

MIKE PSARIS

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EDUCATION

M.S. Geography, Portland State University, Portland, OR 2011 – March 2014

- President of Friends of Geography Club 2012 – 2013
- Received the Courtney Fellowship and the Rockie Scholarship

GIS Certificate, Portland State University, Portland, OR 2010 – 2013

B.A., Physics, Mathematics minor, Gettysburg College, Gettysburg, PA 2000 – 2004

COMPETENCIES

ESRI's ArcGIS, Python (ArcPy), R Statistical Package, MS Excel, Adobe Illustrator, MS PowerPoint, SWAT Watershed Model

EXPERIENCE

Research Assistant

Geography Dept., Portland State University, Portland, OR July 2010 – Present

- Conducted GIS and statistical analysis for a study investigating the landscape controls on stream temperature.
- Constructed a watershed model of two basins in Northwest Oregon for a study investigating future trends in stream flow and water quality.
- Used hydrologic and climate data to develop statistical models of stream temperature for tributaries of 13 dams throughout the Willamette River Basin.

Research Assistant

Center for Spatial Analysis and Research
Geography Dept., Portland State University, Portland, OR August 2013 – Present

- Developed maps of the Alagnak River for an ethnography report on the Yupik people.
- Digitized and performed GIS Analysis on roads and destination data for the Mt. Baker-Snoqualmie National Forest Sustainable Roads [Project](#).

Student Internship

United States Forest Service, Portland, OR June 2012 – Aug 2012

- Used Trimble GPS hand-held devices to collect locations of plots in the Pringle Falls Experimental Forest.

Customer Service Representative

REI - Recreational Equipment Inc., Portland, OR Sept 2010 – Sept 2011

REI - Recreational Equipment Inc., Santa Ana, CA Nov 2007 – Sept 2010

EKG Technician

April 2008 – Sept 2010

Radiology Front Office Clerk

Mar 2006 – April 2008

Anaheim Regional Medical Center, Anaheim, CA

PEER-REVIEWED PUBLICATIONS

Chang, H. & Psaris, M. (2013): Local landscape predictors of maximum stream temperature and thermal sensitivity in the Columbia River Basin, USA. *Science of the Total Environment*, 461-462:587-600.

Chang, H., Jung, I.W., Strecker, A., Wise, D., Lafrenz, M., Shandas, V., Moradkhani, H., Yeakley, A., Pan, Y., Bean, R., Johnson, G. & Psaris, M. (2013): Water supply, demand, and quality indicators for

assessing the spatial distribution of water resource vulnerability in the Columbia River Basin. *Atmosphere-Ocean*, 51(4):339-356.

INVITED TALKS

Assessing the impacts of climate change, urban growth, and filter strips on water quality using SWAT. March 25th, 2014. Invited talk - Watershed Management Section, Oregon Department of Environmental Quality.

CONFERENCE PRESENTATIONS

Psaris, M. & Chang, H. (2012, February): Hydrologic landscape factors affecting the relationship between air and stream temperature. Paper presented at the Association of American Geographer's Annual Meeting, New York, NY.

Psaris, M., Hoyer, W. & Chang, H. (2013, September): Assessing shifts in hydrologic ecosystem services resulting from climate and land use changes using the SWAT model. Poster presented at the Pacific Northwest Climate Science Conference, Portland, OR.

Psaris, M., Hoyer, W., Chang, H., Winfield, T. & Lambrinos, J. (2012, December): Hydrologic modeling of urbanizing Oregon basins for water-related ecosystem service assessment using SWAT. Poster presented at the American Geophysical Union's Annual Meeting, San Francisco, CA.