



Oregon State
University

OREGON STATE UNIVERSITY
PARKING UTILIZATION STUDY 2022-2023

FALL TERM

CAPITAL PLANNING & DEVELOPMENT

UNIVERSITY LAND USE PLANNING

MAY 1, 2023

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Additional Information/Contacts

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Executive Summary

The *Oregon State University Parking Utilization Study 2022-2023* is an analysis of the parking conditions on the university's Corvallis campus for the 2022-2023 academic year. The study is completed annually during fall term, when enrollment and parking utilization are typically at their highest levels of the year.

Oregon State prepares this Parking Utilization Study in conformance with the Corvallis Land Development Code (LDC) Section 3.36.90 – Campus Master Plan Monitoring. The LDC specifies that Oregon State will monitor parking usage rates at least once per year and provide the results to the City of Corvallis (CMP 7.2.10, LDC Section 3.36.90.a.2). In addition to this study, Oregon State's Transportation Services department regularly monitors parking lot usage to guide management of the university's parking facilities.

- Oregon State's parking utilization rate for OSU General Use spaces for fall term 2022 was 72 percent. This utilization rate does not include Residence Hall spaces.
- The parking utilization rate for Residence Hall spaces was 86 percent. Residence Hall spaces have a higher utilization rate and a greater tolerance for a high utilization rate because Residence Hall permits are sold on a one-to-one basis of permits to number of Residence Hall spaces.
- The combined utilization rate for OSU General Use and Residence Hall space types in fall term 2022 was 74 percent.
- Utilization of individual Commuter Zone and Residence Hall parking lots varied from 0 to 100 percent.
- Parking utilization rates during fall term 2022 were similar to those recorded prior to the COVID-19 pandemic.
- Oregon State had a campus-wide capacity of 5,693 OSU General Use spaces in Commuter Zone lots and 1,275 Residence Hall spaces in Residence Hall lots, for a total of 6,968 spaces providing parking to commuters and campus residents.
- The slight decline in parking capacity for fall term 2022 is temporary, due to the temporary closure of approximately 230 spaces for construction at Reser Stadium. Over the past five years prior to the 2022-2023 OSU Parking Utilization Report, Oregon State's combined total General Use and Residence Hall space capacity increased by 2 percent.

Parking Utilization Study

Impacts of the COVID-19 pandemic on the Parking Utilization Study

Oregon State University greatly altered its programs and operations at its Corvallis campus in response to the COVID-19 pandemic, which was reflected in the 2020-2021 and 2021-2022 OSU Parking Utilization Studies. Oregon State University's Corvallis on-campus operations began to return to pre-pandemic levels in the fall of 2021, however, campus operations still differ from pre-pandemic operations, as some employees have continued to work remotely in part or completely. Enrollment in the university's online-only Extended Campus (E-campus) also has greatly increased in recent years. When making year to year comparisons, the impact of the pandemic and the continued changes to the way people learn and work at Oregon State should be considered.

Methodology

Methodology for the 2022-2023 Survey

The 2022-2023 Parking Utilization Study uses the same methodology as studies conducted annually since the 2017-2018 academic year.

Since Oregon State began conducting parking utilization studies in 2007, the survey methodology has been refined on three occasions. Most recently, Oregon State made minor refinements to the parking utilization survey methodology for the 2017-2018 study year to help improve the efficiency and accuracy of data collection, to better align reported space types with parking management categories, and to make the utilization report simpler and more accessible to all audiences.

Timeframe

Utilization counts occurred on Tuesday, October 11; Wednesday, October 19; Tuesday, October 25; and Wednesday, November 2. Surveys were conducted between the hours of 9 a.m. and 3 p.m., alternating weekly between Tuesday, a typical lab day, and Wednesday, a typical lecture day. This survey period is inclusive of the period of peak campus enrollment. Survey results from each of the four survey days are averaged to calculate the parking capacity and percent utilization reported for the Corvallis campus and individual lots.

Parking Space Types

Parking spaces on OSU's campus can be divided into two general groups based on their purposes: General Use and University Support (*Table 1: OSU Parking Space Categories*). General Use spaces provide short-term and all-day parking for students, employees, and visitors, and typically require a permit or daily/hourly fee. These parking spaces are available to people commuting to campus to visit, work, or attend classes, as well as to residents living on campus. General Use parking space types include: Commuter, Residence Hall, ADA, Carpool, Reserved, and Short Term/Metered.

University Support space types are not open to the public for commuter or resident parking. They provide short-term loading areas, service vehicle parking, or overnight parking for Oregon State vehicles,

and program vehicles. Spaces that are temporarily unavailable due to construction are also included among University Support spaces. University Support space types include: Car Share, Construction, Dedicated, Leased, Loading Area, and Service.

Residence Hall spaces are included in the General Use category, but function differently than other General Use spaces. Residence Hall spaces provide overnight parking for university residents and are an important part of OSU’s parking management strategy.

Table 1: OSU Parking Space Categories

General Use	University Support
Commuter	Car Share
Residence Hall	Construction
ADA	Dedicated
Carpool	Leased
Reserved	Loading Area
Short Term/Metered	Service

Prior to the 2017-2018 study year, Residence Hall spaces were classified as University Support spaces, and prior to 2014 Residence Hall spaces did not exist. Residents parked in any Student lot, which served both student commuters and student residents. To facilitate year to year comparisons, the campus-wide utilization rate is calculated both with and without Residence Hall spaces.

Parking Lot Types

Within OSU’s main campus, the space types listed above are located in four types of parking lots: Commuter Zone, Residence Hall, Nonpublic, and Non-OSU (*Attachment A – Parking Lot Overview*).

Commuter Zone lots provide permitted commuter, short-term, metered, or free parking.

Residence Hall lots provide permitted Residence Hall parking exclusively to campus residents (*Table 2: Lots with Residence Hall Parking*). Some parking lots provide both General Use and Residence Hall parking zones in one lot.

Nonpublic lots restrict or limit access to a specific university group; examples include Magruder Hall West Lot (3362), Oceanography Shops Complex Lot (3287), and the Western Shop Lot (3369). Nonpublic lots also include small lots and loading areas that provide only nonpublic parking for service vehicles or vehicle loading areas. Commuter parking is not allowed within Nonpublic lots.

Non-OSU lots are parking areas located within the Corvallis campus boundary that are exclusively utilized by an entity other than OSU, typically through a lease agreement or private ownership. Non-OSU lots include parking areas for the EPA, Hilton Garden Inn, and the Forest Science Lab Lot.

Table 2: Lots with Residence Hall Parking

Number	Description	Sector	Residence Hall Spaces *
3322	ORCHARD CT LOT	B	88
3333	NATIONAL FORAGE SEED CENTER EAST LOT	B	168
3341	RICHARDSON HALL SOUTH LOT	B	28
3223	N 16TH ST WEST LOT	C	112
3224	N 16TH ST EAST LOT	C	30
3317	ORCHARD AVE NORTH LOT	C	33
3205	ADAMS AVE NORTHEAST LOT	D	75
3209	WASHINGTON AVE SOUTHEAST LOT	D	102
3217	ADAMS AVE	D	5
3218	S 13TH ST	D	26
3227	WASHINGTON AVE AND 11TH ST SOUTHEAST LOT	D	90
0205_PFL3	PARKING GARAGE (3RD FLOOR)	G	6
0205_PFL4	PARKING GARAGE (4TH FLOOR)	G	221
0205_PFL5	PARKING GARAGE (5TH FLOOR)	G	177
3280	MAY WAY LOT	G	114
Total			1,275

*Residence Hall lots primarily consist of Residence Hall parking spaces, but lots can include other space types. Additionally several lots are split, providing both Commuter and Residence Hall spaces. The total shown in this table includes only Residence Hall parking spaces.

Utilization Calculation and Space Types included in Annual Report

The Oregon State Parking Utilization calculation only includes General Use spaces located in Commuter Zone or Residence Hall lots because these are the only spaces available to commuters and campus residents. University Support space types and Non-OSU, Nonpublic, and temporarily closed lots are excluded from the parking utilization calculation because they are not available to commuters and residents.

Parking Facilities

Oregon State's parking facilities provide permit-only parking as well as metered and short-term parking facilities with pay stations throughout campus (*Table 3: Lots with Metered and Short-Term Spaces*). Free parking spaces are limited to one surface parking lot: South 17th Street and A Avenue Lot (3289) in Sector G. The provision of free parking in this lot was a city-required condition of the approval of the vacation of city right-of-way on 17th Street.

The City of Corvallis manages on-street parking facilities on city-owned streets located within and adjacent to Oregon State's Corvallis campus boundary. These facilities include both metered and free parking. Metered spaces are located on the east side of 15th Street south of Jefferson Avenue. Free, on-street parking is provided along Orchard Avenue between 27th and 30th Streets in Sector C; on 11th Street, Jefferson Avenue, and Madison Avenue in Sector D; and on 16th, 17th, and A streets in Sector G. These City-owned facilities are not managed by Oregon State and are not included in the utilization study.

The city of Corvallis recently approved a street vacation application for 16th, 17th, and A streets in Sector G. These streets are now OSU facilities, but at the time parking counts were collected for the 2022-2023 Parking Utilization Study, these facilities were still city owned and managed.

New Parking Facilities

No new parking facilities were constructed and added to OSU's parking system since the completion of the last parking utilization study. The Orchard Ave. North Lot (3317), however, was divided into two lots for management purposes. The original Orchard Ave. North Lot (3317) consisted of two separate

Table 3: Lots with Short-Term Spaces*

Number	Description	Sector	Spaces
3334	MOTOR POOL WEST LOT	B	3
3341	RICHARDSON HALL SOUTH LOT	B	1
3901	CAMPUS WAY AND 35TH ST LOT	B	1
3902	FOREST SCIENCE LAB LOT	B	1
3234	PARK TERRACE ST WEST LOT	C	1
3242	COMMUNITY HALL SOUTH LOT	C	1
3260	N 26TH ST	C	2
3262	KERR ADMINISTRATION SOUTH LOT	C	1
3263	KERR ADMINISTRATION WEST LOT	C	9
3268	S BENTON PL	C	2
3269	DIXON RECREATION CENTER EAST LOT	C	2
3295	S 30TH ST METER	C	1
3300	S 26TH ST	C	41
3301	FAIRBANKS HALL WEST LOT	C	1
3302	W JEFFERSON WAY	C	26
3303	SACKETT HALL NORTH LOT	C	1
3309	ORCHARD AVE	C	1
3310	WOMENS BUILDING WEST LOT	C	2
3316	ORCHARD AVE SOUTH LOT	C	1
3213	MADISON AVE CO-OP LOT	D	1
3364	OAK CREEK BUILDING NORTH LOT	E	2
3283	RALPH MILLER LN	F	1
3271	CASCADE HALL SOUTH LOT	G	2
0205_PFL3	PARKING GARAGE	G	110
Total			214

*Metered and Short-Term spaces include 30-Minute loading spaces. Table includes only General Use lots.

portions that were managed as different parking zones. The lot was divided into the Orchard Ave. Northeast Lot, a Commuter Zone lot, which retained the original lot number (3317) and the Orchard Ave. Northwest Lot (3321), a Residence Hall Lot. Because the Orchard Ave. Northwest Lot (3321) will appear in the report for the first time in this year’s report, it is noted here to avoid confusion (*Table 4: New Commuter Zone & Residence Hall Parking Lots*).

Table 4: New Commuter Zone & Residence Hall Parking Lots

Number	Description	Sector	General Use &
			University Support Spaces
3321	ORCHARD AVE NORTHWEST LOT*	C	33
Total			33

*The Orchard Ave Northwest Lot was previously part of lot #3317 Orchard Ave North Lot. No new parking was constructed.

Decommissioned Parking Facilities & Temporary Closures

The McNary Hall North Meter Lot (3206) was removed from the parking inventory during the period between the 2021-2022 and 2022-2023 Parking Utilization Studies. The McNary Hall North Meter Lot (3206) had one Short-Term space and one ADA space. The McNary Hall North Meter Lot is identified as the future location of the Jefferson Avenue Mobility Hub, a collaborative project between Corvallis Area Metropolitan Planning Organization (CAMPO), the City of Corvallis, Linn-Benton Community College, and Oregon State to support local and regional transit and other transportation options to and from campus.

Table 5: Decommissioned Parking Areas

Number	Description	Sector	General Use &
			University Support Spaces
3206	MCNARY HALL NORTH METER LOT*	D	2
3315	CORDLEY HALL WEST LOT**	C	11
Total			13

*McNary Hall North Meter Lot was not officially decommissioned, but the two existing parking spaces were removed, so it is not included in the Utilization Study.

**Cordley Hall West Lot lot was reconfigured and merged with lot #3316 Orchard Ave. South Lot as part of the Cordley Hall renovation. Eleven of the existing spaces were removed as part of the reconfiguration.

The Cordley Hall West Lot (3315) was reconfigured with the renovation of Cordley Hall and merged with the adjacent Orchard Ave. South Lot (3316) for ease of management. While there is still parking in what was formerly the Cordley Hall West Lot (3315), the space count for the lot was added to the Orchard Ave. South Lot (3316).

Several lots were temporarily closed to parking during the study period due to construction activities or events. Lots can be closed temporarily for events, maintenance, or construction. Typically, temporary closures affect a limited portion of an existing lot rather than closing an entire lot. During the 2022-2023 survey period, the Memorial Place Central Campus Lot (3252) was completely closed due to construction. The Richardson Hall South Lot (3341), Monroe Ave. and 16th St. Lot (3221), Community Hall East Lot (3241), S. 26th St. Lot (3300), and Orchard Ave. South Lot (3316) had some spaces closed due to construction, and the N. 26th St. Lot (3260) was closed for two of the survey days due to a large event on the adjacent Memorial Union Quad. Substantial portions of the Reser Stadium Lot (3281) and LaSells Stuart Center West Lot (3277) were closed due to construction activities at Reser Stadium, accounting for a temporary but significant reduction in the university’s parking inventory.

Campus Population

Campus Population and the COVID-19 Pandemic

Corvallis Campus enrollment and employment information provides some context for parking operations on campus, but it is not an accurate measure the number of people on campus during a typical day nor is it closely correlated to parking demand on campus. While it is true that a portion students and employees commute to the Corvallis campus daily and park on campus, increasingly more of the population are learning and working remotely all or a portion of the time. This trend was greatly accelerated by the COVID-19 pandemic. The pandemic also highlighted the weak correlation between the campus population and parking demand on campus. In the 2020-2021 academic year, the campus population decreased by only 2.4 percent from the previous academic year, while the number of vehicles on campus dropped by 186 percent from a combined Commuter and Residence Hall utilization rate of 76 percent to 27 percent. Oregon State University continues to work toward reducing demand for parking through its multitude of Transportation Demand Management programs.

Student Enrollment

Oregon State's overall enrollment increased slightly from fall term 2021 to fall term 2022. Much of that increase was due to growth of OSU's Extended Campus (Ecampus) enrollment, which provides all courses online. Student enrollment at OSU's Corvallis campus increased by 2.2 percent during the same period after having annual declines over the previous five years. Enrollment on OSU's Corvallis campus has declined slightly from a peak enrollment of 24,809 students in 2017-2018 academic year to an enrollment of 23,611 students in the 2021-2022 academic year. Refer to *Table 6: Student Enrollment Trends* for enrollment trends over the past five years. Students enrolled exclusively in OSU's Extended Campus (Ecampus) courses are not included in the adjusted Corvallis Campus Enrollment, since these students do not take courses on OSU's Corvallis campus.

Table 6: Student Enrollment Trends

Academic Year	Fall Term			Percent Change Corvallis Campus Enrollment**
	Fall Term Enrollment	Extended Campus Enrollment*	Corvallis Campus Enrollment**	
2018 - 2019	30,986	6,565	24,421	-1.6%
2019 - 2020	31,719	7,467	24,252	-0.7%
2020 - 2021	32,312	8,840	23,472	-3.2%
2021 - 2022	33,193	10,082	23,111	-1.5%
2022 - 2023	34,292	10,679	23,613	2.2%

* Extended Campus Enrollment represents all students enrolled exclusively in Ecampus-offered courses; these students are not enrolled in any OSU Corvallis on-campus courses.

** Corvallis Campus Enrollment is total enrollment minus Extended Campus enrollment.

***Percent change is the change in Corvallis campus enrollment when compared with the previous year's main campus enrollment.

Source: OSU Office of Institutional Research, Enrollment/Demographic Reports, Enrollment Summary -- Fall Term 2022.

<https://institutionalresearch.oregonstate.edu/sites/institutionalresearch.oregonstate.edu/files/2022-11/enroll-fall-2022.pdf>.

Oregon State University Employment

At the time of the 2022-2023 Parking Utilization Study, Oregon State had a total of 6,459 employees reporting to the Corvallis campus (*Table 7: Employment Trends*). While these positions report to the Corvallis campus, employees may not work on site or commute to campus daily. This number includes employees that work remotely all or part of the time, as well as employees who report to the Corvallis campus but physically work elsewhere. Graduate assistants and student employees are included in the student population data noted in this report and are not included in the employee population.

Total Campus Population

The total campus population is calculated using both student enrollment counts and employee population numbers. For the 2022-2023 academic year, the total Corvallis campus population was 30,072. As *Table 8: Campus Population* illustrates, the total Corvallis campus population has remained between 29,317 and 30,848 during the last five years.

Parking Permit System

Overview

Oregon State has managed a zonal parking system on campus. The purpose of the zonal parking system is to better utilize existing campus parking facilities, to help reduce campus-related parking impacts in surrounding neighborhoods, and to reduce vehicle congestion and emissions by making it easier for commuters to find available parking quickly and reliably.

The zonal parking system divides the on-campus parking lots into seven Commuter zones (A1, A2, A3, B1, B2, B3, C) and two

Table 7: Employment Trends (All OSU Locations)

Academic Year	Employees	Temp	Total*	Percent Change**
2018 - 2019	6,291	136	6,427	1.3%
2019 - 2020	6,239	102	6,341	-1.3%
2020-2021	6,283	117	6,400	0.9%
2021-2022	6,124	82	6,206	-3.0%
2022-2023	6,389	70	6,459	4.1%

* Graduate Assistants and Student employees are not included in the total employee headcount because they are captured in the enrollment headcount.

** Percent Change is the change in the total number of employees when compared with the previous year's total employee population for the same term.

Source for academic years 2020-2021: OSU Office of Institutional Research unpublished employment data for October 2020 . Source for all other academic years: OSU Office of Institutional Research, Faculty & Staff Reports, Employment Reports, October 2017, October 2018, October 2019, October 2021, October 2022.

<https://institutionalresearch.oregonstate.edu/faculty-and-staff-reports>.

Table 8: Campus Population

Academic Year	Fall Term - October			Percent Change**
	Corvallis Campus Enrollment*	Employment	Total Population	
2018 - 2019	24,421	6,427	30,848	-1.0%
2019 - 2020	24,252	6,341	30,593	-0.8%
2020 - 2021	23,472	6,400	29,872	-2.4%
2021 - 2022	23,111	6,206	29,317	-1.9%
2022 - 2023	23,613	6,459	30,072	2.6%

* Corvallis Campus Enrollment is the total student enrollment minus Extended Campus only enrollment.

** Percent Change is the change in total population when compared with the previous year's total population for the same term.

Source for enrollment data: OSU Office of Institutional Research, Enrollment/Demographic Reports, Enrollment Summary -- Fall Term 2022.<https://institutionalresearch.oregonstate.edu/sites/institutionalresearch.oregonstate.edu/files/2022-11/enroll-fall-2022.pdf>.

Source for academic years 2020-2021: OSU Office of Institutional Research unpublished employment data for October 2020 . Source for all other academic years: OSU Office of Institutional Research, Faculty & Staff Reports, Employment Reports, October 2017, October 2018, October 2019, October 2021, October 2022.

<https://institutionalresearch.oregonstate.edu/faculty-and-staff-reports>.

Residence Hall zones (R, RA) (*Attachment D – Zonal Parking Overview*)¹. Parking permits are priced by zone with pricing tied to demand. A Zone permits are the highest priced for lots in the highest demand, and C Zone permits are the lowest priced for lots with the least demand.

Oregon State University Transportation Services (Transportation Services) sells annual, monthly, daily, and hourly permits for all Commuter zones and annual and term permits for Residence Hall zones. For short-term visits, individuals can purchase daily or hourly passes online, from a pay station, or directly from the Transportation Services Office. Other permits are sold for carpools, motorcycles, and service vehicles. Those with an ADA placard may park in any ADA space on campus with a valid permit for any zone. On a limited basis, campus departments also can purchase reserved or private spaces on an annual basis.

Revenue from the sale of parking permits funds OSU's Transportation Services operations, parking facility maintenance, Beaver Bus shuttle services, and transportation options programs that are aimed at reducing the number of drive-alone trips associated with OSU.

Parking Capacity

Parking Capacity

Parking capacity is a measure of the number of parking spaces available to commuters, visitors, and residents at the time of the Parking Utilization Survey. Year-to-year changes in capacity are influenced by the physical addition or removal of parking lots and spaces, as well as by changes in the management of individual spaces and lots, including the temporary closure of parking due to construction activities on campus. Parking capacity is not simply a measure of the number of physical spaces on campus, as there are several space types and lot types that are not available to commuter parking.

OSU's parking capacity decreased slightly between the 2021-2022 academic year and the 2022-2023 academic year from 7,228 to 6,968 General Use and Residence Hall spaces (*Table 10: OSU Parking Capacity*). The decrease in capacity was due to the temporary or partial closure of parking due to construction activity nearby. Approximately 230 spaces were temporarily closed in the Reser Stadium Lot (3281) and LaSells Stewart Center West Lot (3277) due to construction at Reser Stadium. Other lots also were partially or completely closed to accommodate construction activity, further reducing on-campus parking capacity in the short term. Temporary construction closures impacted the Memorial Place Central Campus Lot (3252), Richardson Hall South Lot (3341), Monroe Ave. and 16th St. Lot (3221), Community Hall East Lot (3241), S. 26th St. Lot (3300), and Orchard Ave. South Lot (3316) (*Attachment A – Parking Lot Overview*).

¹ Orchard Court residents are provided with a permit specific to the Orchard Court Lot (3322) issued by University Housing and Dining Services.

Table 10: OSU Parking Capacity

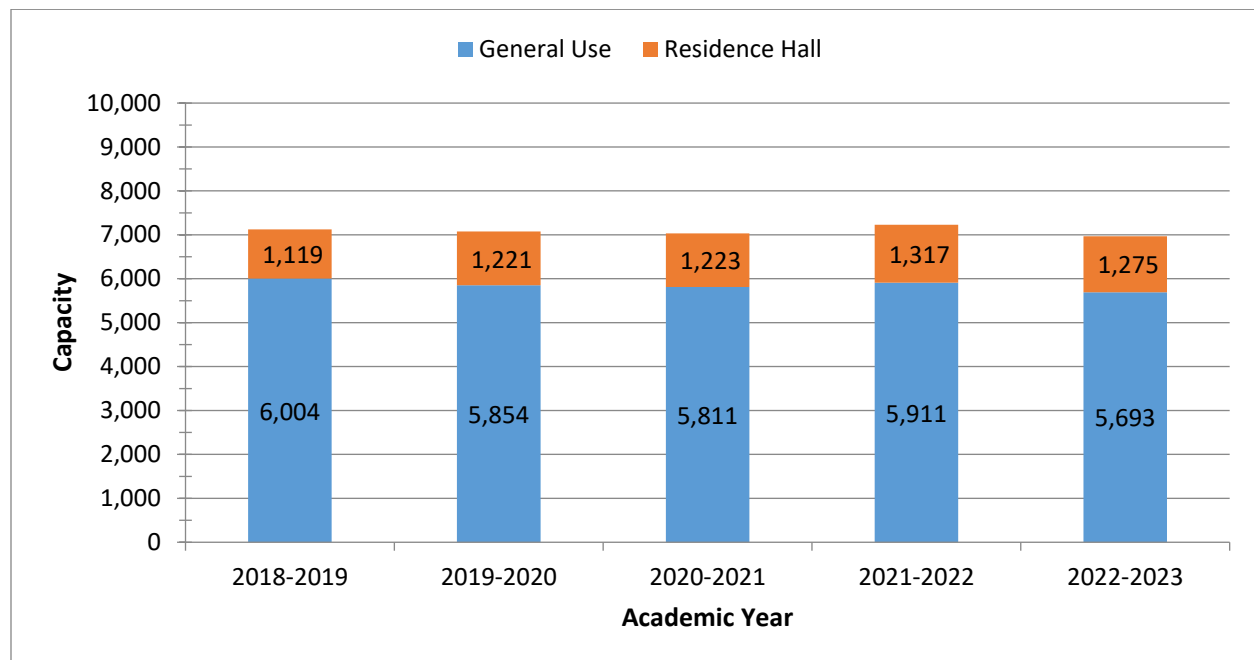
Academic Year	Commuter*	Carpool	Reserved**	Short Term/Metered	ADA	Total General Use Spaces	Residence Hall	Total General Use & Residence Hall Spaces
2018 - 2019	5,119	10	186	341	349	6,004	1,119	7,123
2019 - 2020	5,030	10	184	280	350	5,854	1,221	7,075
2020 - 2021	4,972	11	172	320	337	5,811	1,223	7,034
2021 - 2022	5,154	10	176	248	323	5,911	1,317	7,228
2022 - 2023	4,962	11	182	215	324	5,693	1,275	6,968

Note: All numbers are rounded to the nearest whole number.

*The Commuter space type includes Commuter and Free spaces. For academic years prior to 2017-2018, the Commuter space type includes Commuter, Free, and Visitor spaces.

**Reserved spaces include spaces reserved for Electric Vehicles.

Figure 2: OSU General Use & Residence Hall Parking Capacity – Fall 2018 to Fall 2022



Parking Utilization

Campus Utilization

The campus-wide parking utilization rate is calculated as the ratio of occupied spaces to the total number of OSU General Use spaces in Commuter Zone parking lots. The 2022-2023 parking utilization rate was 72 percent (*Table 11: OSU Parking Utilization*). This utilization rate is similar to utilization rates observed prior to the COVID-19 pandemic, which ranged from 73 percent to 76 percent utilization in the three years prior to the pandemic. Utilization rates from the 2020-2021 and 2021-2022 academic years were 21 percent and 63 percent utilization respectively, which clearly showed the effect of the pandemic on campus parking.

OSU’s Residence Hall parking utilization rate rose to 86 percent, a rate similar to those measured before the pandemic. (Table 11: OSU Parking Utilization, Table 12: Residence Hall Parking Utilization). Prior to the COVID-19 pandemic, the Residence Hall parking utilization ranged from 81 percent to 84 percent between the 2017-2018 academic year and the 2019-2020 academic year. Accordingly, the combined utilization rate of General Use and Residence Hall parking increased from 66 percent to 74 percent.

Table 11: OSU Parking Utilization

Sector	2018 - 2019			2019 - 2020		
	Total Spaces	Occupied Spaces	Percent Utilization	Total Spaces	Occupied Spaces	Percent Utilization
A	220	128	58%	222	140	63%
B	747	576	77%	750	616	82%
C	1,484	1,068	72%	1,427	1,085	76%
D	883	663	75%	782	622	79%
E	159	116	73%	159	101	63%
F	1,273	1,129	89%	1,274	1,127	88%
G	940	483	51%	942	574	61%
H	298	84	28%	298	99	33%
Total OSU General Use	6,004	4,247	71%	5,853.8	4,363	75%
Residence Hall Spaces	1,119	920	82%	1,221.0	1,027	84%
Total OSU General Use & Residence Hall	7,123	5,167	73%	7,074.8	5,390	76%

Sector	2020 - 2021			2020 - 2021			2022-23		
	Total Spaces	Occupied Spaces	Percent Utilization	Total Spaces	Occupied Spaces	Percent Utilization	Total Spaces	Occupied Spaces	Percent Utilization
A	222	29	13%	191	60	31%	208	87	42%
B	805	211	26%	895	642	72%	887	773	87%
C	1,336	341	26%	1,264	857	68%	1,298	984	76%
D	780	114	15%	772	488	63%	770	624	81%
E	155	55	35%	275	160	58%	276	183	66%
F	1,273	373	29%	1,274	971	76%	1,011	824	82%
G	943	109	12%	943	515	55%	945	524	55%
H	298	14	5%	298	35	12%	299	77	26%
Total OSU General Use	5,811	1,245	21%	5,911	3,727	63%	5,693	4,073	72%
Residence Hall Spaces	1,223	642	53%	1,317	1,058	80%	1,275	1,091	86%
Total OSU General Use & Residence Hall	7,034	1,887	27%	7,228	4,785	66%	6,968	5,164	74%

The utilization rates of individual lots and campus sectors have fluctuated annually to some degree in response to annual modifications to the management of the zonal parking system. Changes to the zonal

parking system can shift parking demand in some lots and locations, but generally, with the exception of the 2020-2021 study year, utilization trends have remained consistent since the implementation of the zonal parking system. As *Attachment B – Parking Lot Utilization*, *Attachment C – Residence Hall Parking Lot Utilization*, and *Attachment E – OSU Campus Parking Utilization Survey Details* illustrate, the utilization of Commuter Zone and Residence Hall parking facilities varies from zero percent to 100 percent. Parking utilization was generally higher in lots located relatively close to the campus core and in larger capacity lots with frequent shuttle service to the core of campus.

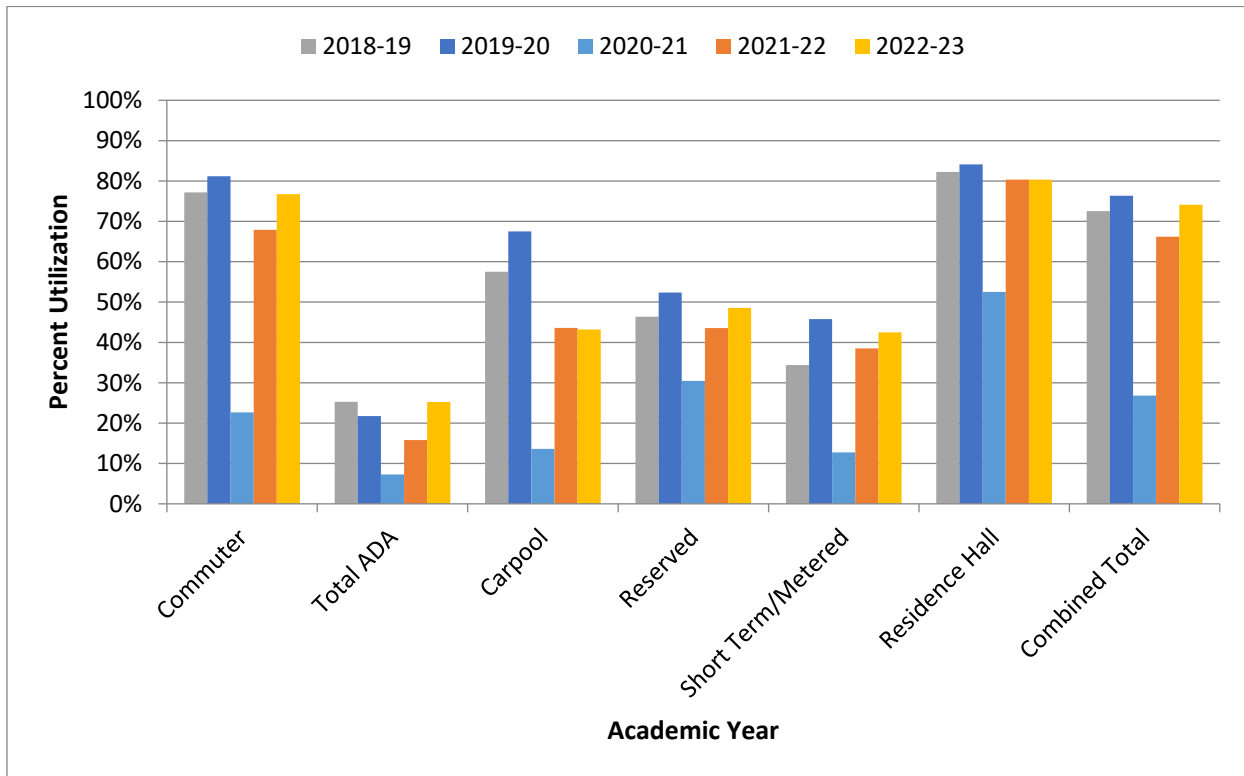
Table 12: Residence Hall Parking Utilization

<i>Lot Number</i>	<i>Lot Description</i>	<i>Sector</i>	<i>Total Resident Spaces*</i>	<i>Occupied Resident Spaces*</i>	<i>Utilization</i>
3322	ORCHARD CT LOT	B	88	56	64%
3333	NATIONAL FORAGE SEED CENTER EAST LOT	B	168	160	95%
3341	RICHARDSON HALL SOUTH LOT	B	28	27	97%
3223	N 16TH ST WEST OT	C	112	88	78%
3224	N 16TH ST EAST LOT	C	30	0	0%
3321	ORCHARD AVE NORTHWEST LOT	C	33	20	61%
3205	ADAMS AVE NORTHEAST LOT	D	75	74	99%
3209	WASHINGTON AVE SOUTHEAST LOT	D	102	101	99%
3217	ADAMS AVE	D	5	5	100%
3218	S 13TH ST	D	26	26	100%
3227	WASHINGTON AVE AND 11TH ST SOUTHEAST LOT	D	90	78	87%
3280	MAY WAY LOT	G	114	114	100%
0205_PFL3	PARKING GARAGE - 3RD FLOOR	G	6	6	100%
0205_PFL4	PARKING GARAGE - 4TH FLOOR	G	221	220	99%
0205_PFL5	PARKING GARAGE - 5TH FLOOR	G	177	117	66%
Totals are rounded to the nearest whole number.		Total	1,275	1,091	86%

Parking Utilization by Type

Except for the 2020-2021 academic year, which was heavily impacted by the COVID-19 pandemic, Commuter and Resident Hall space types typically have fairly consistent utilization rates from year to year, while Carpool, Short Term/Metered, and Reserved space utilization rates are more varied. Because most of the parking on campus is Commuter parking, it is understandable that the percent utilization for the Commuter space type follows a similar trend as the percent utilization for the combined total of all space types. Greater annual swings in the percent utilization of ADA, Carpool, Reserved, and Short Term/Metered spaces are expected given the relatively small number of these spaces. Accessible spaces (ADA spaces) tend to have a lower utilization rate overall than other space types because they are managed to ensure that users who need accessibility accommodations can find a parking space in close proximity to their destination throughout the day. Alternatively, Residence Hall spaces tend to have a higher utilization rate and a greater tolerance for a high utilization rate because Residence Hall permits are sold on a one-to-one basis of permits to number of Residence Hall spaces.

Figure 3: Percent Utilization of Parking by Space Type – Fall 2018 to Fall 2022



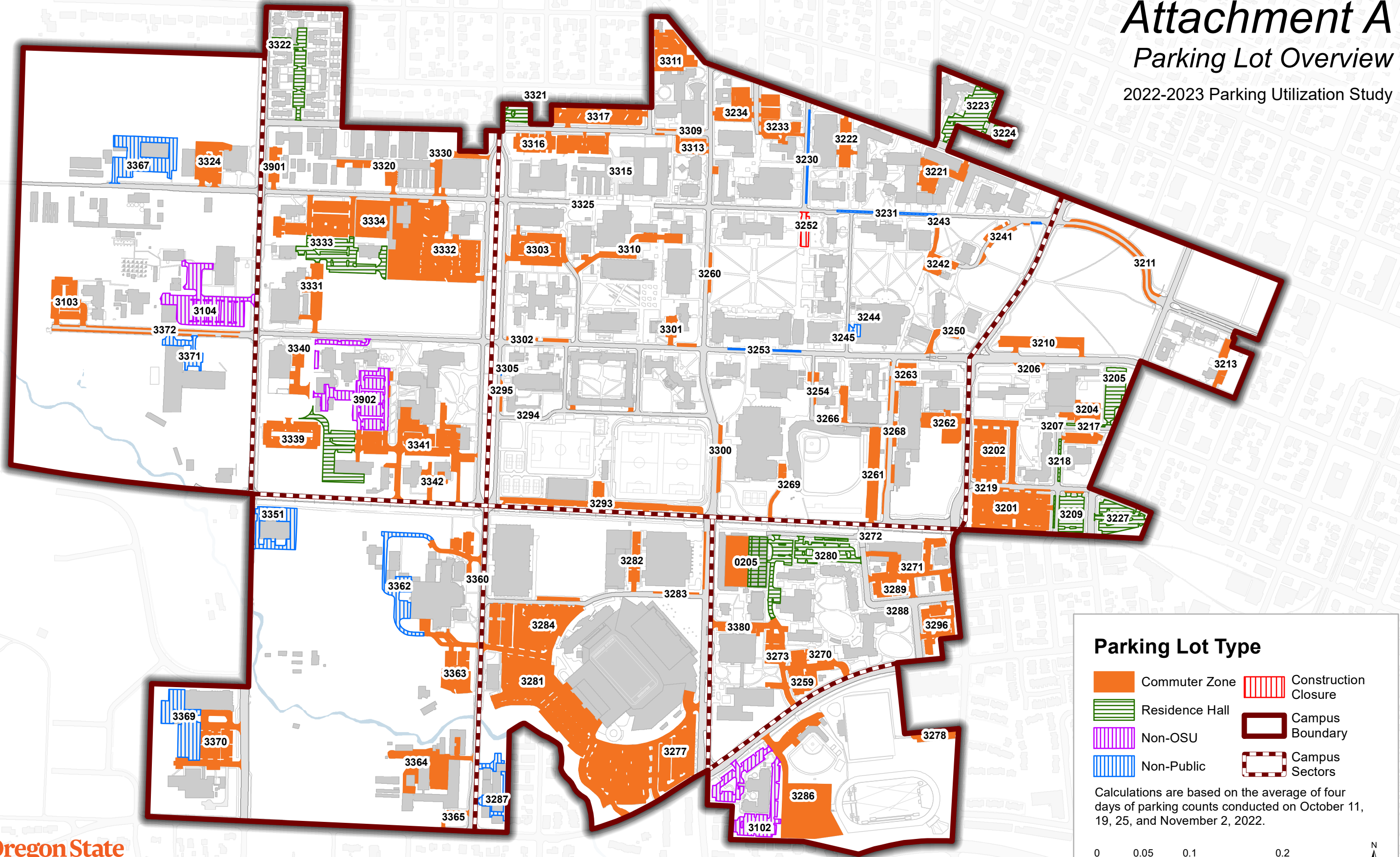
Future Management of Parking Demand

Oregon State will continue to manage its parking system efficiently while simultaneously working to encourage the use of transportation modes other than the single-occupancy vehicle. These efforts will be pursued concurrently and in partnership with city and regional transportation management efforts. Coordinated efforts will help reduce congestion and demand on parking and transportation facilities on and around campus. These efforts also support OSU’s goals to reduce greenhouse gas emissions and to use limited state funding efficiently.

Attachment A

Parking Lot Overview

2022-2023 Parking Utilization Study



Parking Lot Type

Commuter Zone	Construction Closure
Residence Hall	Campus Boundary
Non-OSU	Campus Sectors
Non-Public	

Calculations are based on the average of four days of parking counts conducted on October 11, 19, 25, and November 2, 2022.

0 0.05 0.1 0.2 Miles

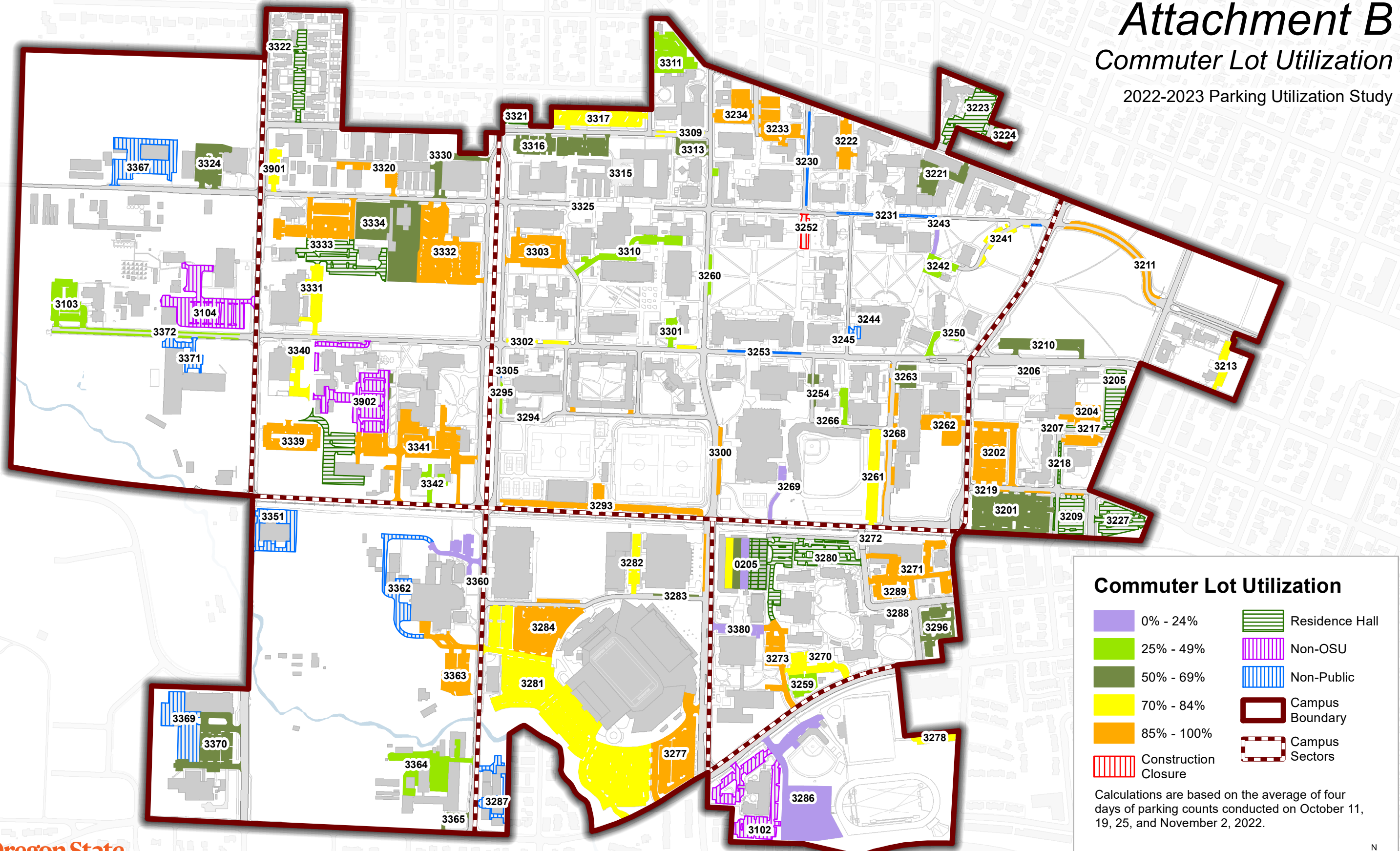
N



Attachment B

Commuter Lot Utilization

2022-2023 Parking Utilization Study



Commuter Lot Utilization

0% - 24%	Residence Hall
25% - 49%	Non-OSU
50% - 69%	Non-Public
70% - 84%	Campus Boundary
85% - 100%	Campus Sectors
Construction Closure	

Calculations are based on the average of four days of parking counts conducted on October 11, 19, 25, and November 2, 2022.

0 0.05 0.1 0.2 Miles

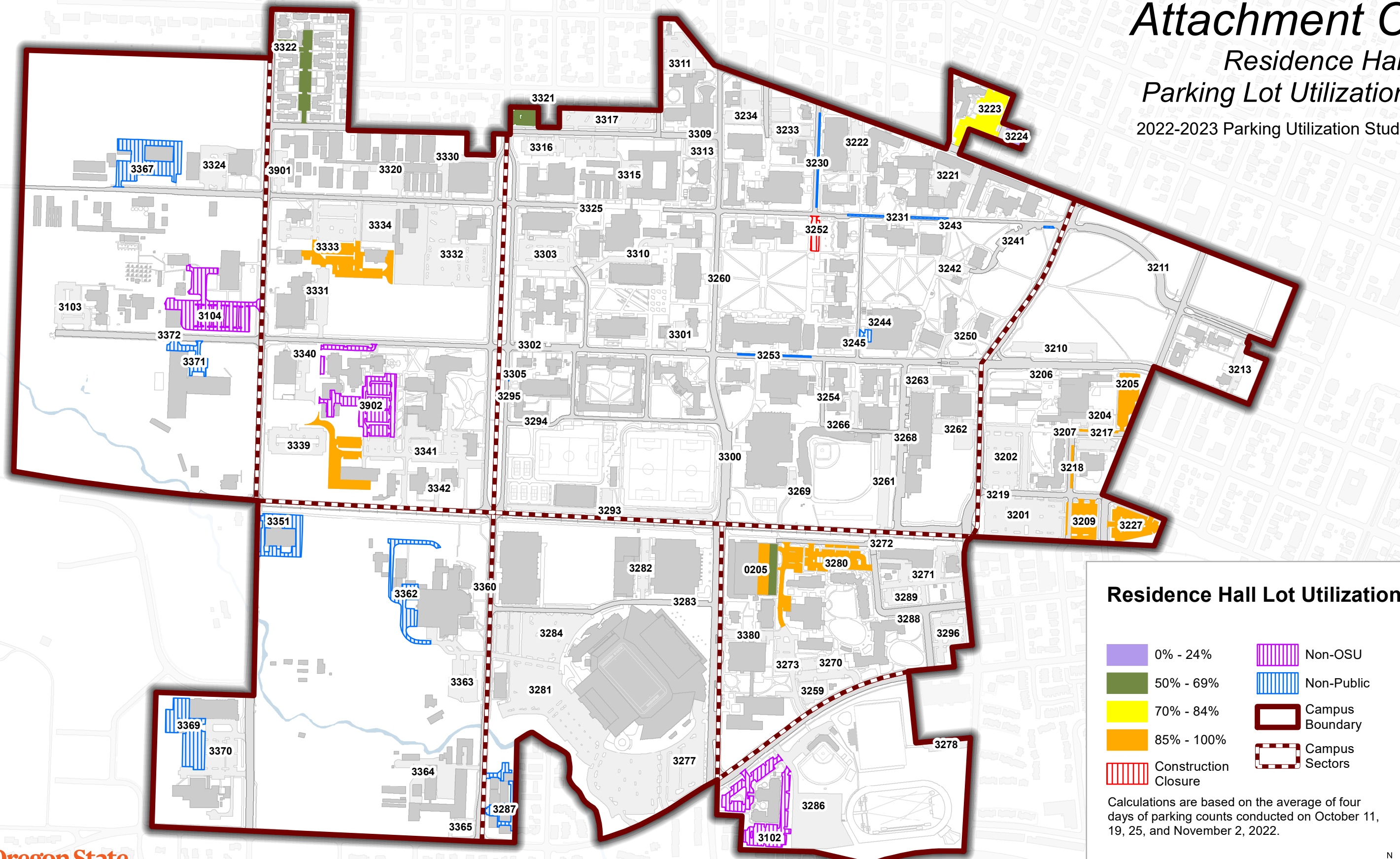
N



Attachment C

Residence Hall Parking Lot Utilization

2022-2023 Parking Utilization Study



Residence Hall Lot Utilization

	0% - 24%		Non-OSU
	50% - 69%		Non-Public
	70% - 84%		Campus Boundary
	85% - 100%		Campus Sectors
	Construction Closure		

Calculations are based on the average of four days of parking counts conducted on October 11, 19, 25, and November 2, 2022.

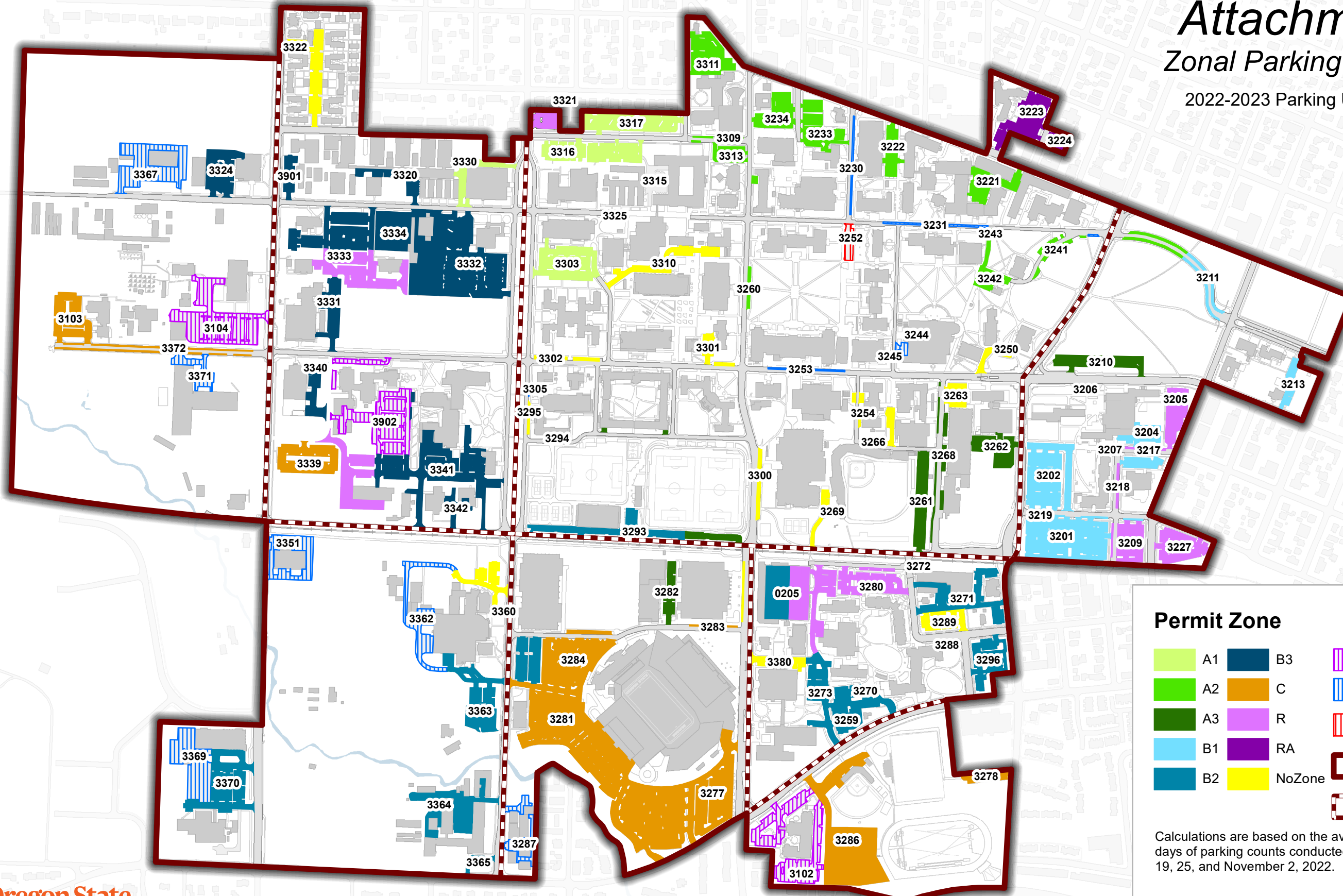
0 0.05 0.1 0.2
Miles

N



Attachment D Zonal Parking Overview

2022-2023 Parking Utilization Study



Permit Zone

A1	B3	Non-OSU
A2	C	Non-Public
A3	R	Construction Closure
B1	RA	Campus Boundary
B2	NoZone	Campus Sectors

Calculations are based on the average of four days of parking counts conducted on October 11, 19, 25, and November 2, 2022.

0 0.05 0.1 0.2 Miles

N



Attachment E - OSU Campus Parking Utilization Survey Details

Parking LotNumber	Zone	Description	Sector	Survey Date	Commuter			Residence			Carpool			Reserved			Short Term			ADA			Total General Use			Total General Use and Residence		
					Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization
0205_PFL4	R	PARKING GARAGE	G	10/11/2022	0	0	n/a	221	221	100%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	221	221	100%
0205_PFL4	R	PARKING GARAGE	G	10/19/2022	0	0	n/a	219	221	99%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	219	221	99%
0205_PFL4	R	PARKING GARAGE	G	10/25/2022	0	0	n/a	221	221	100%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	221	221	100%
0205_PFL4	R	PARKING GARAGE	G	11/2/2022	0	0	n/a	217	221	98%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	217	221	98%
0205_PFL5	R	PARKING GARAGE	G	10/11/2022	0	0	n/a	115	177	65%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	115	177	65%
0205_PFL5	R	PARKING GARAGE	G	10/19/2022	0	0	n/a	124	177	70%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	124	177	70%
0205_PFL5	R	PARKING GARAGE	G	10/25/2022	0	0	n/a	115	177	65%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	115	177	65%
0205_PFL5	R	PARKING GARAGE	G	11/2/2022	0	0	n/a	112	177	63%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	112	177	63%
3278	C	SPORTS COMPLEX EAST LOT	H	10/11/2022	41	47	87%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	41	47	87%
3278	C	SPORTS COMPLEX EAST LOT	H	10/19/2022	35	47	74%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	35	47	74%
3278	C	SPORTS COMPLEX EAST LOT	H	10/25/2022	36	47	77%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	36	47	77%
3278	C	SPORTS COMPLEX EAST LOT	H	11/2/2022	31	47	66%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	31	47	66%
3286	C	SPORTS COMPLEX WEST LOT	H	10/11/2022	48	243	20%	0	0	n/a	0	1	0%	0	0	n/a	0	0	n/a	0	8	0%	48	252	19%	48	252	19%
3286	C	SPORTS COMPLEX WEST LOT	H	10/19/2022	55	243	23%	0	0	n/a	0	1	0%	0	0	n/a	0	0	n/a	0	8	0%	55	252	22%	55	252	22%
3286	C	SPORTS COMPLEX WEST LOT	H	10/25/2022	41	243	17%	0	0	n/a	0	1	0%	0	0	n/a	0	0	n/a	1	8	13%	42	252	17%	42	252	17%
3286	C	SPORTS COMPLEX WEST LOT	H	11/2/2022	19	243	8%	0	0	n/a	0	1	0%	0	0	n/a	0	0	n/a	0	8	0%	19	252	8%	19	252	8%