

**December 01, 2016**

# **Clemson University**

CAMPUS MASTER PLAN

# Project Schedule

[illegible]

# Agenda

## WORKSHOP 2

- ◆ Analysis Updates
  - MyCampus Findings
  - Space Needs Summary
  - Mobility
- ◆ Framework Mapping
- ◆ Brainstorm Session





# ANALYSIS UPDATES

Postcard by Jonathan Balcombe (Class of 2015), Creative Services Internship

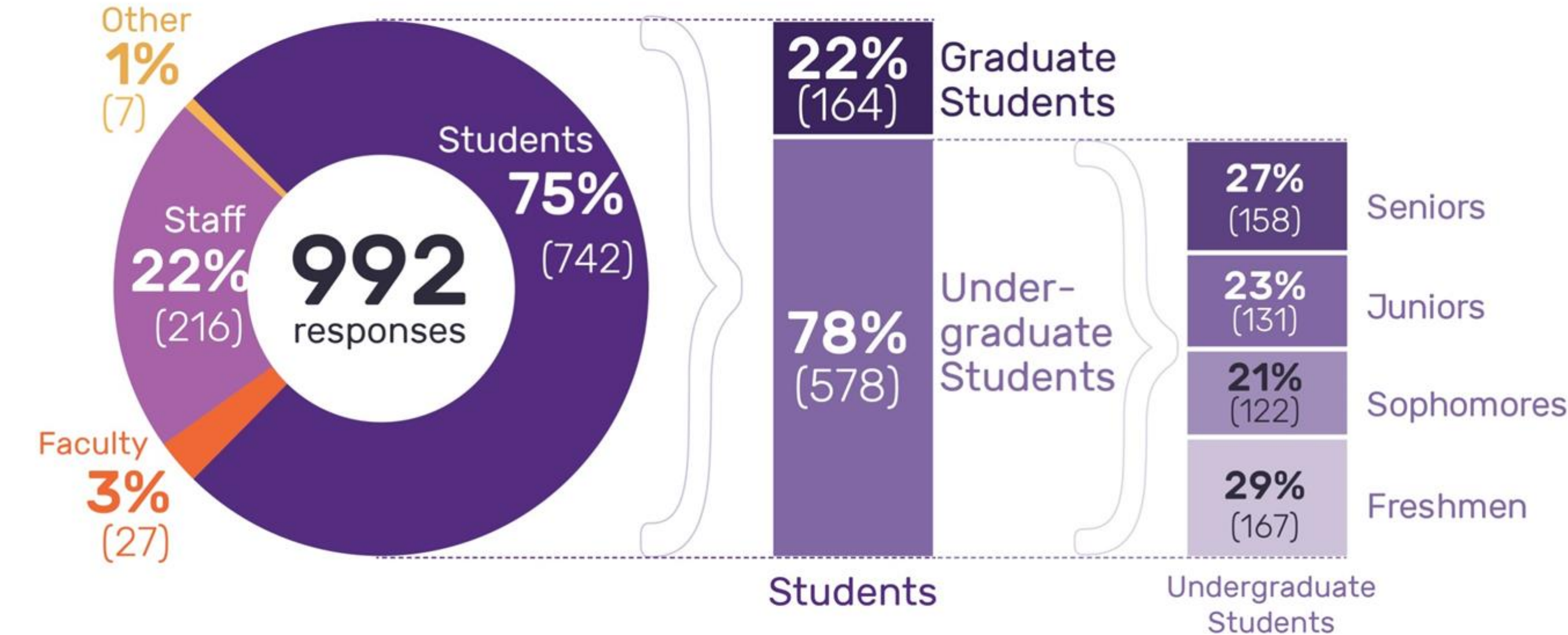




# **MyCampus Findings**

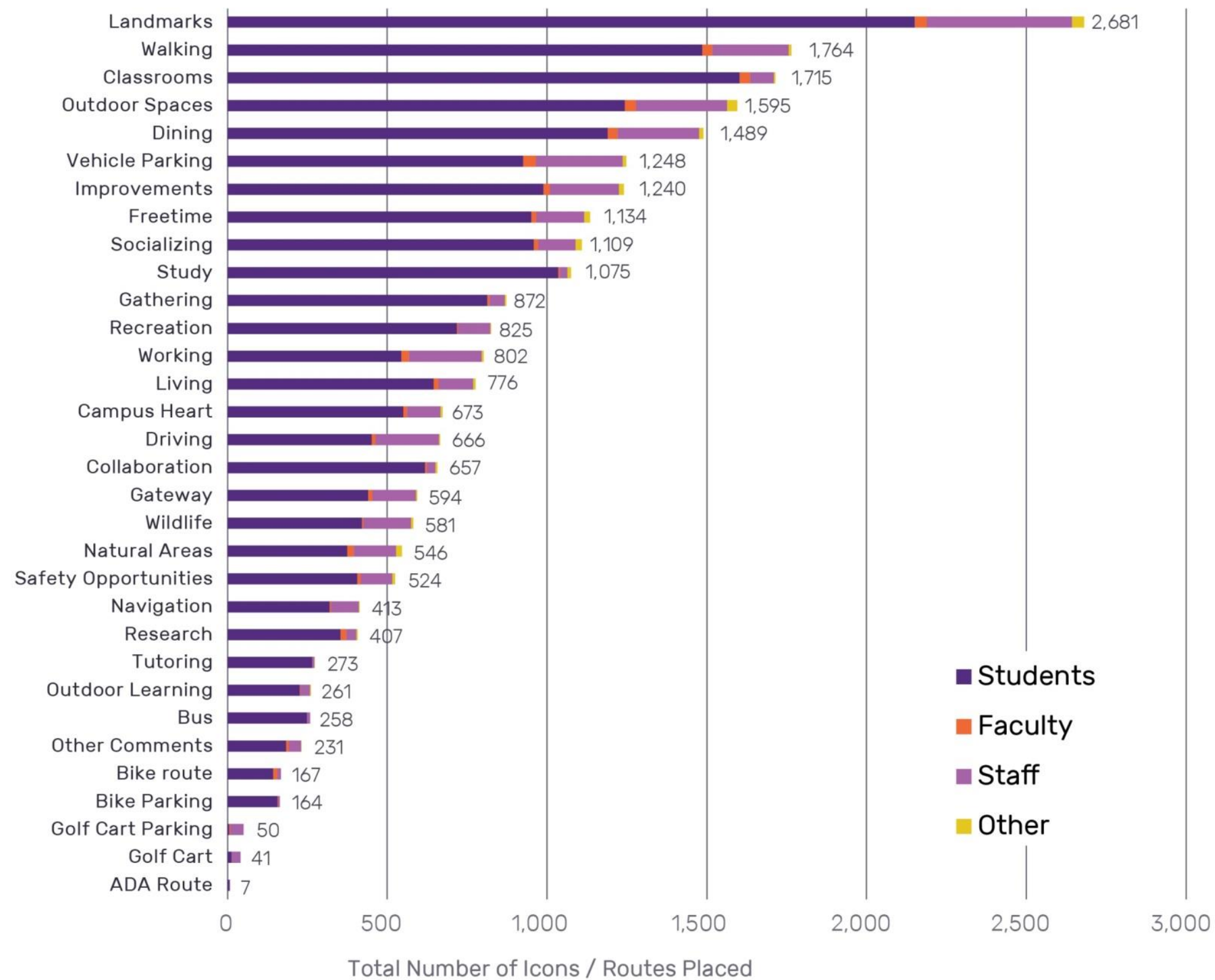
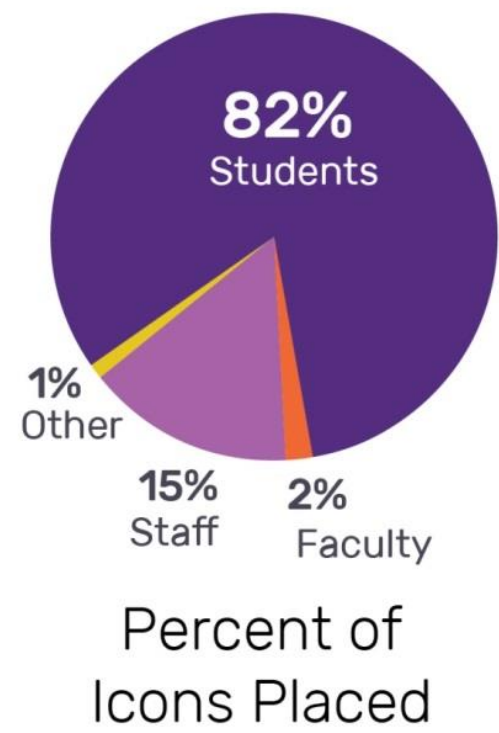
# Survey Respondent Overview

TYPE OF RESPONDENT



# Icon Summary

BY RESPONDENT TYPE



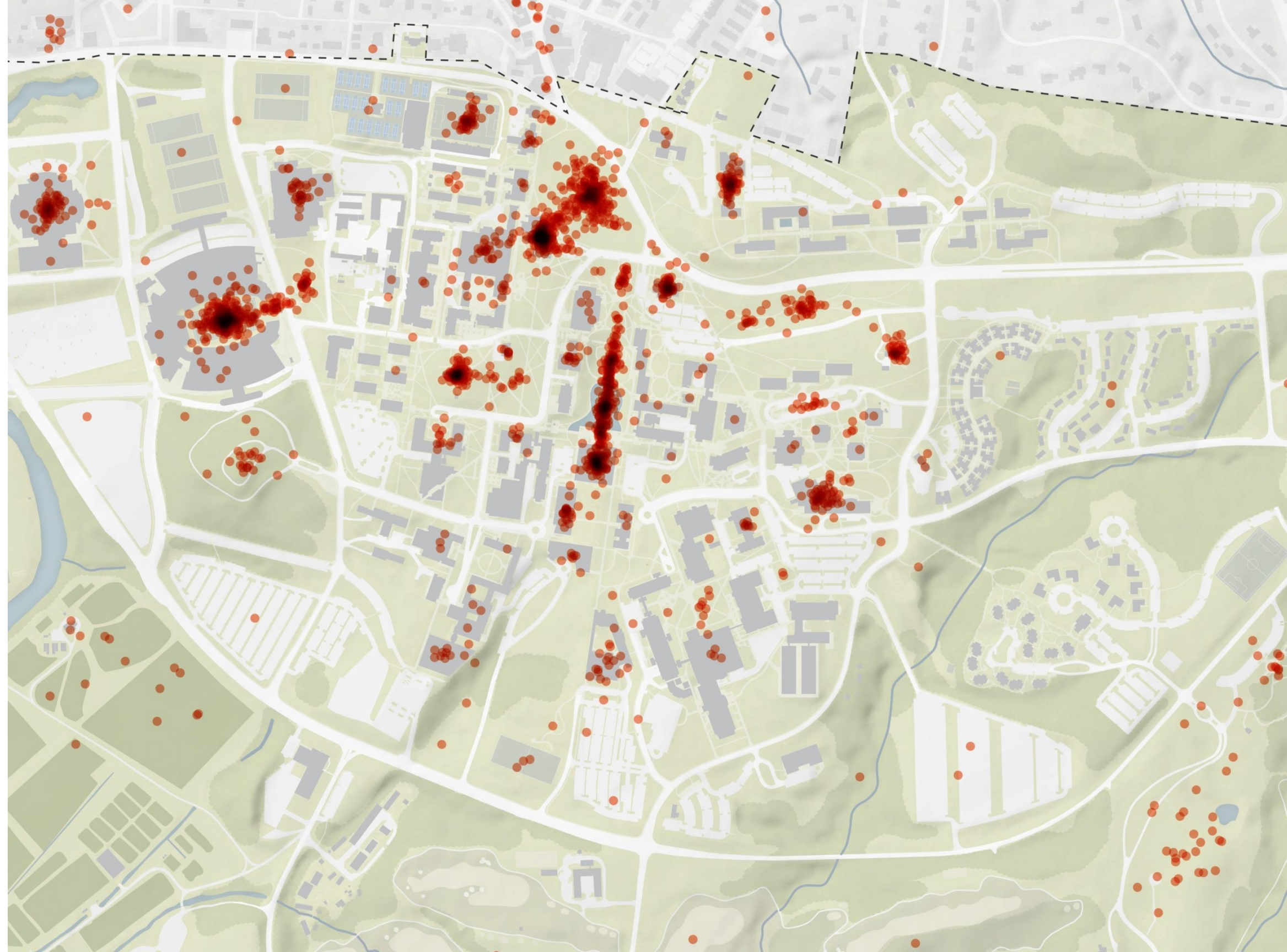


# Structure & Sense of Place

## LANDMARKS

- Bowman Field & Tillman
- Carillon Garden, Amphitheater, Reflecting Pond, & Library
- Fort Hill & wooded quad
- Hendrix Center
- Death Valley, Littlejohn, Riggs Field, and Fike
- Agricultural fields and Botanical Gardens

● Landmarks





# Structure & Sense of Place

## LANDMARKS

Tillman used to be a very iconic place for me (before I became a student) Now that I know who Tillman was I am no longer impressed.

Seeing Tillman tells me I'm home.

Death Valley!  
Football, Go Tigers!

The trees and vast green spaces in the middle of campus are what made me fall in love with Clemson on my first visit here.

We are blessed to go to school whose back yard is a lake. The reason why Auburn will never be better than Clemson

Favorite view looking back toward reflection pool.

Library Bridge is the main directional place my friends and I use when trying to meet up/find each other

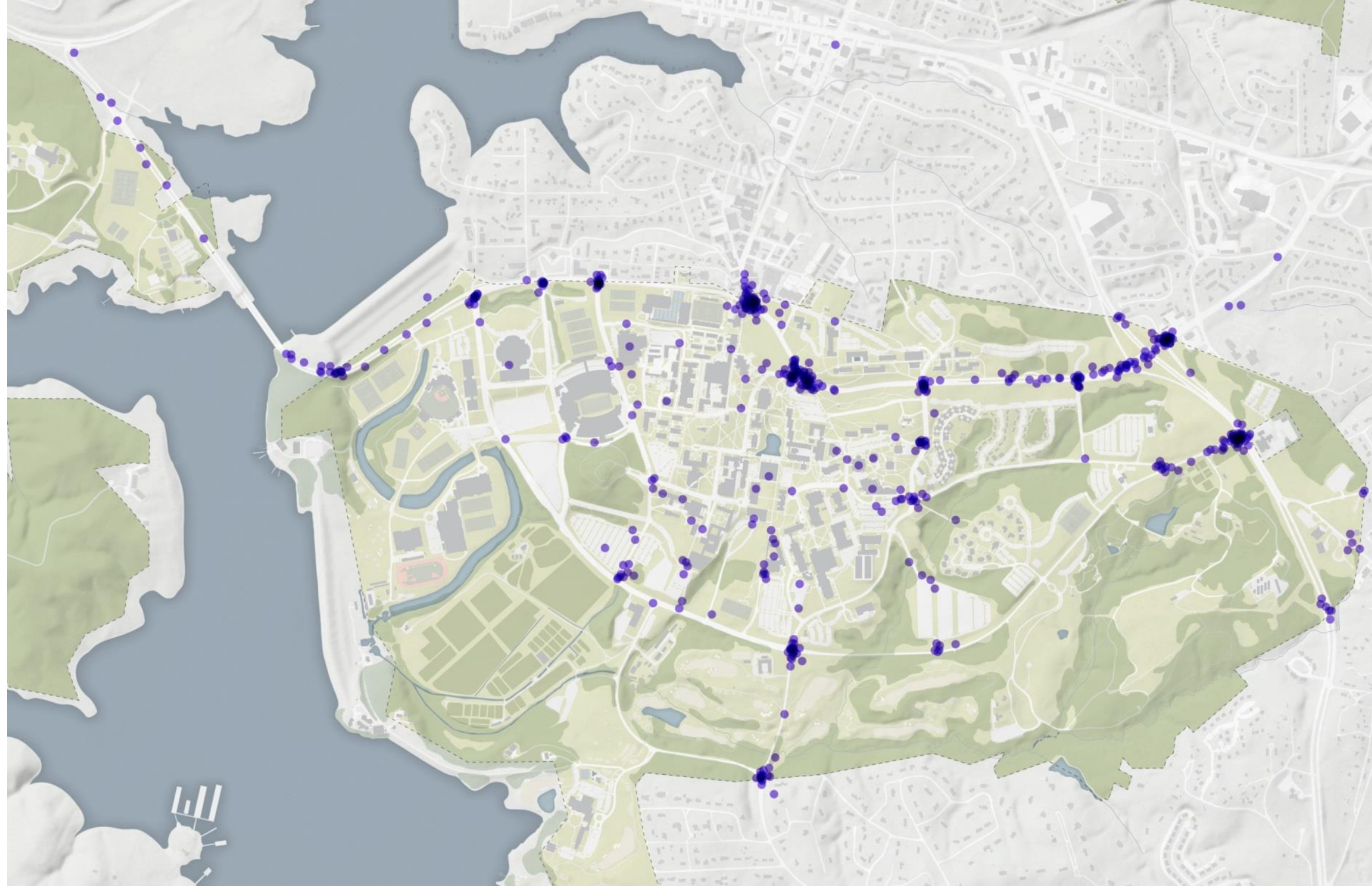
● Landmarks



# Mobility

## GATEWAYS

- Most frequently noted gateways along 93 at College Ave and Sikes
- Other primary gateways along 93 at 76 , when crossing Lake Hartwell, and at 76 and Perimeter
- Smaller gateways along Perimeter Road



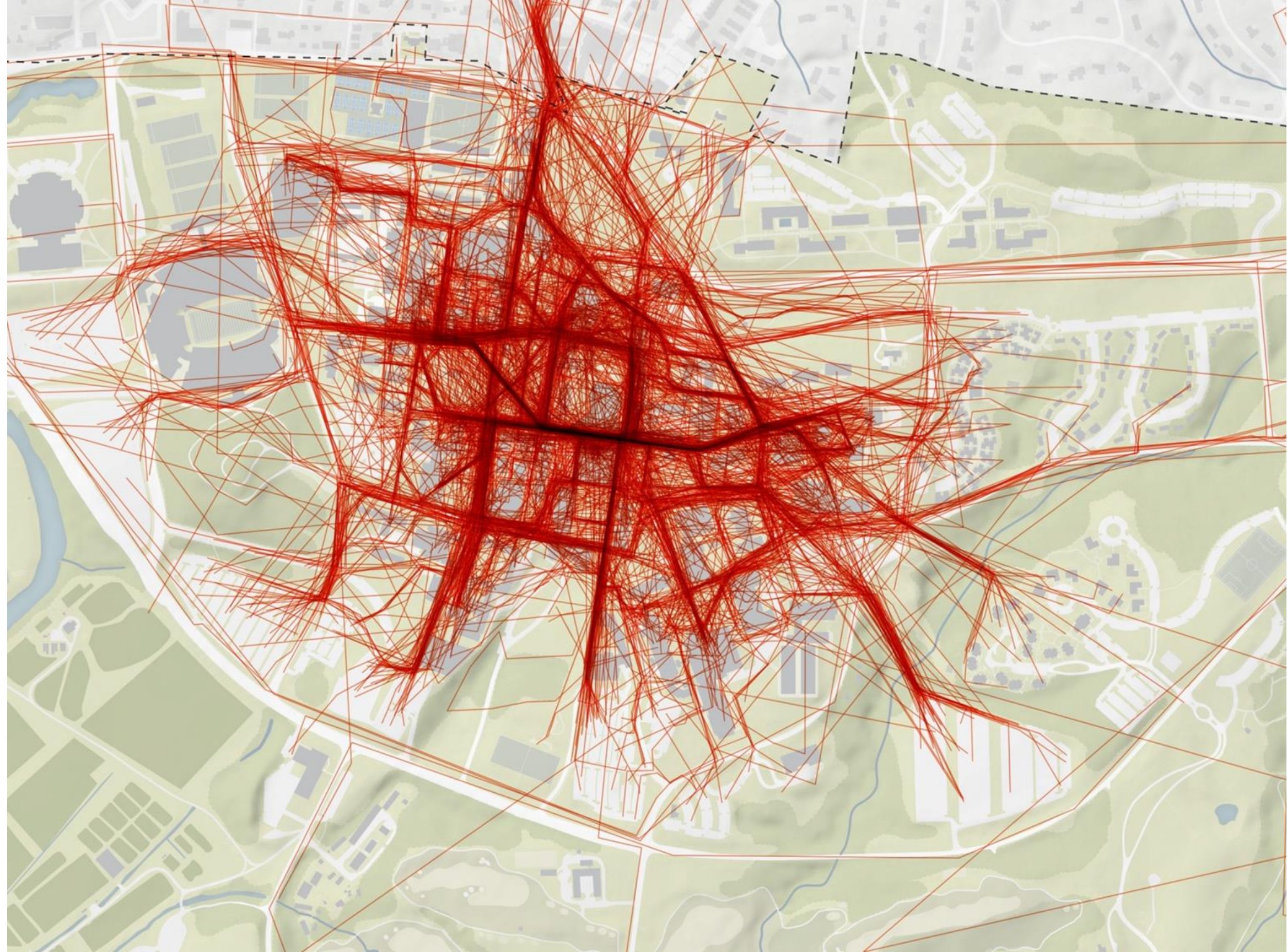
● Gateway



# Mobility

## PEDESTRIAN ROUTES

- Library Bridge and Fort Hill diagonal path are most frequently used walking routes
- Connections north-south between Tillman-Lee and Sikes-Brooks also significant
- Connections back to parking lots and residential areas

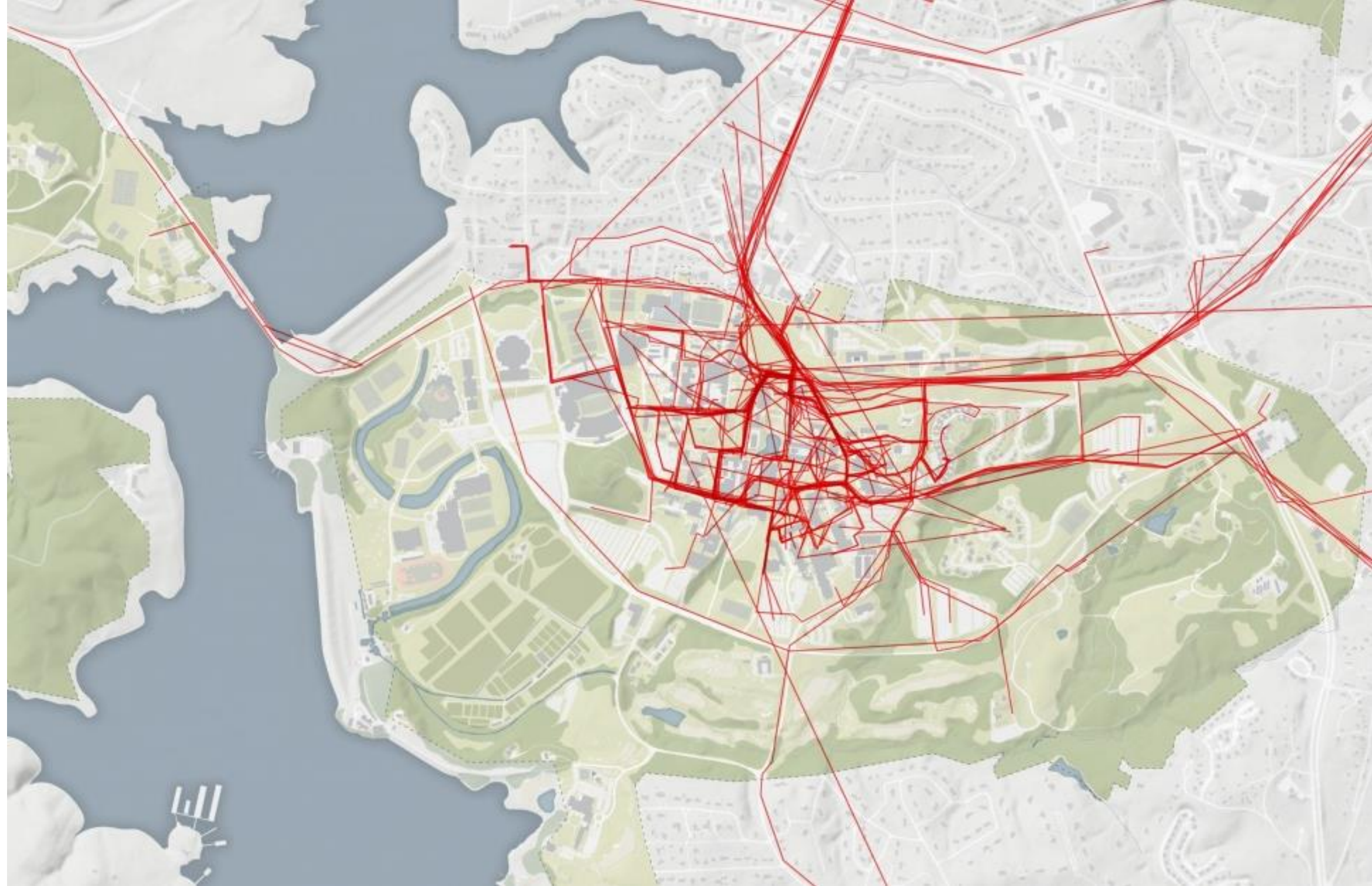




# Mobility

## BIKE ROUTES

- Significantly more bicycle traffic enters from downtown Clemson and east
- Perimeter Road was infrequently marked as bicycling route on survey
- Significant bicycle traffic all across central campus





# Mobility

## TRANSIT ROUTES

- Significant differences in east/west routes
- East route primarily links to parking lots; loop route
- West loop links to Downtown Clemson & Central; out-and-back route

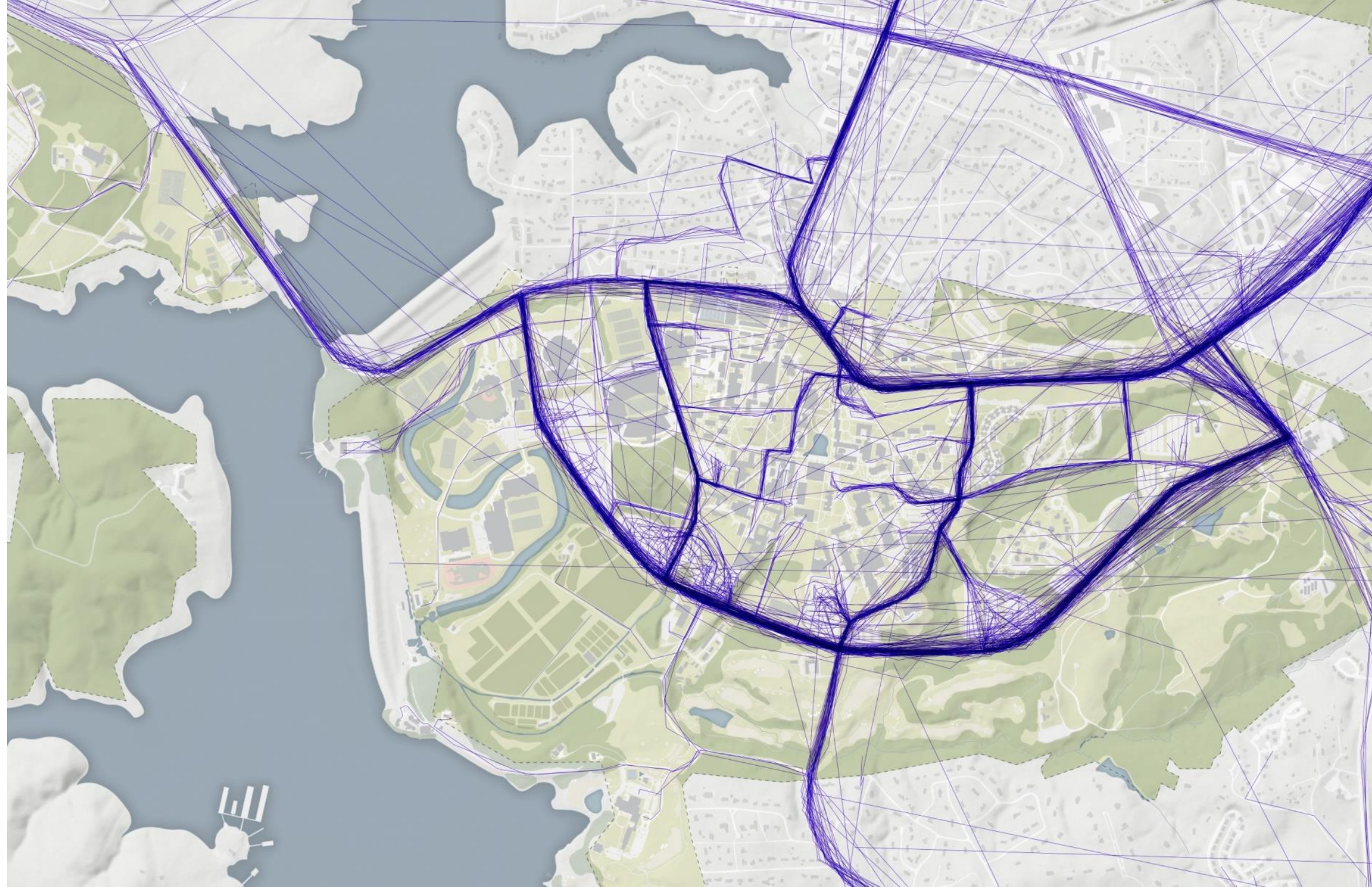




# Mobility

## DRIVING ROUTES

- Primary connections along 93 and Perimeter Road drawn
- Secondary connections along Cherry Rd. and Williamson Rd.
- Several routes in central campus appear to be based on entering parking lots (Sikes & Library lot east)
- Lots of driving around within parking lots drawn



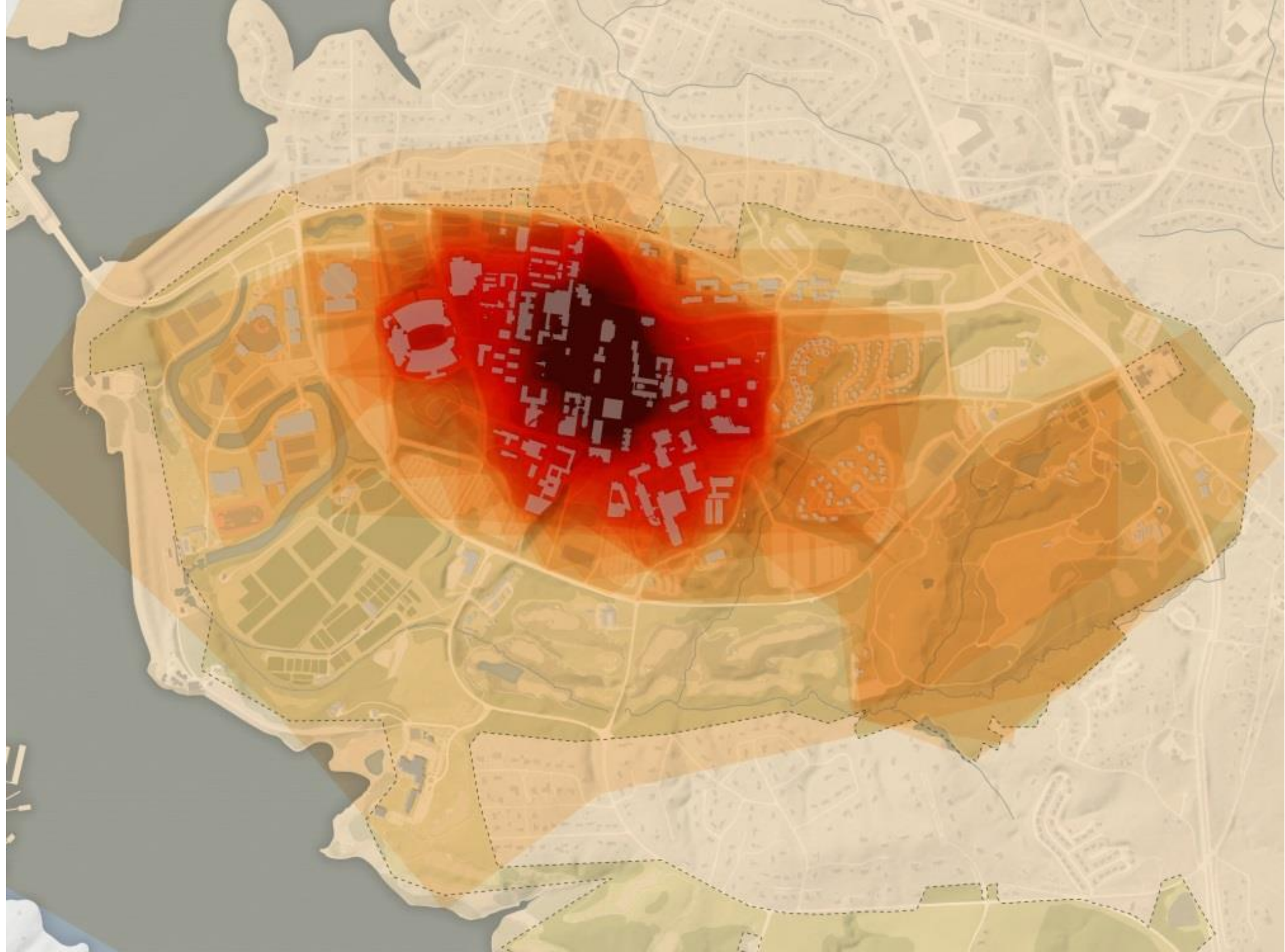
— Driving Route



# Academic & Research Life

## HEART OF CAMPUS

- Distinct layers of areas considered the heart of campus
- Central heart: South of Bowman to Library, including Daniel to east and Fort Hill to West
- Secondary core including Stadium and academic bldgs east to Cherry Rd
- Parking lots along Perimeter mark a transition to areas much less frequently considered the heart of campus

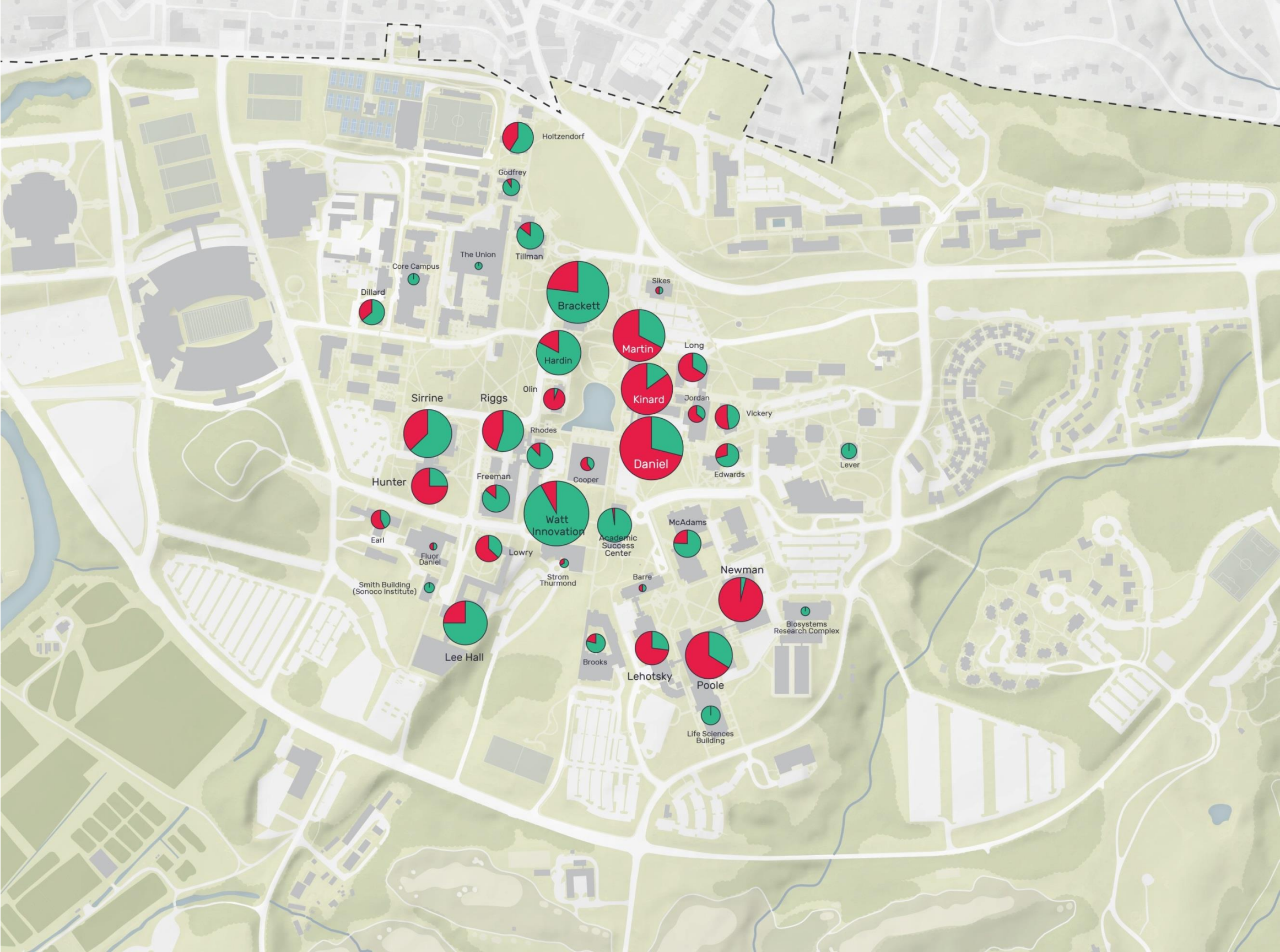
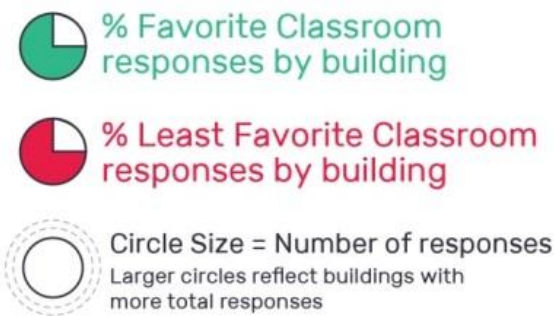




# Academic & Research Life

## CLASSROOMS

- More favorite classrooms in buildings on west side of campus
- Highest marks for Academic Success Center, Lever, Watt, and Life Sciences Building
- Least favorite classrooms in Newman, Kinard, and Olin





# Academic & Research Life

## CLASSROOMS



Favorite Classrooms characteristics:

- ♦ “Historic” feel
- ♦ Natural light
- ♦ New / updated spaces
- ♦ Comfortable rooms
- ♦ Convenient building locations



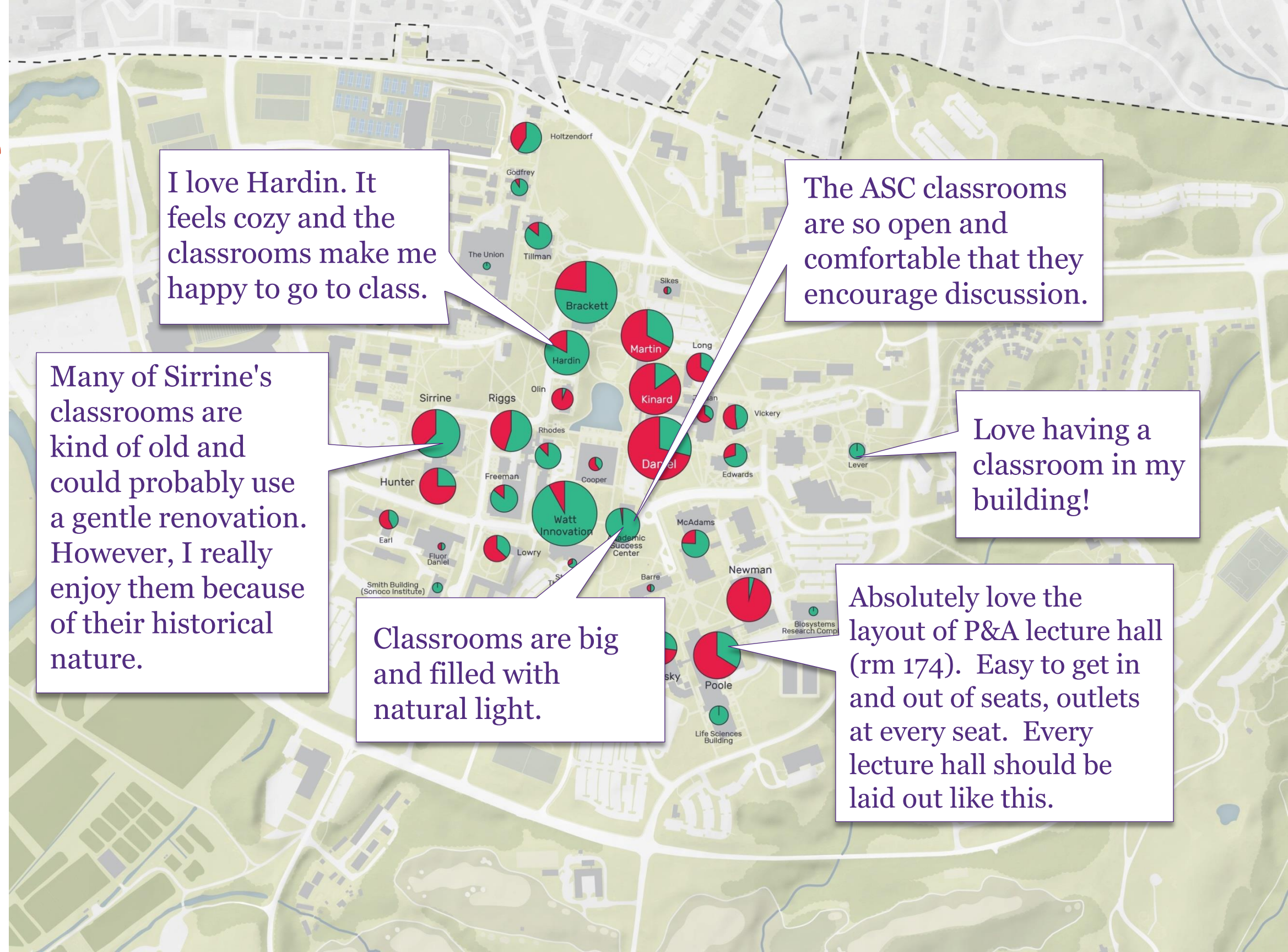
% Favorite Classroom responses by building



% Least Favorite Classroom responses by building



Circle Size = Number of responses  
Larger circles reflect buildings with more total responses





# Academic & Research Life


## CLASSROOMS



Least Favorite Classroom characteristics:

- ♦ Old/outdated spaces
- ♦ Desks that are uncomfortable, have insufficient space for writing, or that block rows
- ♦ Insufficient outlets
- ♦ Not enough natural light
- ♦ Located too far from other classes or dorms
- ♦ Classrooms that are too small for number of students

 % Favorite Classroom responses by building

 % Least Favorite Classroom responses by building

 Circle Size = Number of responses  
Larger circles reflect buildings with more total responses

Okay classrooms, just really far from the rest of the engineering curriculum.

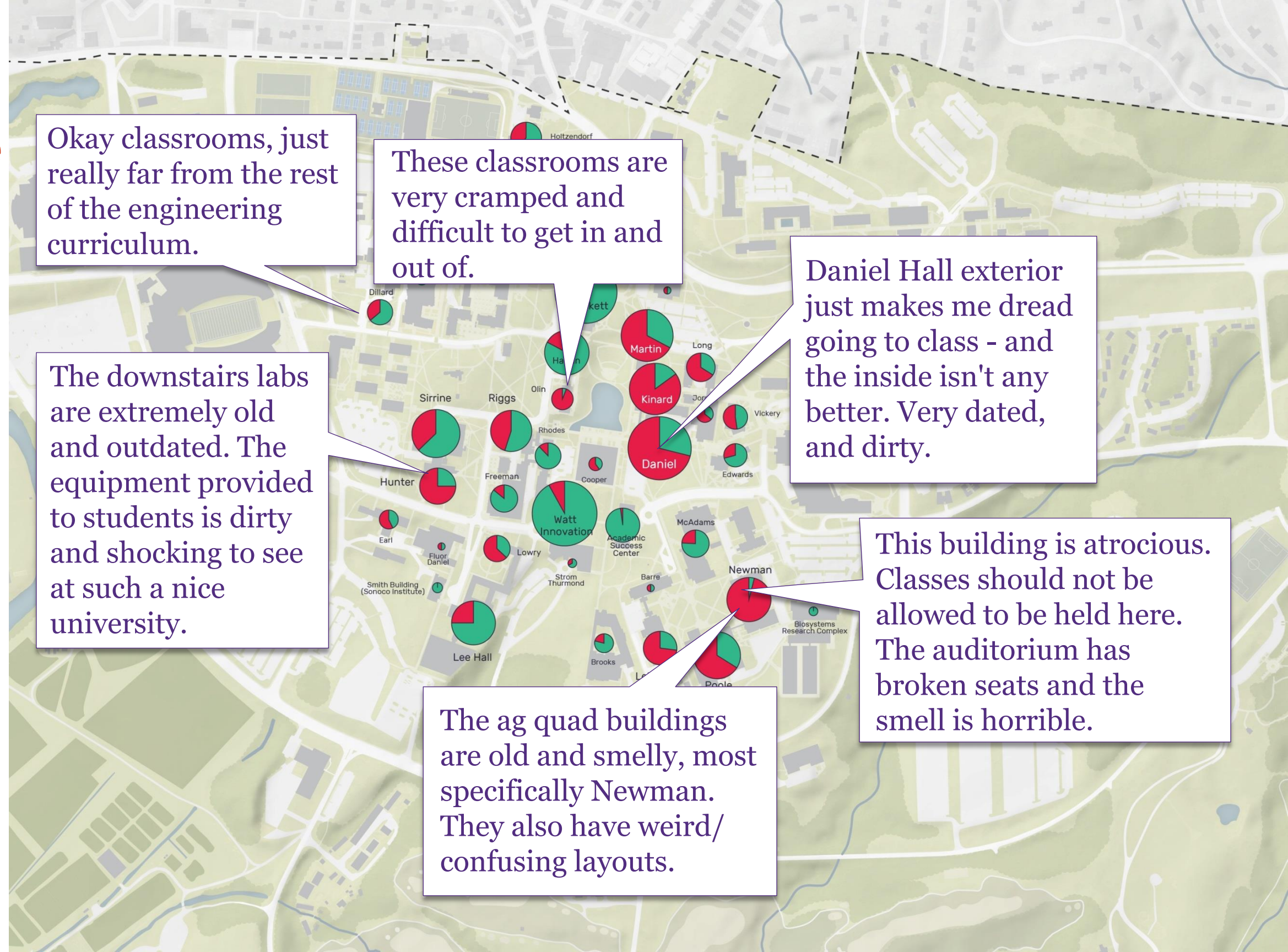
These classrooms are very cramped and difficult to get in and out of.

The downstairs labs are extremely old and outdated. The equipment provided to students is dirty and shocking to see at such a nice university.

Daniel Hall exterior just makes me dread going to class - and the inside isn't any better. Very dated, and dirty.

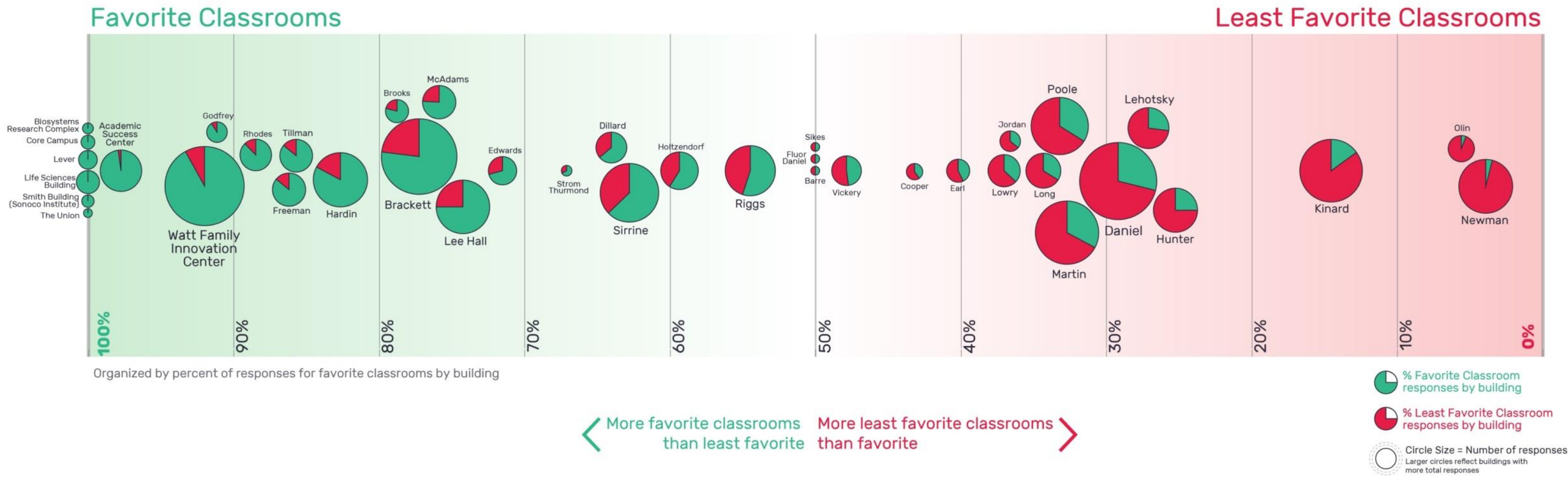
This building is atrocious. Classes should not be allowed to be held here. The auditorium has broken seats and the smell is horrible.

The ag quad buildings are old and smelly, most specifically Newman. They also have weird/confusing layouts.



# Academic & Research Life

## FAVORITE & LEAST FAVORITE CLASSROOMS



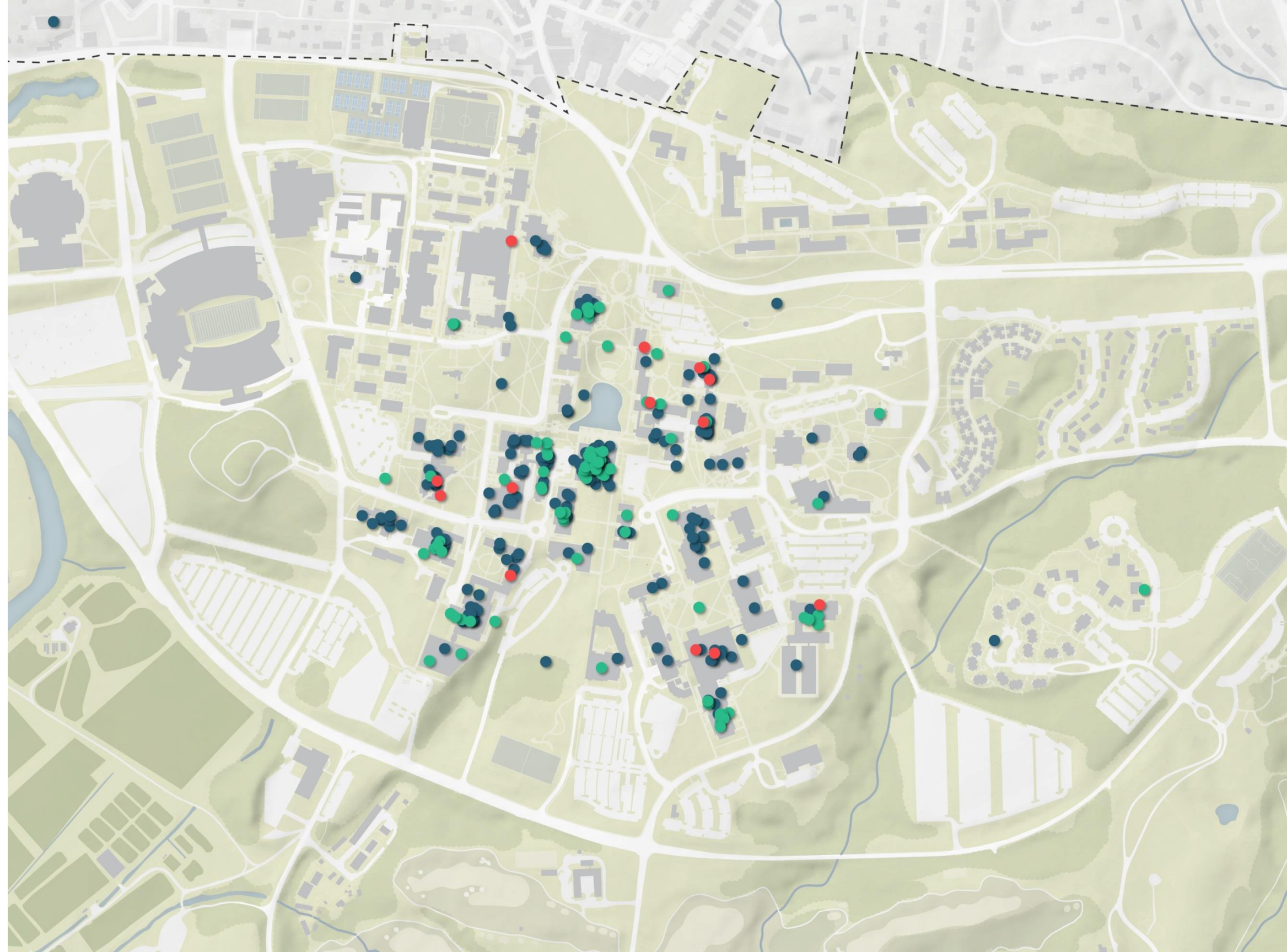


# Academic & Research Life

## RESEARCH

- Only a handful of faculty took survey, so responses reflect primarily student research impressions
- Cooper Library, Rhode, Fluor Daniel, Life Sciences, and Biosystems Research Complex all were noted as high quality spaces for research
- Few spaces marked as low quality
- Many references to online research

- Research Quality not indicated
- High Quality
- Poor Quality





# Academic & Research Life

## COLLABORATION SPACES

- Primarily concentrated in Cooper, Watt, and Academic Success Center
- Significantly less collaboration indicated in other academic buildings by students
- Sense that it can be hard to find space for groups to collaborate – Library can be crowded

● Collaboration

Honors Center at Core has some good study rooms for groups

Now prefer this atrium.. a much more relaxed atmosphere than the library.

Lots of rentable spaces with nice technology

Great for groups if you can get a room which can be hard.

Not enough areas for quiet discussion





# Academic & Research Life

## STUDY SPACES

- Students say it can be hard to find a quiet, available space to study
- Significant studying in Library, Watts, and Academic Success Center
- Core Campus emerging as a key study space in the northv campus
- Desire inside

Lee library offers a nice, quiet, and lesser known nook on campus (with lots of natural light) to study.

Very nice lounges with plenty of room to study. Needs more outlets around the room.

Study in Starbucks - the newer one isn't as nice as the old one.

The student lounge in Sirrine is not a bad place to study if you can find a table.

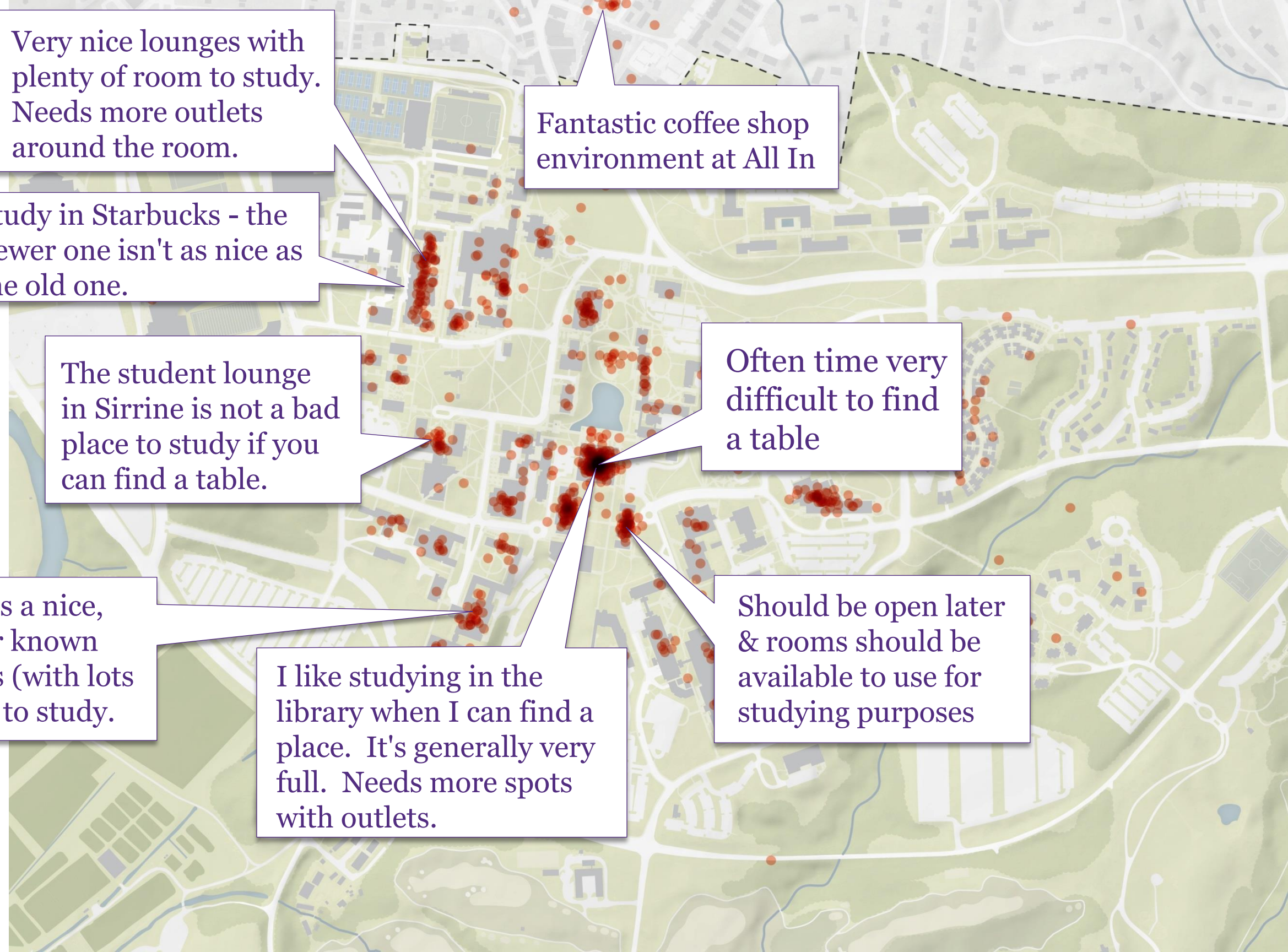
I like studying in the library when I can find a place. It's generally very full. Needs more spots with outlets.

Fantastic coffee shop environment at All In

Often time very difficult to find a table

Should be open later & rooms should be available to use for studying purposes

● Studying





# Campus Life

## LIVING & DINING

- East and west neighborhoods clearly defined in mapping
- Fewer eating or dining spots in the southern half of campus, especially in Area 1
- Core Campus already emerging as a mixed use anchor for western campus
- Comments say it can be hard to find seating in dining halls, Hendrix, and Canteen
- Desires for later bus service to off-campus areas

- Living
- Dining

I do not feel safe crossing the 123 or 133, even in the crosswalk. Drivers do not know that they are supposed to yield to pedestrians in the crosswalk.

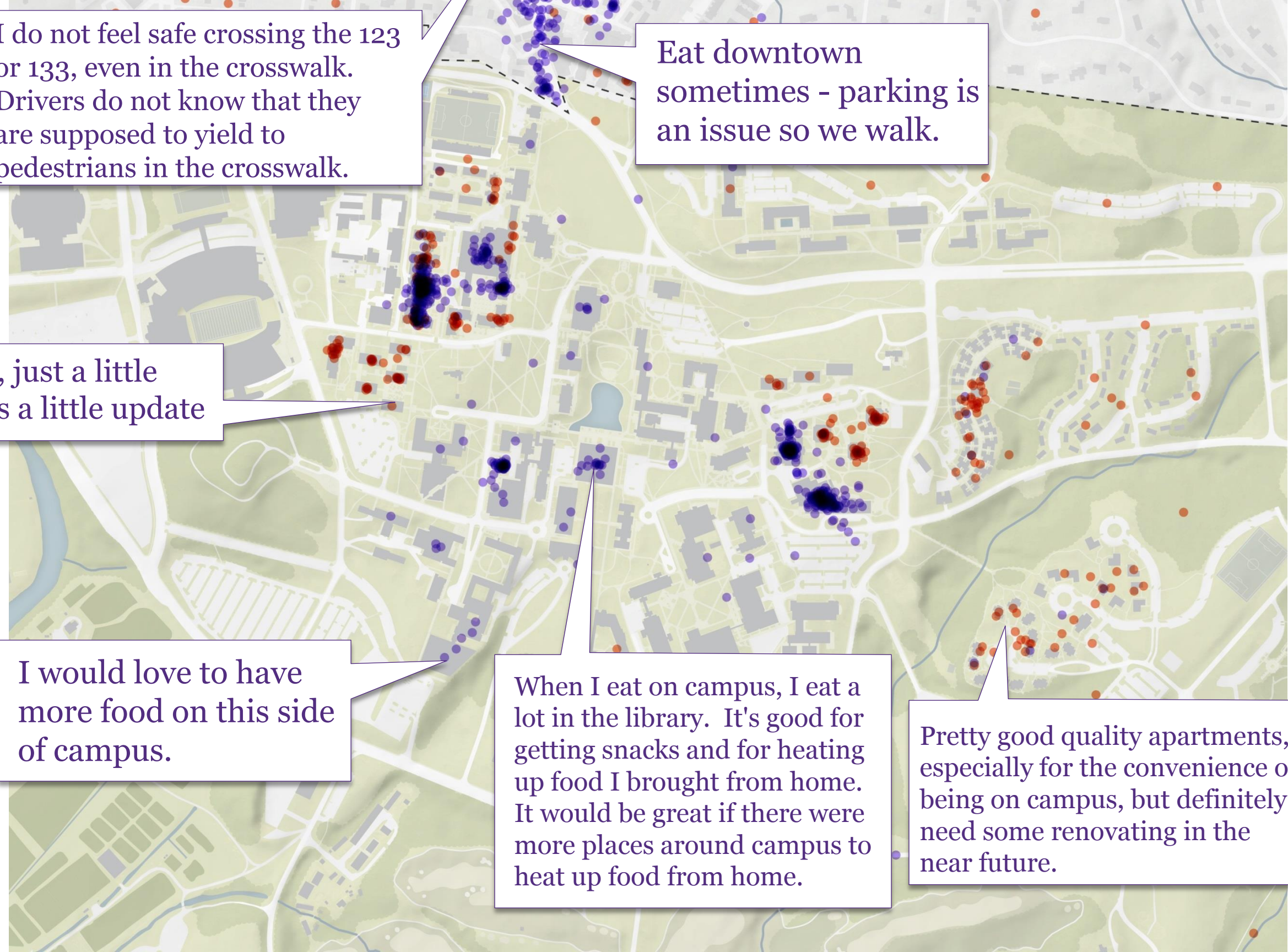
Eat downtown sometimes - parking is an issue so we walk.

Awesome, just a little old. Needs a little update

I would love to have more food on this side of campus.

When I eat on campus, I eat a lot in the library. It's good for getting snacks and for heating up food I brought from home. It would be great if there were more places around campus to heat up food from home.

Pretty good quality apartments, especially for the convenience of being on campus, but definitely need some renovating in the near future.



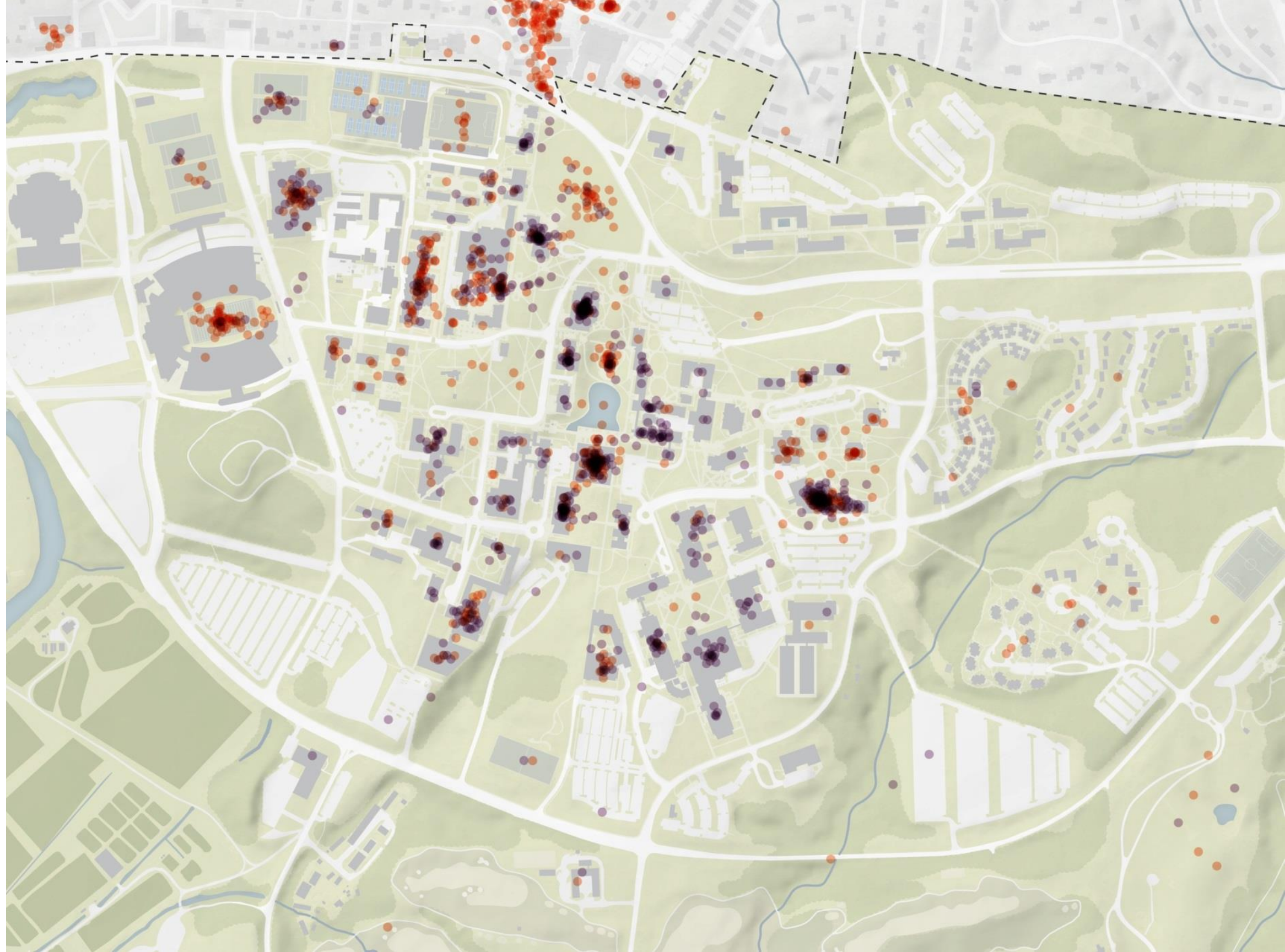


# Campus Life

## SOCIALIZING & GATHERING

- Gathering most common in Hendrix and Cooper, but also in many academic buildings
- Socializing occurs across campus, and in downtown Clemson

● Gathering  
● Socializing





# Campus Life

## SOCIALIZING & GATHERING

C-L-E-M-S-O-----N!

- Gathering most common in Hendrix and Cooper, but also in many academic buildings
- Socializing occurs across campus, and in downtown Clemson
- Clubs can have trouble finding suitable spaces to meet

- Gathering
- Socializing

I enjoy being active with friends at Fike.

Running club meets here, pretty ideal

I met a lot of new people here and was always hanging out with my friends when we weren't in class. Plus the staff is amazing!

Hard to get rooms that we need for club meetings unless planned well in advance.

Hendrix is a nice place to sit around and meet up with people. Unfortunately, its all the way on the other side of campus.

I spend most of my time here. Even when I don't have classes I can go here and, inevitably, there will be someone else here to talk to.

Love going on walks through this place. This should be showed off more and told to students. Advertise these trails and spruce it up a bit. (No pun intended)

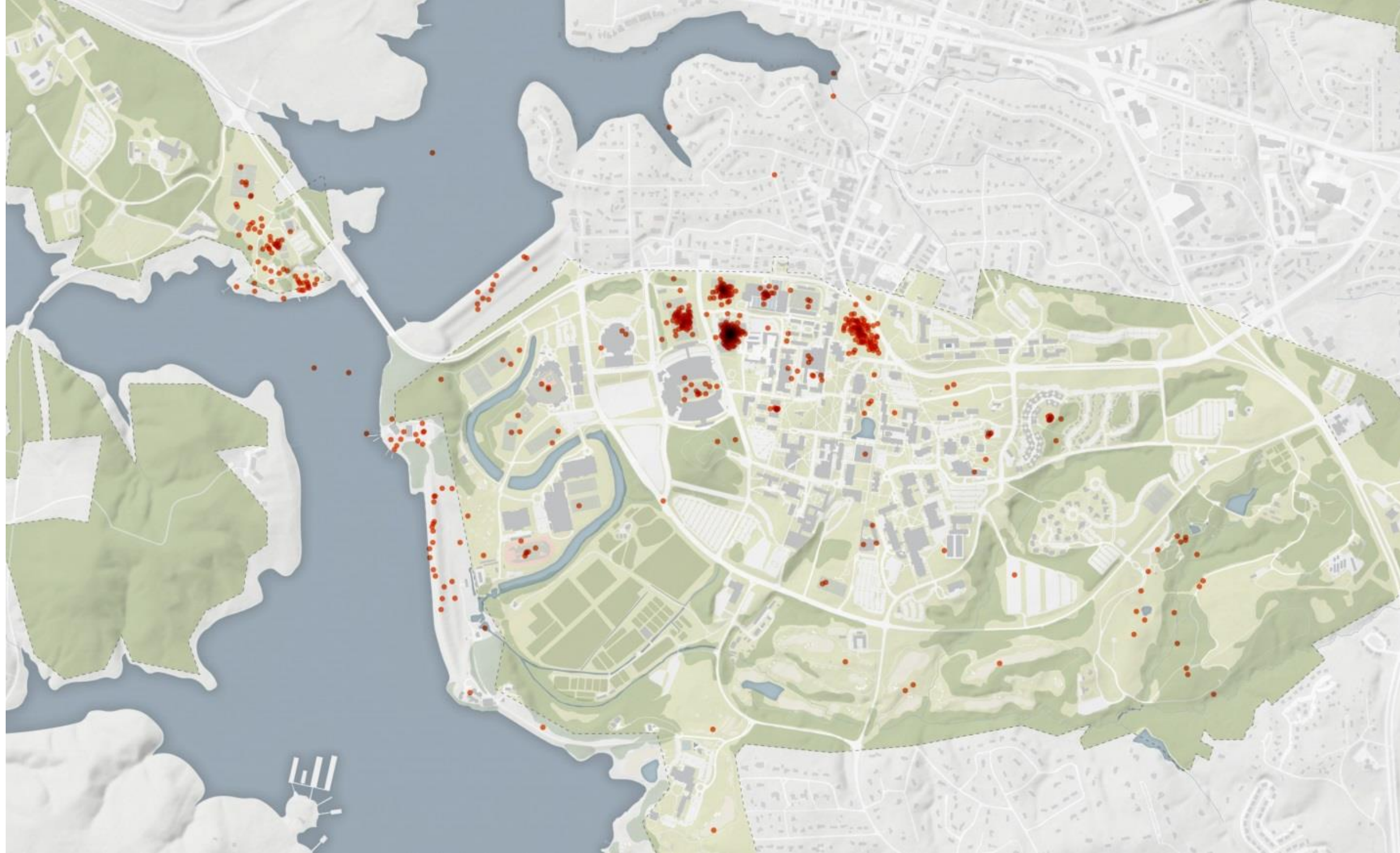




# Campus Life

## RECREATION SPACES

- Concentrated in north and western half of campus
- Bowman Field and IM Fields provide outdoor recreation opportunities
- Many comments reference that Fike is often crowded
- Running along dikes mentioned by some



● Recreation



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● Recreation



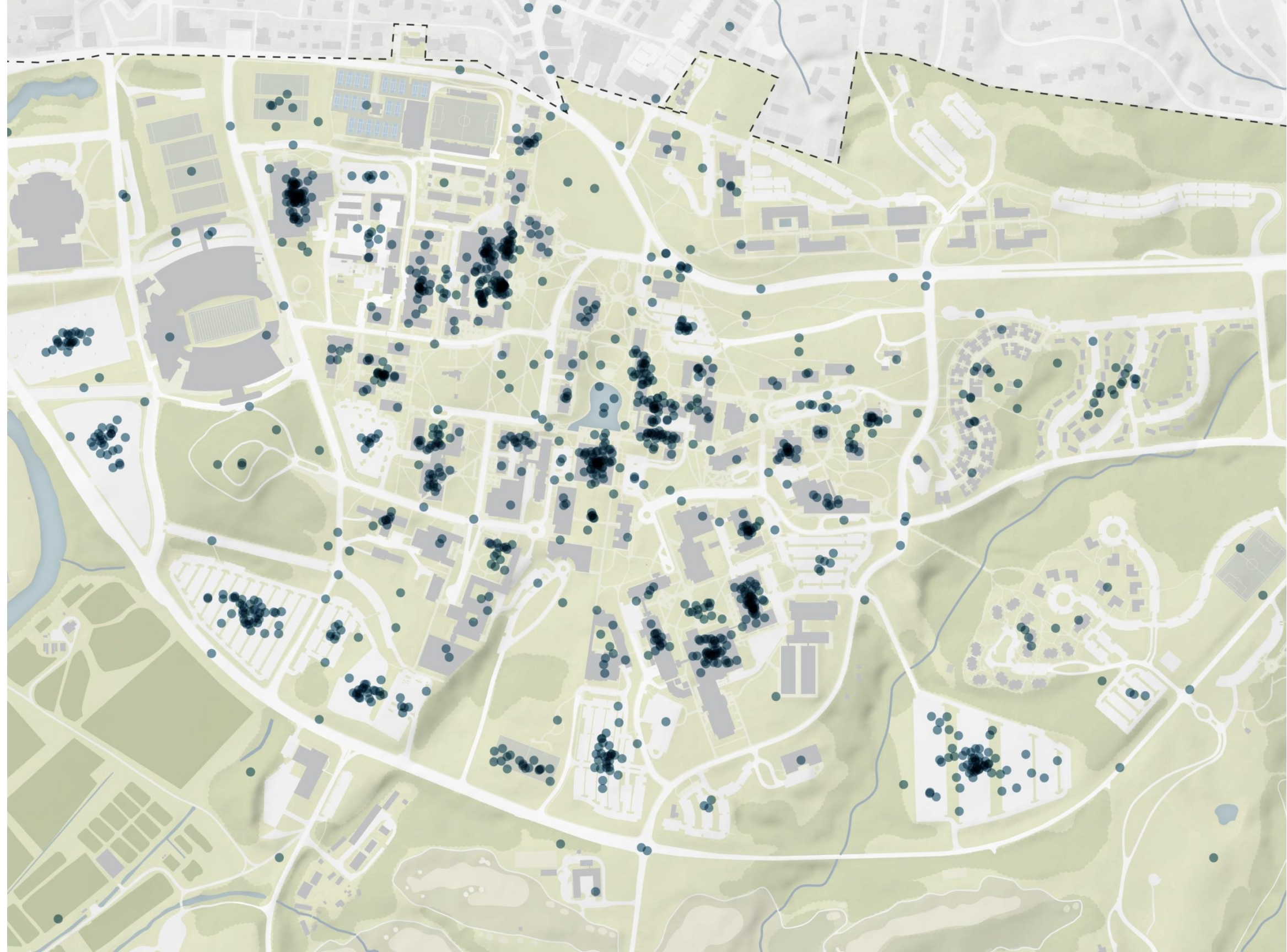


# Improvement

## IMPROVEMENT OPPORTUNITIES

- Building renovations
- More parking
- More open space
- More study space
- More recreation space
- More dining options
- Road / intersection improvements

● Improvement  
Opportunities





# Improvement

## IMPROVEMENT OPPORTUNITIES

- Building renovations
- More parking
- More open space
- More study space
- More recreation space
- More dining options
- Road / intersection improvements

● Improvement Opportunities

It's just too small for the amount of students.

Although there is one side here that tells drivers to share the lane with bicycles, the hectic traffic doesn't really allow for bike riding.

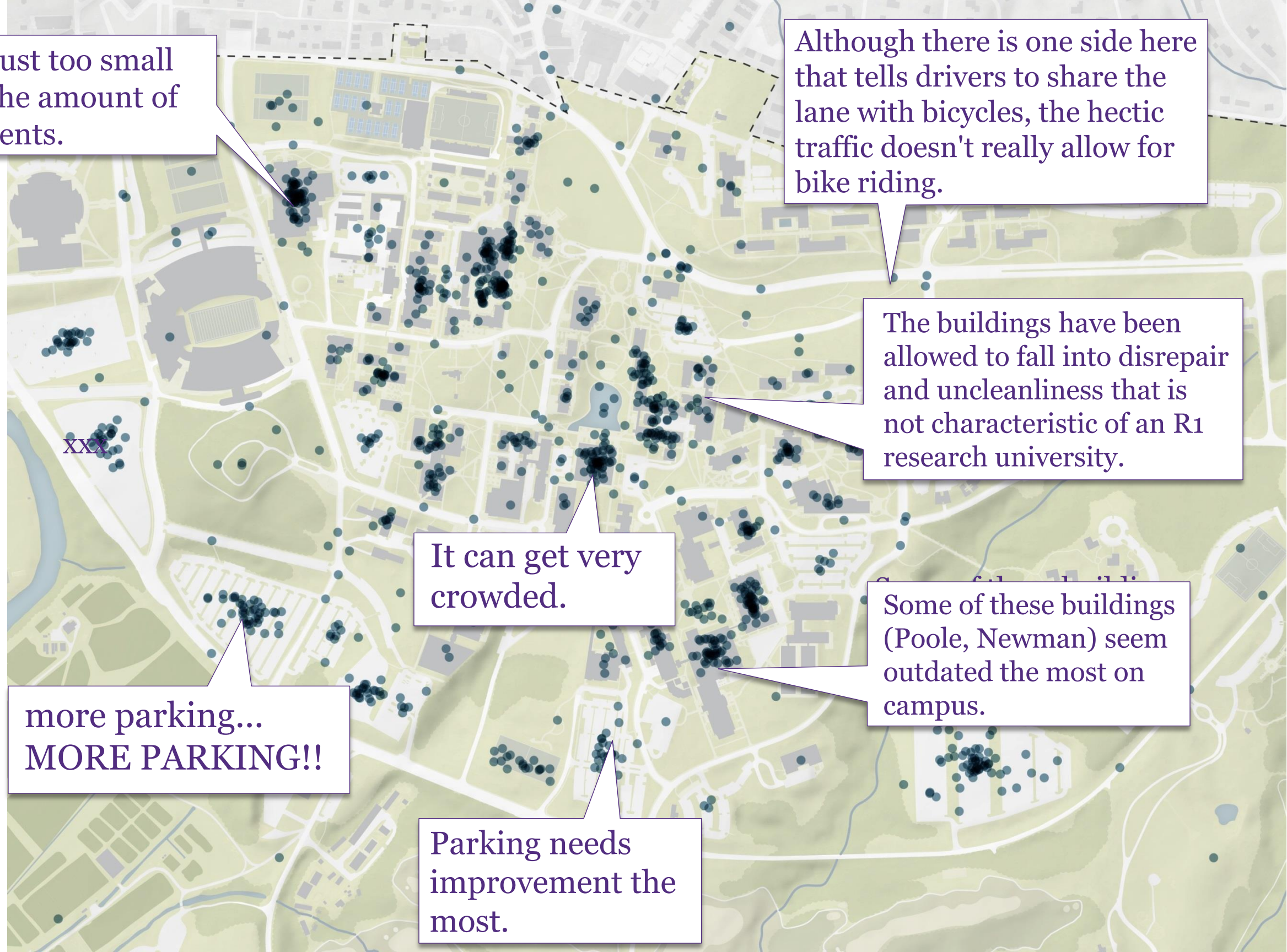
The buildings have been allowed to fall into disrepair and uncleanness that is not characteristic of an R1 research university.

It can get very crowded.

Some of these buildings (Poole, Newman) seem outdated the most on campus.

more parking...  
**MORE PARKING!!**

Parking needs improvement the most.





# Space Needs Summary



# Space Needs Summary

## WHAT WE HEARD

- ♦ Exploring space needs for a ten year timeframe; in alignment with strategic enrollment targets: 22,300 undergraduate students
- ♦ Expansion of the physical plant has not kept pace with the rate of enrollment growth in the last 10-15 years
- ♦ Significant facility investments have occurred at the innovation campuses in recent years
- ♦ Focus has been on maintaining the physical plant on the main campus
- ♦ High levels of room utilization reinforce the need for additional instructional space in the future
- ♦ Strong demand for small sections sizes reinforces the need to right-size instructional inventory
- ♦ Significant need for office space and study space both inside and outside the library
- ♦ Renovation/addition to Fike, new Snow Family Complex and HUB at Douthit Hills will address long term recreation space needs, plus additional outdoor fields
- ♦ Goal is to continue to accommodate the freshman class and 50 percent of the sophomore class
- ♦ Challenge will be to balance supply and demand for traditional-style dorms, which is the ideal configuration for first year students
- ♦ Planned and anticipated projects will help to meet the future space needs



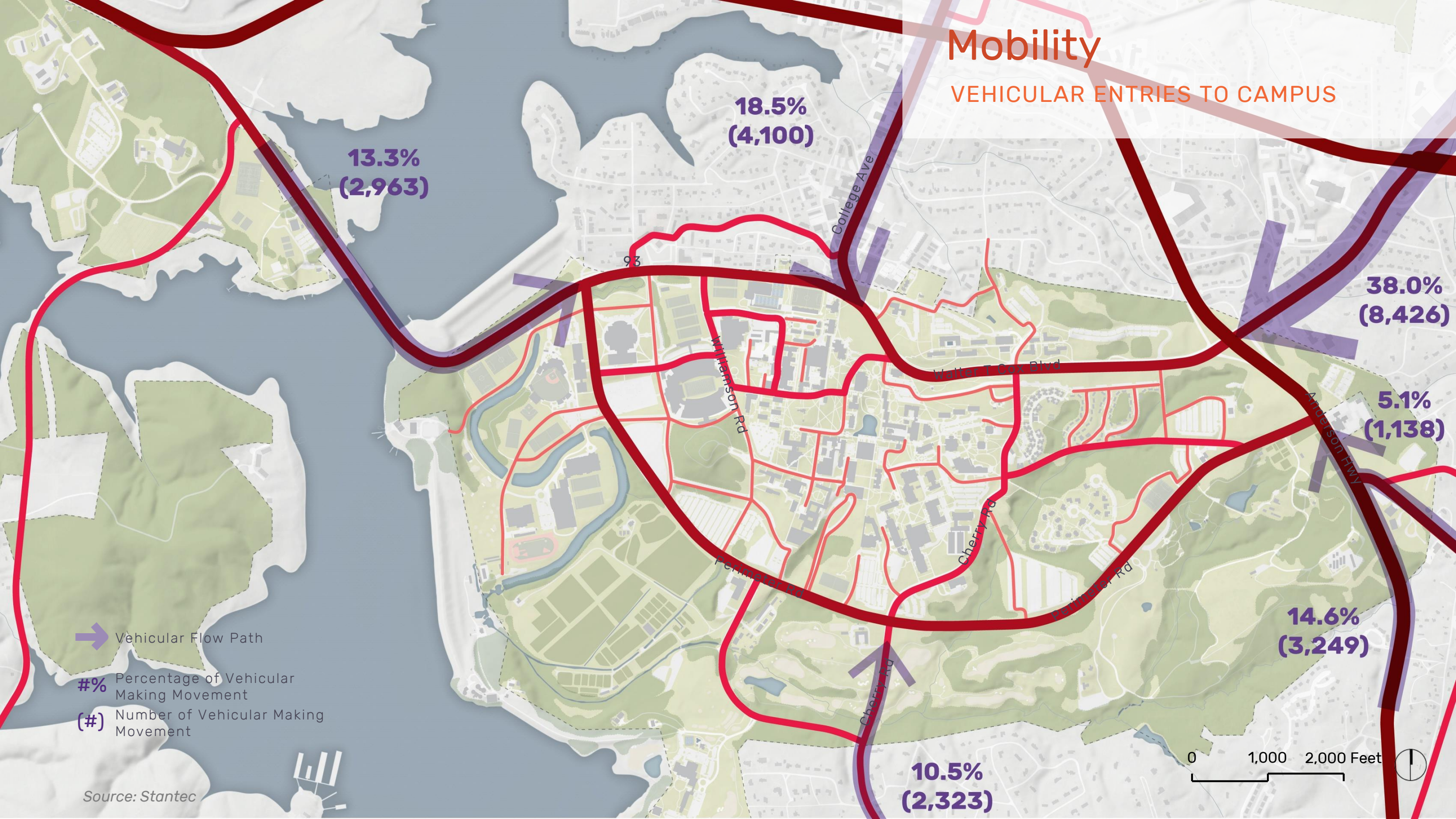
# Mobility





# Mobility

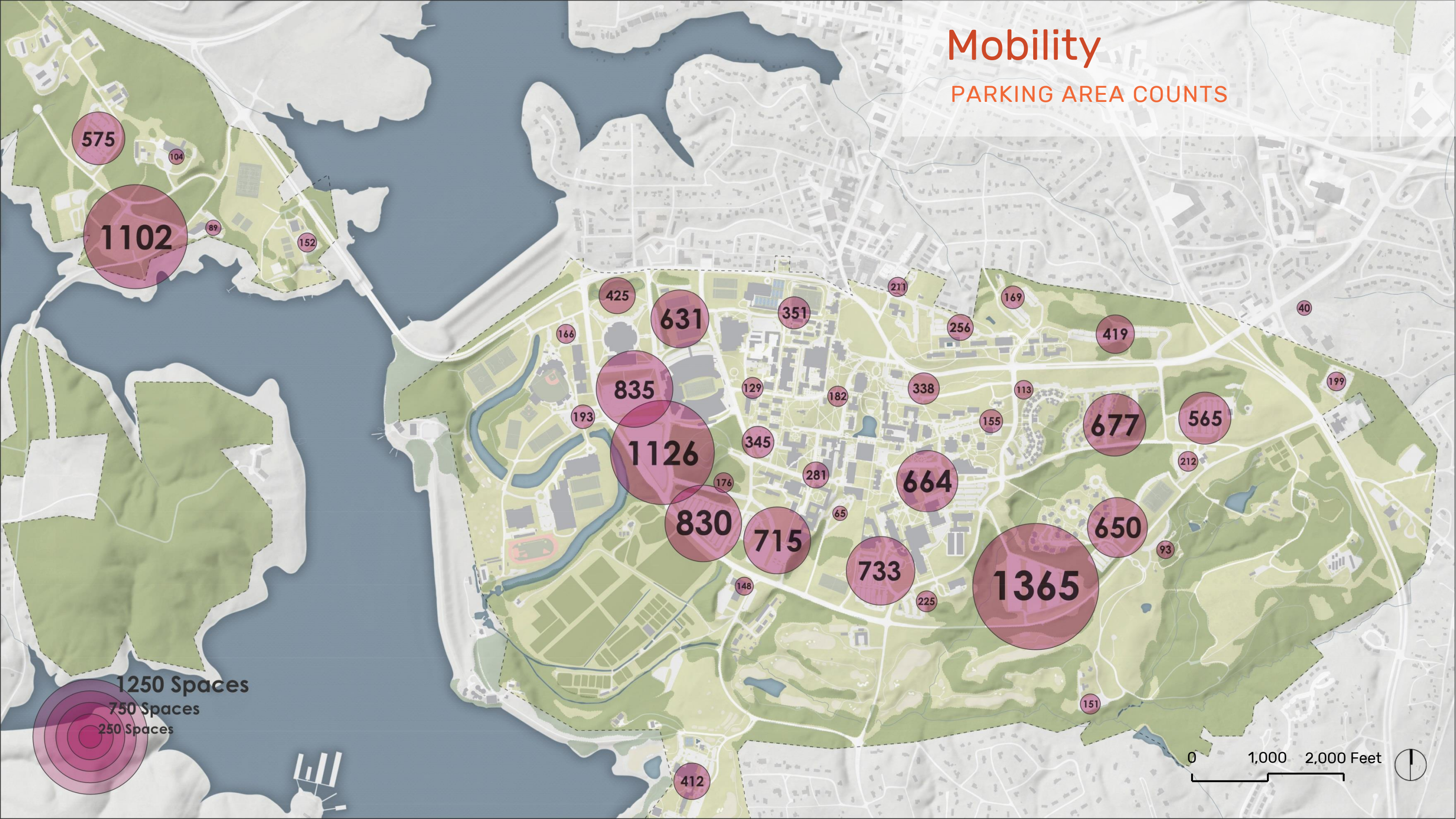
## VEHICULAR ENTRIES TO CAMPUS





# Mobility

## PARKING AREA COUNTS







# FRAMEWORK MAPPING

Postcard by Jonathan Balcombe (Class of 2015), Creative Services Internship



# Campus Hydrology



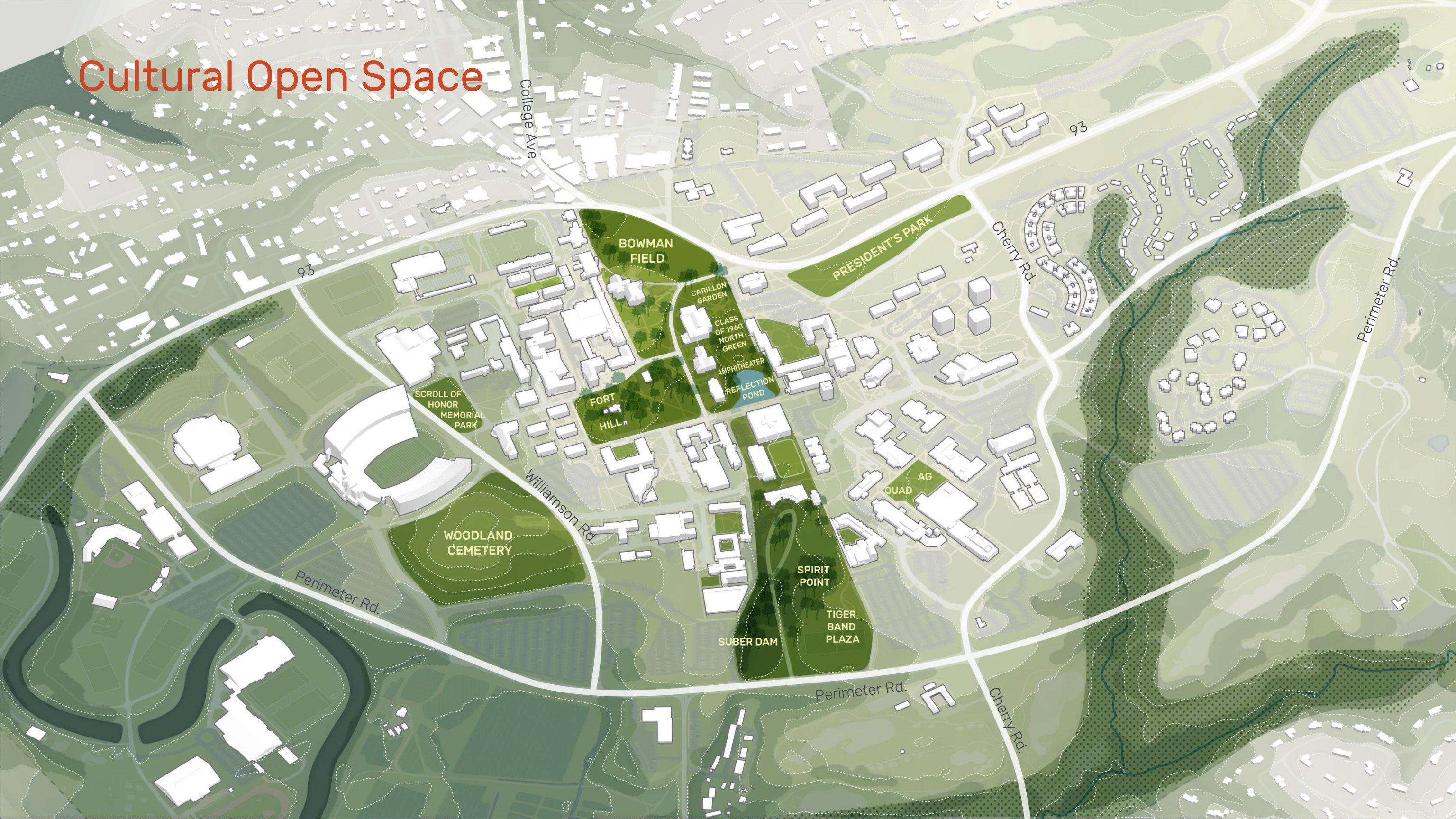


# Larger Land Holdings



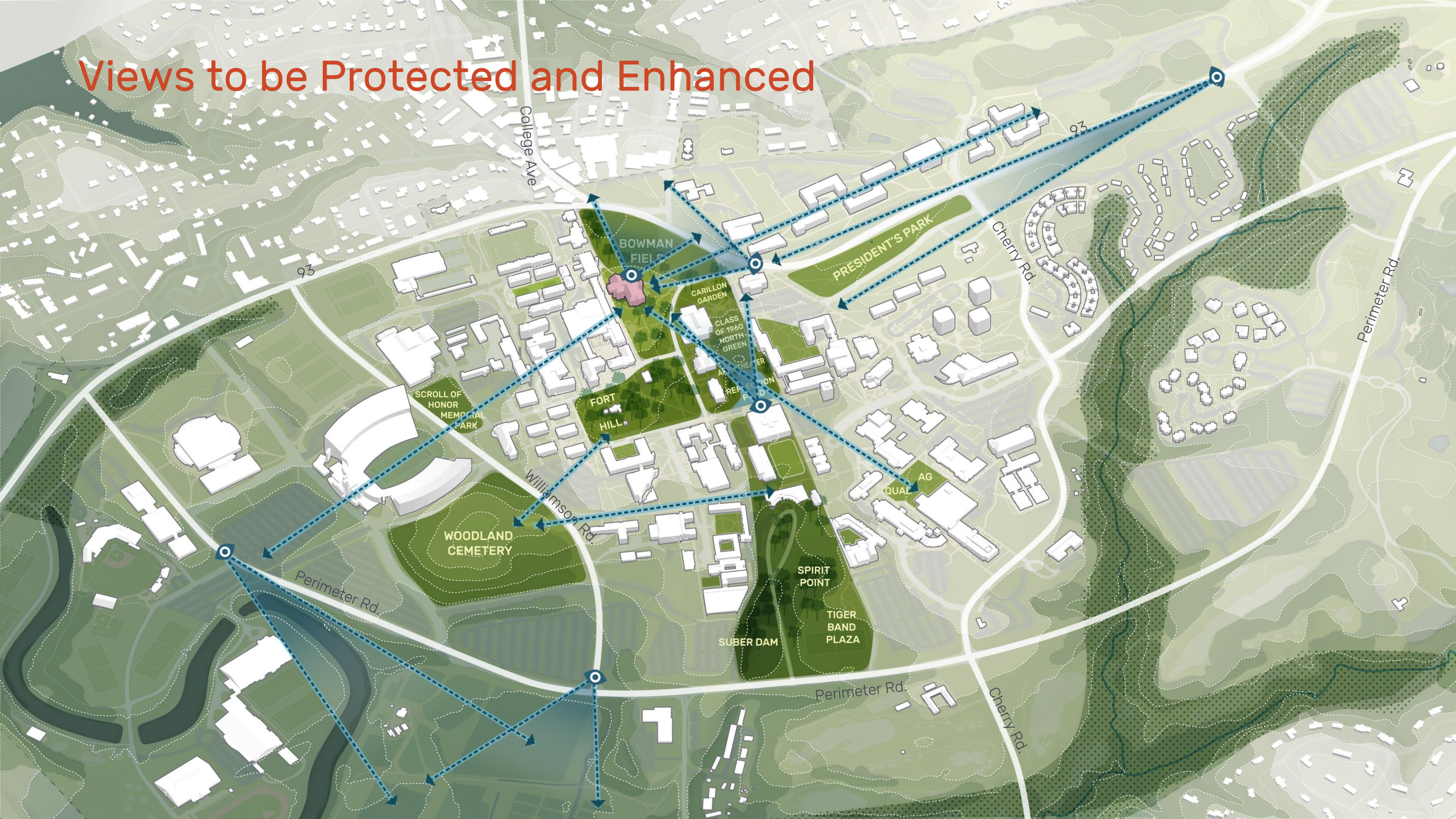


# Cultural Open Space





# Views to be Protected and Enhanced





# Pedestrian Networks



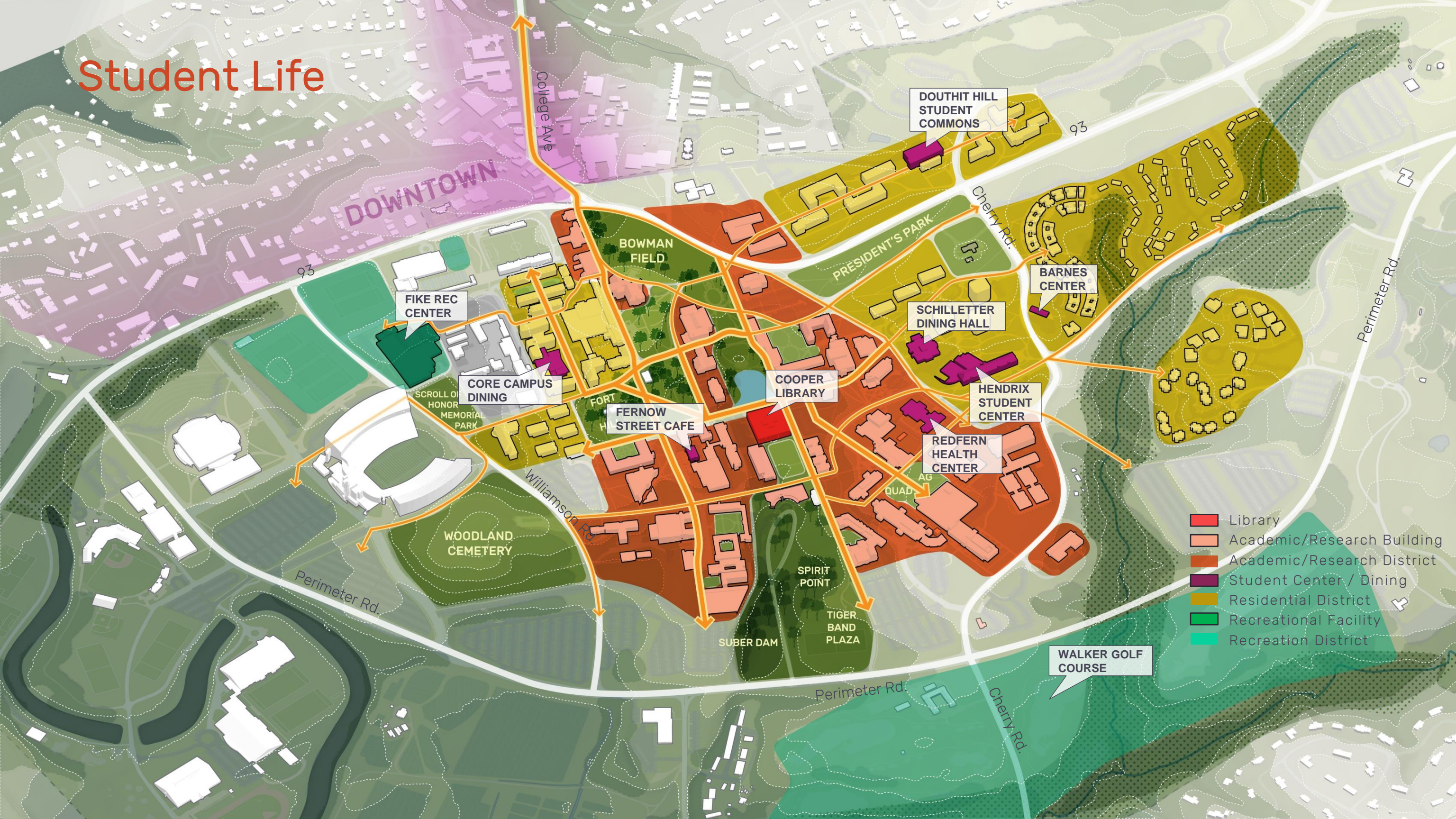


# Educational Mission





# Student Life



- Library
- Academic/Research Building
- Academic/Research District
- Student Center / Dining
- Residential District
- Recreational Facility
- Recreation District



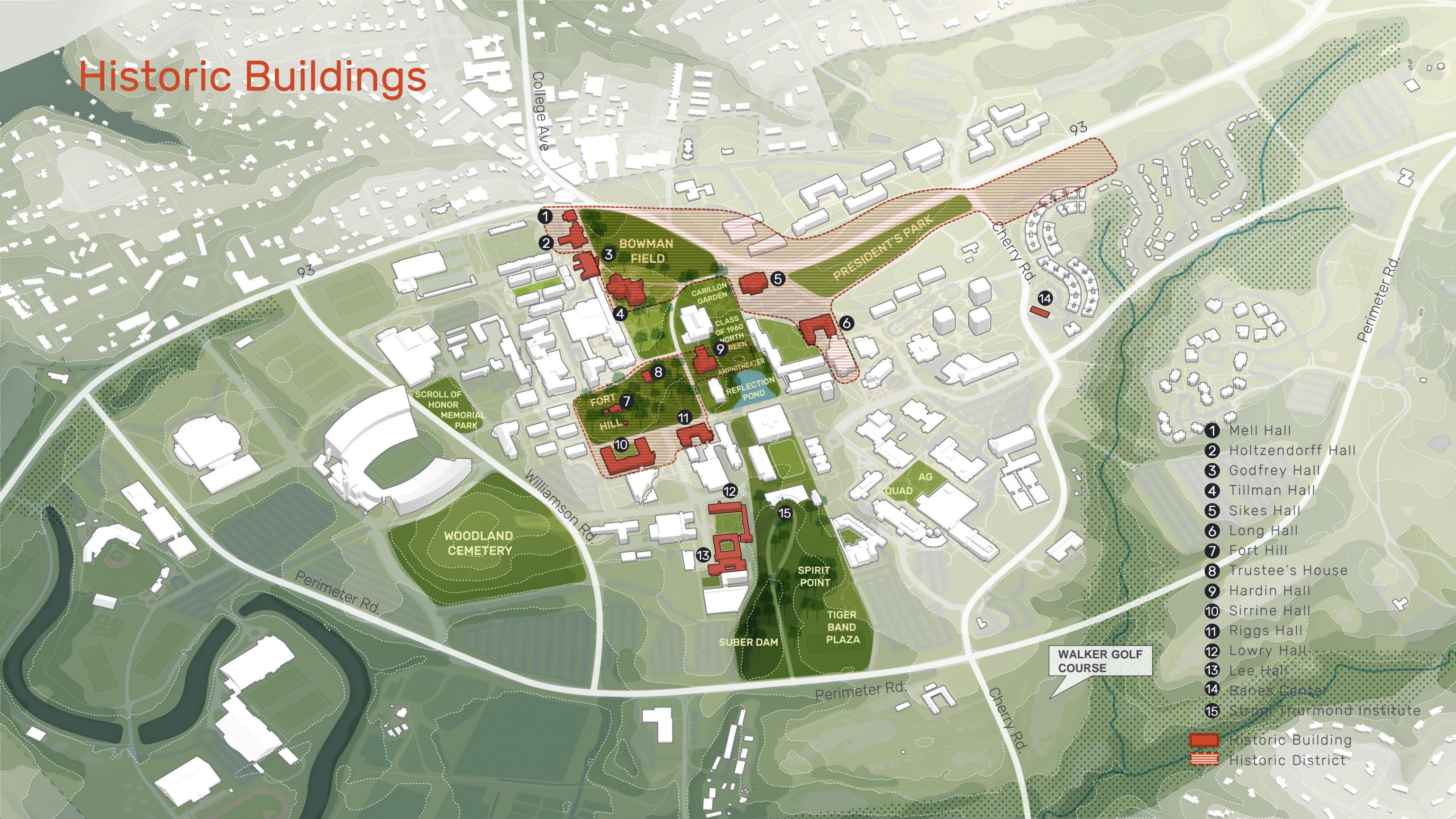
# Athletics



- Library
- Academic/Research Building
- Academic/Research District
- Student Center / Dining
- Residential District
- Recreational Facility
- Recreation District
- Athletic Facility
- Athletic District



# Historic Buildings

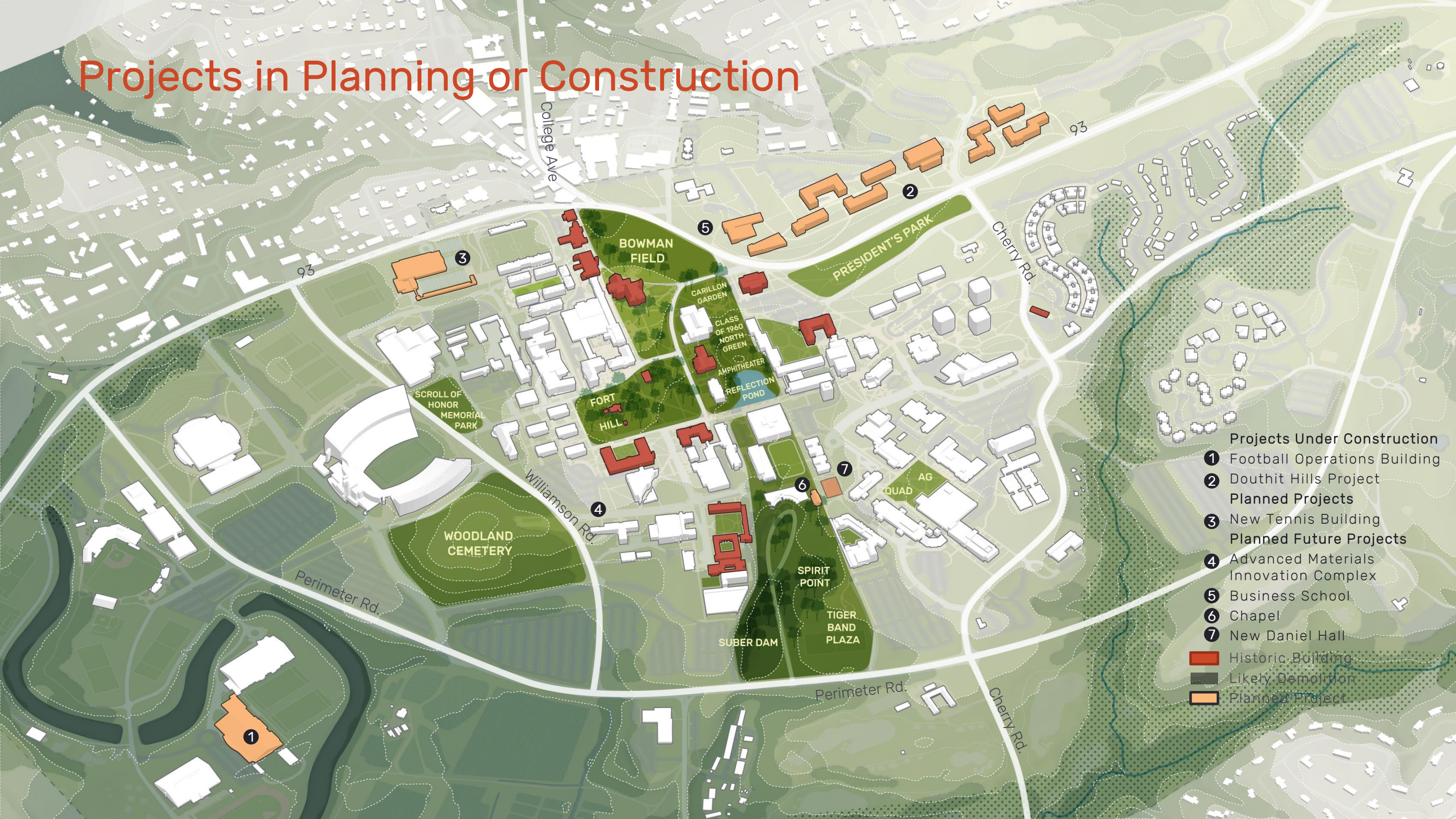


- 1 Mell Hall
- 2 Holtzendorff Hall
- 3 Godfrey Hall
- 4 Tillman Hall
- 5 Sikes Hall
- 6 Long Hall
- 7 Fort Hill
- 8 Trustee's House
- 9 Hardin Hall
- 10 Sirrine Hall
- 11 Riggs Hall
- 12 Lowry Hall
- 13 Lee Hall
- 14 Banes Center
- 15 Strom Thurmond Institute

 Historic Building  
 Historic District



# Projects in Planning or Construction



## Projects Under Construction

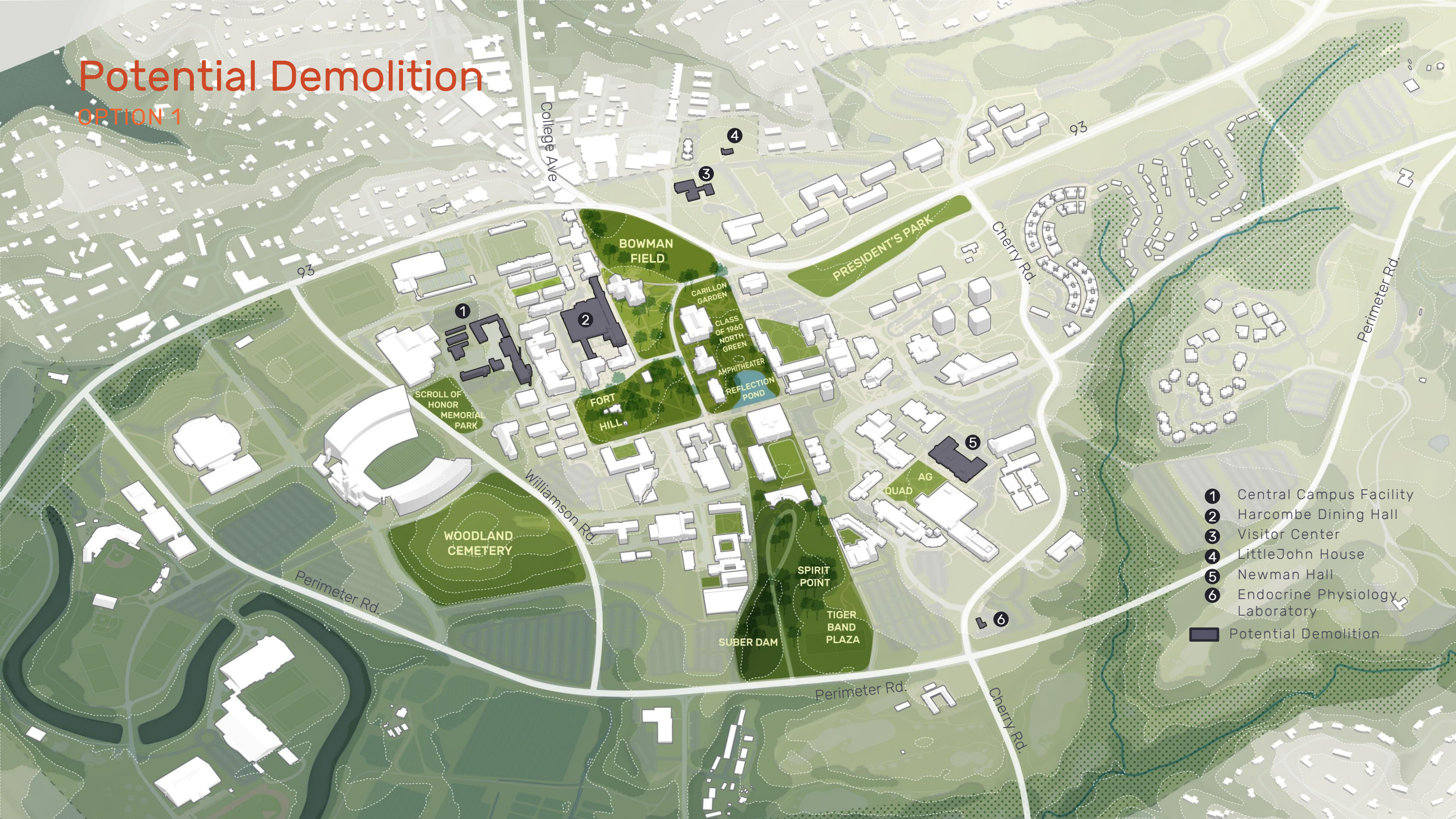
- ① Football Operations Building
  - ② Douthitt Hills Project
- ## Planned Projects
- ③ New Tennis Building
- ## Planned Future Projects
- ④ Advanced Materials Innovation Complex
  - ⑤ Business School
  - ⑥ Chapel
  - ⑦ New Daniel Hall

- Historic Building
- Likely Demolition
- Planned Project



# Potential Demolition

## OPTION 1



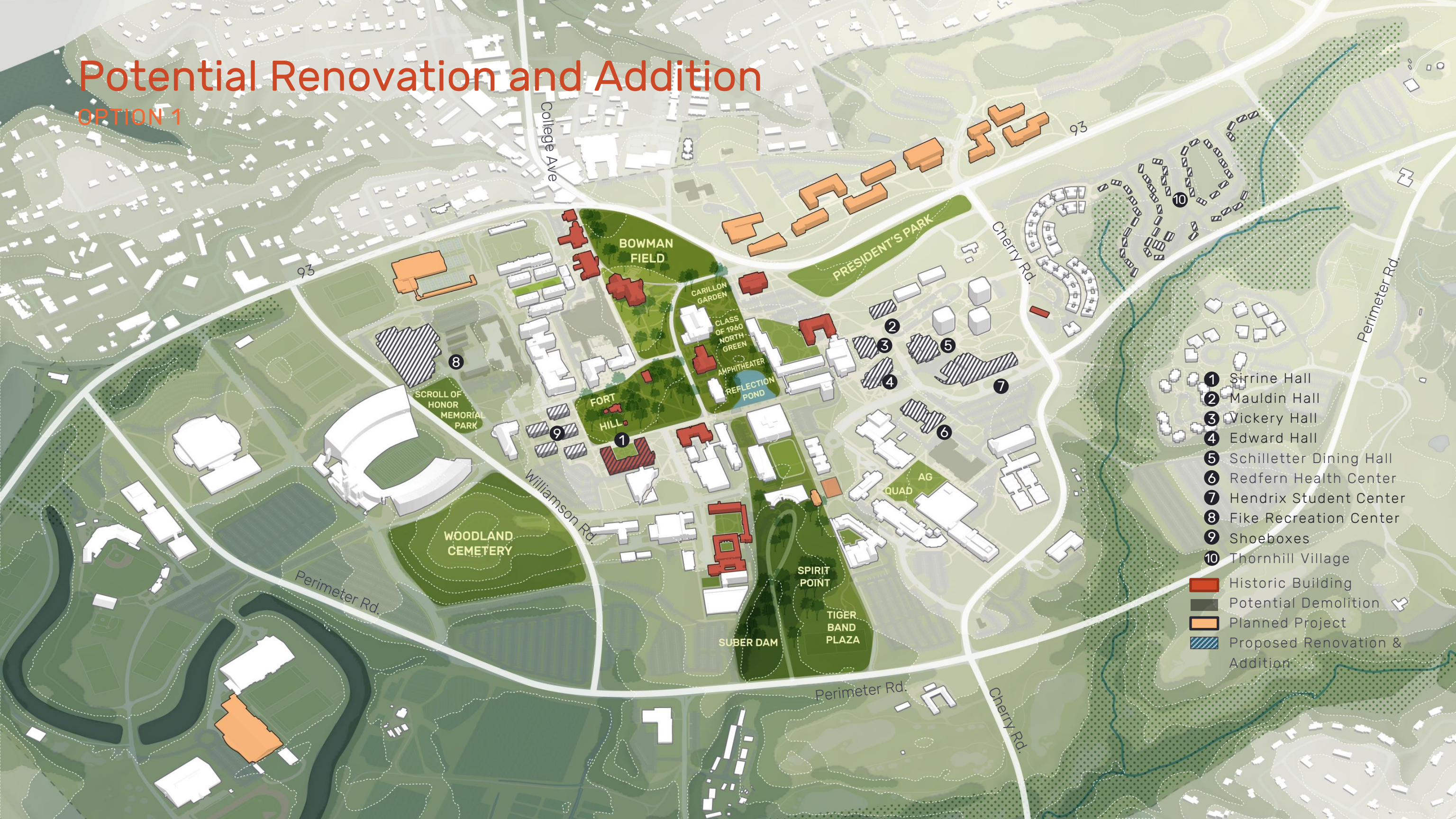
- ① Central Campus Facility
- ② Harcombe Dining Hall
- ③ Visitor Center
- ④ LittleJohn House
- ⑤ Newman Hall
- ⑥ Endocrine Physiology Laboratory

■ Potential Demolition



# Potential Renovation and Addition

## OPTION 1





# Potential Proposed Development Site

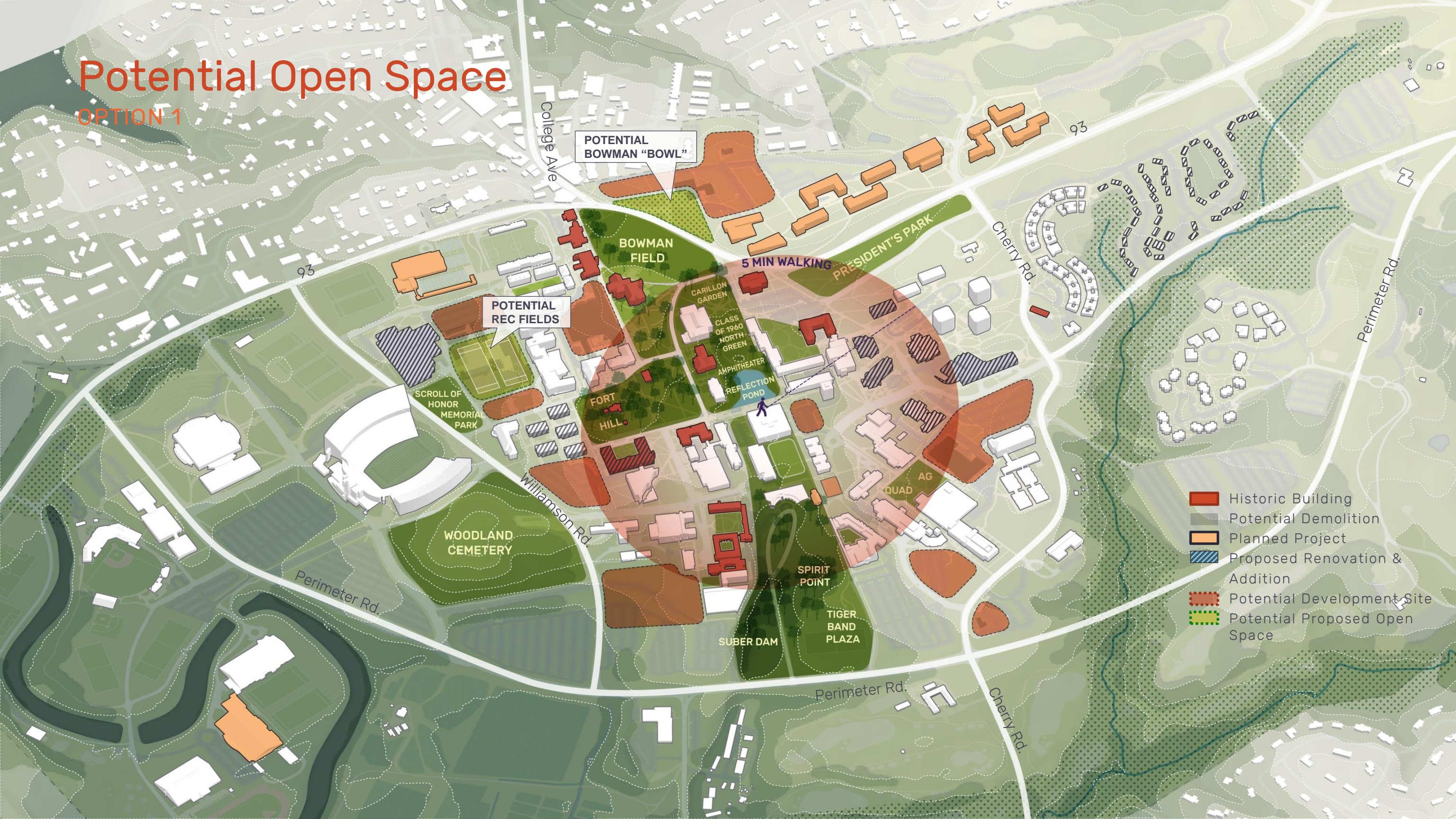
OPTION 1





# Potential Open Space

OPTION 1



POTENTIAL  
BOWMAN "BOWL"

POTENTIAL  
REC FIELDS

5 MIN WALKING

- Historic Building
- Potential Demolition
- Planned Project
- Proposed Renovation & Addition
- Potential Development Site
- Potential Proposed Open Space



# Breakout Sessions

6 GROUPS

## ♦ Break out into Focus Groups:

- Academic & Research Needs (Caitlyn)
- Campus Life (Mary Anne)
- Open Space (Greg)
- Mobility (Stuart and Josh)
- Athletics and Recreation (Trey)
- Clemson Family (Jill)

## ♦ Discussion questions:

- What are the key considerations relative to your area?
- How will growth impact your area?
- Ideas for addressing these areas in the future?

## ♦ Participation process:

- Gather in groups
- Discuss questions
- Sketch, trace, place program chips on the maps
- All ideas are welcome
- Each group will have 5 minutes to report back at the end off the session