**Problem:** *Impacts of Dams and Reservoirs*

**Statement:**

Graf’s paper (1999) describe some impacts of dams and their reservoirs on rivers and river processes. For this assignment, we will examine subsequent research on dam impacts in five journal papers:

* Singer, M. B. (2007). "The influence of major dams on hydrology through the drainage network of the Sacramento River basin, California." River Research and Applications 23(1): 55-72.
* Grantham, T. E., et al. (2013). "Water management in mediterranean river basins: a comparison of management frameworks, physical impacts, and ecological responses." Hydrobiologia 719(1): 451-482.
* Grill, G., et al. (2015). "An index-based framework for assessing patterns and trends in river fragmentation and flow regulation by global dams at multiple scales." Environmental Research Letters 10(1): 15.
* Poff, N. L., et al. (2007). "Homogenization of regional river dynamics by dams and global biodiversity implications." Proceedings of the National Academy of Sciences of the United States of America 104(14): 5732-5737.
* Chin, A., et al. (2008). "The hydrologic importance of small- and medium-sized dams: Examples from Texas." Professional Geographer 60(2): 238-251.

In class, you will pick one to review. After first reviewing portions, identify and briefly describe:

1. Describe the system analyzed
2. List the major findings
3. Identify graphs/sketches that illustrate major points

Do not submit anything on ICON. Instead, on the assignment due date, bring a copy you material as Powerpoint slides to class to discuss with others.

**Solution:**