

**CprE 492 Weekly Report****May1610****Week 3(January 29, 2016)**

Project Name: Geospatial Mapping for Coverage Analysis

Advisors: Akhilesh Tyagi &amp; Swamy Ponpandi

Client: John Deere (Benazir Fateh)

**Group Members:**

- Luke Milius - Team Leader
- Frankie Nelson - Team Key Concept Holder
- Sarah Ulmer - Team Webmaster
- Brenda Lopez - Database Lead
- Jake Caithamer - Team Communication Leader

**Attendance:**

- Luke Milius (2)
- Frankie Nelson (2)
- Sarah Ulmer (2)
- Brenda Lopez (2)
- Jake Caithamer (1)
- Swamy Ponpandi (1)

<b><u>Team Member</u></b>	<b><u>Individual Accomplishments</u></b>	<b><u>Hours Contributed [week(total)]</u></b>
Luke Milius	Created initial flow to get points to the client with a Mapbox map. Able to place one or multiple points on the map.	4(15)
Frankie Nelson	Worked on customizing appearance for map points.	3(12)
Sarah Ulmer	Worked on reporting tool, created a basic bar graph	5(11)
Brenda Lopez	Meetings. Found and loaded the US county shapefile into database. Created a PostGIS database and included the	7(15)

	geometry column to comply with Mapbox SRID for the US counties table.	
Jake Caithamer	Improved SVG framework and line graph to include axis and proper padding and scaling.	5(11)

**Accomplishments from last week:**

- Met with advisor for the first time
- Continued working on implementing functionality, as detailed above
- Reworked our database to include geographical shape data. Still needs testing

**Topics Discussed:**

- Some issues we were having with project structure and with JSON
- Figured out meeting times with our client (every other Thursday during the normal 492 lecture time)
- Spent some time telling each other how different parts of the project work

**Upcoming Week**

- Test shapes and regions in the database
- Create ways for the reporting tool to pull different sets of data from the database
- Expand on mapping functionality to allow more and better display options