Utah’s current and future water resources: A story told through maps

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Objective: Help the public, academics and policy makers understand water resources through visualization of statewide maps.

Methods: ESRI ArcGIS software. Numerous mapping tools & techniques, including:

- Clipping
- Digitizing
- Projecting

Future Work/Data Needs: Completion of other statewide maps depicting:

- Average Annual Streamflow
- Urban Growth Projections
- Average Snow Depth
- Groundwater Development
- Potential Evaporation/ Evapotranspiration
- Agricultural Revenue
- Water Quality Concerns

Data Sources:

- Utah Mapping Portal (gis.utah.gov)
- Natural Resource Conservation Service (datagateway.nrcs.usda.gov)
- National Hydrology Dataset (nhd.usgs.gov)
- National Hydropower Asset Assessment Program (nhaap.ornl.gov)
- National Land Cover Database (landcover.usgs.gov)
- National Atlas (nationalatlas.gov)