**Suitability of use of iUTAH GAMUT data for water quality modeling of Logan river, Cache Valley, Utah**

Report:

Why is modeling important?

What kind of data does the model require?

iUTAH GAMUT as an option?

Various data available from it, other questions

1. What do the data represent?

(TODO: Plots of data over all the years, attributes)

1. How were the data created, collected, and/or observed?
2. What is the format or syntax of the data?
3. What manipulations, transformations, or derivations have been performed to produce the data?

5. What are appropriate uses for the GAMUT datasets?

6. What are the limitations of the data?

Just three years of historical data available

7. Are there differences in the way the data at different sites or in different watersheds were

produced that make them incompatible?

Figures:

Bibliography:

iUTAH GAMUT Working Group (2014), iUTAH GAMUT Network Raw Data at Logan River near the Water Lab Advanced Aquatic Site (LR\_WaterLab\_AA), 1.0, iUTAH Modeling & Data Federation, http://repository.iutahepscor.org/dataset/iutah-gamut-network-raw-data-at-logan-river-near-the-water-lab-advanced-aquatic-site-lr-waterlab-aa

(iUTAH GAMUT site chosen – Logan river at the Utah Water Research Laboratory west bridge (LR\_WaterLab\_AA)(http://data.iutahepscor.org/mdf/river\_info/iUTAH\_Logan\_OD/LR\_WaterLab\_AA/))