WATERSHED WEBPAGES

We developed watershed webpages for each of our watershed study areas. These are designed as a one-stop-shop for anyone who wishes to learn more about these areas or the work our researchers are doing. We also have information about various datasets and decision-making tools that are available for each of the study areas.

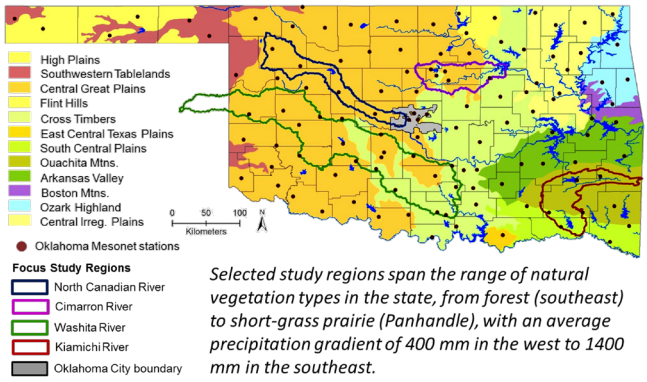
PROJECT OVERVIEW

The Oklahoma NSF EPSCOR program is designed to increase Oklahoma's research competitiveness nationally by advancing our existing research capacity. The current project, "Adapting Socio-Ecological Systems to Increased Climate Variability," is threefold:

1. Establish a state-wide socio-ecological observation network to collect data in the coupled human-natural system (such as human perceptions of climate change/extreme weather, soil moisture, water quality, etc.).
2. Build a fully integrated model that can be used to better understand these complex systems and predict future scenarios based on the data obtained from the observation network.
3. Develop a decision-support system that could be used by decision makers in future management decisions and researchers across Oklahoma who wish to build upon our work.

Watershed Study Areas:

- Washita River Watershed
- Kiamichi River Watershed
- Lower Cimarron River Watershed
- North Canadian River Watershed



Selected study regions span the range of natural vegetation types in the state, from forest (southeast) to short-grass prairie (Panhandle), with an average precipitation gradient of 400 mm in the west to 1400 mm in the southeast.

ONE-STOP-SHOP

For each of the watersheds, we provide an overview of the watershed (landscape, climate, uniqueness, etc.) and a brief description of the research our team is doing in the area. We also included a page for each watershed that lists academic publications of research efforts done in that watershed and publications for models that have been developed/calibrated. Additionally, we developed a page for each watershed that includes datasets (land cover, climate, social, biological, etc.) and decision support tools for that watershed. The data page includes a brief description for each product shown and directions on how to obtain a copy of the data.

WEB ADDRESS

http://water.okstate.edu/watersheds

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