DWRAT DataScraping GitHub Repository README

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I have set up 3 folders for this project:

Supply
This folder contains the files necessary for automating the Santa Rosa Plains (SRP) GS Flow and PRMS (Precipitation-Runoff Modeling System) hydrology models. As of 2023-05-26 has 5 subfolders. The pre-processing and post-processing of the *PRMS* model has been nearly entirely automated. By contrast, much of the *SRP GS Flow* model still needs to be automated.

- *Documentation:* This folder contains relevant emails, PDFs, Word Documents and other files containing instructions or information about the project.
- *InputData:* This folder contains the datasets used for loops and functions, e.g. station lists. Maintaining these datasets as CSVs is easier than creating then as dataframes.
- *ProcessedData:* This folder contains datasets that have been manipulated in some way by R Scripts, spreadsheets, etc.
- *Scripts:* This folder contains all scripts associated with this project
- *WebData:* This folder contains unaltered datasets scraped or downloaded from the Internet, e.g. weather station data

Demand
This folder contains the files necessary for converting the raw diverter demand data from eWRIMS into a processed, QAQC'd demand dataset ready for importation into DWRAT. As of 2023-05-26, this folder has 4 subfolders, which just contain placeholder scripts–the actual scripts have yet to be written.

- *Documentation*: This folder will contain relevant emails, PDFs, Word Documents and other files containing instructions or information about the project.
- *InputData* This folder will contain the raw diverter demand datasets from eWRIMS.
- *ProcessedData:* This folder will contain datasets that have been manipulated in some way by R Scripts, spreadsheets, etc.
- *OutputData*: This folder will contain the final demand dataset CSVs that are ready for importation to the Upper Russian River (URR) and Lower Russian River (LRR) Drought Water Rights Allocation (DWRAT) models.
- *Scripts*: This folder will contain the scripts that convert the raw diverter demand datasets into the final datasets to be used by the DWRAT models.

Allocation
This folder will contain the files necessary for running the URR and LRR DWRATs, each of which will have a separate folder.

- ***URR DWRAT***
  - *Input:* This folder contains the input files for the URR DWRAT run.
  - *Output:* This folder contains the output files for the URR DWRAT run.
- ***LRR DWRAT***
  - *Input:* This folder contains the input files for the LRR DWRAT run.
  - *Output:* This folder contains the output files for the URR DWRAT run.