Mapping

with Accessibility in Mind

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Good maps show…

1. Relationships
2. Place, scale, distance
3.

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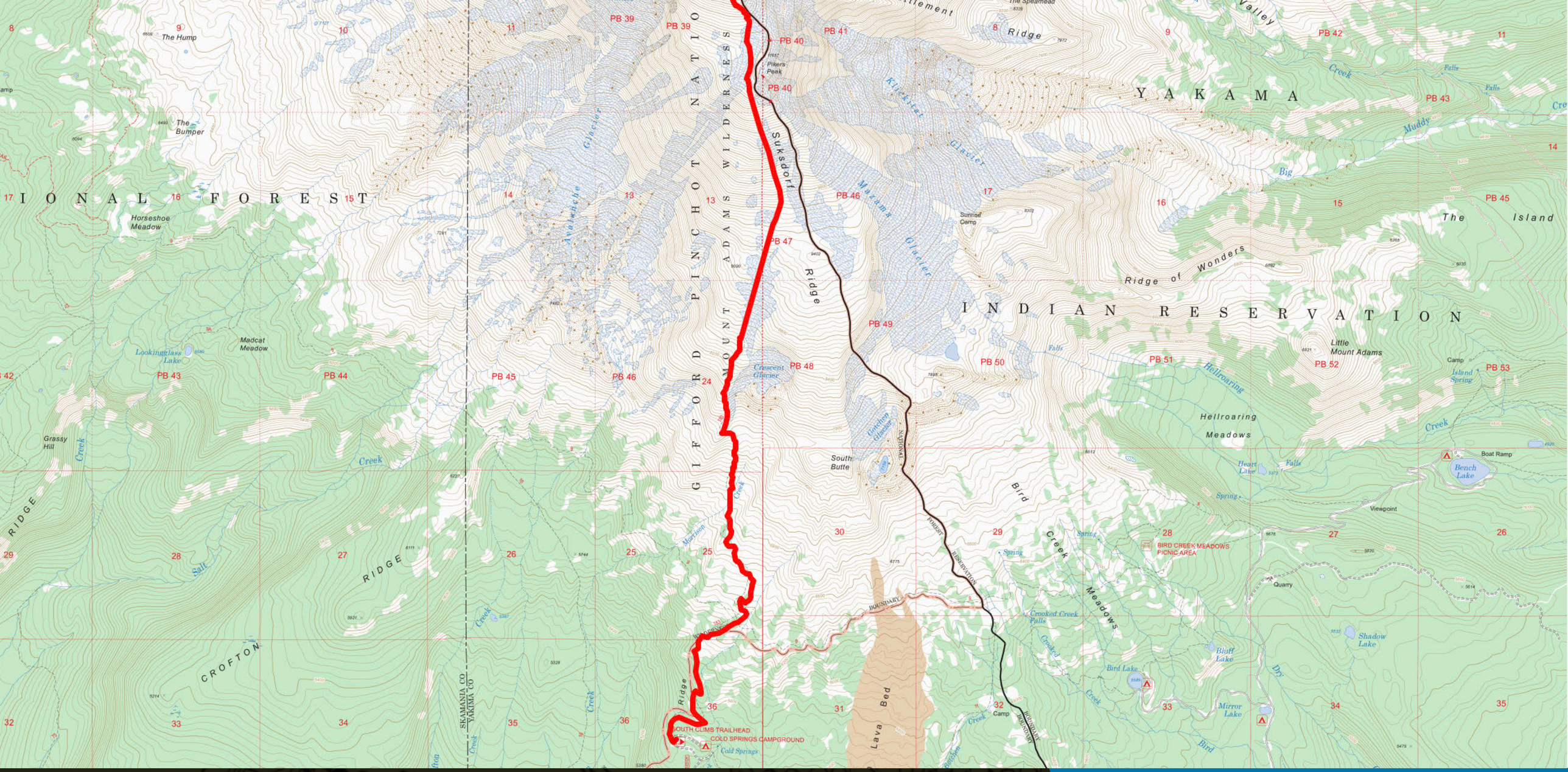

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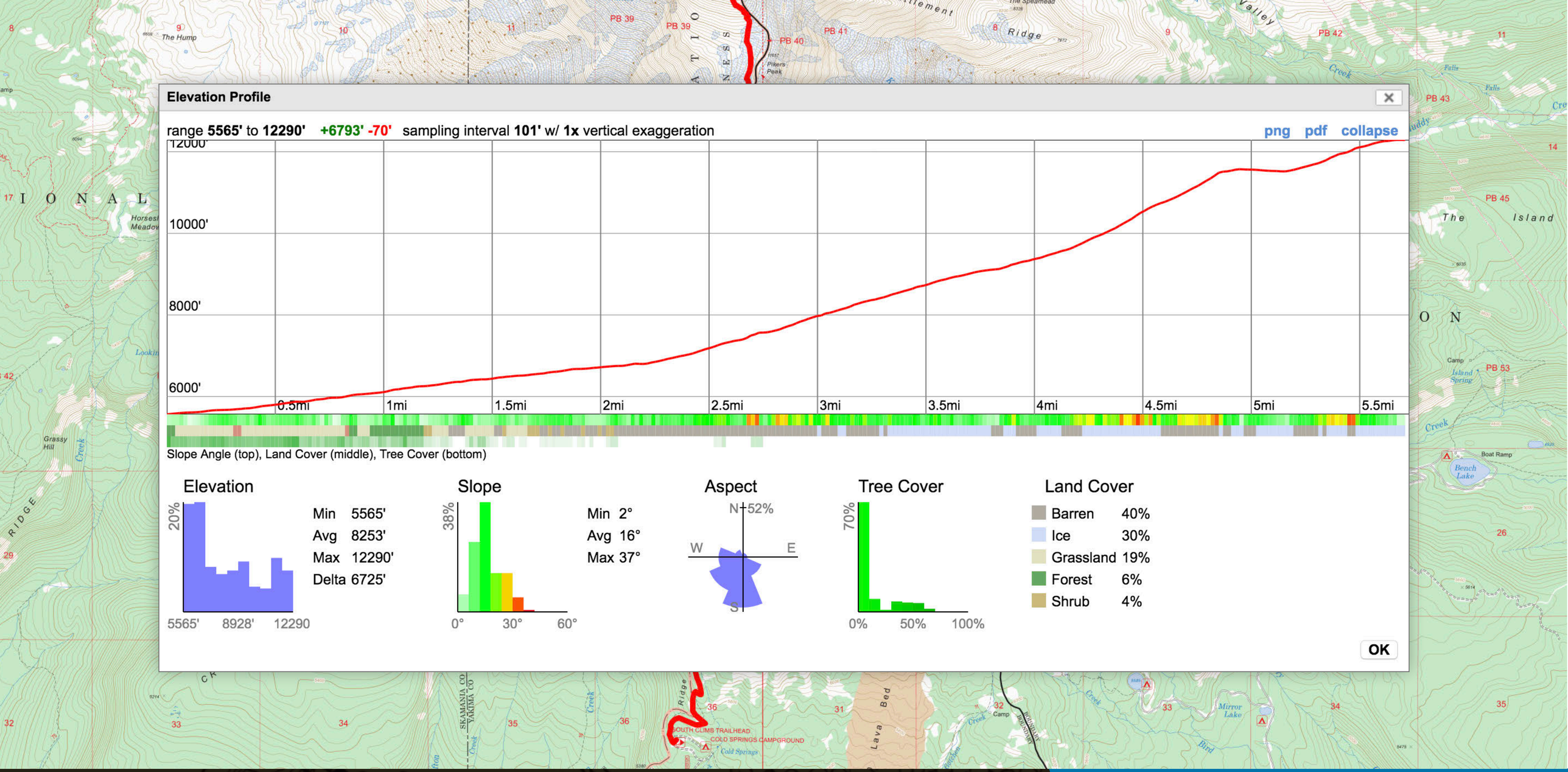

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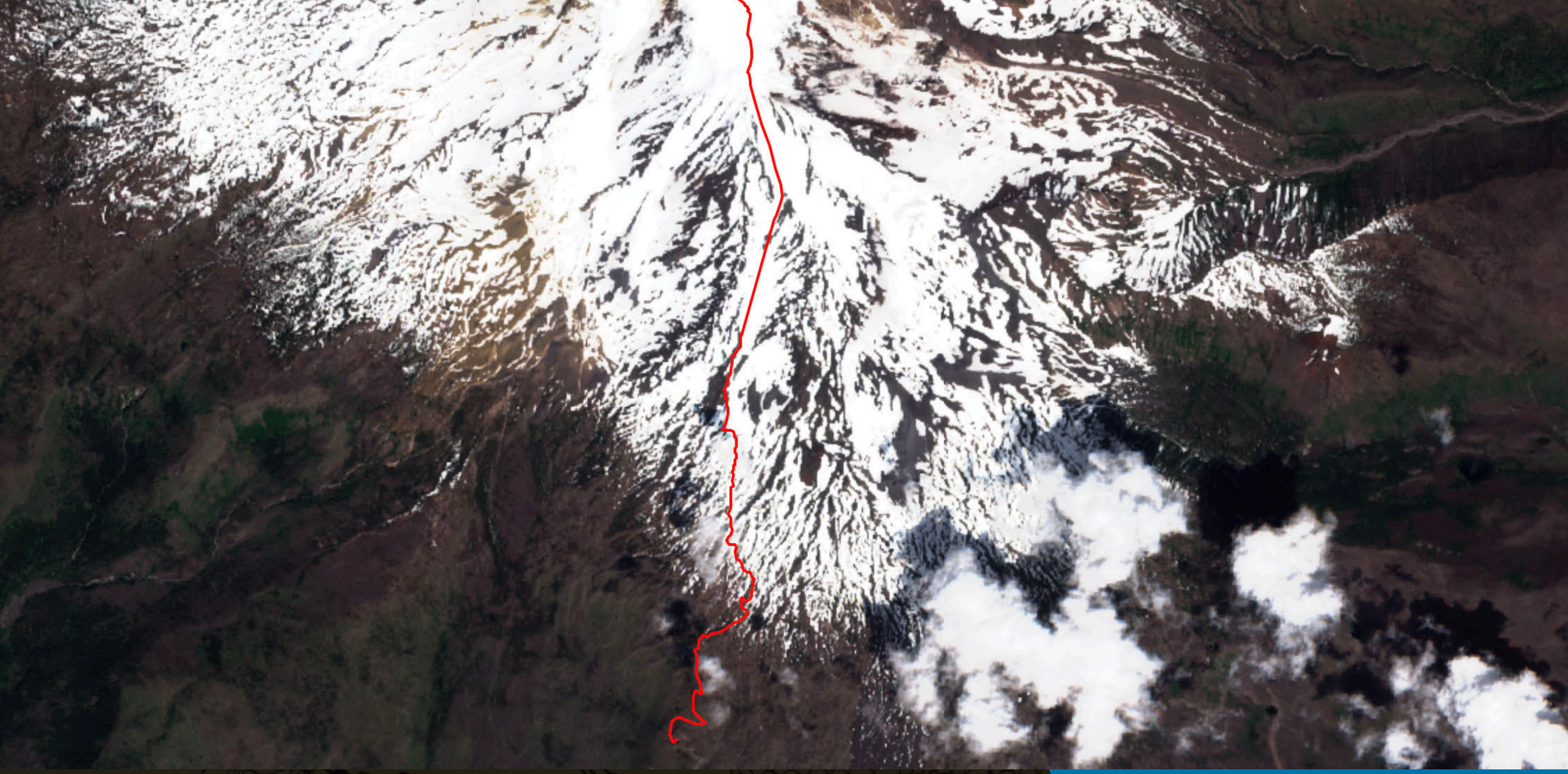

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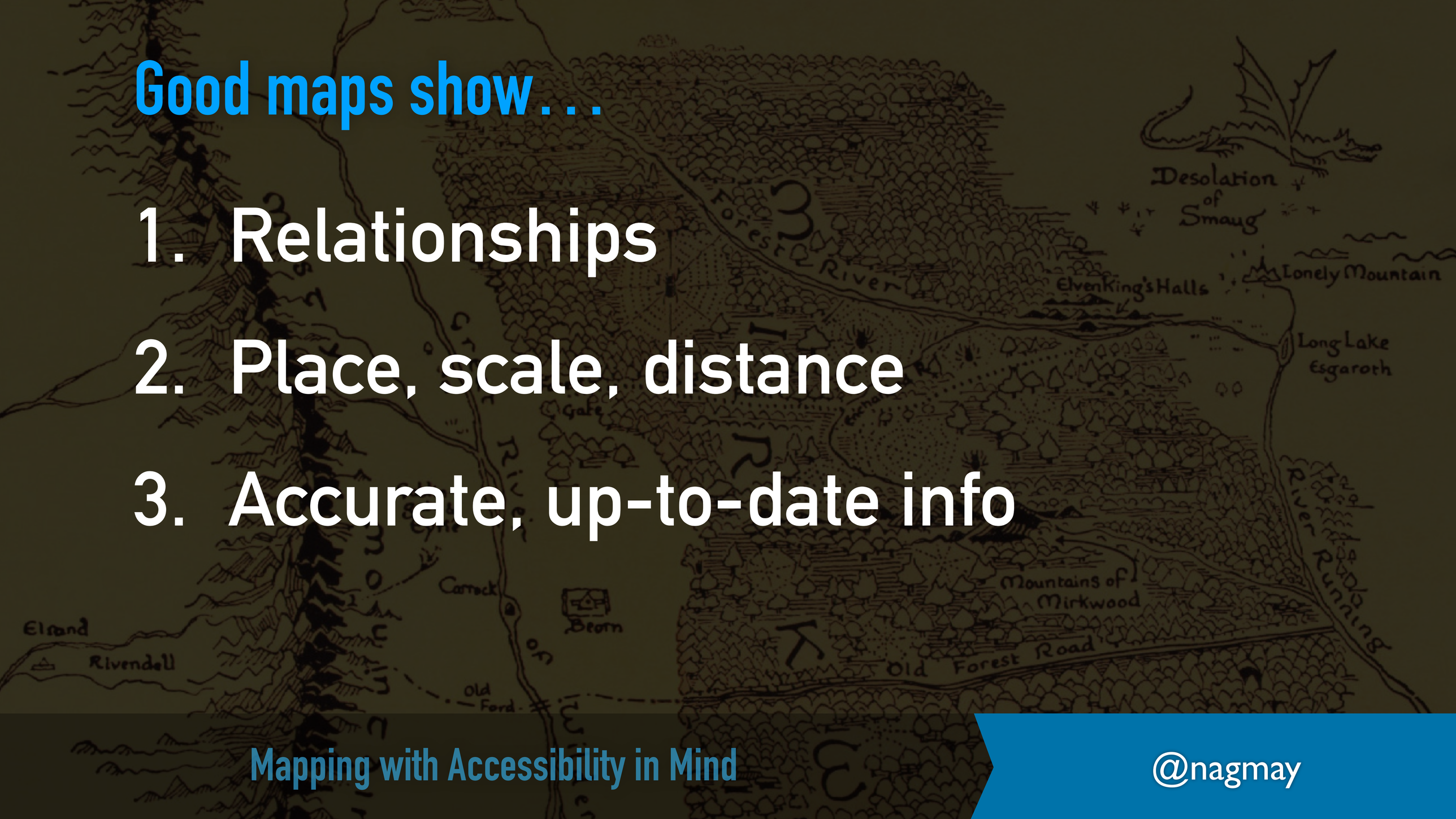
Good maps show…

1. Relationships
2. Place, scale, distance
3. Accurate, up-to-date info



Overview

- Evolution of maps at PCC
- Integrating maps into WP
- Considering accessibility

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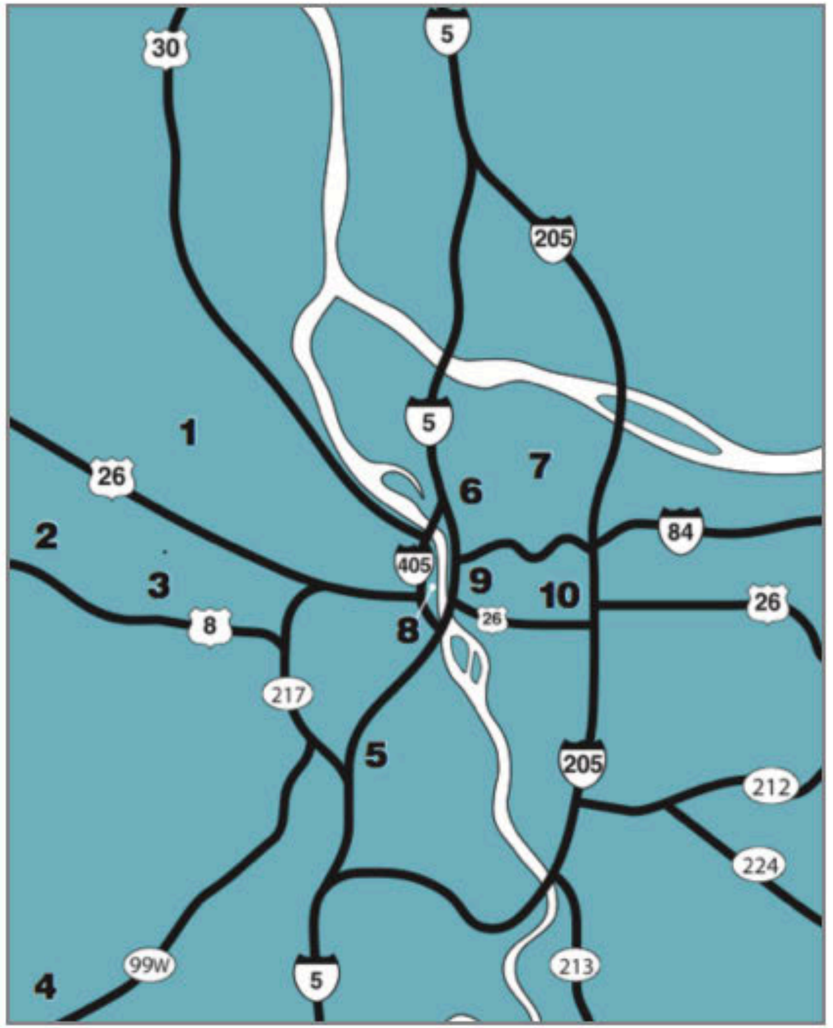
2

HILLSBORO CENTER
775 SE Baseline St.
TriMet Bus: 47, 48, 57
MAX: Blue Line

3

WILLOW CREEK
241 SW Edgeway Dr.
TriMet Bus:
47, 48, 52, 59, 88
MAX: Blue Line

4 **NEWBERG CENTER**
135 Werth Blvd.
Yamhill County Transit:
Provides shuttle to Tigard



7 **PORTLAND METROPOLITAN WORKFORCE TRAINING CENTER**
5600 NE 42nd Ave.
TriMet Bus: 72, 75

8 **DOWNTOWN CENTER**
722 SW 2nd Ave.
TriMet Bus: 15, 51
MAX: Blue & Red Lines

9 **CLIMB CENTER**
(FORMERLY CENTRAL PORTLAND WORKFORCE TRAINING CENTER)
1626 SE Water Ave.
TriMet Bus:
4,6,10,14,31,32,33,41
(bus stop is one block north on the Hawthorne Bridge)

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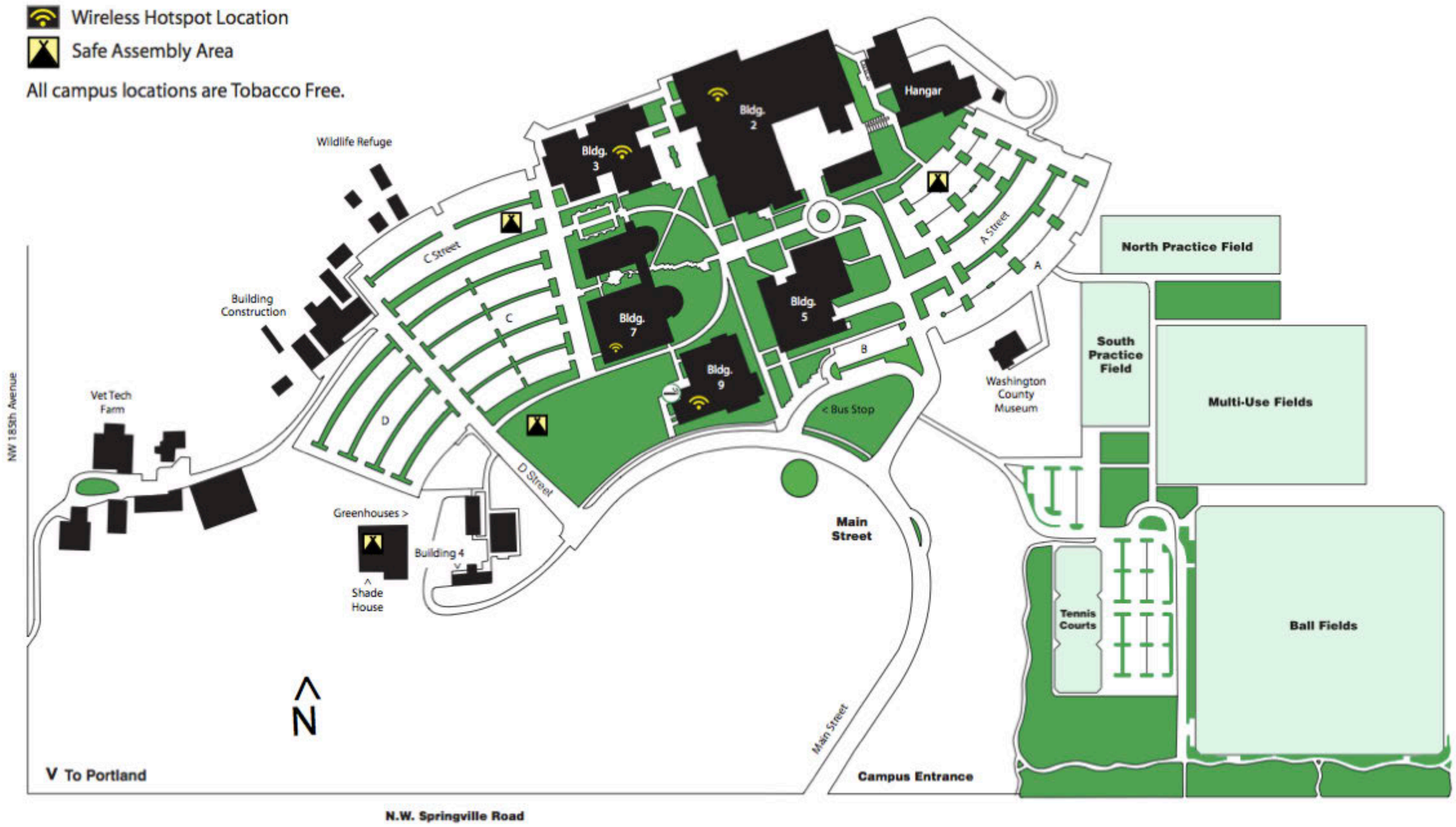

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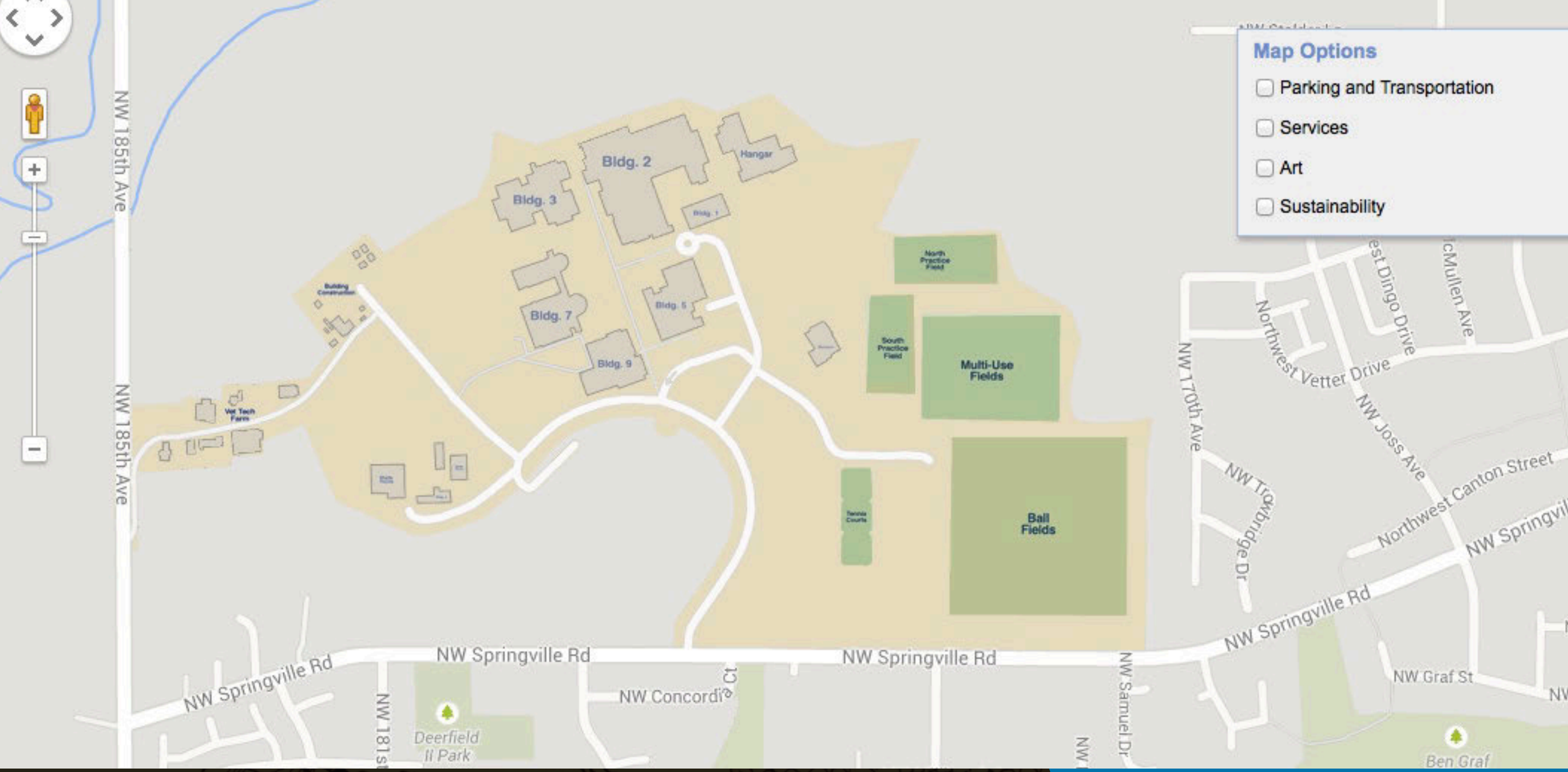

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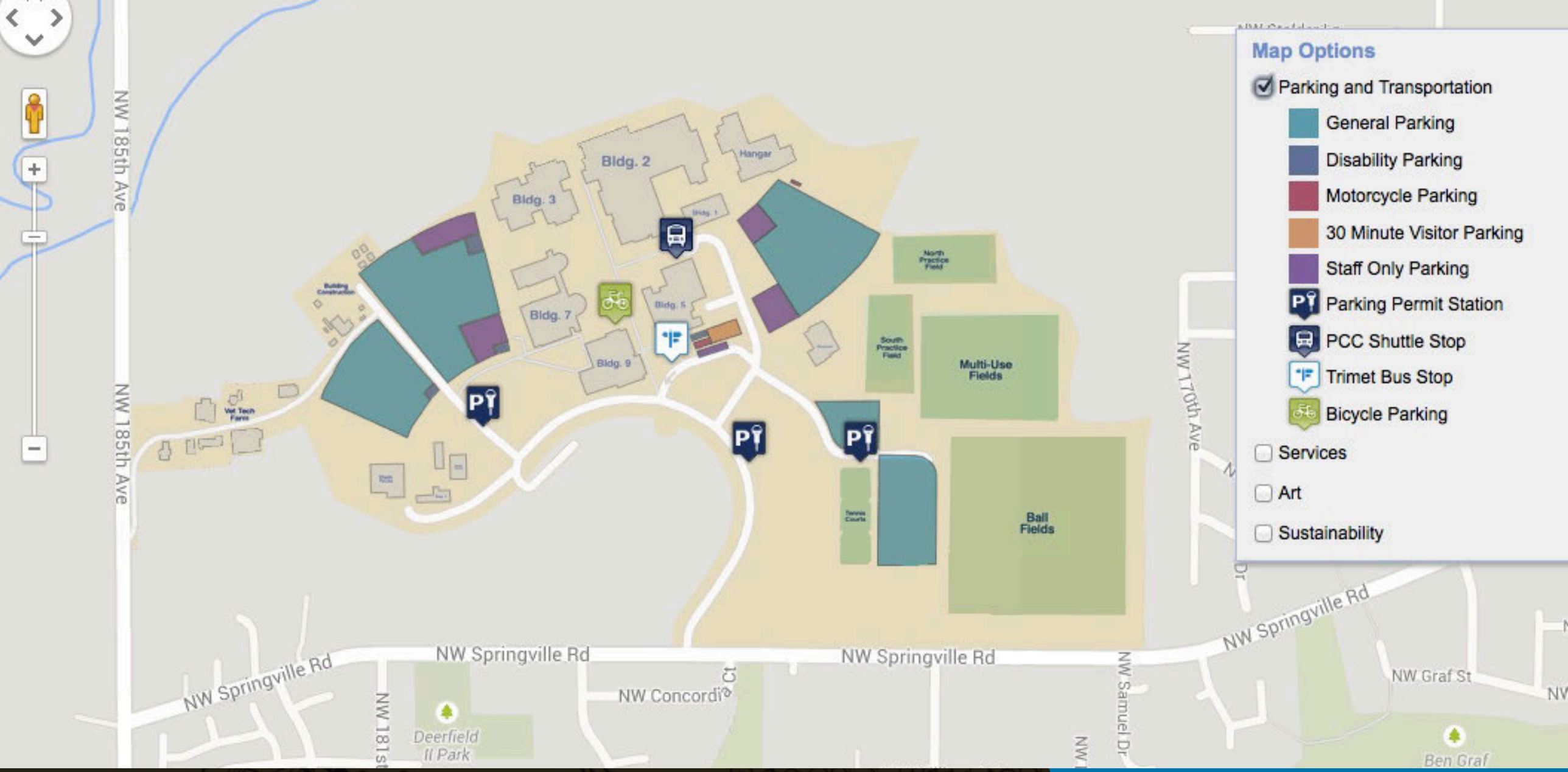

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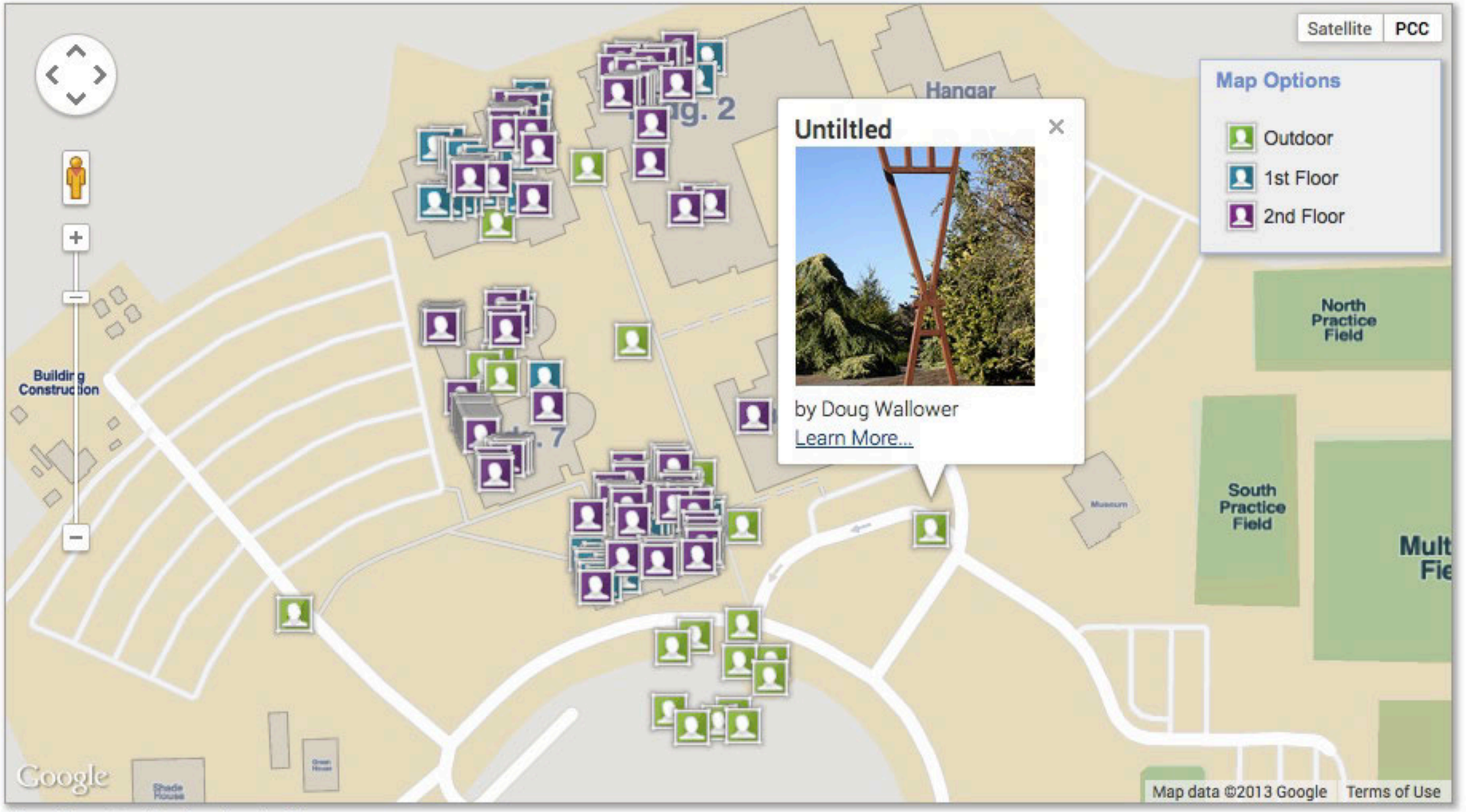
```
266
267   <Placemark>
268     <name>Romona Falls</name>
269     <description>
270       <![CDATA[<img src="http://www.pcc.edu/about/art/images/1694-small.jpg">
271     </description>
272     <styleUrl>#art_outdoor</styleUrl>
273     <Point>
274       <coordinates>-122.860939,45.567619,0.000000</coordinates>
275     </Point>
276     <ExtendedData xmlns:pcc_art="http://www.pcc.edu/about/art/">
277       <pcc_art:id>1694</pcc_art:id>
278       <pcc_art:title>Romona Falls</pcc_art:title>
279       <pcc_art:artist>West, Bruce</pcc_art:artist>
280       <pcc_art:medium>Sculpture - Stainless Steel Fountain</pcc_art:medium>
281       <pcc_art:height>74</pcc_art:height>
282       <pcc_art:width>105</pcc_art:width>
283       <pcc_art:added>11/26/2003</pcc_art:added>
284       <pcc_art:campus>Rock Creek Campus</pcc_art:campus>
285       <pcc_art:location>Courtyard</pcc_art:location>
286       <pcc_art:details><![CDATA[<p>If you've ever visited Ramona Falls on the
```



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Why are we treating map content differently?

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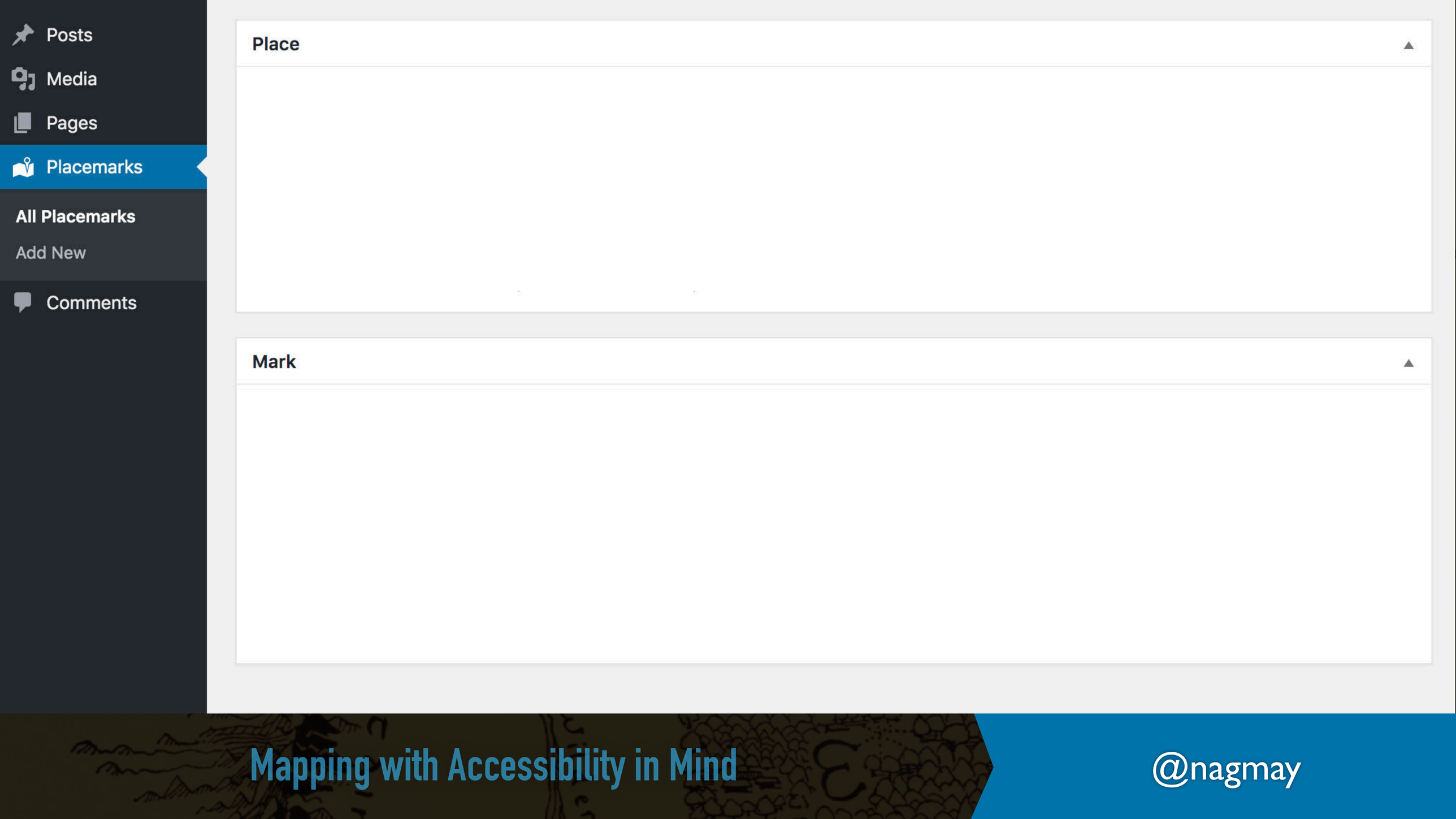
Maps in WordPress

- Easy to create/update
  - Locations customized
  - Marker types customized
- Require info needed to #a11y
- Floor plans


Posts
Media
Pages
Placemarks
All Placemarks
Add New
Comments
Place
Mark
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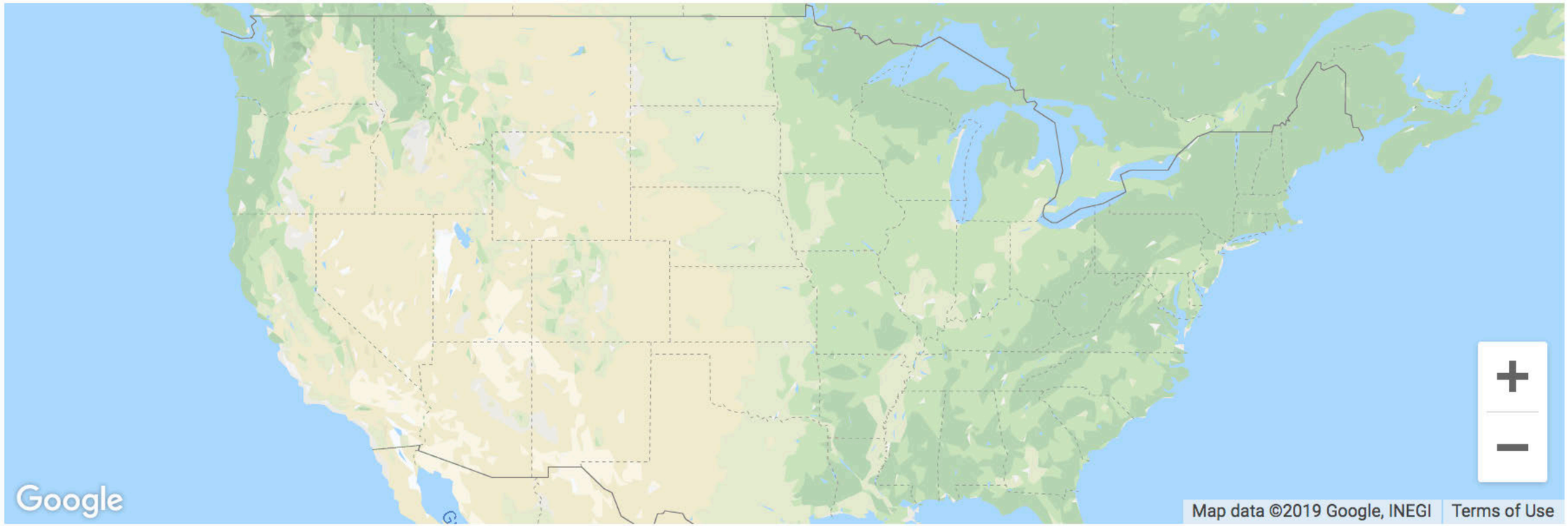
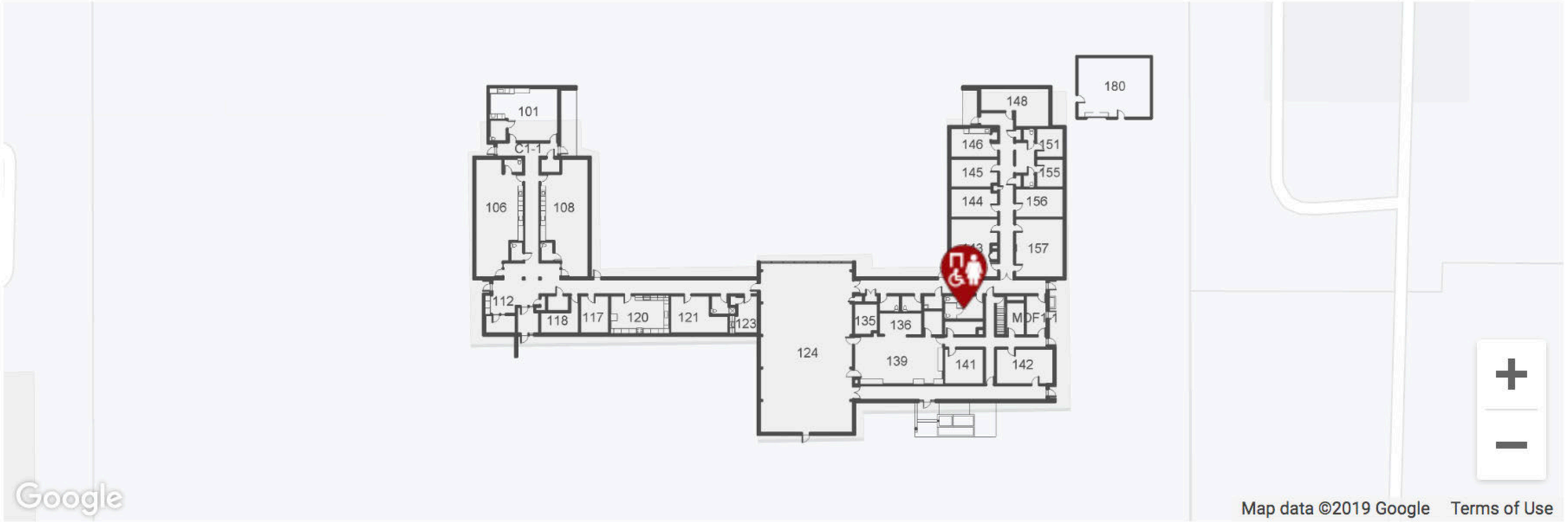
Place



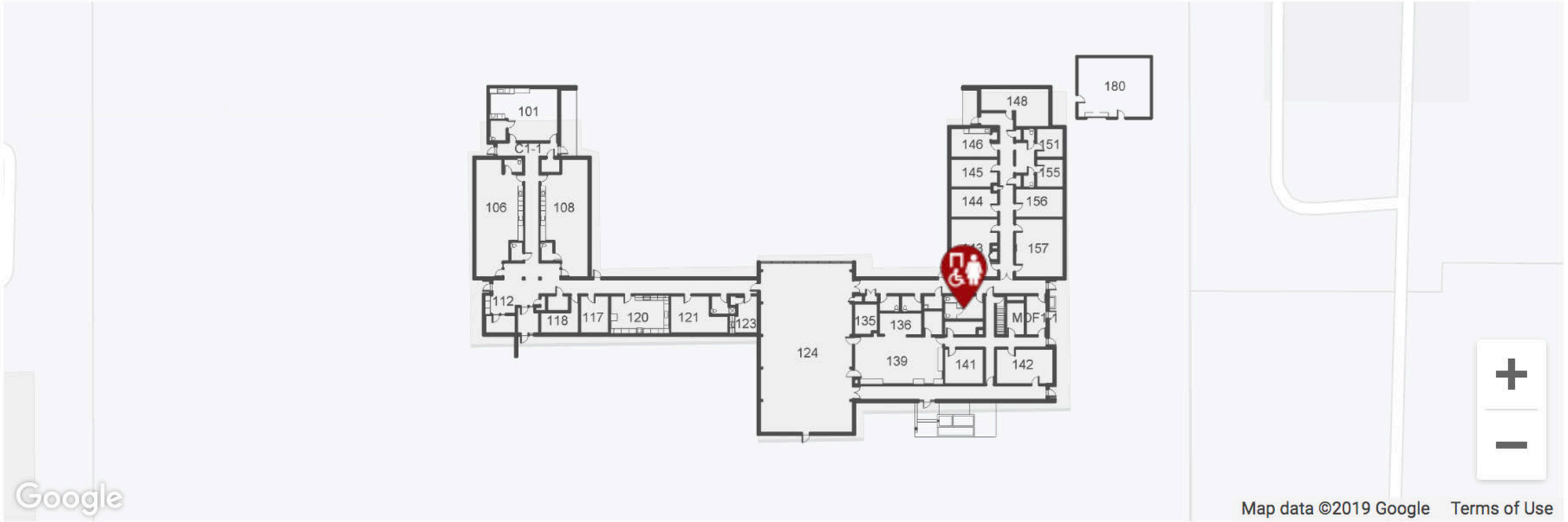
Place

Choose a location: Southeast | Community Hall Annex (COMX) | 1



Place

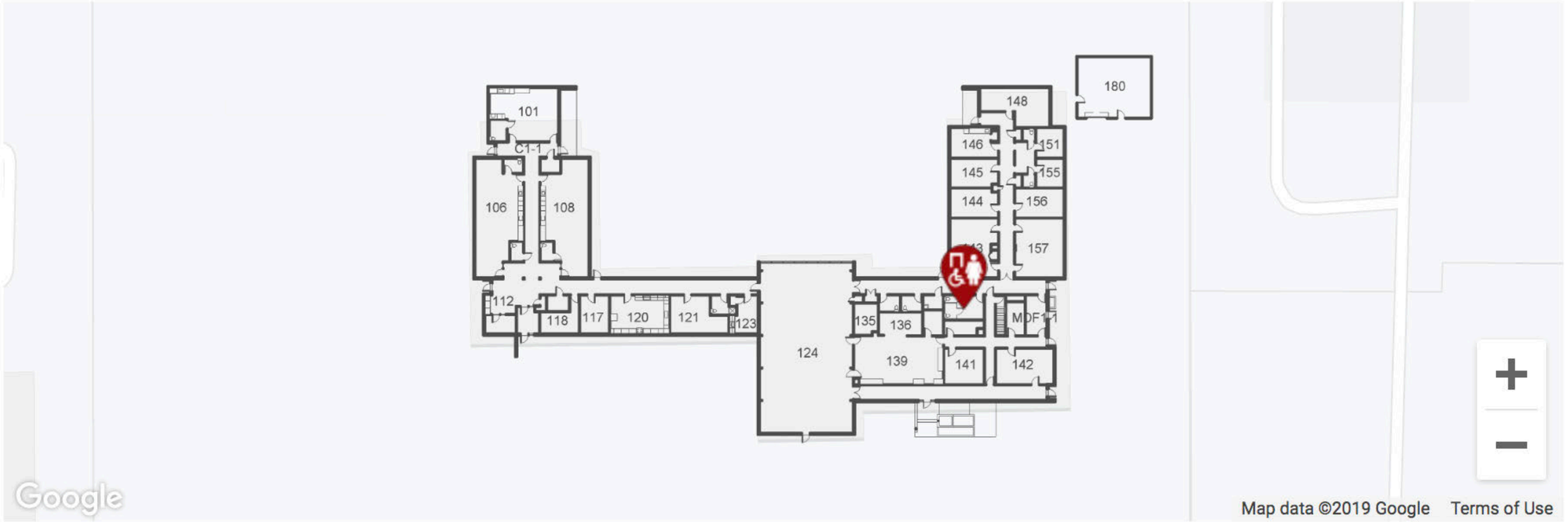
Choose a location: Southeast | Community Hall Annex (COMX) | 1



Latitude , longitude: 45.506116 , -122.581497 Use current location

Place

Choose a location: Southeast | Community Hall Annex (COMX) | 1



Latitude , longitude: 45.506116 , -122.581497 Use current location

Alternative text description of location: In the north hallway just south of room 143

For example: "On the south wall, across from room CC123"

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Mark

Mark type: Women's restroom - fully accessible

Optional title:

Optional text:

For example: "Keypad access code available at various locations, sign on door."

Optional link:

Placemarks Settings

My Custom Settings

Enter your settings below:

Marker Types (JSON)

Locations (JSON)

```
"types": [
   {
      "name": "Default",
      "src": "/icons/defaults/default.png"
    },
   {
      "name": "Safe assembly area",
      "src": "/icons/safe-assembly-area.png"
    },
  …
```

Mark type: Safe assembly area

```
"locations": [
    {
      "name": "Cascade",
      "lat": 45.563282,
      "lng": -122.673457,
      "zoom": 17
    },
    {
      "name": "Sylvania",
      "slug": "sy",
      …
```

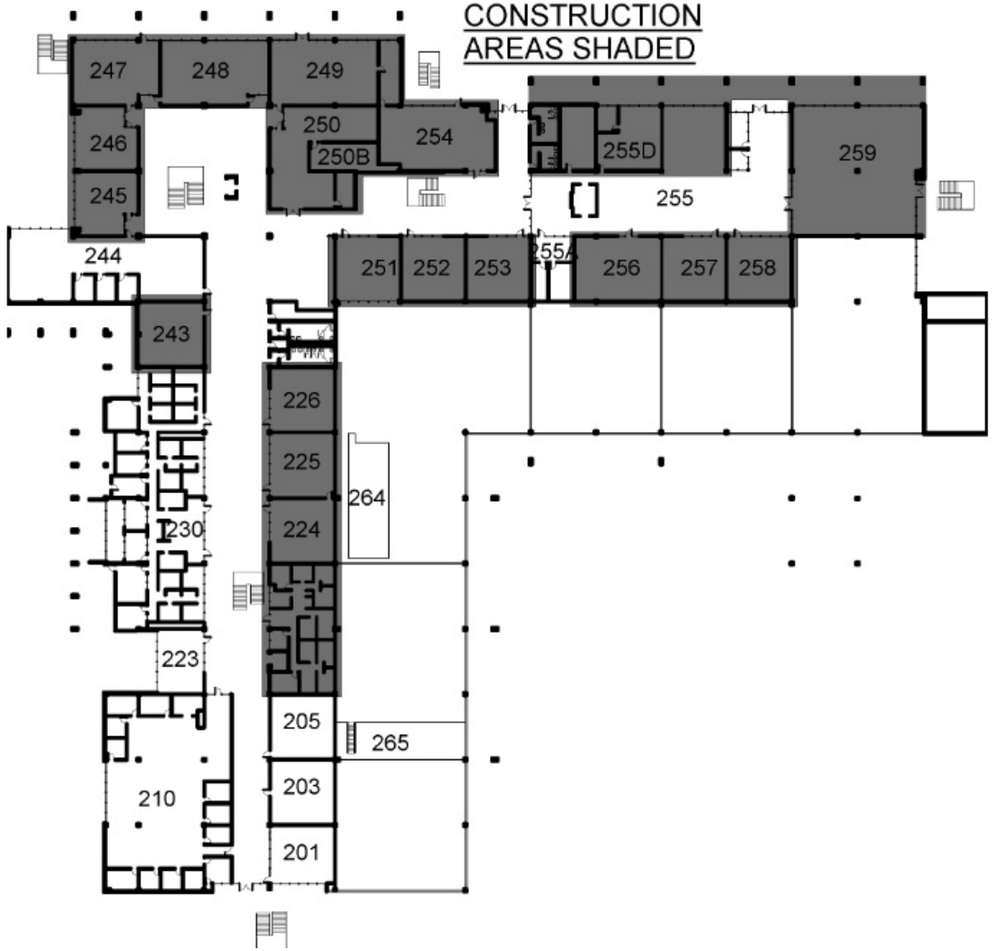

Choose a location: Sylvania

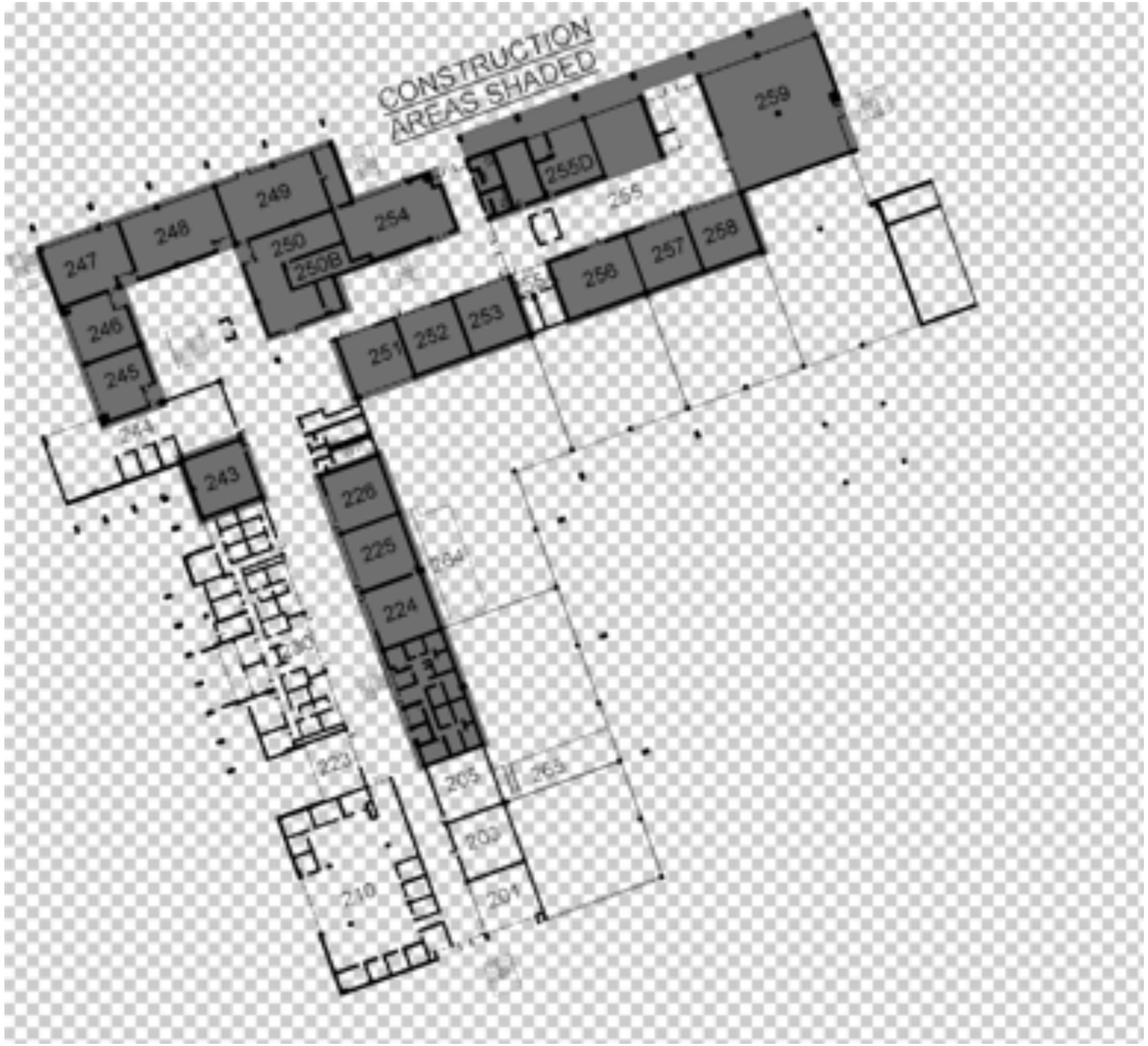
```
"locations": [
   …
   {
     "name": "Sylvania",
     "slug": "sy",
     "locations": [{
        "name": "Amo De Bernardis College Ctr (CC)",
        "lat": 45.437956,
        "lng": -122.731940,
        "zoom": 19,
        "description": "The College Center Building is large … "
```

Choose a location: Sylvania Amo De Bernardis College Ctr (CC)

```
"locations": [
    …
    {
      "name": "Sylvania",
      "slug": "sy",
      "locations": [{
         "name": "Amo De Bernardis College Ctr (CC)”,
         "locations": [{
             "name": "1",
             "overlay": "/floorplans/sy-cc-1.png",
             …
```

Choose a location: Sylvania | Amo De Bernardis College Ctr (CC) | 1





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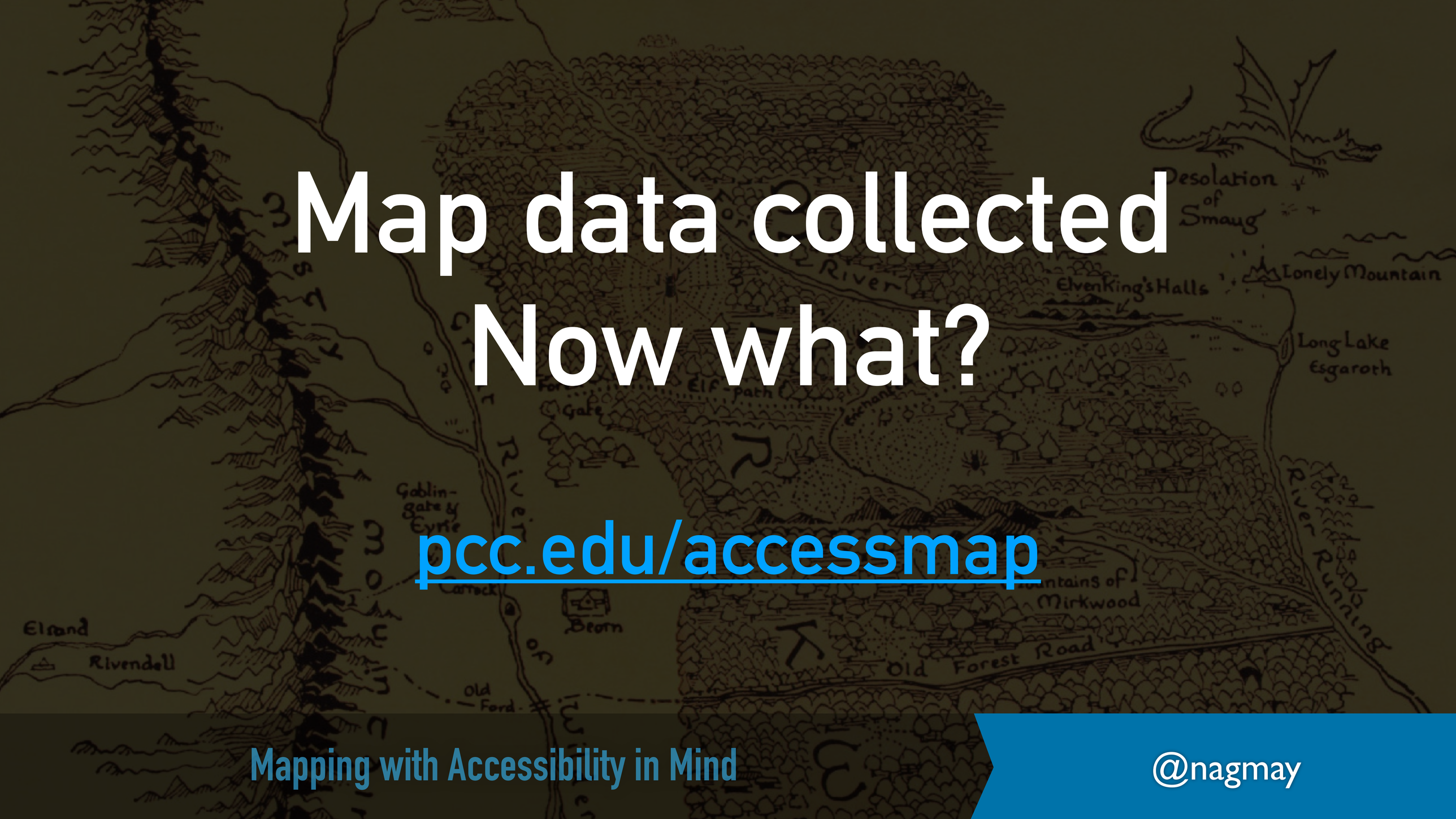


Map data collected
Now what?

pcc.edu/accessmap

Feature: All accessibility features featu

Campus: Southeast

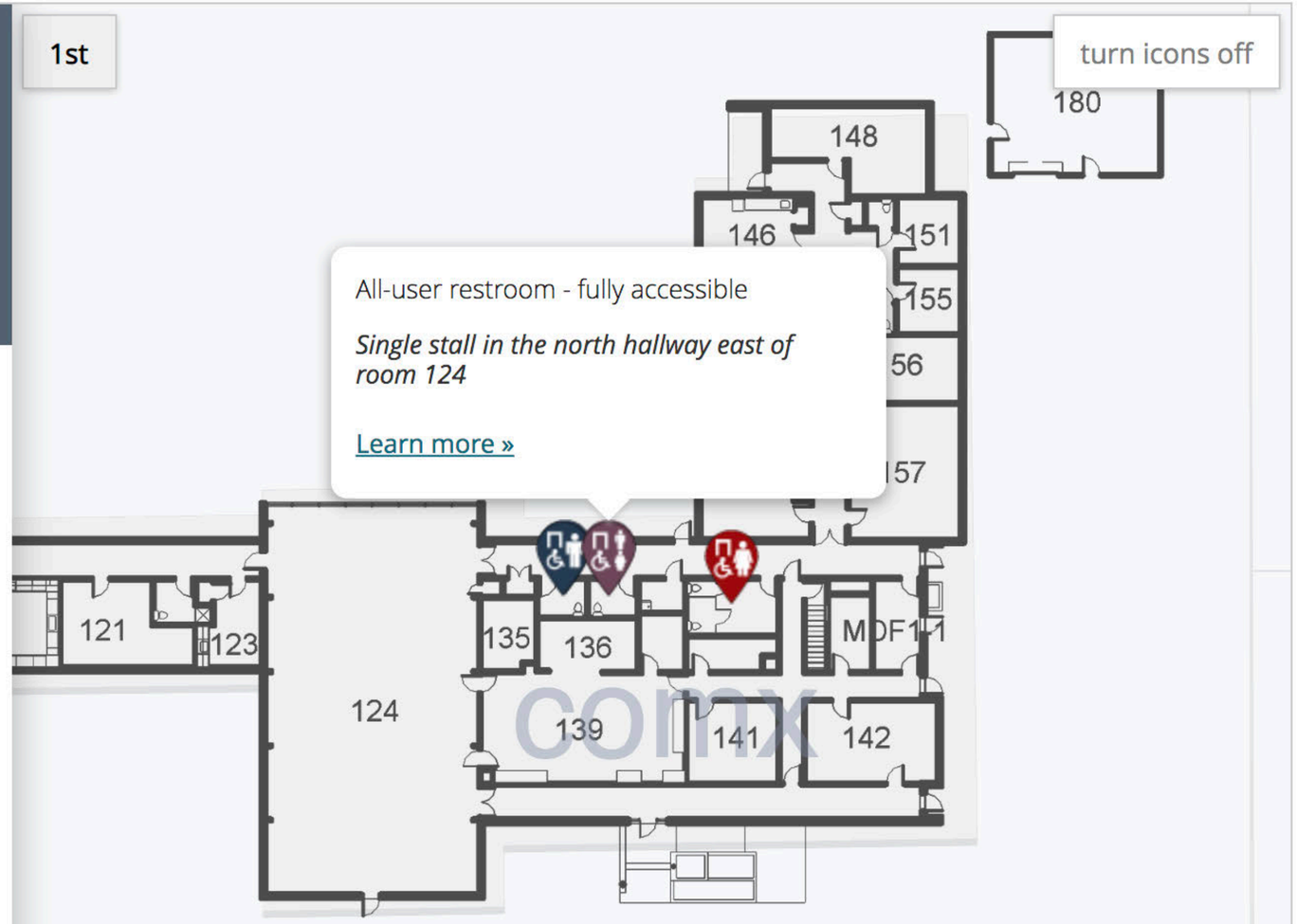
Building: Community Hall Annex (COM

The Community Hall Annex (CHAX) is located behind (north of) the Administration Building on SE 80th Ave. The front of the building consists of a delivery entrance and the main entrance, which is in the left corner as you face the building. The entrance opens to a long hall that leads to Community Hall.

Men's restroom - fully accessible
In the north hallway just east of room 135

Men's restroom - fully accessible
North public hallway

All-user restroom - fully accessible
Single stall in the north hallway east of room 124



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Considering accessibility

- Methods of interaction
- Alt text everything
- Other assistive devices

Feature: All accessibility features featu

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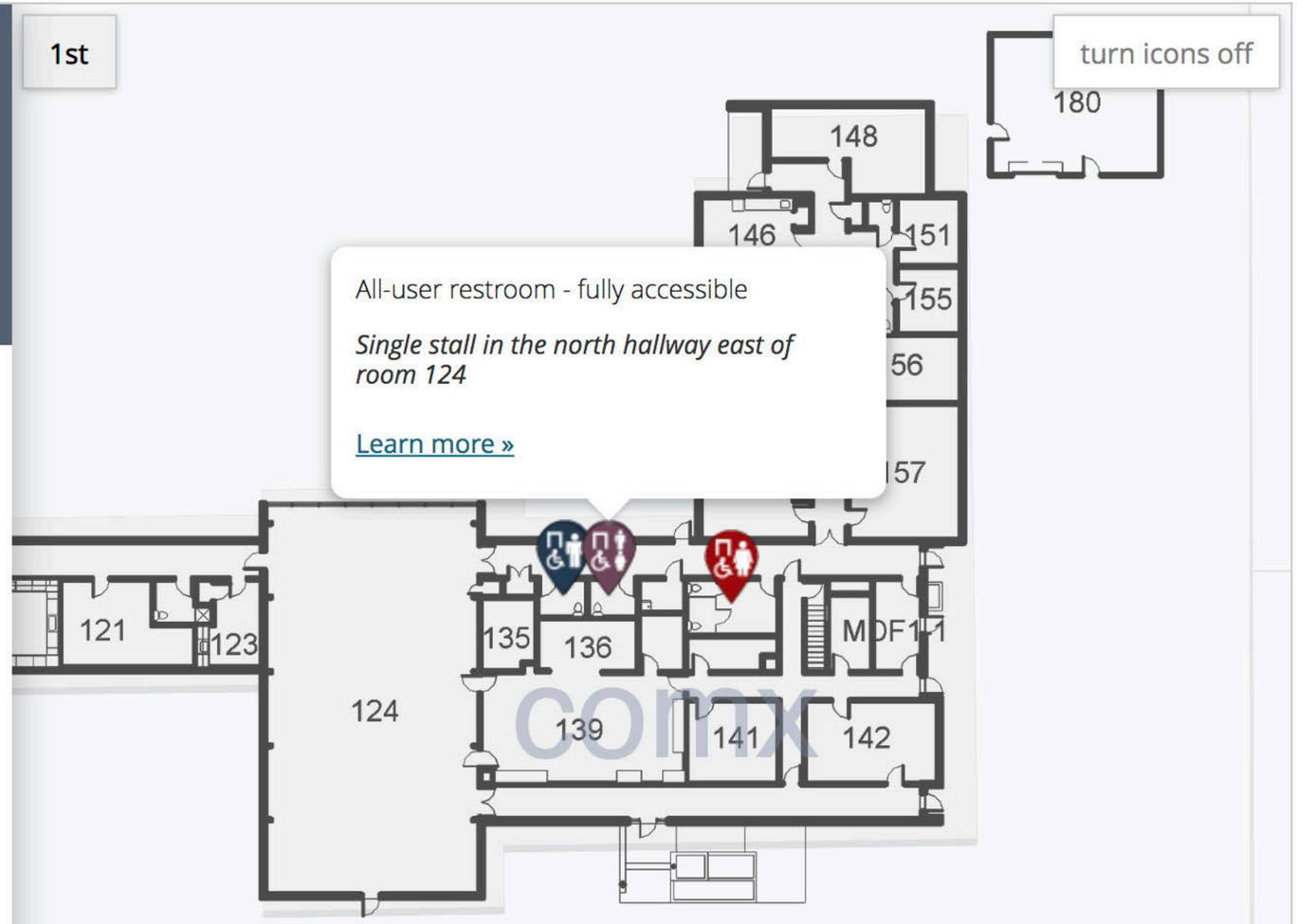

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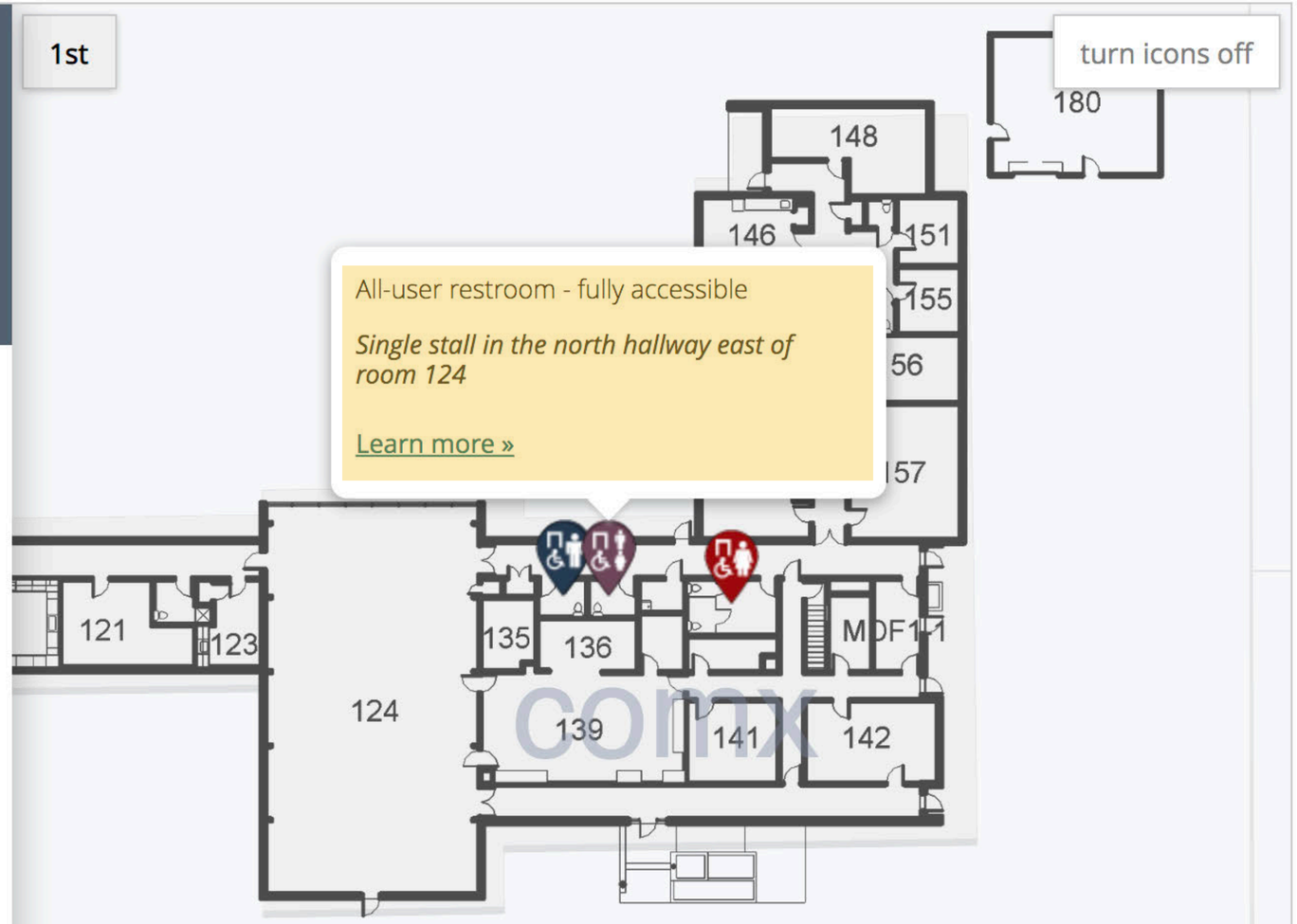

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What's next

- Open Street Maps
- Search and filter
- Classrooms locations

Thanks!

Questions: @nagmay

Try it out: pcc.edu/accessmap

Feedback: 2019.wpcampus.org/feedback/mapping-with-accessibility-in-mind/