

TEXTURE & COLOR AESTHETICS

PENN STATE CAMPUS MAP
PROJECT
GEOGRAPHY 467
CINDY BREWER
JENA DIFRISCO

GOALS

1. Create a visually appealing color scheme for online campus map
2. Add textures to make a stylized campus map
3. Create a competitive online campus map
 - Similar to Campus Bird Maps & University of Maryland

WORKFLOW

1. Import map into Mapbox
2. Search for seamless textures/patterns
3. Make seamless textures/patterns
4. Add textures/Colors
5. Apply Effects, Fix Opacity, Choose Comp–Op
6. Add Roof line Detail & Trees

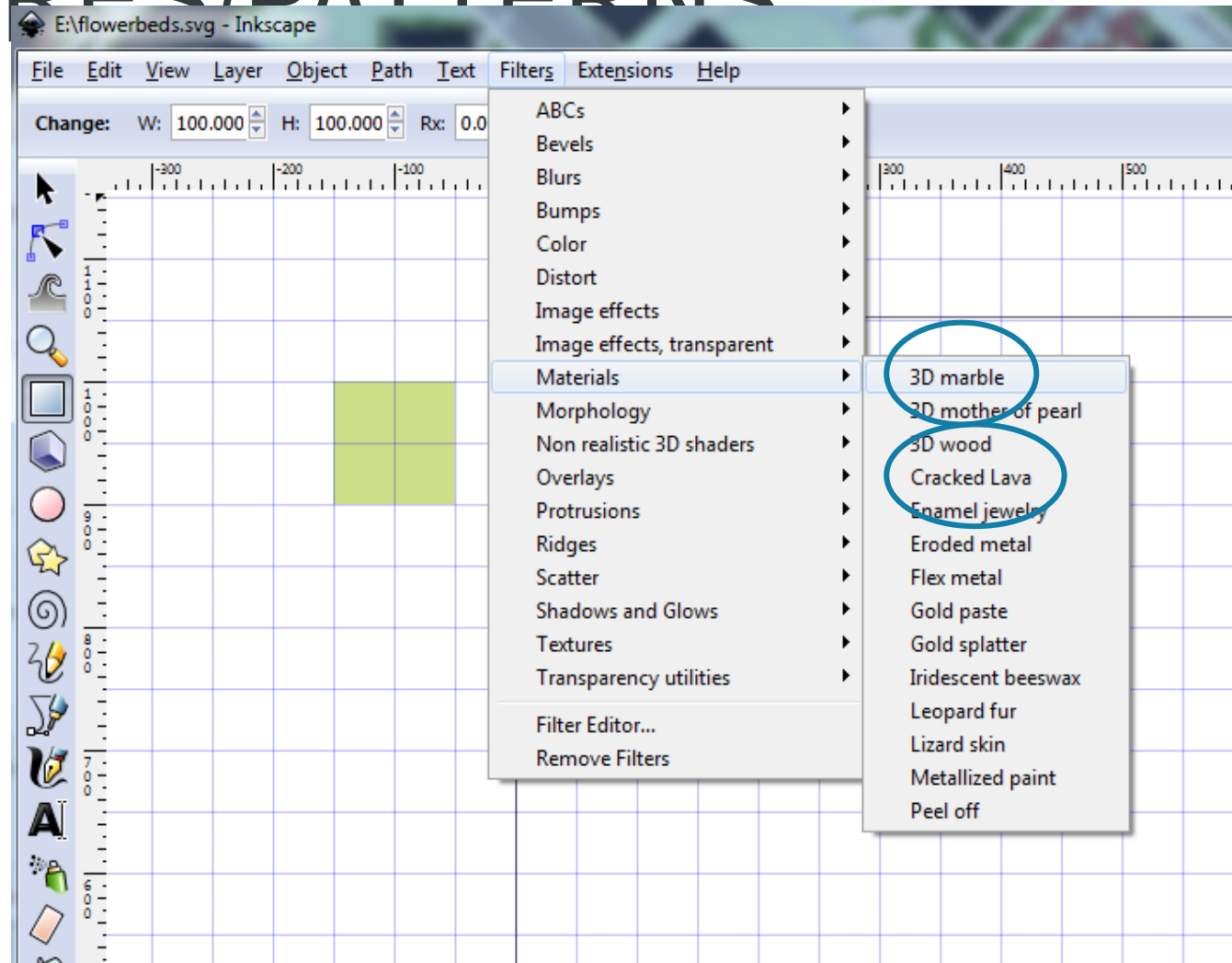
	style	-	basemap	labels	+	
1	Map {					
2	background-color: #f9fddc;					
3	::pattern {					
4	background-image:url("grass2.png");					
5	background-image-comp-op: multiply;					
6	background-image-opacity: 0.2;					
7	}					
8						
9	}					
10						
11	#PSU_OPP_Boundary201402 {					
12	polygon-fill: #a7d79c;					
13	polygon-opacity: 0.5;					
14	comp-op: multiply;					
15	}					
16						
17	#PSU_OPP_Roads_unpaved201402,					
18	#PSU_OPP_Misc_paved201402,					
19	#PSU_OPP_Parking201402 {					
20	["LAYER" = "C-PKNG-BITUM"] {					
21	::fill { polygon-fill: #626363; }					
22	::pattern {					
23	polygon-pattern-file: url("wall4.png");					
24	polygon-pattern-alignment: local;					
25	polygon-pattern-opacity: 0.5;					
26	comp-op: overlay;					
27	image-filters: agg-stack-blur(1,1);					
28	}					
29	}					
30	}					
31	#PSU_OPP_Roads_major201402,					
32	#PSU_OPP_Roads_minor201402 {					
33	["LAYER" = "C-ROAD-MAJOR-BITUM"] {					
34	::fill { polygon-fill: #626363; }					
35	::pattern {					
36	polygon-pattern-file: url("wall4.png");					
37	polygon-pattern-alignment: local;					
38	polygon-pattern-opacity: 0.5;					
39	comp-op: overlay;					
40	image-filters: agg-stack-blur(1,1);					
41	}					
42	}					
43	}					
44	#PSU_OPP_Parking_Stripes201402,					
45	#PSU_OPP_Crosswalks_ln201402,					
46	#PSU_OPP_Crosswalks_poly201402, {					
47	[zoom]>=18 {					
48	line-width: 0.8;					
49	line-color: #fff;					

	style	basemap	-	labels	+	
1	@motorway_case: #ccc;					
2	@motorway_fill: #ccc;					
3	@rail: #666;					
4	@land: #f2f1c5;					
5	@buildings: #ececfl;					
6						
7	#landuse {					
8	[class='pitch'] {					
9	polygon-fill: #9ed691;					
10	}					
11	[type='fairway'] {					
12	polygon-fill: #b0e4b0;					
13	polygon-smooth: 0.8;					
14	}					
15	[type='green'] {					
16	polygon-fill: #d0ffd0;					
17	polygon-smooth: 0.8;					
18	}					
19	[type='bunker'] {					
20	polygon-fill: #ffffaa;					
21	polygon-smooth: 0.8;					
22	}					
23	}					
24						
25	#tunnel { opacity: 0.5; }					
26						
27	#road,					
28	#tunnel,					
29	#bridge {					
30	['mapnik:geometry_type'=2] {					
31	[class='motorway'][zoom]>=10,					
32	[class='motorway_link'][zoom]>=10] {					
33	::casing {					
34	line-color: @motorway_case;					
35	line-width: 1 + 2;					
36	line-join: round;					
37	[zoom]>=10 { line-width: 1 + 1; }					
38	[zoom]>=12 { line-width: 1 + 2; }					
39	[zoom]>=14 { line-width: 2 + 2; }					
40	[zoom]>=16 { line-width: 6 + 2; }					
41	[zoom]>=18 { line-width: 12 + 3; }					
42	}					
43	::fill {					
44	line-color: @motorway_fill;					
45	line-width: 1;					
46	line-join: round;					
47	[zoom]>=10 { line-width: 1; }					
48	[zoom]>=12 { line-width: 1.5; }					
49	[zoom]>=14 { line-width: 3; }					

	style	basemap	labels	-	+	
1	#road_label [zoom]>=15] {					
2	text-name: [name];					
3	text-face-name: 'Clan Offc Pro Extd Medium';					
4	text-size: 10;					
5	text-fill: #fff;					
6	text-transform: uppercase;					
7	text-halo-opacity: 0.5;					
8	text-halo-fill: #8a8a8a;					
9	text-halo-radius: 2;					
10	text-placement: line;					
11	text-repeat-distance: 500;					
12	text-min-path-length: 50;					
13	text-margin: 4;					
14	text-avoid-edges: true;					
15	}					
16						
17	#poi_label [zoom]>=17] {					
18	text-name: [name];					
19	text-face-name: 'Clan Offc Pro Medium';					
20	text-size: 12;					
21	text-wrap-width: 10;					
22	text-fill: white;					
23	text-halo-opacity: 0.5;					
24	text-halo-fill: #333;					
25	text-halo-radius: 2;					
26	text-margin: 10;					
27	text-avoid-edges: false;					
28	[zoom]=19 {					
29	text-wrap-width: 50;					
30	text-size: 10;					
31	text-margin: 5;					
32	}					
33	}					
34						
35	#poi_label [zoom]>15] [makil='marker'] {					
36	marker-fill: #ffffff;					
37	marker-line-color: black;					
38	marker-file:url('icons/[makil]-18.svg');					
39	}					

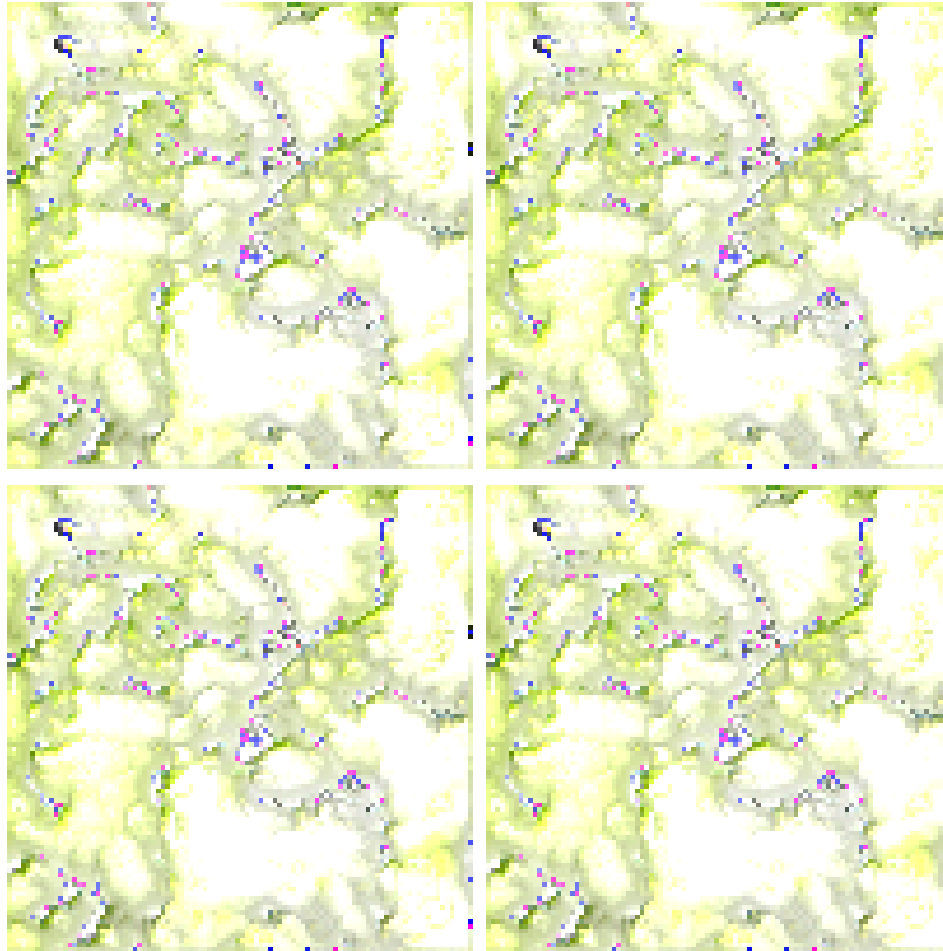
2. SEARCH FOR SEAMLESS TEXTURES/PATTERNS

3. MAKE SEAMLESS TEXTURES/PATTERNS



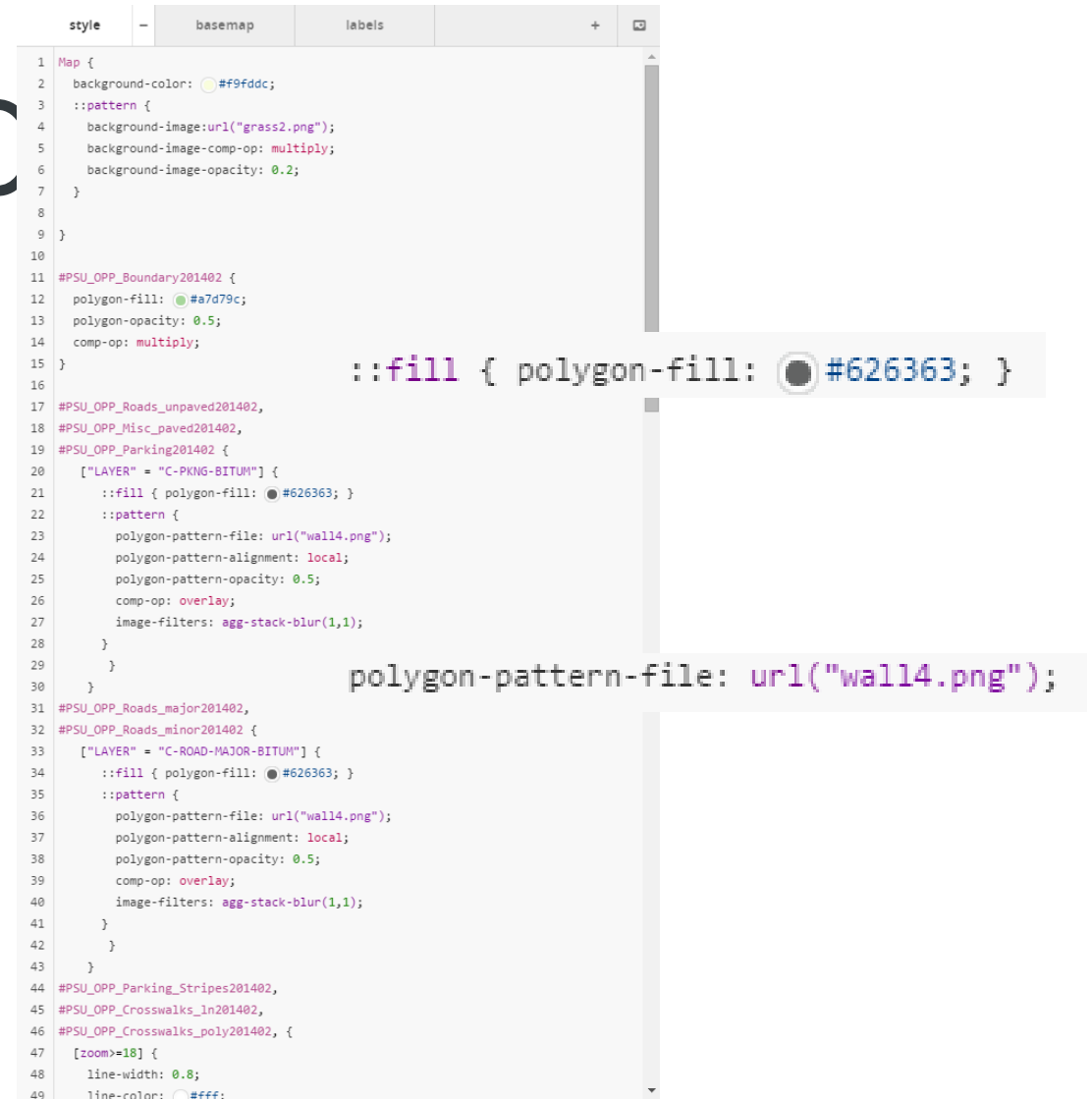
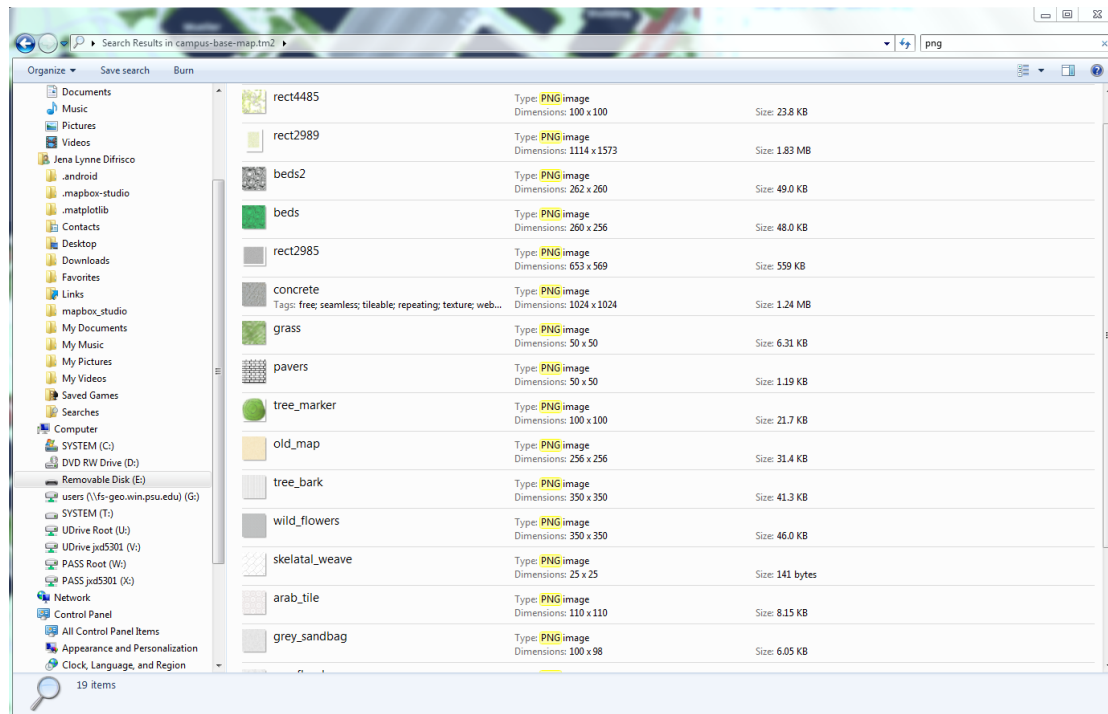
Inkscape

3. MAKE SEAMLESS TEXTURES/PATTERNS



Final Seamless Flower Bed Texture

4. ADD TEXTURES/COLORS



4. ADD TEXTURES/COLORS

5. APPLY EFFECTS, FIX OPACITY, CHOOSE COMP-OP

```
#PSU_OPP_Planting_Beds201402 {  
  ["LAYER" = "L-PLNT-BED"] {  
    ::fill { polygon-fill: #2f5c1b; }  
    ::pattern {  
      polygon-pattern-file: url("rect4485.png");  
      polygon-pattern-alignment: global;  
      polygon-pattern-opacity: 1.0;  
      comp-op: soft-light;  
      image-filters: agg-stack-blur(1,1);  
    }  
  }  
}
```



4. ADD TEXTURES/COLORS

5. APPLY EFFECTS, FIX OPACITY, CHOOSE COMP-OP

```
#PSU_OPP_Roads_minor201402 {  
  ["LAYER" = "C-ROAD-MAJOR-BITUM"] {  
    ::fill { polygon-fill: ● #626363; }  
    ::pattern {  
      polygon-pattern-file: url("wall14.png");  
      polygon-pattern-alignment: local;  
      polygon-pattern-opacity: 0.5;  
      comp-op: overlay;  
      image-filters: agg-stack-blur(1,1);  
    }  
  }  
}
```



ORIGINAL DESIGN VS. MY DESIGN



6.ADD ROOF LINE DETAIL & TREES

LIVE DEMO

<http://pennstategeog467.github.io/campus-map/#19/40.79834/-77.86371>

6.ADD ROOF LINE DETAIL & TREES



7. FUTURE PROJECT

