**Weekly Report for Week Ending 4/17/2015**

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# **Status Summary**

* Built PostGreSQL tables from the Victoria data CSV files
* Contemplated different methods for processing the data
  + PIG (using Hadoop) looked promising but implementing it proved difficult
  + Prefer to utilize SQL since we are more familiar with it

## Top Highlights

* Unified team goal of formatting the data
* On the same page as Dr. Avazpour wants us to be

## Top Lowlights

* Lots of work not going to pan out as planned.
  + Server implementations
  + Code traces of the National Map proving useless

# **Accomplishments vs. Plan**

* Determine best way to handle big data/wrangle data
  + Owner: Team
  + **Complete - Will continue forward using SQL to organize the data**
* Pick a strategy for a development of a module
  + Owner: Team
  + **In progress - focused more on formatting data that the module aspect**

# **Goals for Next Week**

* Finish queries for organizing the Victoria data to resemble the New South Wales data
  + Owner: Team
  + **In progress**
* Join data to New South Wales data
  + Owner: Team
  + **Waiting on finishing queries**
* Factor in the weights to receive our weighted values.
  + Owner: Team
  + **In progress**

# **To Finish Semester**

* + Finish queries for formatting Victoria data to resemble New South Wales data
    - Finish “equations” for queries
  + Export a CSV of the aggregated Victoria data
  + Join Victoria CSV to New South Wales CSV
  + Add location data to combined CSV file
  + Divide complete CSV into KML files compatible with the National Map

## Risks

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID#** | **Status** | **Risk** | **Owner** | **Probability/ Priority** | **Impact** | **Trigger** | **Recommendation / Resolution** |
| R001 | Available,but not moved to it | Will need to move to an encrypted github later. | Team | 100% / Medium | Might recreate the setup process later in the project and cause a bottleneck. | Need decision in  2 weeks | Iman told us he will work on getting this set up for us this week. We are sending him Github usernames. |
| R002 | In Process | Constant National Map updates may break our project. | Team | 10%/Low | Our project may need to be adjusted to input the data into the map in new ways. | Continuous throughout the semester. | We are forking a copy of the national map that we can update as we test. It seems the formats should be set well enough so this has less chance of occurring. |
| R003 | In Process | We may not ever understand the code enough to process the data correctly | Team | 30%/Medium | Possibly not meeting deliverables | Continuous | We may need to spend overtime understanding the application |
| R004 | In Process | Time constraints may be an issue nearing the end of the semester | Team | 100% / High | We may not finish all our requirements by the end of the semeseter | Continuous | We will put in extra work and effort finishing the project |

## Issues

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID#** | **RID#** | **Status** | **Issue** | **Owner** | **Due Date** | **Impact** | **Recommendation / Resolution** |
| I001 |  | Complete | Meeting schedules | Team | 1/31/2015 | May each have to adjust our schedules slightly to accommodate our project. | Created Google calendar where we can all share our schedules |
| I002 |  | Complete | Ability to download already formatted datasets from National Map | Team |  | Slows our progress down as we are not able to analyze what they have done. | Project mentor will get back to us and we will be hearing from an engineer on the map |
| I003 |  | Complete | Learning QGIS data formatting tool | Team |  | Will slow us down a-bit until we learn how to use the tool | Will start learning how to use the tool this week |
| I004 |  | Complete | Learning Postgres  and Post-GIS | Sean  and Eric |  | Will slow us down slightly depending on the rate at which we learn this. | Learning process begins this week |
| I005 |  | Complete | Setting up PostgreSQL and Post\_GIS | Sean  and Eric |  | Will slightly slow us down as our data won’t be in the correct format for the map to process | Research on how to properly set up a PostgreSQL database |
| I006 |  | On hold | Planned method for debugging the map results in Chrome crashing consistently | Jordan |  | Have to adjust method for debugging through the map code. | Use Chrome developer tools more effectively or find an IDE that would allow for the debugging needed. |
| I007 |  | On hold | PostgreSql table not working as expected. We expected the data would work properly on the Map. | Sean  and  Eric |  | Affects our ability to get data uploaded to the map. We are unable to show our visualizations on the map. | We will try and get in touch with the engineer. |
| I008 |  | In progress | Integrating New South Wales and Victoria data. Getting the Victoria data aggregated. | Team |  | This will take some thinking and may take time. We need to think of way to integrate the data. Also figure out the best method to aggregate Victoria. | Format Victoria to match NSW data, add location data, join them together, and separate into KML files for the map. |

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| **Project Success Indicator** | 1/31/14 | 2/7/14 | 2/14/2014 | 2/21/2014 | 2/28/2014 | 3/7/2014 | 3/14/2014 | 3/21/2014 | 3/28/2014 | 4/4/2014 | 4/11/2014 | 4/18/2014 | 4/25/2014 | 5/2/2014 |
| Planned milestone events are being met | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Budget is under control | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Quality control results are within specifications | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Change control process indicates minimal requests for change | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Project resources are being supplied per schedule and skill levels are adequate | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Project team appears to be cohesive and reasonably happy | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Users seem satisfied with progress of the work | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Top management remains visibly supportive of the project goals | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Third-party vendors are delivering quality items on schedule | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Risk events are under control and nothing unusual is appearing | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Project training program is progressing according to plan | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |
| Relationships with support groups appear to have no identifiable issues | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |