MEMORANDUM

To: Olympia School District
111 Bethel Street NE
Olympia, WA 98506

Date: August 30, 2023

Project No.: F2512.01.001

From: Kate Doiron, Senior GIS Analyst/Project Manager

Charles Rynerson, Senior Data Analyst

Re: 2023–24 to 2032–33 Enrollment Forecasts Report—Olympia School District

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At the request of Olympia School District (District), FLO Analytics (FLO) prepared enrollment forecasts for grades kindergarten (K) through 12 for the 2023–24 to 2032–33 school years. The study was completed through three main tasks: (1) demographic and residential development analysis, (2) enrollment assessment, and (3) enrollment forecasting. FLO developed three scenarios (low, middle, and high) of district-wide enrollment forecasts, representing the total number of students living within and outside the district boundary and attending district schools and programs. These forecasts are provided as district-wide totals and by individual grade. FLO also prepared more granular forecasts of the number of students enrolled at each of the District's elementary, middle, and high schools and special programs.

Demographic and Residential Development Analysis

Understanding the population and housing trends within the geographic area of the district and surrounding region (Figure 1) is an integral part of the enrollment forecasting process. FLO mapped the distribution of student residences (Figure 2); reviewed historical, current, and projected demographic characteristics of the region; and analyzed current land use policies and anticipated residential development.

Population Trends

Figure 3 illustrates the 2000 to 2020 population change for Thurston County, Cities of Olympia and Tumwater, the District, and the District unincorporated areas. The county grew, adding about 44,900 residents in the 2000s and an additional 42,500 in the 2010s, resulting in an average of 1.8 percent annually over the 20-year period. The District grew at a slightly slower rate than the county each decade. Adding roughly 7,300 residents in the 2000s and 9,300 in the 2010s, the District grew by a 1.3 percent annual rate in the 20-year period. Figure 4 depicts how the proportion of the population under the age of 18 has been changing in relation to the population over the age of 18. According to decennial census counts, the District added 14,853 residents (1.5 percent annually) aged 18 and older between 2000 and 2020. In comparison, the population under the age of 18 was only 1,717 greater in 2020 than in 2000, annual growth of 0.7 percent. The proportion of District population under the age of 18 was 23 percent in 2000, 21 percent in 2010, and 20 percent in 2020.

The Washington Office of Financial Management published population projections (low, medium, and high series) for Thurston County in December 2022. The medium series projection results in Figure 5 show the County adding approximately 38,000 residents each decade between 2020 and 2040, a slower rate of growth than between 2000 and 2020. However, as the population base increases each decade, the average annual growth rate decreases to 1.1 percent in the 2030s. Population within the Olympia School District grows by 1.0 percent annually between 2020 and 2030, declining to 0.8 percent annually between 2030 and 2040, a lower overall growth rate than the County.

Housing Types and Student Generation Rates

Housing type is an important indicator of the expected average number of students generated per housing unit. For instance, on average, single-family (SF) housing units generate more students per unit than multifamily (MF) housing units. Factors that contribute to student generation rates (SGR), or yields, include the size of the housing units, the number of bedrooms, housing costs, neighborhood demographics, and family-friendly amenities such as playgrounds.

SGRs vary by geographic location in the district and by housing subtypes (e.g., SF detached, SF attached, MF market rate, MF income-restricted). Generally, we estimate district-wide SGRs for the two most common housing types (i.e., SF and MF). Figure 6 includes the SF and MF SGRs based on new residential construction between 2017 and 2021. Homes built in 2022 are excluded from the analysis, because they may not have been completed and occupied by October 2022. We found an average of 0.53 District K-12 students per single-family home and 0.07 students per multifamily home.

Planned Residential Construction

FLO gathered data from the planning departments of Thurston County and the Cities of Olympia and Tumwater to assess residential housing trends within the district. Key development data are presented in Figures 7 and 8. Figure 7 depicts the locations of SF and MF developments that are currently in active construction or in planning stages. Figure 8 includes details of residential development data gathered by FLO such as development name, anticipated number of units, and current status. Information obtained for the County and the Cities of Olympia and Tumwater indicates that residential construction will result in approximately 1,800 new units in developments that are currently underway or planned.

Proposed development within the district boundary consists primarily of MF developments, including notable developments like the Copper Grove Apartments (252 units), Lansdale Pointe (162 units), and 3900 Boulevard development (123 units). There is one large SF development planned at the Green Cove Park Subdivision (177 units). The potentially high number of MF units combined with the low SGR (Figure 6) for MF units means smaller numbers of students will live in these units in the future. However, income-restricted MF developments that include two or more-bedroom units are likely to be home to significantly more school-age residents than market-rate MF developments.

Enrollment Assessment

To better understand recent enrollment trends, FLO analyzed historical enrollment (October 2016–17 to 2022–23 headcount) based on the enrollment reports and student information system extracts (SIS) provided by the District. Students enrolled in preschool, transitional kindergarten, and full-time Running Start were not included within our analyses and enrollment forecasts. FLO evaluated historical grade progression ratios (GPRs), participation in special or nontraditional programs, and differences in enrollment by residence compared to individual school attendance (i.e., transfer rates).

Enrollment Trends

Figure 9 shows the district-wide enrollment by individual grade. District-wide enrollment increased by 54 students between 2017–18 and 2019–20 then decreased considerably in 2020–21 (421 fewer students), largely due to the impacts of COVID-19. Enrollment remained consistent in 2021–22 (9 fewer students) before decreasing again in 2022–23 (105 fewer students). The highest enrollment for most grades occurred in the 2018–19 and 2019–2020 school years. With the exception of tenth grade, enrollment in every grade has declined since 2018-19.

Figure 10 tabulates enrollment by grade group and school. Elementary school (ES) enrollment increased between 2017–18 and 2019–20 (59 more students), followed by a significant decrease in 2020–21, largely due to impacts associated with COVID-19. ES enrollment declined further in 2021–22 before an increase in 2022–23. Middle school (MS) enrollment increased between 2017–18 and 2019–20 (26 more students). MS enrollment decreased in between 2020–21 and 2022–23 (96 fewer students), with 2022–23 having the lowest MS enrollment over the entire period. High school (HS) enrollment decreased between 2017–18 and 2019–20 (31 fewer students). HS enrollment increased between 2020–21 and 2022–23 (29 more students).

Enrollment Forecasts: Summary

- Figure 11 presents historical and middle scenario forecast births and K and K-to-birth ratios.
- Figure 12 includes K forecasts and K-to-birth ratios for the low, middle, and high scenarios.
- Figure 13 presents GPRs.
- Figure 14 is an overview of the annual district-wide low, middle (preferred), and high forecast scenarios. The middle scenario total of 8,496 students in 2032–33 depicts a K–12 decrease of 983 students (10.4 percent), from the 2022–23 total of 9,479. The high forecast anticipates a decrease of 203 students (2.1 percent) over the 10-year horizon, while the low forecast anticipates a decrease of 1,679 (17.7 percent).
- Figures 15 to 17 focus on the middle scenario, as it represents the most likely enrollment outcomes based on currently available data and the FLO analysis.
  - Figure 15 disaggregates the annual district-wide forecasts by grade group, showing the following 10-year growth from 2022–23 to 2032–33.
    - K–5 enrollment from 3,977 to 3,494 (12.1 percent decrease)
    - 6–8 enrollment from 2,140 to 1,917 (10.4 percent decrease)
    - 9–12 enrollment from 3,362 to 3,085 (8.2 percent decrease)
  - Figure 16 provides annual district-wide enrollment forecasts by individual grade.
  - Figure 17 provides forecasts of students enrolled in each of the District's schools.
- Figures 18 and 19 provide annual district-wide enrollment by individual grade for the low and high forecast scenarios, respectively.

Enrollment Forecasts: Detailed Results

Historical Births and Kindergarten Enrollment

The number of students enrolled in a district is largely influenced by the number of school-aged children residing in the district. We compared historical birth data (i.e., live births to Olympia School

District residents from the Washington Department of Health) to historical K class sizes to determine annual K-to-birth ratios (i.e., the number of kindergarteners who enrolled in Olympia School District in comparison to the number of live births to women residing in the district). These values, in combination with age-group-specific population projections of childbearing-aged women residing in the district, allow us to forecast the number of anticipated births to Olympia School District residents, and thus, the number of kindergarteners anticipated in future school years.

Figure 11 illustrates how the number of births to District residents through 2016–17 relates to historical K enrollment, and how the observed and forecasted number of births from 2017–18 to 2026–27 impacts the K forecast. District births between 2011–12 and 2017–18 aligned with historical K enrollment from 2017-18 to 2022-23 averaged 635 per year. K enrollment averaged 653 students per year from 2017–18 to 2022–23, including a low of 571 in 2021–22, a recovery to 612 in 2021–22, and then a decrease to 576 in 2022–23. A key metric is the annual K-to-birth ratio, representing a combination of net migration between birth and age five and the share of five-year-old residents enrolled in Olympia School District K classes, often referred to as a "capture rate." Ratios for the District were consistently at or above 1.07 from 2017–18- to 2019–20, indicating that many more families with young children moved into the district than out of it during that time, which more than makes up for area kindergarten-aged residents who are homeschooled or enrolled in private schools or other districts. Ratios for the District have been below 0.97 from 2020–21 to 2022–23. Figure 11 also shows that a decrease in births has contributed to decreased K enrollment, and that births have continued to decrease after the 2016–17 birth year that is aligned with the current school year.

Figure 12 illustrates how different rates of population growth and K-to-birth ratios may result in divergent scenarios of future K enrollment. The number of future births differs slightly between the low, middle, and high scenarios based on the population of women in child-bearing ages; adjusting the K-to-birth ratios amplifies the differences in K enrollment. In the low scenario the ratio initially falls to 0.93 in 2023–24, and then stabilizes at 0.95 in 2025–26 and beyond. The lower ratio results in between 19 and 35 fewer K students each year, significantly impacting the K–12 totals as fewer students progress through grade levels. Conversely, the high forecasts of 17 to 34 more K students each year result from a forecast ratio gradually increasing from 0.99 in 2023–24 to 1.05 in 2027–28 and beyond.

Grade Progression Ratios

The progression of students from one grade to the next is a significant determinant of future enrollment, and therefore plays a significant role in FLO's forecasting process. FLO assesses how cohort sizes change over time by calculating GPRs—the ratio of enrollment in a specific grade in a given year to the enrollment of the same age cohort in the previous year. For instance, if 100 kindergarteners in 2017 were to become 105 1st graders in 2018, the GPR would be 1.05. GPRs quantify how cohort sizes change as students progress to subsequent grades, by considering that not all students advance to the next grade and that new students join existing cohorts. A GPR value greater than 1.00 indicates that the student cohort increased in size from one grade to the next. Such a result may be due to students moving into the district or students choosing to transfer into the district from other districts or nonpublic schools. Conversely, a GPR value less than 1.00 indicates that the student cohort decreased in size from one grade to the next. This may be due to students moving out of the district, students choosing to transfer to other districts or nonpublic schools, or students not advancing to the next grade.

Figure 13 depicts the GPRs for all K–12 students enrolled in the District from 2017–18 to 2022–23. In each year, except 2020–21, GPRs for most grades have consistently been above 1.00, indicating

that the District sees a net gain of students by cohort. During the three years prior to the COVID-19 pandemic, cohorts progressing from 8th to 9th grade had the highest average GPR (1.20), due in part to students enrolling from Griffin School District for high school. ES and MS grades GPRs ranged between 0.99 and 1.03. After the enrollment loss in 2020–21 characterized by GPRs below 1.00, GPRs returned to pre-COVID levels in the two most recent years, 2021–22 and 2022–23. Students taking all their junior and senior courses through Running Start account for the lower GPRs for 10th to 11th and 11th to 12th grades. The final three columns in Figure 14 show our assumptions for future GPRs in the middle scenario enrollment forecast. GPRs for cohorts entering all grades except 11th and 12th are above 1.00, but slightly lower than historical averages.

District-wide Enrollment Forecasts

As shown in Figure 14, district-wide enrollment is forecasted to decrease from 9,479 in 2022–23 to 8,496 in 2032–33. FLO expects district-wide enrollment to decrease through 2032–33 (an average of 100 fewer students per year) in response to less current enrollment in lower grades and declining births. The expectation is that births will steadily decrease between 2023 and 2027 as a response to declining birth rates. This will act to introduce a succession of comparatively smaller K cohorts between 2027–28 and 2032–33. Forecasts for grade level groups K–5 (ES), 6–8 (MS), and 9–12 (HS) under the middle scenario are presented in the chart and table in Figure 15. Although forecasted GPRs are slightly above 1.00, these smaller cohorts will lead to 350 fewer ES students between 2022–23 and 2027–28 followed by 133 fewer ES students over the latter half of the forecast period. While there will be some year-to-year variation, FLO anticipates a 50-student decline in MS enrollment by 2027–28 followed by 173 fewer students over the remainder of the forecast period. HS enrollment is expected to follow a similar trajectory to that of MS enrollment with 38 fewer students over the first half of the forecast period, followed by 239 fewer students between 2027–28 and 2032–33. FLO anticipates 983 fewer K–12 students over the 10-year forecast horizon.

The middle scenario forecasts are presented by individual grades in Figure 16. Low and high scenario forecasts are presented by individual grade in Figures 18 and 19. The low scenario could result from steeper declines in birth rates, fewer completed housing developments, and smaller GPRs, while the high scenario could result from an increase in birth rates and a recovery to historical GPRs.

Individual School Enrollment Forecasts

Figure 17 shows enrollment forecasts for the District's schools. Different rates of growth among the schools result from the current cohort of students coming up through the grades over time and from different levels of expected housing growth within their current AAs. For example, LP Brown initially loses K-5 enrollment because its 5th grade class was much larger than other grades in the 2022–23 school year. Its enrollment subsequently stabilizes because of its potential to gain students from several of the future housing developments that we listed in Figure 8. Future enrollments at middle and high schools are impacted by the size of cohorts currently in their feeder schools. For example, 7th and 8th grade classes at Washington MS in 2022–23 were larger than the incoming classes expected from their feeders, resulting in relatively large enrollment losses in 2023–24 and 2024–25.

Methodology

District-wide Population and Enrollment Forecasts

To prepare the 10-year forecasts from 2023–24 to 2032–33, FLO forecasts births through 2026–27. The birth forecasts depend on population forecasts by age and sex and age-specific birth rates for women of childbearing age. Birth rates estimated for 2020 resulted in a total fertility rate (TFR) estimate of 1.14, having declined from 1.46 in 2010. Based on the long-term trend and a downturn in births observed in 2022, TFR is expected to decline further, to 1.03 in 2030.[1] Cohort change ratios (CCRs) based on historic trends are used to forecast 2030 population age 10 and older by five-year age group and sex.[2] Forecasts of population under age 10 in 2030 based on ratios of population to births are added, resulting in 2020 to 2030 population growth of 5,041 in the low scenario, 6,715 in the middle scenario, and 8,294 in the high scenario, compared with 9,315 between 2010 and 2020.

The link between our population forecast and the Olympia School District district-wide school enrollment forecast occurs at kindergarten, where we use the forecast of births through 2026–27 and the K-to-birth ratios described previously in the Historical Births and Kindergarten Enrollment section (within Enrollment Forecasts – Detailed Results). Forecasts for grades 1–12 use GPRs based initially on the three-year pre-COVID average (school years 2017–18, 2018–19, and 2019–20) GPRs embed implicit assumptions about the level of net migration and choices such as enrollment in secondary schools and participation in full-time Running Start.

Forecasts for Individual Schools

Forecasts for each ES start with their base year (2022-23) enrollment by grade level. New K classes each forecast year are initially based on average shares of district-wide K adjusted for the number of additional K students expected based on housing growth. Initial forecasts for grades 1–5 use GPRs unique to each school and grade using a formula based on historical pre-COVID and district-wide GPRs, individually reviewed with respect to outliers and recent (2022–23) GPRs. Initial forecasts for grades 1–5 are also adjusted using expected enrollment impacts of housing growth. Final ES forecasts are controlled to match the middle scenario district-wide forecasts by grade.

Forecasts for entry grades 6th for MS and 9th for HS initially use GPRs based on the historical relationship between the entry grade and each secondary school's 5th grade and 8th grade feeders. For example, the ratio of 6th grade at Marshall MS to the previous year's 5th grade at Hansen and McLane ES. Subsequent grades 7–8 for MS and 10–12 use GPRs specific to each school and grade. Final MS and HS forecasts are controlled to match the middle scenario district-wide forecasts by grade.

[1] TFR is the number of children that would be born to a woman over her child-bearing years, based on age-specific birth rates at a given time.
[2] Baker, Jack, David A. Swanson, Jeff Tayman, and Lucky M. Tedrow. *Cohort change ratios and their applications*. Springer International Publishing, 2017.

Data Sources

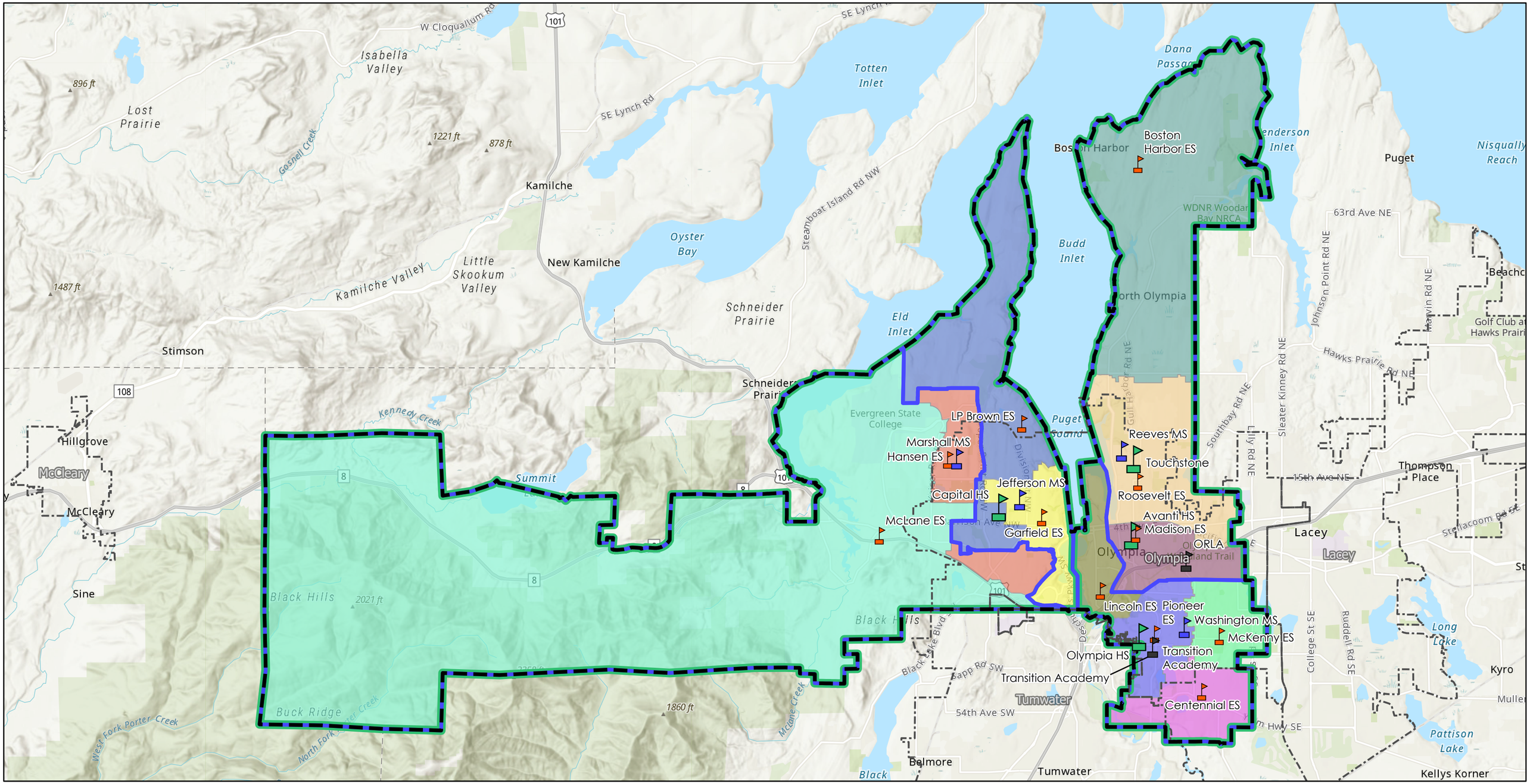
FLO used the following data sources to inform the enrollment forecasts:

- Decennial Census and American Community Survey, U.S. Census Bureau
- Birth data, Washington Department of Health
- Population estimates and forecasts, Washington Office of Financial Management
- Population forecasts, Thurston Regional Planning Council
- Enrollment data, Olympia School District / Public Schools
- Land use data, Thurston County, Cities of Olympia and Tumwater
- Property characteristics, Thurston County Assessor's Office
- Interview, Joyce Phillips, City of Olympia Principal Planner
- Email, Alex Baruch, City of Tumwater Associate Planner
- Spatial data, Thurston County GIS

Accuracy

Enrollment projections and forecasts are expected values based on assessment of current and past data, and as such, should be considered as just one of several planning tools, rather than absolute numbers for the allocation of future resources. Unlike measurable data, such as the results of a survey, projections and forecasts do not allow for the estimation of a confidence interval to measure accuracy. The best way to measure error is to compare actual enrollment with previously prepared projections or forecasts that were conducted using similar data and methodologies. Finally, when considering confidence and accuracy, the appropriate use of projections and forecasts includes an understanding that there is likely to be some degree of variation from the anticipated values. It is important that stakeholders monitor and manage the changing conditions that will affect future populations, and that projections or forecasts be updated either at a regular frequency, or when deviation of actual enrollment from the projections or forecasts is significant.

Figure 1: District Overview



FLO Analytics

N

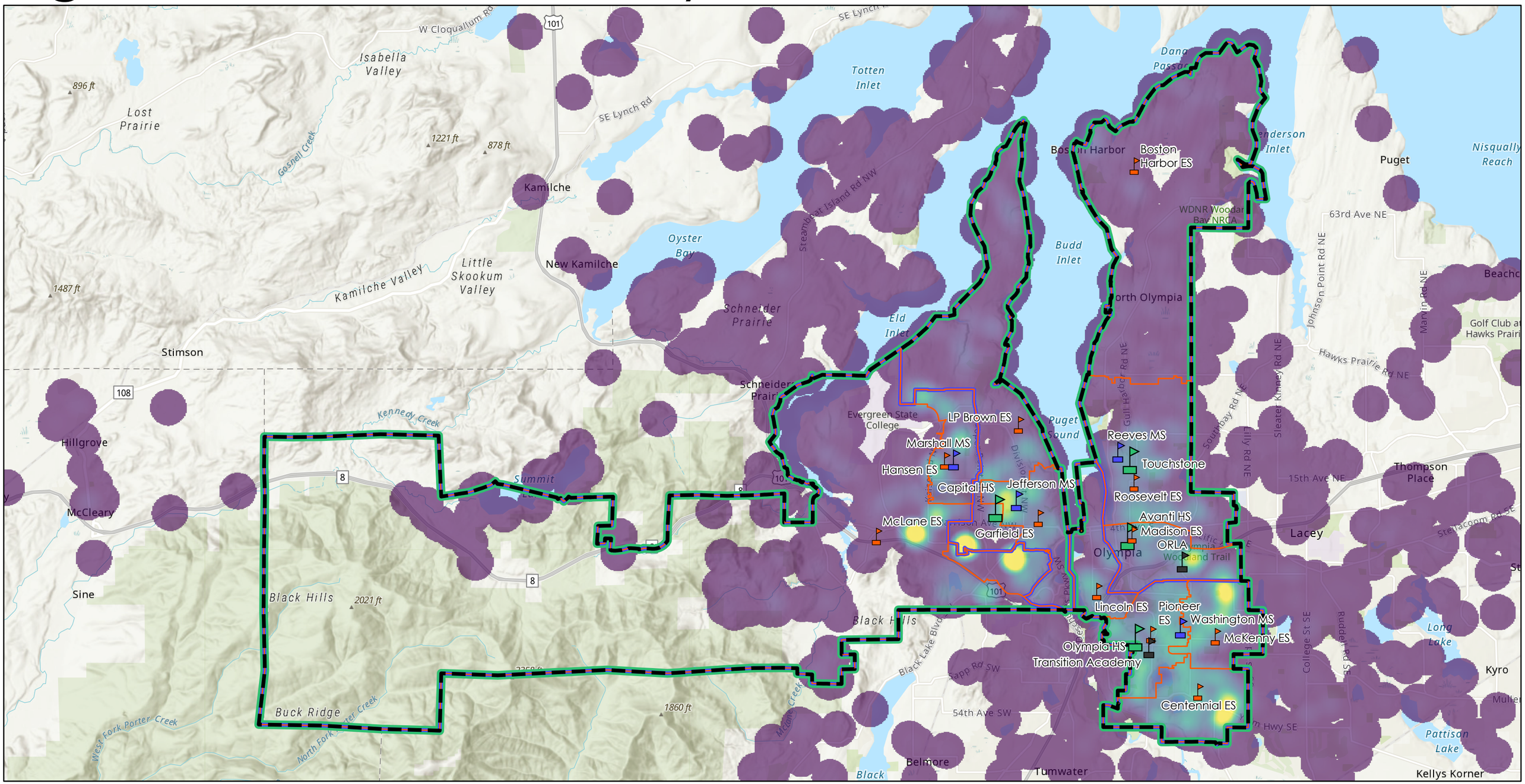
0 0.5 1 2 Miles

School Locations
- Elementary School (ES)
- Middle School (MS)
- High School (HS)
- Other
- District Boundary

- Middle School Attendance Area
- High School Attendance Area
- City Limits

Elementary School Attendance Areas

Figure 2: Student Density



FLO Analytics

N

0 0.5 1 2 Miles

School Locations
- Elementary School (ES)
- Middle School (MS)
- High School (HS)
- Other
- District Boundary
- Middle School Attendance Area
- Elementary School Attendance Area
- High School Attendance Area

Student Density
- Sparse
- Dense

Figure 3: County, District, and City Population: 2000 to 2020

	2000	2010	2020	Average Annual Growth	
				2000–2010	2010–2020
Thurston County	207,355	252,264	294,793	2.0%	1.6%
Olympia School District*	54,501	61,756	71,071	1.3%	1.4%
City of Olympia (part)	37,166	42,692	49,550	1.4%	1.5%
City of Tumwater (part)	837	1,083	1,087	2.6%	0.0%
OSD Unincorporated Area	16,498	17,981	20,434	0.9%	1.3%

Source: U.S. Census Bureau, 2000, 2010, and 2020 Censuses.

*2000 Population of OSD aggregated from census blocks by FLO Analytics due to error in Census Bureau boundaries.

Figure 4: District Population by Age Group: 2000 to 2020

	2000	2010	2020	Average Annual Growth	
				2000–2010	2010–2020
Total Population	54,501	61,756	71,071	1.3%	1.4%
Age 18 and over	42,193	49,048	57,046	1.5%	1.5%
Under age 18	12,308	12,708	14,025	0.3%	1.0%
Under 18 share of total	23%	21%	20%	--	--

Source: U.S. Census Bureau, 2000, 2010, and 2020 Censuses.

Figure 5: County and District Population Projections

	2020	2030	2040	Average Annual Growth	
				2020–2030	2030–2040
Thurston County Low Series	294,793	303,770	331,889	0.4%	0.9%
Thurston County Medium Series	294,793	333,783	371,542	1.6%	1.1%
Thurston County High Series	294,793	363,211	409,440	2.6%	1.2%
Olympia School District*	70,940	76,990	83,680	1.0%	0.8%

Sources: State of Washington, Office of Financial Management, Growth Management Act County Projections, December 2022; Thurston Regional Planning Council, Small Area Population Estimates and Population and Employment Forecast, 2018 Update.

*2020 population estimate prepared before 2020 Census results were published.

Figure 6: Student Generation Rates

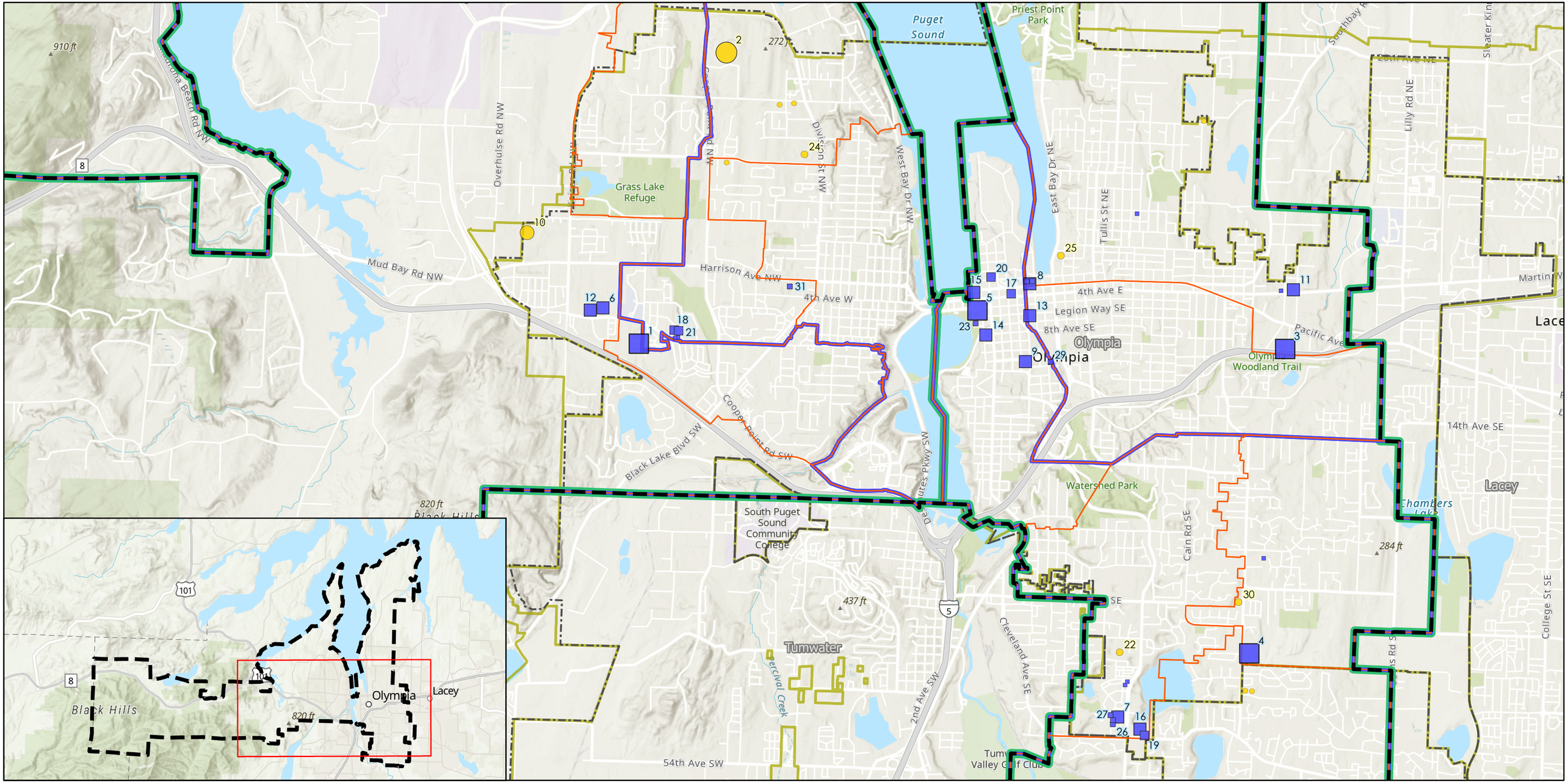
2022–23 District K–12 Students per Housing Unit Built 2017–2021

Housing Type	K–5	6–8	9–12	K–12 Total
Single-family	0.25	0.11	0.17	0.53
Multifamily[1]	0.04	0.02	0.02	0.07

Figure 6 sources: Olympia School District October 2022 Student Information System enrollment, Thurston County GIS parcel areas, and Thurston County Assessor housing unit data with year built 2017–2021.

1. Multifamily includes the following building styles: condo, duplex, triplex, fourplex, and townhouse.

Figure 7: Residential Development



FLO Analytics

N

0 0.5 1 2 Miles

- District Boundary
- Elementary School Attendance Area
- Middle School Attendance Area
- High School Attendance Area
- City Limits
- Urban Growth Area

Single-family Units
- ≤ 25
- 26 - 50
- 51 - 100
- ≥ 101

Multifamily Units
- ≤ 25
- 26 - 50
- 51 - 100
- ≥ 101

Label
Correspond to Map IDs on Figure 8.

Developments with less than 5 total units are not labeled.

Single-family and multifamily units provided by local planning departments.

Figure 8: Residential Development

Map ID	Source	Development Name	Type	Total Units	Status/Timeline	Address	ESAA	Affordable
1	City of Olympia	Copper Grove Apartments (Inland Emplire)	MF	252	Proposed	3909 9TH AVE SW	Hansen ES	Yes
2	City of Olympia	Green Cove Park Subdivision	SF	177	Returned for Revision	2200 COOPER POINT RD NW BLK	LP Brown ES	No
3	City of Olympia	Lansdale Pointe	MF	162	Returned for Revision	911 BURR RD SE LOT	Roosevelt ES	Yes
4	City of Olympia	3900 Boulevard - Habitat for Humanity	MF	123	Proposed	3900 BOULEVARD RD SE	McKenny ES	Yes
5	City of Olympia	Water Street Apartments	MF	107	In Review	221 5TH AVE SW	Lincoln ES	No
6	City of Olympia	7th Ave Multifamily	MF	84	Proposed	3440 7TH AVE SW	McLane ES	Yes
7	City of Olympia	Briggs RE Development, LP	MF	80	Returned for Revision	4505 MAPLE LN SE SITE	Pioneer ES	No
9	City of Olympia	401 Union Avenue Apartments	MF	70	Ready	401 UNION AVE SE 3PLX	Lincoln ES	No
10	City of Olympia	Harrison Avenue Subdivision	SF	70	Revision Review	NO SITUS ADDRESS	McLane ES	No
11	City of Olympia	2828 Martin Way E - Phase 2	MF	64	Permit Issued	111 PATTISON ST NE	Roosevelt ES	No
12	City of Olympia	FSCSS Olympia	MF	62	Under Construction	620 FIELDSTONE DR SW	McLane ES	Yes
13	City of Olympia	Malt House	MF	57	Under Construction	505 LEGION WAY SE	Madison ES	No
14	City of Olympia	Terrace on Columbia	MF	56	Permit Issued	798 COLUMBIA ST SW PRKG	Lincoln ES	No
15	City of Olympia	Madrone	MF	56	Completed	120 WATER ST NW	Lincoln ES	Yes
16	City of Olympia	Silver Leaf Phase III Building (E)	MF	52	Permit Issued	4540 HENDERSON BLVD SE #E BLDG	Pioneer ES	No
17	City of Olympia	Old 99	MF	48	Pending	306 4TH AVE E	Lincoln ES	No
18	City of Olympia	The GOAT MultiFamily - Apartment Building A	MF	48	Permit Issued	3311 6TH AVE SW #A BLDG	LP Brown ES	No
19	City of Olympia	Silver Leaf Residences Phase III Building (D)	MF	46	Permit Issued	4560 HENDERSON BLVD SE #D BLDG	Pioneer ES	No
20	City of Olympia	MARKET FLATS	MF	44	Under Construction	302-310 CAPITOL WAY N BLDG	Lincoln ES	No
21	City of Olympia	The GOAT Apartments - Apartment Building B	MF	32	Permit Issued	3311 6TH AVE SW #B BLDG	LP Brown ES	No
22	City of Olympia	Middle Street Townhomes Subdivision	SF	19	Returned for Revision	1515 MIDDLE ST SE LOT	Pioneer ES	No

Figure 8: Residential Development

23	City of Olympia	Water Street Condos	MF	18	In Review	NO SITUS ADDRESS	Lincoln ES	No
24	City of Olympia	The Orchard Subdivision	SF	17	Revision Review	2210 WALNUT RD NW	LP Brown ES	No
25	City of Olympia	Budd Bay Landing Subdivision	SF	17	Revision Review	507 PEAR ST NE	Roosevelt ES	No
26	City of Olympia	BRIGGS TOWN CENTER APTS	MF	15	Completed	4530 BRIGGS DR SE	Pioneer ES	No
27	City of Olympia	BRIGGS TOWN CENTER APARTMENTS	MF	9	Completed	4526 BRIGGS DR SE	Pioneer ES	No
28	City of Olympia	BRIGGS TOWN CENTER APARTMENTS	MF	9	Completed	4514 BRIGGS DR SE	Pioneer ES	No
29	City of Olympia	Trestle Union Apartments	MF	7	In Review	710 11TH AVE SE	Lincoln ES	No
30	City of Olympia	Boulevard Park	SF	7	Returned for Revision	3437 BOULEVARD RD SE	McKenny ES	No
31	City of Olympia	The Harrison Avenue Building	MF	6	Pending	2309 HARRISON AVE NW	LP Brown ES	No
32	City of Olympia	Phase 2: Westman Mill Townhomes, Building A	MF	6	Permit Issued	510 STATE AVE NE #101A	Roosevelt ES	No
33	City of Olympia	Phase 2: Westman Mill Townhomes, Building B	MF	6	Permit Issued	510 STATE AVE NE #101B	Roosevelt ES	No
34	City of Olympia	Lot I Karen Frazier	SF	5	Permit Issued	1819 KAREN FRAZIER RD SE	McKenny ES	No
35	Thurston County		SF	4	Final Map Review		Centennial ES	No
36	Thurston County		SF	4	Issued		Centennial ES	No
37	City of Olympia	BRIGGS VILLAGE WEST 4PLEX	MF	4	Completed	4244 MAPLE ST SE LOT	Pioneer ES	No
38	City of Olympia	Francis House on Martin Way	MF	4	Permit Issued	2766 MARTIN WAY E BLDG	Roosevelt ES	No
39	City of Olympia	Miller Short Plat	SF	4	Returned for Revision	2022 MILLER AVE NE LOT	Roosevelt ES	No
40	City of Olympia	NATOLA PROPERTIES LLC	MF	4	Revision Review	2805 30TH AVE SE	McKenny ES	No
41	City of Olympia	WARNOCK, BRENNON	SF	3	In Review	2421 20TH AVE NW	LP Brown ES	No
42	City of Olympia	OAKRIDGE HOMES II LTD	MF	3	Returned for Revision	1553 HARVEST AVE SE	Pioneer ES	No
43	City of Olympia	5DASH5 HOLDINGS LLC - 14th Ave Short Plat	SF	2	Issued	2621 14TH AVE NW	Garfield ES	No

Figure 8: Residential Development

44	City of Olympia	The GOAT Apartments - Carriage House 1	MF	2	Permit Issued	3311 6TH AVE SW #D BLDG	LP Brown ES	No
45	City of Olympia	The GOAT Apartments - Carriage House 2	MF	2	Permit Issued	3311 6TH AVE SW #B BLDG	LP Brown ES	No
46	City of Olympia	NORTH, RAYMOND A & KIMBERLEY C	MF	2	Permit Issued	1023 MARION ST NE	Roosevelt ES	No
47	City of Olympia	INGERSOLL, MARK	MF	2	Returned for Revision	2341-2345 ELLIOTT AVE NW DPLXM	LP Brown ES	No

Figure 9: Historical Enrollment by Grade

Grade	2017–18	2018–19	2019–20	2020–21	2021–22	2022–23	2017–18 to 2022–23
K	700	706	753	571	612	576	-124
1	664	738	700	693	609	635	-29
2	696	677	757	669	684	630	-66
3	780	706	679	742	659	692	-88
4	726	771	720	645	736	674	-52
5	773	751	789	704	639	770	-3
6	711	769	752	753	712	652	-59
7	752	736	764	728	763	731	-21
8	760	766	733	755	730	757	-3
9	890	921	914	855	935	865	-25
10	848	891	911	907	845	912	64
11	870	766	802	808	837	798	-72
12	790	814	740	763	823	787	-3
District-wide Total	**9,960**	**10,012**	**10,014**	**9,593**	**9,584**	**9,479**	**-481**

Olympia School District October 2017–18 to 2022–23 enrollment (headcount) by grade. Enrollment values omit students enrolled in full-time Running Start and preschool. The lowest and highest enrollment values per grade are highlighted blue and orange, respectively.

Figure 10: Historical Enrollment by School and Grade Group

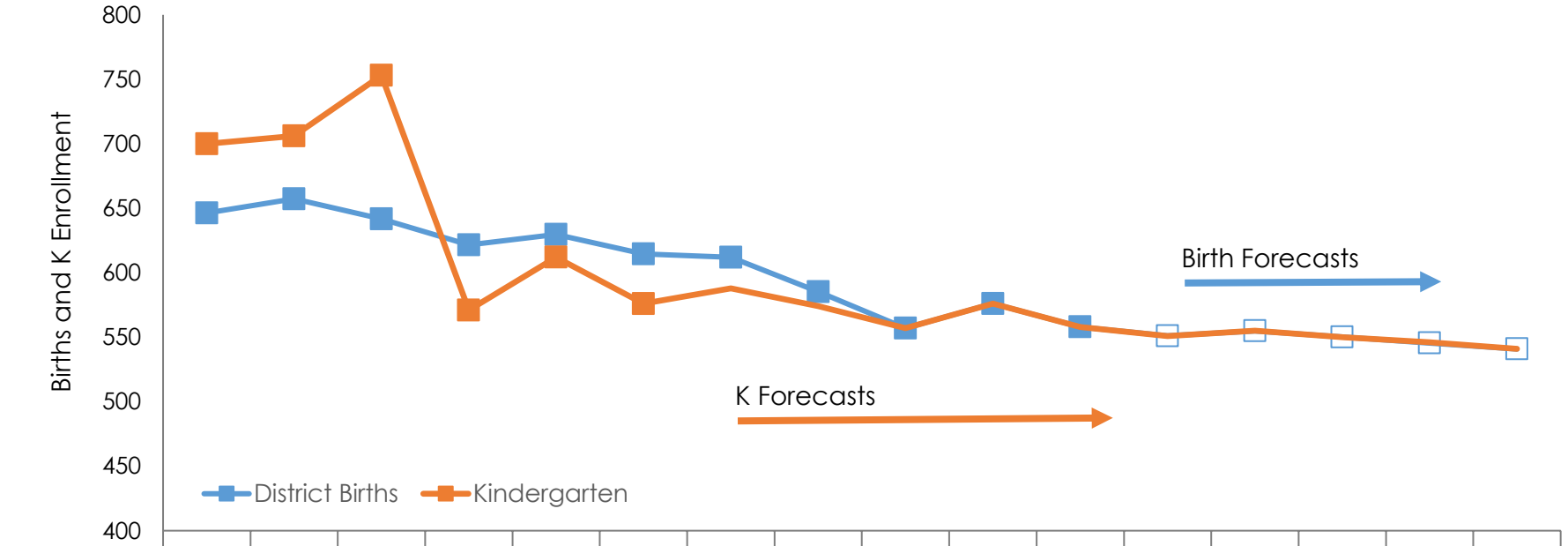
School Name	2017–18	2018–19	2019–20	2020–21	2021–22	2022–23	2017–18 to 2022–23
Boston Harbor ES	168	177	191	184	185	179	11
Centennial ES	533	516	530	486	454	482	-51
Garfield ES	365	366	372	328	287	300	-65
Hansen ES	450	468	493	457	434	456	6
Lincoln ES	283	291	286	273	244	270	-13
LP Brown ES	380	372	373	346	322	317	-63
Madison ES	239	230	257	248	204	199	-40
McKenny ES	356	350	342	318	269	275	-81
McLane ES	302	341	364	327	371	413	111
Pioneer ES	439	457	454	393	377	385	-54
Roosevelt ES	413	404	394	361	367	386	-27
Jefferson MS (grade 5)	1	0	0	0	0	0	-1
Marshall MS (grade 5)	1	3	1	0	0	0	-1
Washington MS (grade 5)	2	0	0	0	0	0	-2
ORLA	407	374	341	303	425	315	-92
K–5 Total	**4,339**	**4,349**	**4,398**	**4,024**	**3,939**	**3,977**	**-362**
Jefferson MS	434	471	481	468	458	448	14
Marshall MS	384	413	423	416	447	443	59
Reeves MS	444	438	398	414	373	395	-49
Washington MS	812	799	798	792	759	749	-63
Olympia HS (grade 8)	0	0	1	0	0	0	0
ORLA	149	150	148	146	168	105	-44
6–8 Total	**2,223**	**2,271**	**2,249**	**2,236**	**2,205**	**2,140**	**-83**
Capital HS	1,377	1,336	1,305	1,298	1,330	1,276	-101
Olympia HS	1,773	1,782	1,816	1,790	1,792	1,811	38
Avanti HS	146	169	157	162	182	178	32
ORLA	102	105	89	83	136	97	-5
9–12 Total	**3,398**	**3,392**	**3,367**	**3,333**	**3,440**	**3,362**	**-36**
District-wide Total	**9,960**	**10,012**	**10,014**	**9,593**	**9,584**	**9,479**	**-481**

Olympia School District October 2017–18 to 2022–23 enrollment (headcount) by school and grade group. Enrollment values omit students enrolled in full-time Running Start and preschool. The lowest and highest enrollment values per school are highlighted blue and orange, respectively.

Figure 11: District Births and Kindergarten Enrollment

Birth Year	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20-21	21-22	Forecasts → 22-23	23-24	24–25	25–26	26–27
Births	646	657	642	622	630	615	612	585	557	576	558	551	555	550	546	541

School Year	17–18	18–19	19–20	20–21	21–22	22–23	Forecasts → 23–24	24–25	25–26	26–27	27–28	28–29	29–30	30–31	31–32	32–33
Kindergarten	700	706	753	571	612	576	588	574	557	576	558	551	555	550	546	541
Ratio to Births	1.08	1.07	1.17	0.92	0.97	0.94	0.96	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

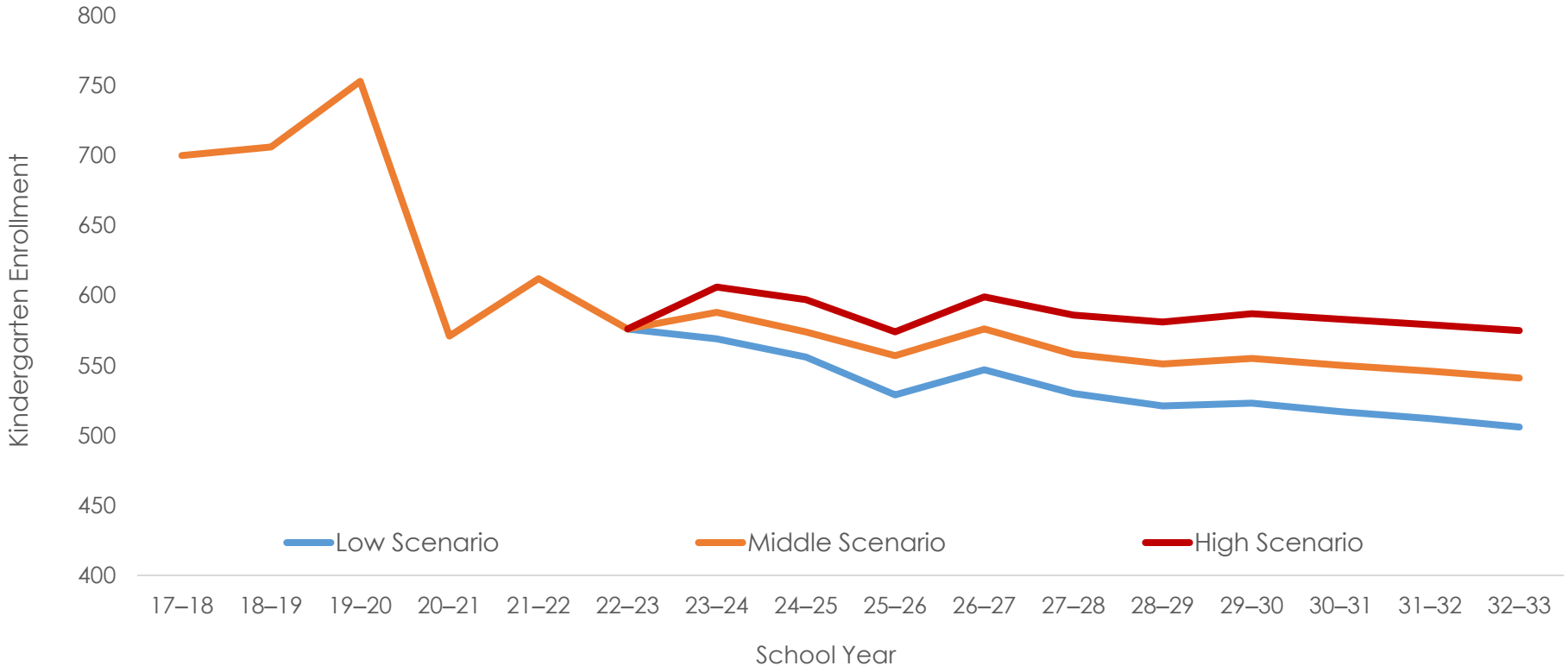


Birth Year	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	24–25	25–26	26–27
School Year	17–18	18–19	19–20	20–21	21–22	22–23	23–24	24–25	25–26	26–27	27–28	28–29	29–30	30–31	31–32	32–33

Births to mothers residing within the district boundary from the Washington Dept. of Health for 2012 to 2022 and historical and forecasted students enrolled at district schools in the 2017–18 to 2027–28 school years, including students residing outside of the district boundary. Birth cohorts are aligned with kindergarten cohorts (e.g., the 11–12 birth year represents births from September 2011 to August 2012, the 17–18 kindergarten year). The ratio is calculated by dividing each K enrollment by the births five years earlier (e.g., October 2017–18 K divided by 2011–12 births). Births from 2023 to 2027, which inform K classes beginning with the 2028–29 school year, were forecasted based on projections of women of childbearing age and estimated age-specific birth rates.

Figure 12: Kindergarten Enrollment and Ratio to Births

	K Enrollment						Forecasts →									
Scenario	**17–18**	**18–19**	**19–20**	**20–21**	**21–22**	**22–23**	**23–24**	**24–25**	**25–26**	**26–27**	**27–28**	**28–29**	**29–30**	**30–31**	**31–32**	**32–33**
Low						576	569	556	529	547	530	521	523	517	512	506
Ratio to Births						0.94	0.93	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Middle	700	706	753	571	612	576	588	574	557	576	558	551	555	550	546	541
Ratio to Births	1.08	1.07	1.17	0.92	0.97	0.94	0.96	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
High						576	606	597	574	599	586	581	587	583	579	575
Ratio to Births						0.94	0.99	1.02	1.03	1.04	1.05	1.05	1.05	1.05	1.05	1.05



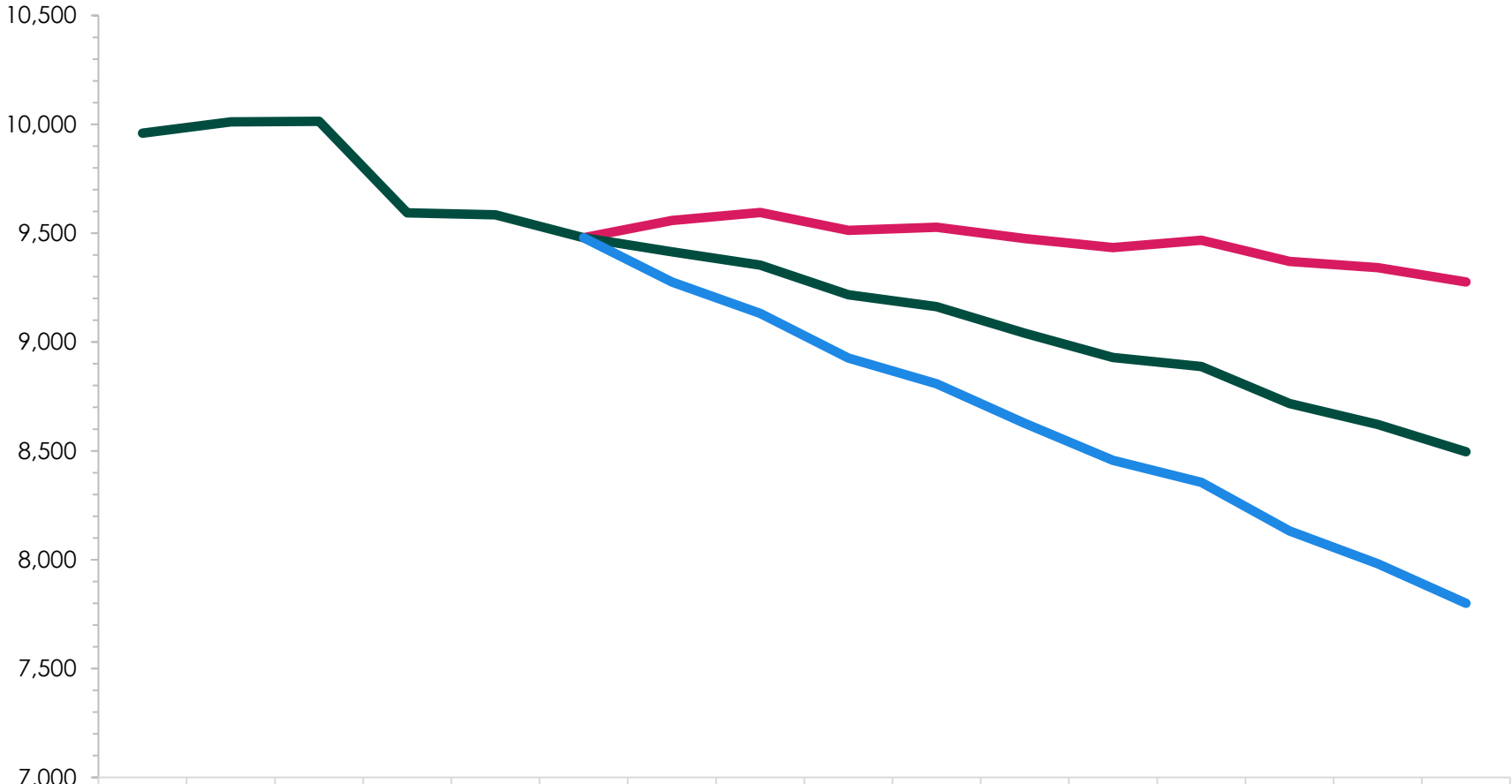
Historical kindergarten students attending Olympia School District schools in the 2017–18 to 2022–23 school years and forecasts of kindergarten enrollment for low, middle, and high scenarios. Transitional kindergarten is not included. The ratios are calculated by dividing each K enrollment by the birth five years earlier (e.g., October 2017–18 K divided by 2011–12 births).

Figure 13: Grade Progression Ratios

Grade Progression Ratios	2017–18	2018–19	2019–20	2020–21	2021–22	2022–23	3-year pre-COVID Average	2023–24 Forecast	2024–25 Forecast	2025–26 to 2032–33 Forecast
K–1	1.03	1.05	0.99	0.92	1.07	1.04	1.03	1.04	1.04	1.04
1–2	1.00	1.02	1.03	0.96	0.99	1.03	1.02	1.02	1.02	1.02
2–3	1.04	1.01	1.00	0.98	0.99	1.01	1.02	1.02	1.02	1.02
3–4	1.01	0.99	1.02	0.95	0.99	1.02	1.01	1.01	1.01	1.01
4–5	1.05	1.03	1.02	0.98	0.99	1.05	1.03	1.03	1.03	1.03
5–6	0.97	0.99	1.00	0.95	1.01	1.02	0.99	1.00	1.00	1.00
6–7	1.02	1.04	0.99	0.97	1.01	1.03	1.02	1.01	1.01	1.01
7–8	1.04	1.02	1.00	0.99	1.00	0.99	1.02	1.01	1.01	1.01
8–9	1.20	1.21	1.19	1.17	1.24	1.18	1.20	1.20	1.20	1.20
9–10	1.00	1.00	0.99	0.99	0.99	0.98	1.00	1.00	1.00	1.00
10–11	0.95	0.90	0.90	0.89	0.92	0.94	0.92	0.93	0.93	0.93
11–12	0.97	0.94	0.97	0.95	1.02	0.94	0.96	0.96	0.96	0.96

Historical and middle scenario forecast grade progression ratios (GPR) based on District resident October enrollment, not including out-of-district residents. GPRs are calculated as the ratio of enrollment in a specific grade in a given year to the enrollment of the same age cohort in the previous year. For instance, 150 kindergarteners in 2017 becoming 140 first graders in 2018 yields a GPR of 0.93. GPRs quantify how cohort sizes change as students progress to subsequent grades by considering that not all students advance to the next grade and new students join existing cohorts. A GPR value greater than 1.0 indicates that the student cohort increased in size from one grade to the next. Conversely, a GPR value less than 1.0 indicates that the student cohort decreased in size from one grade to the next.

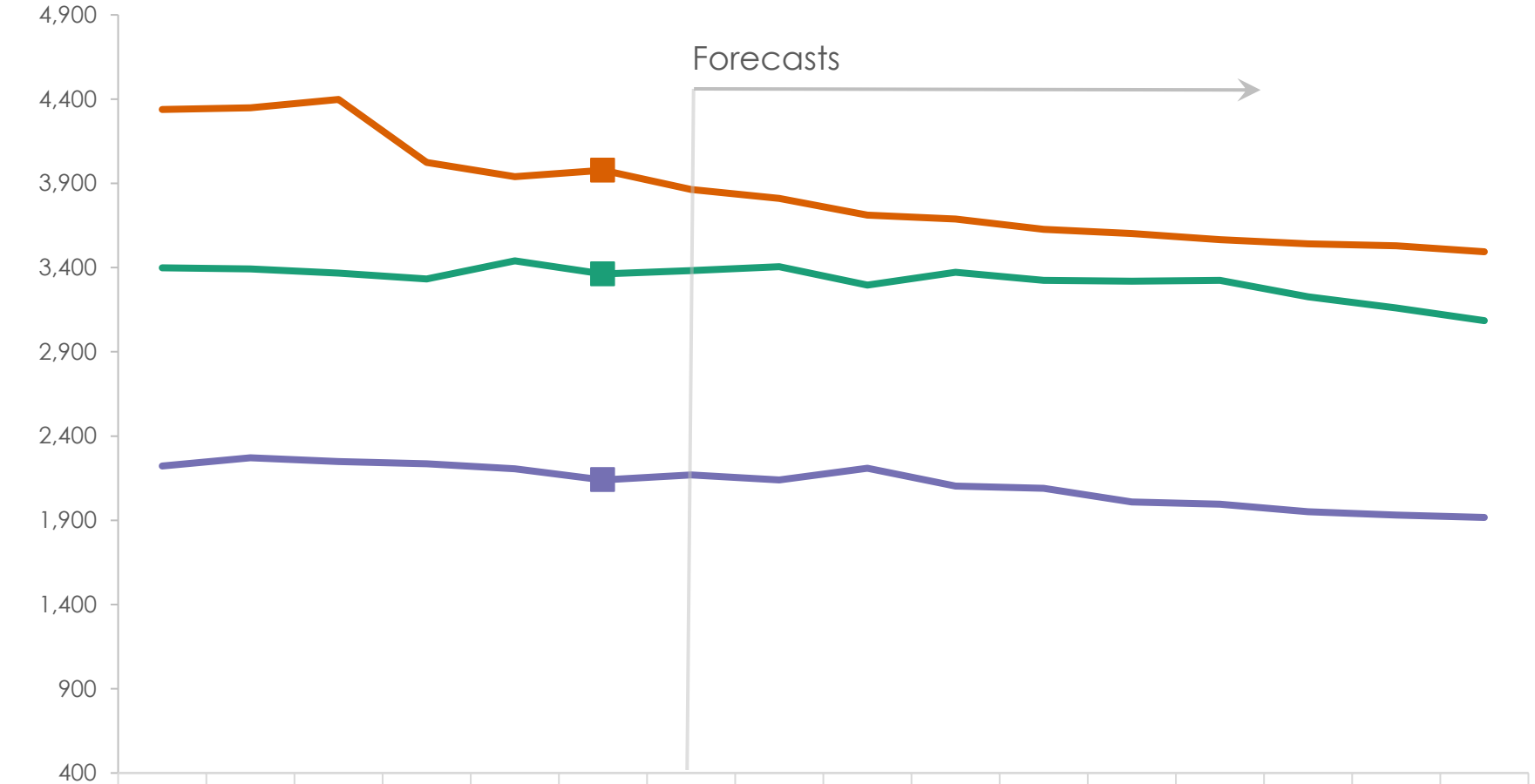
Figure 14: District-wide Enrollment Forecasts: Low, Middle, and High Scenarios



	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
High						9,479	9,559	9,595	9,513	9,527	9,475	9,434	9,467	9,370	9,342	9,276
Middle	9,960	10,012	10,014	9,593	9,584	9,479	9,414	9,354	9,217	9,163	9,041	8,929	8,887	8,718	8,622	8,496
Low						9,479	9,275	9,131	8,926	8,808	8,626	8,456	8,355	8,132	7,981	7,800

Olympia School District October 2017–18 to 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts. Enrollment values omit students enrolled in full-time Running Start, transitional kindergarten, and preschool.

Figure 15: District-wide Enrollment Forecasts by Grade Group: Middle (Preferred) Scenario



	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
K–5	4,339	4,349	4,398	4,024	3,939	3,977	3,863	3,810	3,712	3,688	3,627	3,602	3,566	3,541	3,530	3,494
6–8	2,223	2,271	2,249	2,236	2,205	2,140	2,169	2,139	2,209	2,103	2,090	2,008	1,996	1,951	1,931	1,917
9–12	3,398	3,392	3,367	3,333	3,440	3,362	3,382	3,405	3,296	3,372	3,324	3,319	3,325	3,226	3,161	3,085

Olympia School District October 2017–18 to 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts. Enrollment values omit students enrolled in full-time Running Start, transitional kindergarten, and preschool.

Figure 16: Enrollment Forecasts by Individual Grade: Middle Scenario

Grade	2022–23	2023–24	2024–25	2025–26	2026–27	2027–28	2028–29	2029–30	2030–31	2031–32	2032–33
K	576	588	574	557	576	558	551	555	550	546	541
1	635	597	609	595	577	597	578	571	575	570	566
2	630	645	606	618	604	586	606	587	580	584	579
3	692	640	655	615	628	613	595	615	596	589	593
4	674	699	646	662	621	634	619	601	621	602	595
5	770	694	720	665	682	639	653	637	619	639	620
6	652	770	694	720	665	682	639	653	637	619	639
7	731	659	778	702	728	672	689	646	660	644	626
8	757	740	667	787	710	736	680	697	654	668	652
9	865	909	888	801	945	852	884	816	837	785	802
10	912	864	907	887	800	943	851	883	815	836	784
11	798	845	801	841	822	742	874	789	819	756	775
12	787	764	809	767	805	787	710	837	755	784	724
K–5	3,977	3,863	3,810	3,712	3,688	3,627	3,602	3,566	3,541	3,530	3,494
6–8	2,140	2,169	2,139	2,209	2,103	2,090	2,008	1,996	1,951	1,931	1,917
9–12	3,362	3,382	3,405	3,296	3,372	3,324	3,319	3,325	3,226	3,161	3,085
Total	9,479	9,414	9,354	9,217	9,163	9,041	8,929	8,887	8,718	8,622	8,496

Olympia School District October 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts (middle, or preferred, scenario). Enrollment values omit students enrolled in full-time Running Start, transitional kindergarten, and preschool.

Figure 17: Enrollment Forecasts by School/Program

School Name	2022–23	2023–24	2024–25	2025–26	2026–27	2027–28	2032–33	'22-'27 change	'27-'32 change	'22-'27 % change	'27-'32 % change
Boston Harbor ES	179	174	174	165	172	165	159	-14	-6	-8%	-4%
Centennial ES	482	473	446	429	414	394	381	-88	-13	-18%	-3%
Garfield ES	300	290	279	263	261	258	243	-42	-15	-14%	-6%
Hansen ES	456	440	431	430	430	432	410	-24	-22	-5%	-5%
Lincoln ES	270	275	285	284	273	271	257	1	-14	0%	-5%
LP Brown ES	317	301	291	290	286	292	294	-25	2	-8%	1%
Madison ES	199	195	198	185	178	173	164	-26	-9	-13%	-5%
McKenny ES	275	272	271	280	289	287	270	12	-17	4%	-6%
McLane ES	413	407	403	386	395	384	377	-29	-7	-7%	-2%
Pioneer ES	385	358	366	353	349	334	315	-51	-19	-13%	-6%
Roosevelt ES	386	363	351	332	326	322	309	-64	-13	-17%	-4%
ORLA	315	315	315	315	315	315	315	0	0	0%	0%
K–5 Total	**3,977**	**3,863**	**3,810**	**3,712**	**3,688**	**3,627**	**3,494**	**-350**	**-133**	**-9%**	**-4%**
Jefferson MS	448	454	454	461	432	398	380	-50	-18	-11%	-5%
Marshall MS	443	468	466	506	482	494	451	51	-43	12%	-9%
Reeves MS	395	424	436	444	404	405	360	10	-45	3%	-11%
Washington MS	749	718	678	693	680	688	621	-61	-67	-8%	-10%
ORLA	105	105	105	105	105	105	105	0	0	0%	0%
6–8 Total	**2,140**	**2,169**	**2,139**	**2,209**	**2,103**	**2,090**	**1,917**	**-50**	**-173**	**-2%**	**-8%**
Capital HS	1,276	1,345	1,381	1,365	1,454	1,465	1,337	189	-128	15%	-9%
Olympia HS	1,811	1,762	1,749	1,656	1,643	1,584	1,473	-227	-111	-13%	-7%
Avanti HS	178	178	178	178	178	178	178	0	0	0%	0%
ORLA	97	97	97	97	97	97	97	0	0	0%	0%
9–12 Total	**3,362**	**3,382**	**3,405**	**3,296**	**3,372**	**3,324**	**3,085**	**-38**	**-239**	**-1%**	**-7%**
District-wide Total	**9,479**	**9,414**	**9,354**	**9,217**	**9,163**	**9,041**	**8,496**	**-438**	**-545**	**-5%**	**-6%**

Olympia School District October 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts (consistent with district-wide middle, or preferred, scenario). Enrollment values omit students enrolled in full-time Running Start, transitional kindergarten, and preschool.

Figure 18: Enrollment Forecasts by Individual Grade: Low Scenario

Grade	2022–23	2023–24	2024–25	2025–26	2026–27	2027–28	2028–29	2029–30	2030–31	2031–32	2032–33
K	576	569	556	529	547	530	521	523	517	512	506
1	635	588	584	571	543	561	544	535	537	531	525
2	630	635	591	587	574	546	564	547	538	540	534
3	692	630	638	594	590	577	549	567	550	541	543
4	674	689	630	638	594	590	577	549	567	550	541
5	770	684	703	642	651	606	602	588	560	578	561
6	652	758	677	700	639	648	603	599	585	557	575
7	731	649	759	681	704	643	652	607	603	588	560
8	757	729	650	764	686	709	647	656	611	607	592
9	865	897	868	777	913	820	848	773	784	730	726
10	912	855	891	867	776	911	819	847	772	783	729
11	798	836	788	826	804	719	845	759	785	716	726
12	787	756	796	750	787	766	685	805	723	748	682
K–5	3,977	3,795	3,702	3,561	3,499	3,410	3,357	3,309	3,269	3,252	3,210
6–8	2,140	2,136	2,086	2,145	2,029	2,000	1,902	1,862	1,799	1,752	1,727
9–12	3,362	3,344	3,343	3,220	3,280	3,216	3,197	3,184	3,064	2,977	2,863
Total	9,479	9,275	9,131	8,926	8,808	8,626	8,456	8,355	8,132	7,981	7,800

Olympia School District October 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts (low scenario).
Enrollment values omit students enrolled in full-time Running Start, transitional kindergarten, and preschool.

Figure 19: Enrollment Forecasts by Individual Grade: High Scenario

Grade	2022–23	2023–24	2024–25	2025–26	2026–27	2027–28	2028–29	2029–30	2030–31	2031–32	2032–33
K	576	606	597	574	599	586	581	587	583	579	575
1	635	608	631	622	598	624	610	605	611	607	603
2	630	660	626	650	641	616	643	628	623	629	625
3	692	652	680	645	670	661	635	663	647	642	648
4	674	709	665	694	658	683	674	648	676	660	655
5	770	704	737	691	721	684	710	701	674	703	686
6	652	782	711	744	698	728	691	717	708	681	710
7	731	669	798	726	760	713	743	705	732	723	695
8	757	750	683	807	734	769	721	752	713	741	731
9	865	920	908	820	969	881	923	866	903	856	890
10	912	872	923	906	819	967	880	921	865	901	855
11	798	855	813	856	840	759	896	816	854	802	835
12	787	772	823	778	820	804	727	858	781	818	768
K–5	3,977	3,939	3,936	3,876	3,887	3,854	3,853	3,832	3,814	3,820	3,792
6–8	2,140	2,201	2,192	2,277	2,192	2,210	2,155	2,174	2,153	2,145	2,136
9–12	3,362	3,419	3,467	3,360	3,448	3,411	3,426	3,461	3,403	3,377	3,348
Total	9,479	9,559	9,595	9,513	9,527	9,475	9,434	9,467	9,370	9,342	9,276

Olympia School District October 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts (high scenario).
Enrollment values omit students enrolled in full-time Running Start, transitional kindergarten, and preschool.