

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Research and Enhancements to Wyoming's National Hydrography Dataset (NHD) and Watershed Boundary Dataset (WBD)

Type of Project: Technical Assistance

Project Discipline: Natural

Funding Agency: USGS

Other Partners/Cooperators: University of Wyoming

Effective Dates: 7/9/2010 - 9/1/2015

Funding Amount: \$103,032 [FY11: \$52,204; FY10: \$50,828]

Investigators and Agency Representative:

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Project Abstract:

The objective of this research is to improve/update the National Hydrography Dataset (NHD) and Watershed Boundary Dataset (WBD) for the state of Wyoming. Primary goals for this project are to: 1) improve integration of the Geographic Names Information System (GNIS) data with the NHD by updating missing/incorrect GNIS names and/or GNIS feature IDs for the NHD's stream and waterbody features, 2) create a pour point layer for all watersheds and sub watersheds within Wyoming, and 3) conduct an assessment of the vertical alignment differences between the pour point layer and the confluences of NHD and the WBD outlets. The results of the assessment will be utilized to assess the extent of need to edit the NHD and WBD for improved vertical alignment.

Outcomes with completion dates: September 1, 2015

Keywords: National Hydrography Dataset, Watershed Boundary Dataset, Wyoming, partnerships, USGS, University of Wyoming