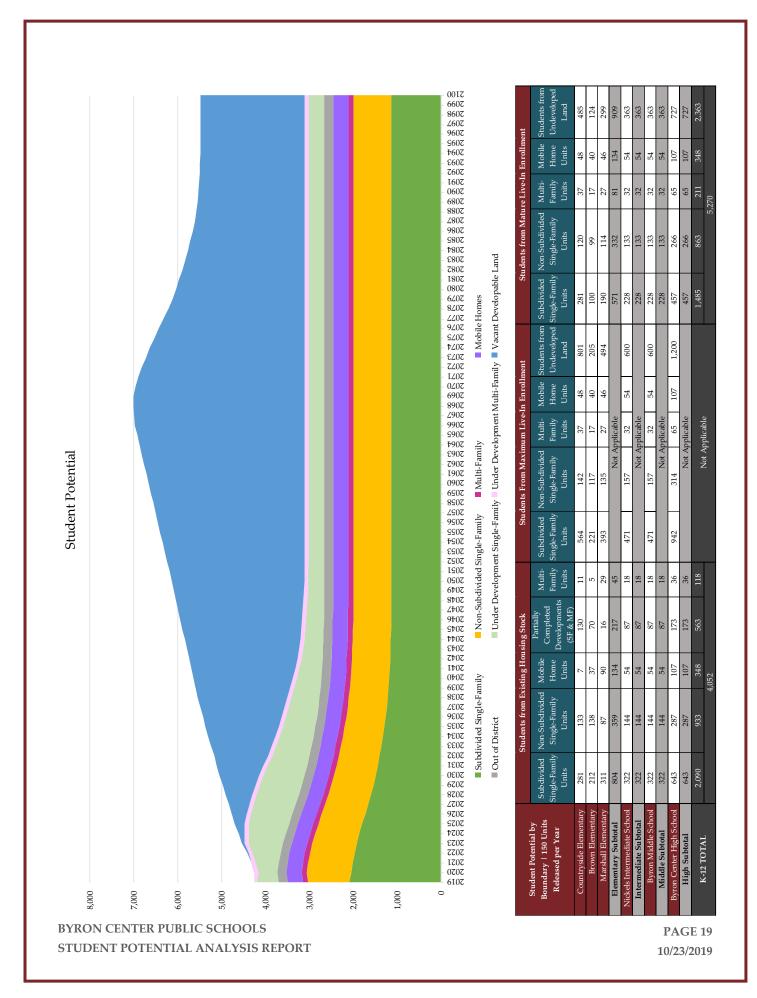
The graph on page 18 illustrates the student potential to the year 2100. Each color in the graph corresponds to a different housing type seen in the table below. The table on page 18 illustrates the current and potential number of students, broken down into the maximum number of students and the mature number of students by school for the **150 units** / **year** building pace. It should also be noted that these totals do not include the 204 students that attend the District from outside of the boundaries. It is also important to understand that the values seen in the table are based on grade level ratios distributed proportionally by the number of grades in each building.



| | | Non- | | | | Under | Under | Vacant | |
|------|---------------|---------------|--------------|--------|-----------------|---------------|--------------|-------------|-------|
| YEAR | Subdivided | Subdivided | Multi-Family | Mobile | Out of District | Development | Development | Developable | TOTAL |
| | Single-Family | Single-Family | , | Homes | | Single-Family | Multi-Family | Land | |
| 2019 | 2,090 | 933 | 118 | 348 | 204 | 491 | 72 | - | 4,256 |
| 2020 | 2,035 | 1,022 | 118 | 348 | 204 | 440 | 82 | - | 4,248 |
| 2021 | 2,006 | 1,021 | 118 | 348 | 204 | 530 | 93 | - | 4,320 |
| 2022 | 1,965 | 1,021 | 118 | 348 | 204 | 640 | 93 | 30 | 4,419 |
| 2023 | 1,916 | 1,015 | 118 | 348 | 204 | 777 | 93 | 70 | 4,541 |
| 2024 | 1,860 | 1,009 | 118 | 348 | 204 | 849 | 93 | 122 | 4,604 |
| 2025 | 1,795 | 1,000 | 118 | 348 | 204 | 916 | 93 | 220 | 4,694 |
| 2026 | 1,727 | 991 | 118 | 348 | 204 | 943 | 93 | 333 | 4,757 |
| 2027 | 1,660 | 982 | 118 | 348 | 204 | 959 | 93 | 469 | 4,833 |
| 2028 | 1,596 | 971 | 118 | 348 | 204 | 972 | 93 | 612 | 4,914 |
| 2029 | 1,534 | 960 | 118 | 348 | 204 | 963 | 93 | 759 | 4,979 |
| 2030 | 1,484 | 949 | 118 | 348 | 204 | 941 | 93 | 914 | 5,051 |
| 2031 | 1,437 | 939 | 118 | 348 | 204 | 908 | 93 | 1,071 | 5,119 |
| 2032 | 1,395 | 931 | 118 | 348 | 204 | 845 | 93 | 1,230 | 5,164 |
| 2033 | 1,357 | 924 | 118 | 348 | 204 | 805 | 93 | 1,392 | 5,241 |
| 2034 | 1,319 | 917 | 118 | 348 | 204 | 775 | 93 | 1,534 | 5,309 |
| 2035 | 1,285 | 910 | 118 | 348 | 204 | 739 | 93 | 1,666 | 5,364 |
| 2036 | 1,255 | 903 | 118 | 348 | 204 | 708 | 93 | 1,796 | 5,425 |
| 2037 | 1,229 | 897 | 118 | 348 | 204 | 676 | 93 | 1,919 | 5,484 |
| 2038 | 1,208 | 891 | 118 | 348 | 204 | 644 | 93 | 2,037 | 5,543 |
| 2039 | 1,190 | 885 | 118 | 348 | 204 | 606 | 93 | 2,151 | 5,595 |
| 2040 | 1,175 | 880 | 118 | 348 | 204 | 565 | 93 | 2,261 | 5,644 |
| 2041 | 1,162 | 876 | 118 | 348 | 204 | 519 | 93 | 2,366 | 5,686 |
| 2042 | 1,154 | 873 | 118 | 348 | 204 | 474 | 93 | 2,465 | 5,729 |
| 2043 | 1,146 | 871 | 118 | 348 | 204 | 455 | 93 | 2,556 | 5,791 |
| 2044 | 1,140 | 869 | 118 | 348 | 204 | 435 | 93 | 2,631 | 5,839 |
| 2045 | 1,135 | 867 | 118 | 348 | 204 | 422 | 93 | 2,703 | 5,891 |
| 2046 | 1,132 | 866 | 118 | 348 | 204 | 407 | 93 | 2,771 | 5,939 |
| 2047 | 1,129 | 865 | 118 | 348 | 204 | 396 | 93 | 2,837 | 5,989 |
| 2048 | 1,127 | 864 | 118 | 348 | 204 | 380 | 93 | 2,900 | 6,034 |
| 2049 | 1,127 | 863 | 118 | 348 | 204 | 365 | 93 | 2,963 | 6,082 |
| 2050 | 1,127 | 863 | 118 | 348 | 204 | 361 | 93 | 3,023 | 6,138 |
| 2051 | 1,127 | 863 | 118 | 348 | 204 | 360 | 93 | 3,077 | 6,190 |
| 2052 | 1,127 | 863 | 118 | 348 | 204 | 359 | 93 | 3,129 | 6,242 |
| 2053 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,182 | 6,294 |
| 2054 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,234 | 6,346 |
| 2055 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,287 | 6,398 |
| 2056 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,339 | 6,451 |
| 2057 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,392 | 6,503 |
| 2058 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,444 | 6,556 |
| 2059 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,497 | 6,608 |

| Maximum Enrollment |
|--------------------|
| Mature Enrollment |

| | | Non- | | | | Under | Under | Vacant | |
|------|---------------|---------------|--------------|--------|-----------------|---------------|--------------|-------------|-------|
| YEAR | Subdivided | Subdivided | Multi-Family | Mobile | Out of District | Development | Development | Developable | TOTAL |
| | Single-Family | Single-Family | | Homes | | Single-Family | Multi-Family | Land | |
| 2060 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,549 | 6,661 |
| 2061 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,602 | 6,713 |
| 2062 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,654 | 6,766 |
| 2063 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,707 | 6,818 |
| 2064 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,759 | 6,871 |
| 2065 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,812 | 6,923 |
| 2066 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,864 | 6,976 |
| 2067 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,887 | 6,998 |
| 2068 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,899 | 7,011 |
| 2069 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,899 | 7,011 |
| 2070 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,854 | 6,966 |
| 2071 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,794 | 6,905 |
| 2072 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,710 | 6,822 |
| 2073 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,620 | 6,732 |
| 2074 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,526 | 6,637 |
| 2075 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,423 | 6,535 |
| 2076 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,318 | 6,430 |
| 2077 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,212 | 6,323 |
| 2078 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,102 | 6,214 |
| 2079 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,012 | 6,124 |
| 2080 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,933 | 6,044 |
| 2081 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,856 | 5,968 |
| 2082 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,786 | 5,897 |
| 2083 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,720 | 5,831 |
| 2084 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,658 | 5,770 |
| 2085 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,601 | 5,713 |
| 2086 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,549 | 5,660 |
| 2087 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,501 | 5,613 |
| 2088 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,463 | 5,575 |
| 2089 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,441 | 5,552 |
| 2090 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,421 | 5,533 |
| 2091 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,406 | 5,518 |
| 2092 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,393 | 5,504 |
| 2093 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,382 | 5,494 |
| 2094 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,372 | 5,483 |
| 2095 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,364 | 5,476 |
| 2096 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2097 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2098 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2099 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2100 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |



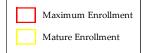
200 Units per Year Building Pace

The table on the following two pages illustrates the complete student potential for the **200 units** / **year** building pace based on the yield model. The maximum enrollment school year is 2058 with an enrollment of 7,541; this occurs when the majority of homes are in the higher yield stages of the life cycle. The mature enrollment is in school year 2085 with an enrollment of 5,492. Both the maximum and mature enrollments assume that 200 homes will be built each year until the District is completely built-out in year 2057.

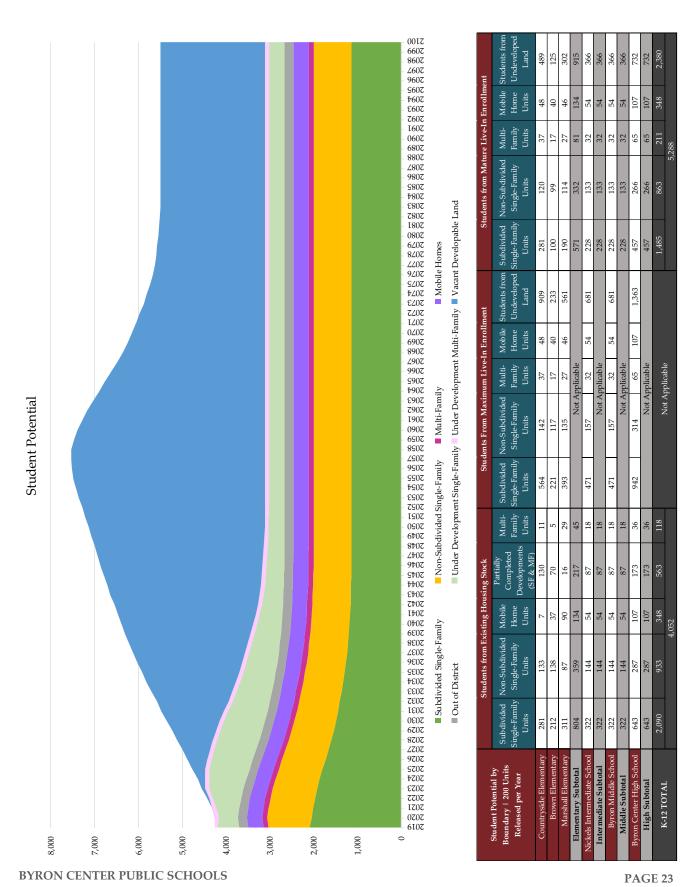
The graph on page 22 illustrates the student potential to the year 2100. Each color in the graph corresponds to a different housing type seen in the table below. The table on page 22 illustrates the current and potential number of students, broken down into the maximum number of students and the mature number of students by school for the **200 units** / **year** building pace. It should also be noted that these totals do not include the 204 students that attend the District from outside of the boundaries. It is also important to understand that the values seen in the table are based on grade level ratios distributed proportionally by the number of grades in each building.

| Maximum Enrollment |
|--------------------|
| Mature Enrollment |

| | 0 1 11 1 1 | Non- | | 26.12 | | Under | Under | Vacant | |
|------|---------------|---------------|--------------|--------|-----------------|---------------|--------------|-------------|-------|
| YEAR | Subdivided | Subdivided | Multi-Family | Mobile | Out of District | Development | Development | Developable | TOTAL |
| | Single-Family | Single-Family | | Homes | | Single-Family | Multi-Family | Land | |
| 2019 | 2,090 | 933 | 118 | 348 | 204 | 491 | 72 | - | 4,256 |
| 2020 | 2,035 | 1,022 | 118 | 348 | 204 | 440 | 82 | - | 4,248 |
| 2021 | 2,006 | 1,021 | 118 | 348 | 204 | 530 | 93 | - | 4,320 |
| 2022 | 1,965 | 1,021 | 118 | 348 | 204 | 640 | 93 | 40 | 4,429 |
| 2023 | 1,916 | 1,015 | 118 | 348 | 204 | 777 | 93 | 93 | 4,565 |
| 2024 | 1,860 | 1,009 | 118 | 348 | 204 | 849 | 93 | 163 | 4,645 |
| 2025 | 1,795 | 1,000 | 118 | 348 | 204 | 916 | 93 | 293 | 4,767 |
| 2026 | 1,727 | 991 | 118 | 348 | 204 | 943 | 93 | 444 | 4,868 |
| 2027 | 1,660 | 982 | 118 | 348 | 204 | 959 | 93 | 626 | 4,990 |
| 2028 | 1,596 | 971 | 118 | 348 | 204 | 972 | 93 | 816 | 5,118 |
| 2029 | 1,534 | 960 | 118 | 348 | 204 | 963 | 93 | 1,012 | 5,232 |
| 2030 | 1,484 | 949 | 118 | 348 | 204 | 941 | 93 | 1,218 | 5,356 |
| 2031 | 1,437 | 939 | 118 | 348 | 204 | 908 | 93 | 1,428 | 5,476 |
| 2032 | 1,395 | 931 | 118 | 348 | 204 | 845 | 93 | 1,640 | 5,574 |
| 2033 | 1,357 | 924 | 118 | 348 | 204 | 805 | 93 | 1,856 | 5,705 |
| 2034 | 1,319 | 917 | 118 | 348 | 204 | 775 | 93 | 2,046 | 5,820 |
| 2035 | 1,285 | 910 | 118 | 348 | 204 | 739 | 93 | 2,222 | 5,919 |
| 2036 | 1,255 | 903 | 118 | 348 | 204 | 708 | 93 | 2,394 | 6,024 |
| 2037 | 1,229 | 897 | 118 | 348 | 204 | 676 | 93 | 2,558 | 6,124 |
| 2038 | 1,208 | 891 | 118 | 348 | 204 | 644 | 93 | 2,716 | 6,222 |
| 2039 | 1,190 | 885 | 118 | 348 | 204 | 606 | 93 | 2,868 | 6,312 |
| 2040 | 1,175 | 880 | 118 | 348 | 204 | 565 | 93 | 3,014 | 6,397 |
| 2041 | 1,162 | 876 | 118 | 348 | 204 | 519 | 93 | 3,154 | 6,474 |
| 2042 | 1,154 | 873 | 118 | 348 | 204 | 474 | 93 | 3,287 | 6,551 |
| 2043 | 1,146 | 871 | 118 | 348 | 204 | 455 | 93 | 3,408 | 6,643 |
| 2044 | 1,140 | 869 | 118 | 348 | 204 | 435 | 93 | 3,508 | 6,716 |
| 2045 | 1,135 | 867 | 118 | 348 | 204 | 422 | 93 | 3,604 | 6,792 |
| 2046 | 1,132 | 866 | 118 | 348 | 204 | 407 | 93 | 3,694 | 6,862 |
| 2047 | 1,129 | 865 | 118 | 348 | 204 | 396 | 93 | 3,782 | 6,935 |
| 2048 | 1,127 | 864 | 118 | 348 | 204 | 380 | 93 | 3,866 | 7,001 |
| 2049 | 1,127 | 863 | 118 | 348 | 204 | 365 | 93 | 3,950 | 7,069 |
| 2050 | 1,127 | 863 | 118 | 348 | 204 | 361 | 93 | 4,030 | 7,145 |
| 2051 | 1,127 | 863 | 118 | 348 | 204 | 360 | 93 | 4,102 | 7,216 |
| 2052 | 1,127 | 863 | 118 | 348 | 204 | 359 | 93 | 4,172 | 7,285 |
| 2053 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,242 | 7,354 |
| 2054 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,312 | 7,424 |
| 2055 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,382 | 7,494 |
| 2056 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,412 | 7,524 |
| 2057 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,429 | 7,541 |
| 2058 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,429 | 7,541 |
| 2059 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,369 | 7,481 |



| | | Non- | | | | Under | Under | Vacant | |
|------|---------------|---------------|--------------|--------|-----------------|---------------|--------------|-------------|-------|
| YEAR | Subdivided | Subdivided | Multi-Family | Mobile | Out of District | Development | | Developable | TOTAL |
| | Single-Family | Single-Family | , | Homes | | Single-Family | Multi-Family | Land | |
| 2060 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,288 | 7,400 |
| 2061 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,177 | 7,288 |
| 2062 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,057 | 7,168 |
| 2063 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,931 | 7,042 |
| 2064 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,794 | 6,906 |
| 2065 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,654 | 6,766 |
| 2066 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,512 | 6,624 |
| 2067 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,367 | 6,478 |
| 2068 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,247 | 6,358 |
| 2069 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,141 | 6,252 |
| 2070 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,038 | 6,150 |
| 2071 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,944 | 6,056 |
| 2072 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,856 | 5,968 |
| 2073 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,774 | 5,886 |
| 2074 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,698 | 5,810 |
| 2075 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,628 | 5,740 |
| 2076 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,565 | 5,677 |
| 2077 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,514 | 5,626 |
| 2078 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,484 | 5,596 |
| 2079 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,458 | 5,570 |
| 2080 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,438 | 5,550 |
| 2081 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,420 | 5,532 |
| 2082 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,406 | 5,518 |
| 2083 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,392 | 5,504 |
| 2084 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,382 | 5,494 |
| 2085 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2086 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2087 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2088 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2089 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2090 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2091 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2092 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2093 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2094 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2095 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2096 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2097 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2098 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2099 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |
| 2100 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,380 | 5,492 |



STUDENT POTENTIAL ANALYSIS REPORT

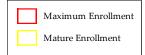
PAGE 23 10/23/2019

250 Units per Year Building Pace

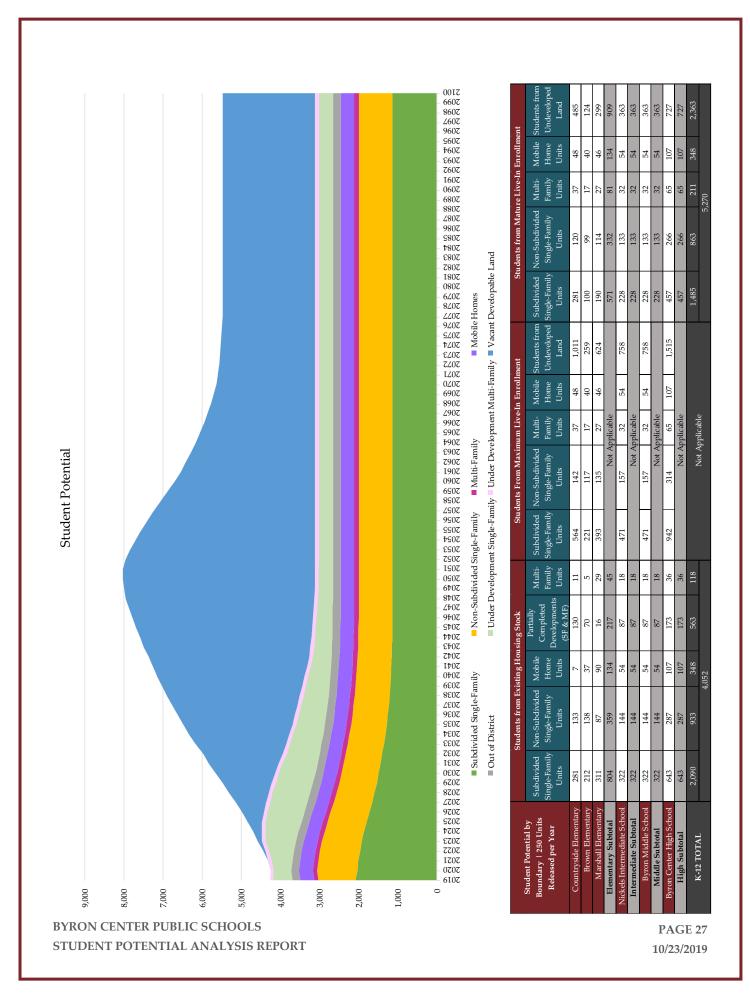
The table on the following two pages illustrates the complete student potential for the **250 units** / **year** building pace based on the yield model. The maximum enrollment school year is 2051 with an enrollment of 8,037; this occurs when the majority of homes are in the higher yield stages of the life cycle. The mature enrollment is in school year 2078 with an enrollment of 5,474. Both the maximum and mature enrollments assume that 250 homes will be built each year until the District is completely built-out in year 2050.

The graph on page 26 illustrates the student potential to the year 2100. Each color in the graph corresponds to a different housing type seen in the table below. The table on page 26 illustrates the current and potential number of students, broken down into the maximum number of students and the mature number of students by school for the **250 units** / **year** building pace. It should also be noted that these totals do not include the 204 students that attend the District from outside of the boundaries. It is also important to understand that the values seen in the table are based on grade level ratios distributed proportionally by the number of grades in each building.

| | | Non- | | | | Under | Under | Vacant | |
|------|---------------|---------------|-----------------|--------|------------------|---------------|--------------|-------------|--------|
| YEAR | Subdivided | Subdivided | Multi-Family | Mobile | Out of District | | Development | Developable | TOTAL |
| | Single-Family | Single-Family | Tyrunci running | Homes | out of 2 istrict | Single-Family | Multi-Family | Land | 101112 |
| 2019 | 2,090 | 933 | 118 | 348 | 204 | 491 | 72 | - | 4,256 |
| 2020 | 2,035 | 1,022 | 118 | 348 | 204 | 440 | 82 | - | 4,248 |
| 2021 | 2,006 | 1,021 | 118 | 348 | 204 | 530 | 93 | - | 4,320 |
| 2022 | 1,965 | 1,021 | 118 | 348 | 204 | 640 | 93 | 50 | 4,439 |
| 2023 | 1,916 | 1,015 | 118 | 348 | 204 | 777 | 93 | 117 | 4,588 |
| 2024 | 1,860 | 1,009 | 118 | 348 | 204 | 849 | 93 | 204 | 4,685 |
| 2025 | 1,795 | 1,000 | 118 | 348 | 204 | 916 | 93 | 367 | 4,841 |
| 2026 | 1,727 | 991 | 118 | 348 | 204 | 943 | 93 | 555 | 4,979 |
| 2027 | 1,660 | 982 | 118 | 348 | 204 | 959 | 93 | 782 | 5,146 |
| 2028 | 1,596 | 971 | 118 | 348 | 204 | 972 | 93 | 1,019 | 5,322 |
| 2029 | 1,534 | 960 | 118 | 348 | 204 | 963 | 93 | 1,264 | 5,485 |
| 2030 | 1,484 | 949 | 118 | 348 | 204 | 941 | 93 | 1,523 | 5,660 |
| 2031 | 1,437 | 939 | 118 | 348 | 204 | 908 | 93 | 1,785 | 5,833 |
| 2032 | 1,395 | 931 | 118 | 348 | 204 | 845 | 93 | 2,050 | 5,984 |
| 2033 | 1,357 | 924 | 118 | 348 | 204 | 805 | 93 | 2,320 | 6,169 |
| 2034 | 1,319 | 917 | 118 | 348 | 204 | 775 | 93 | 2,557 | 6,332 |
| 2035 | 1,285 | 910 | 118 | 348 | 204 | 739 | 93 | 2,777 | 6,475 |
| 2036 | 1,255 | 903 | 118 | 348 | 204 | 708 | 93 | 2,993 | 6,622 |
| 2037 | 1,229 | 897 | 118 | 348 | 204 | 676 | 93 | 3,198 | 6,763 |
| 2038 | 1,208 | 891 | 118 | 348 | 204 | 644 | 93 | 3,395 | 6,901 |
| 2039 | 1,190 | 885 | 118 | 348 | 204 | 606 | 93 | 3,585 | 7,029 |
| 2040 | 1,175 | 880 | 118 | 348 | 204 | 565 | 93 | 3,768 | 7,151 |
| 2041 | 1,162 | 876 | 118 | 348 | 204 | 519 | 93 | 3,943 | 7,263 |
| 2042 | 1,154 | 873 | 118 | 348 | 204 | 474 | 93 | 4,109 | 7,373 |
| 2043 | 1,146 | 871 | 118 | 348 | 204 | 455 | 93 | 4,261 | 7,495 |
| 2044 | 1,140 | 869 | 118 | 348 | 204 | 435 | 93 | 4,386 | 7,593 |
| 2045 | 1,135 | 867 | 118 | 348 | 204 | 422 | 93 | 4,506 | 7,693 |
| 2046 | 1,132 | 866 | 118 | 348 | 204 | 407 | 93 | 4,618 | 7,786 |
| 2047 | 1,129 | 865 | 118 | 348 | 204 | 396 | 93 | 4,728 | 7,880 |
| 2048 | 1,127 | 864 | 118 | 348 | 204 | 380 | 93 | 4,833 | 7,967 |
| 2049 | 1,127 | 863 | 118 | 348 | 204 | 365 | 93 | 4,888 | 8,007 |
| 2050 | 1,127 | 863 | 118 | 348 | 204 | 361 | 93 | 4,921 | 8,036 |
| 2051 | 1,127 | 863 | 118 | 348 | 204 | 360 | 93 | 4,924 | 8,037 |
| 2052 | 1,127 | 863 | 118 | 348 | 204 | 359 | 93 | 4,849 | 7,961 |
| 2053 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,748 | 7,860 |
| 2054 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,609 | 7,720 |
| 2055 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,459 | 7,570 |
| 2056 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,301 | 7,413 |
| 2057 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 4,130 | 7,242 |
| 2058 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,955 | 7,067 |
| 2059 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,778 | 6,889 |



| | 0 1 11 1 1 | Non- | | N. 1.11 | | Under | Under | Vacant | |
|------|---------------|---------------|--------------|---------|-----------------|---------------|--------------|-------------|-------|
| YEAR | Subdivided | Subdivided | Multi-Family | Mobile | Out of District | Development | Development | Developable | TOTAL |
| | Single-Family | Single-Family | | Homes | | Single-Family | Multi-Family | Land | |
| 2060 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,596 | 6,707 |
| 2061 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,446 | 6,557 |
| 2062 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,313 | 6,425 |
| 2063 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,185 | 6,297 |
| 2064 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 3,068 | 6,179 |
| 2065 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,958 | 6,069 |
| 2066 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,855 | 5,967 |
| 2067 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,760 | 5,872 |
| 2068 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,673 | 5,784 |
| 2069 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,594 | 5,706 |
| 2070 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,530 | 5,642 |
| 2071 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,493 | 5,604 |
| 2072 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,460 | 5,572 |
| 2073 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,435 | 5,547 |
| 2074 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,413 | 5,524 |
| 2075 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,395 | 5,507 |
| 2076 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,378 | 5,489 |
| 2077 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,365 | 5,477 |
| 2078 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2079 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2080 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2081 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2082 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2083 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2084 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2085 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2086 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2087 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2088 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2089 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2090 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2091 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2092 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2093 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2094 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2095 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2096 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2097 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2098 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2099 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |
| 2100 | 1,127 | 863 | 118 | 348 | 204 | 358 | 93 | 2,363 | 5,474 |



CONCLUSION

As with any projection, the District should review any updated information including land annexation plans, zoning, planned and active housing development, student enrollment trends, and student location data.

Cooperative Strategies is pleased to have had the opportunity to provide the District with this student potential analysis. We hope this document will provide the necessary information to make informed decisions about the future of the Byron Center Public Schools.