**CSCAP Atlas – Weather Data**

* state\_polygons.csv

Dataset with state polygons in the CSCAP survey region.

* huc6\_polygons.csv

Dataset with HUC6 watershed polygons in the CSCAP survey region.

* WeatherCoopInHUC6.csv

Dataset with weather variables collected for CSCAP efforts. There is a single record for each NWS COOP site included in the analysis. Sites are identified by their identification number in the Iowa Environmental Mesonet archive.

* WeatherHUC6.csv

Dataset with station-level weather variables aggregated by HUC6 watershed. Values are computed as the median of the stations in each watershed. A map of one variable is illustrated in atlas\_map.R

* FlagPrecip.RData

R dataset with some COOP precipitation that has been flagged as questionable.

* atlas\_map.R

R script for generating a sample atlas map. Data are read from WeatherHUC6.csv

* coopfns.R

R functions for producing various summaries from COOP data. These primarily consist of queries to a PostgreSQL database with COOP data.

* copsurveyhuc6.R

R script to assemble weather data summaries for multiple COOP stations in the CSCAP survey watersheds.