

En Route Lines + Line Density

Where from? Where to?

The majority (**64%**) of the visitors to the machine integrated the stop into a greater journey across campus

This map shows the travel lines -- from where to where with Wright implied in between

Additionally shown is a line density based on those results

The density results are interesting because they show a distinct path through Wright, even though the lines themselves do not include the Wright stop. Meaning most visitors who integrate this stop into a greater trip are going almost not at all out of the way to stop in Wright.

spatial
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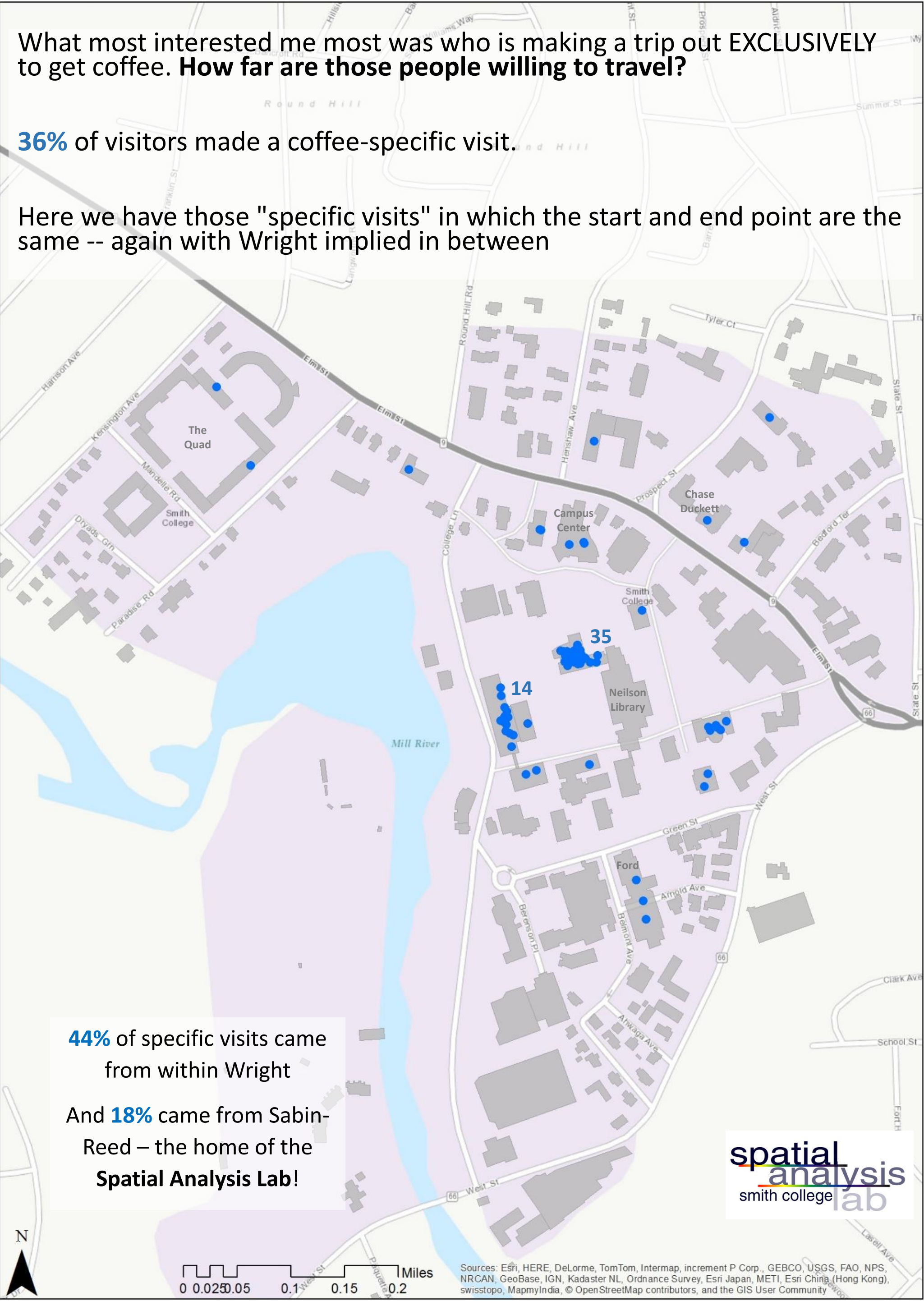
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Specific Visits to Coffee Machine

What most interested me most was who is making a trip out EXCLUSIVELY to get coffee. **How far are those people willing to travel?**

36% of visitors made a coffee-specific visit.

Here we have those "specific visits" in which the start and end point are the same -- again with Wright implied in between



Specific Visits to Coffee Machine

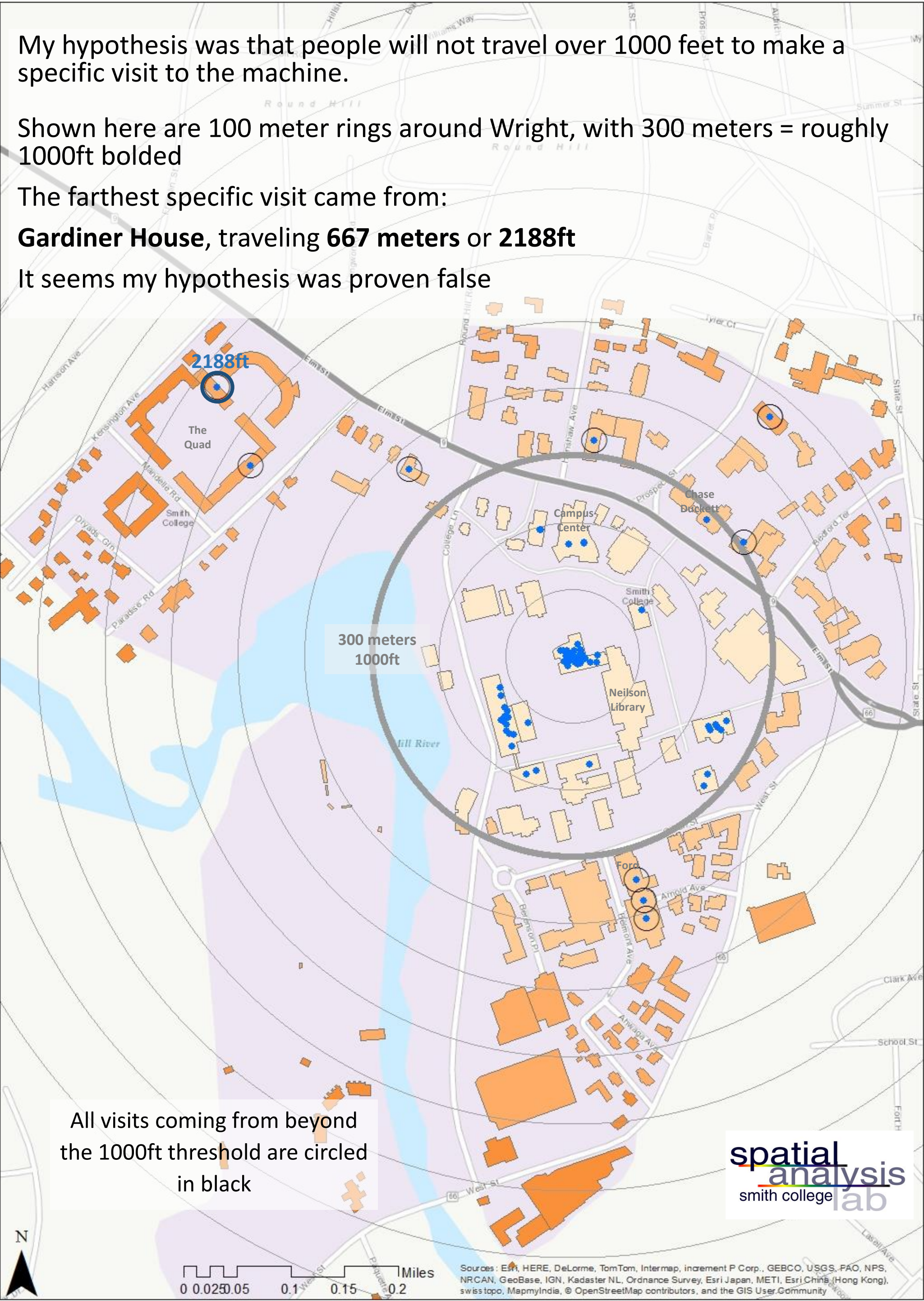
My hypothesis was that people will not travel over 1000 feet to make a specific visit to the machine.

Shown here are 100 meter rings around Wright, with 300 meters = roughly 1000ft bolded

The farthest specific visit came from:

Gardiner House, traveling **667 meters** or **2188ft**

It seems my hypothesis was proven false



Specific Visits to Coffee Machine

What about the average?

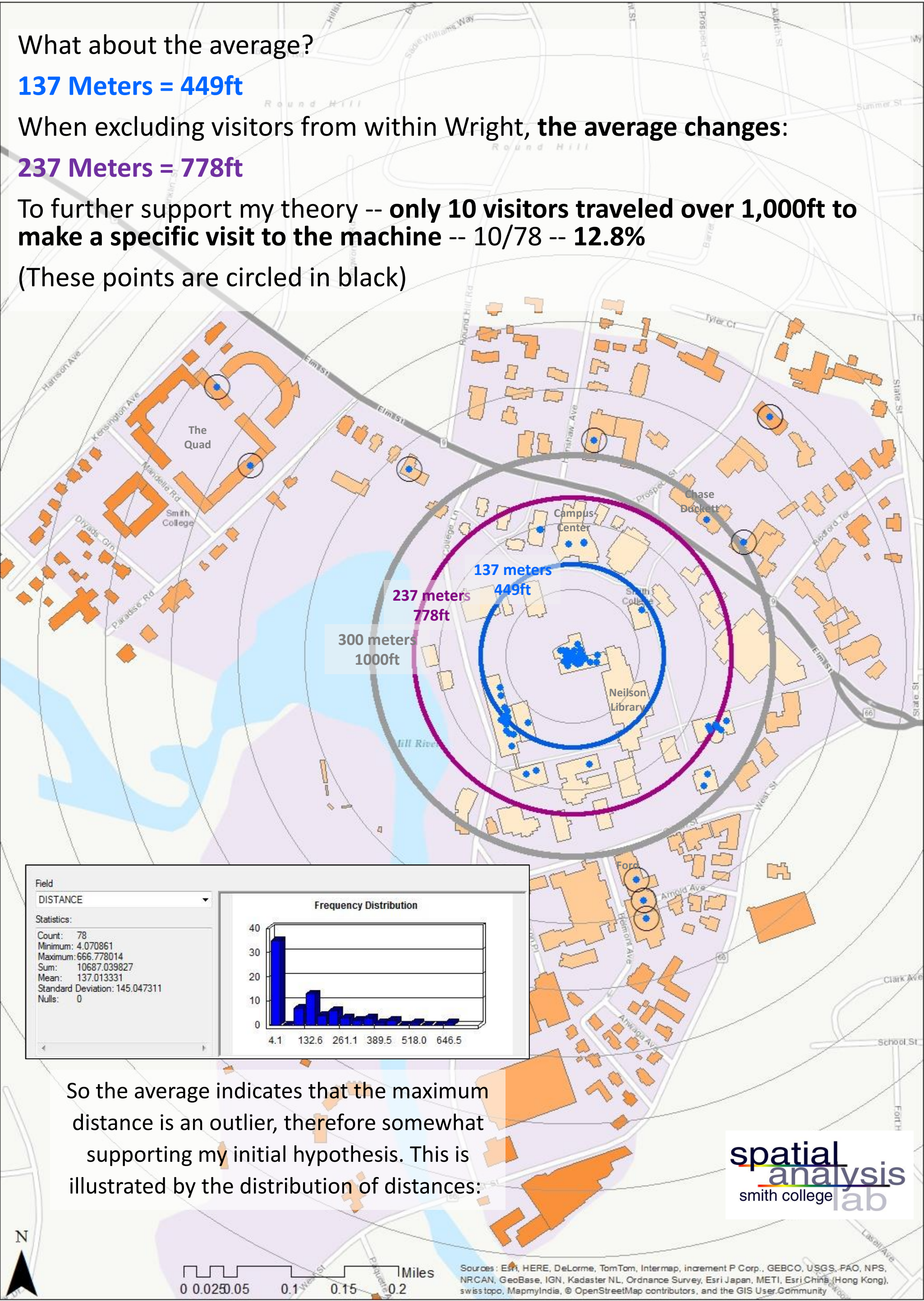
137 Meters = 449ft

When excluding visitors from within Wright, the average changes:

237 Meters = 778ft

To further support my theory -- **only 10 visitors traveled over 1,000ft to make a specific visit to the machine** -- 10/78 -- **12.8%**

(These points are circled in black)



Combined Distances – Campus Affiliation

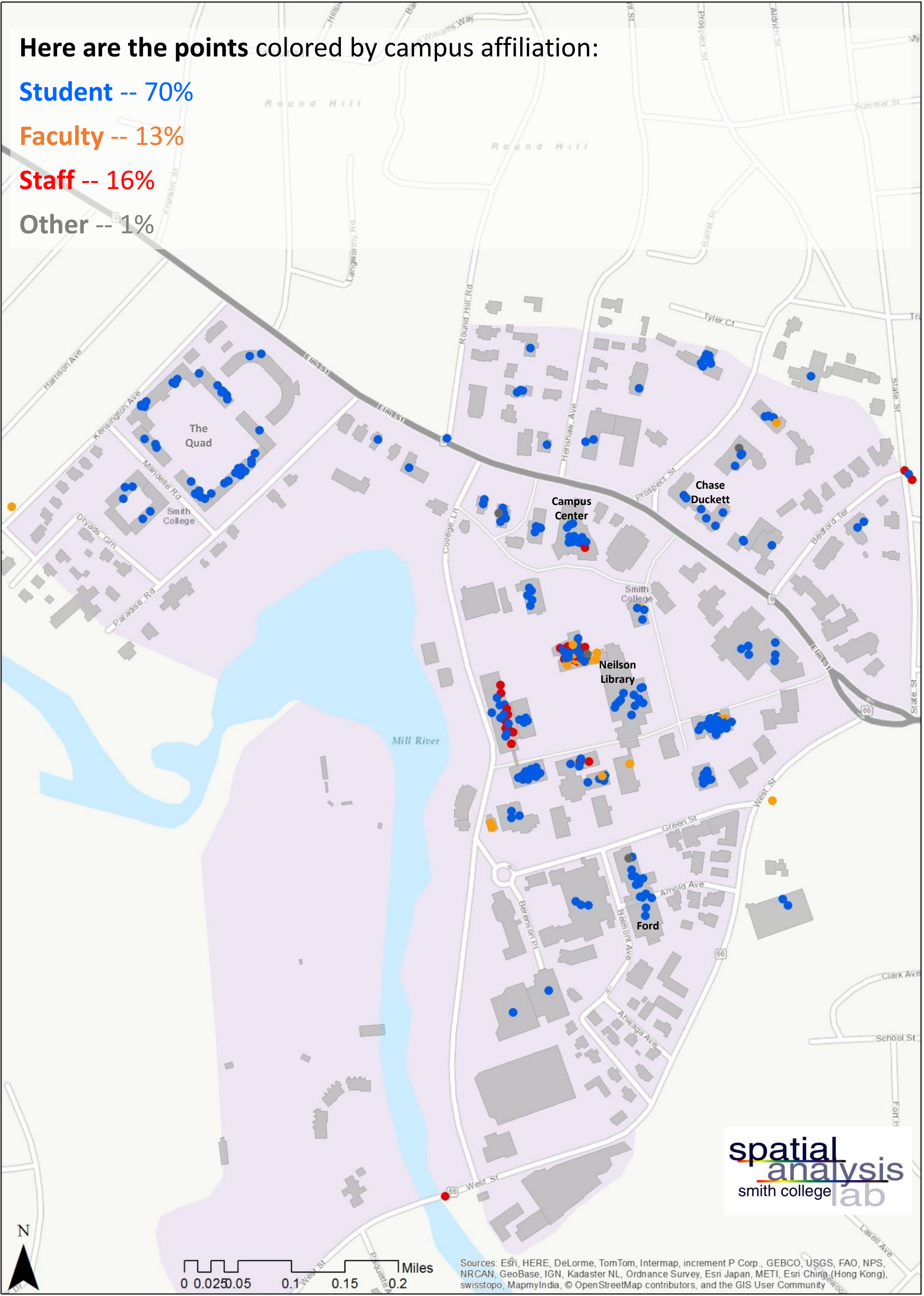
Here are the points colored by campus affiliation:

Student -- 70%

Faculty -- 13%

Staff -- 16%

Other -- 1%



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

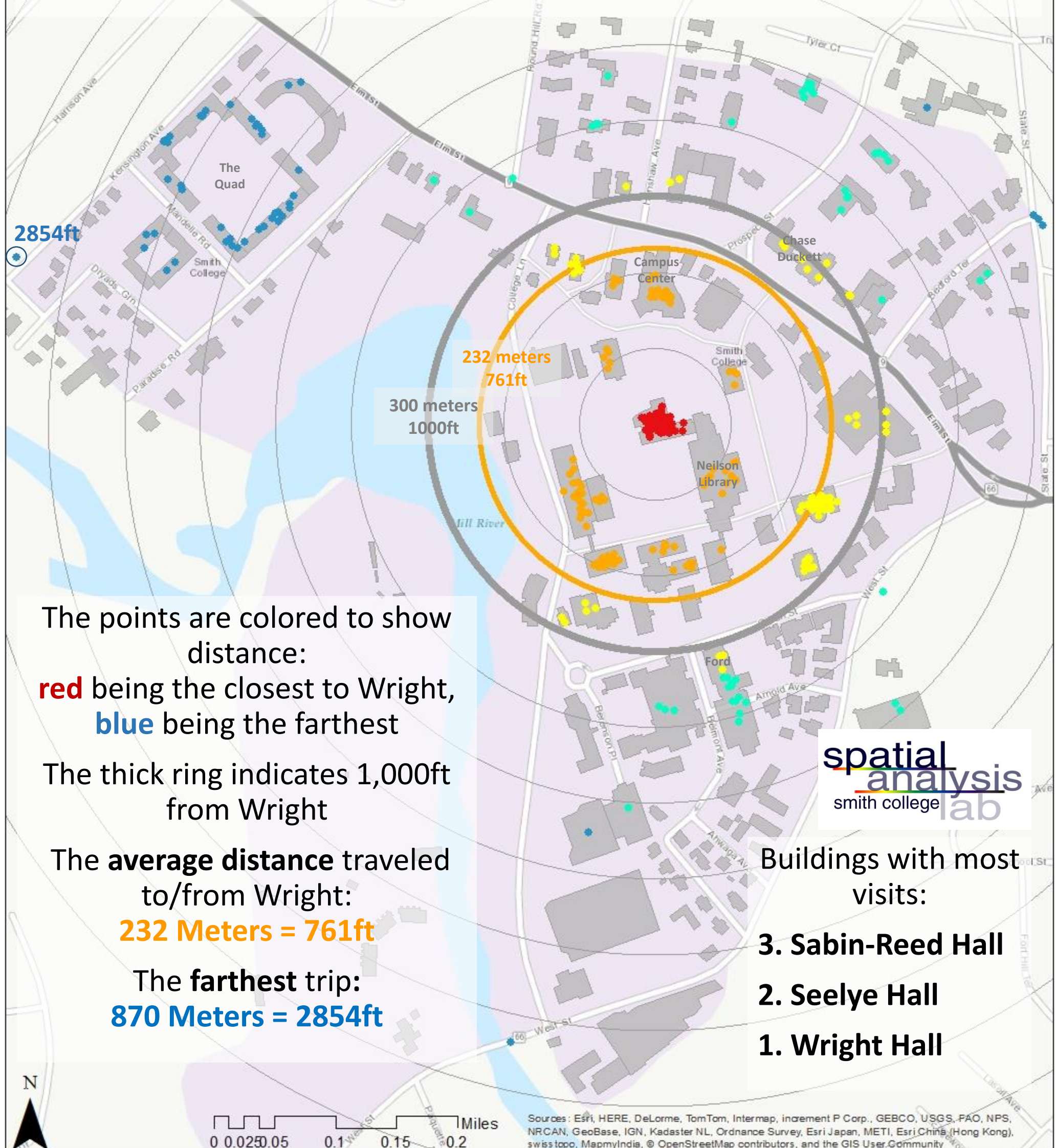
Combined Distances

This map shows the points both from **en route journeys** (start and finish represented as points) and **the specific trips**

Total Visits during the week: 218

We can already see that again the majority of the points are within my 1,000ft (300 meter) estimate ring

319/436 (**73%**) points are within a 1000ft from Wright



Trends By Building – Coffee Preference

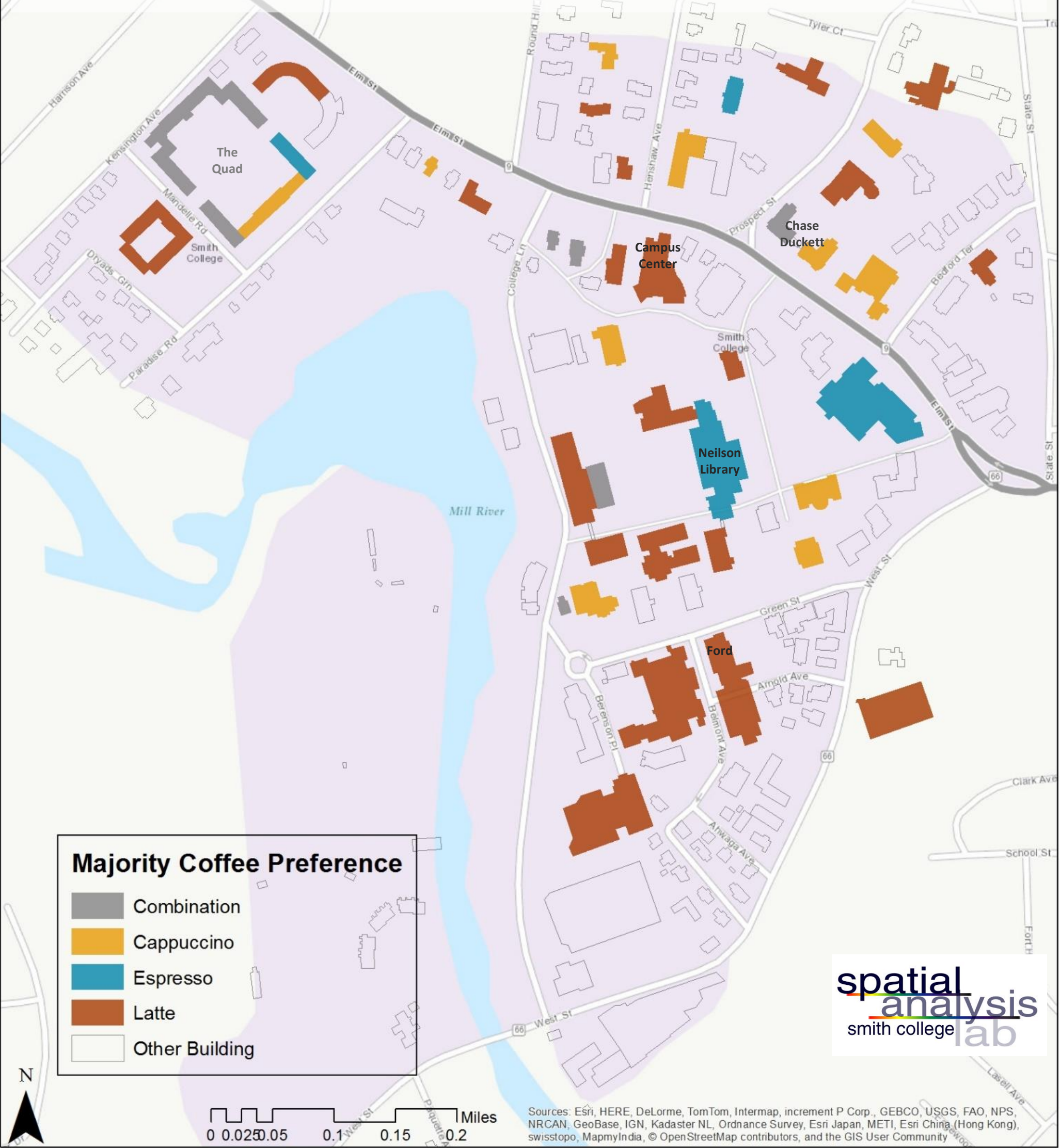
We asked visitors what their coffee preference at the machine, here are the results:

Cappuccino: the preference of **twelve** buildings

Espresso: the preference of **four** buildings

Latte: the preference of **twenty-three** buildings

Combination: buildings with more than one main preference, click buildings for details -- **nine** buildings



Trends By Building – Primary Reason

We asked visitors what their primary reason for visiting this coffee machine was, here are the results:

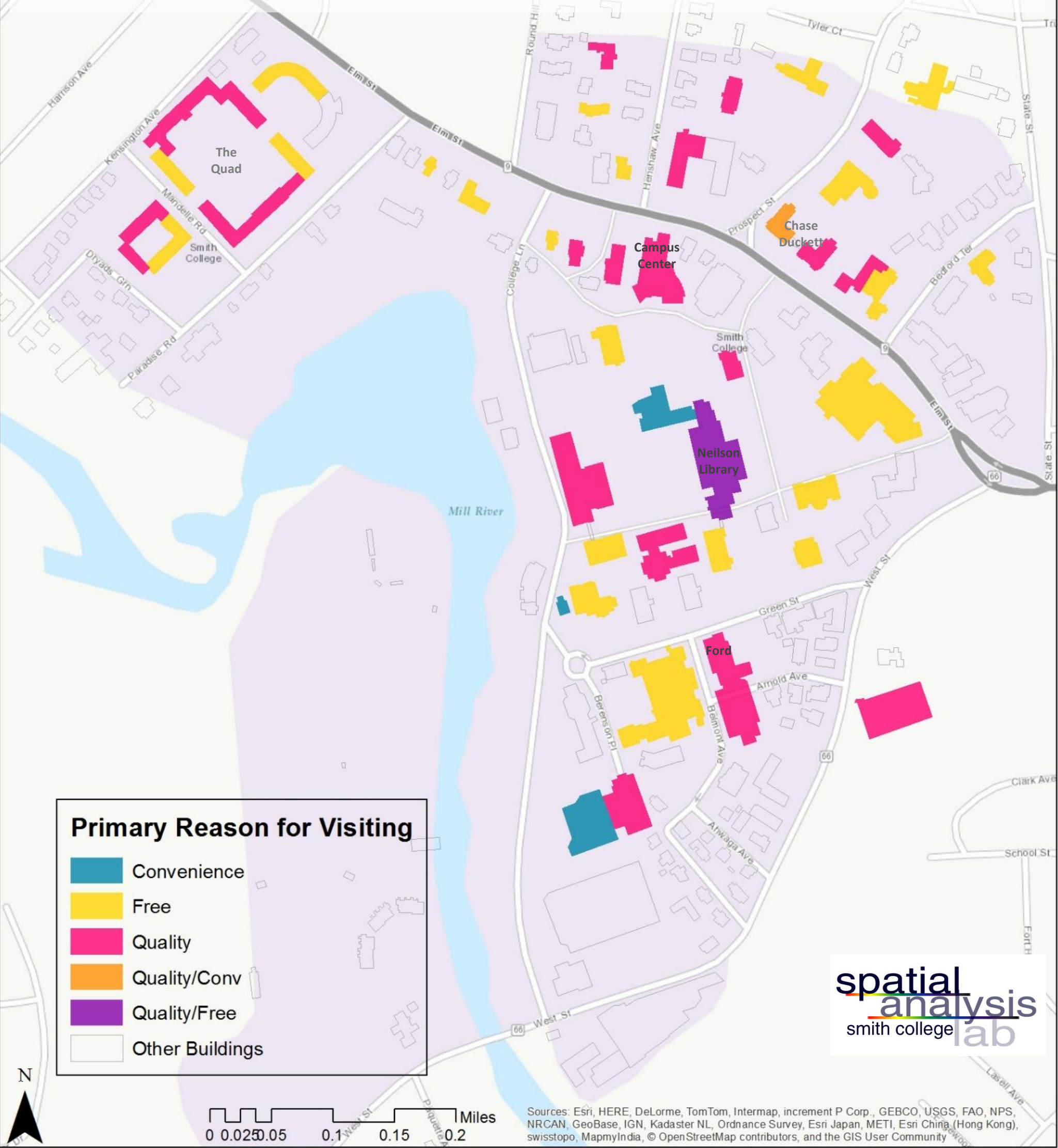
Convenience: the primary reason of **three** buildings

Free: the primary reason of **twenty-two** buildings

Quality: the primary reason of **twenty-one** buildings

Quality/Convenience: Tied for primary reason -- **one** building

Quality/Free: Tied for primary reason -- **one** building



Trends By Building – Avg Weekly Visits

Buildings ranked by **Average Number of Visits Per Week:**

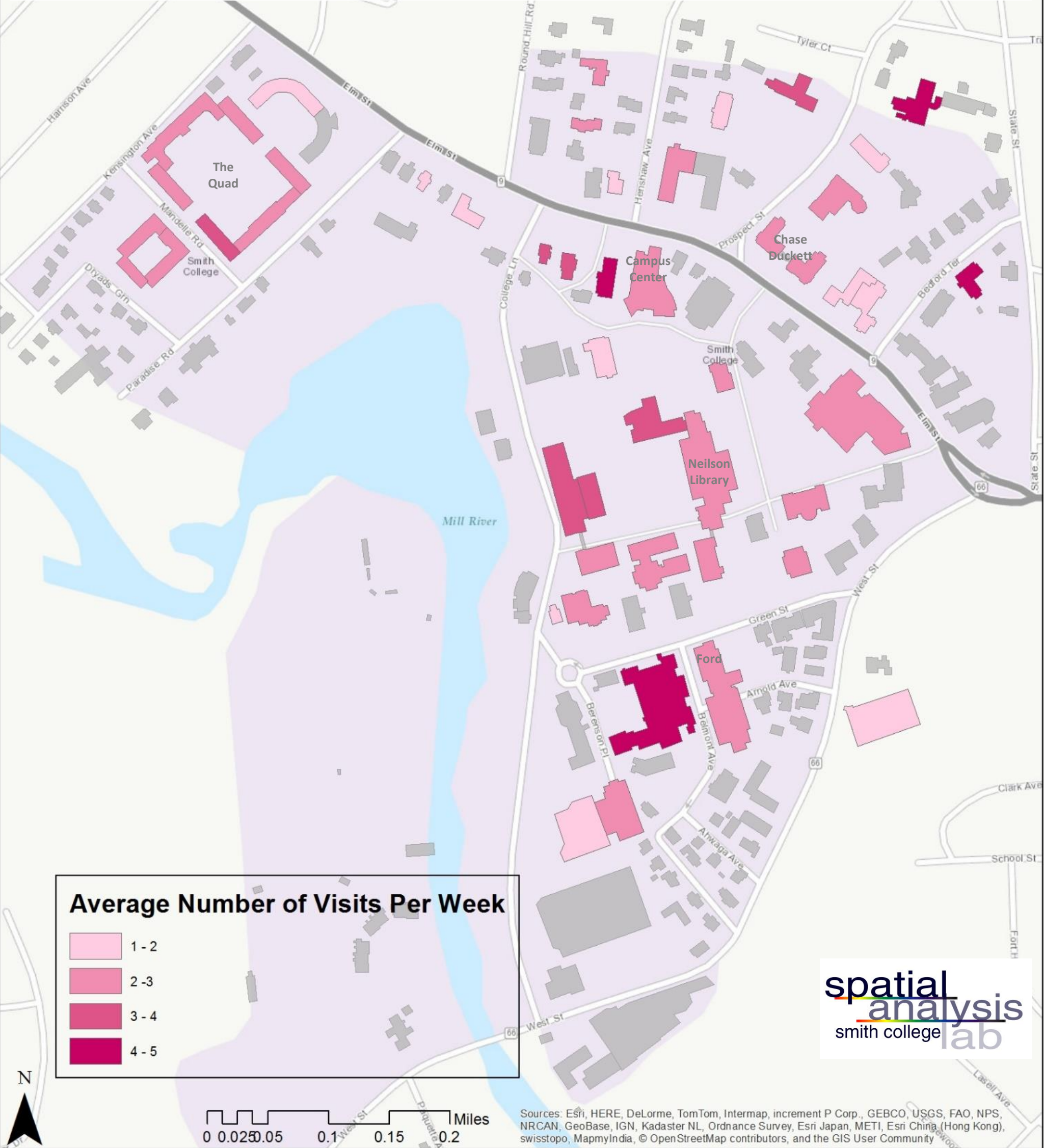
Collective average: 2.75

Buildings with **Most Visits Per Week:**

- 1. Gill Hall, Baldwin, Haven -- 5
- 2. Mendenhall -- 4.7
- 3. Cushing -- 3.8

Buildings with **Least Visits Per Week (> 0):**

- 1. Talbot -- 1.3
- 2. Chapin -- 1.8
- 3. Many, many places tied at 2.0



Trends By Building – Avg Years Known About

Buildings ranked by **Average Number of Years Known About** the machine:
Collective average: 2.2

Buildings with **Most Years Known About**:

- 1. Tyler Annex, Hubbard -- 3.5
- 2. Cushing -- 3.2
- 3. Gill, Ainsworth, Alumnae Gym, Wright, Jordan -- 3.0

Buildings with **Fewest Years Known About**:

- 1. Park, Davis Center, Duckett, Chase, Parsons, 146 Elm -- 1.0
- 2. Parking Garage -- 1.5
- 3. Wilder, Chapin -- 1.7

