

2017

ACTIVE AND RECENTLY COMPLETED
Research grants & projects at the Survey

Sponsor, project name, principal investigator(s)	Amount	Duration
U.S. Geological Survey		
Data Preservation: Indexing and inventorying the Lake Superior collection (year 4) <i>Carol McCartney</i>	\$166,072	4 years
Data Preservation: Lehmann mineral exploration documents <i>Carol McCartney</i>	\$40,890	1 year
Great Lakes Geologic Mapping Coalition: Glacial mapping of western Waushara County (year 2) <i>J. Elmo Rawling III</i>	\$104,857	2 years
National Ground-Water Monitoring Network: Improvements to the Wisconsin Groundwater-Level Monitoring Network <i>Mike Parsen, Pete Chase, Greg Guenther, Jake Krause</i>	\$83,728	1 year
STATEMAP: Bedrock geology of Dodge County (year 3) <i>Esther Stewart</i>	\$180,807 <i>(to date)</i>	4 years
STATEMAP: Bedrock geology of Trempealeau County (year 2) <i>Jay Zambito</i>	\$103,573 <i>(to date)</i>	2 years
STATEMAP: Quaternary geology of Driftless Area (year 6) <i>Eric Carson</i>	\$308,410 <i>(to date)</i>	8 years
U.S. Forest Service		
Chequamegon-Nicolet National Forest groundwater study <i>Ken Bradbury (with USGS partnership)</i>	\$399,602	6 years
Groundwater interactions with fractured bedrock in a deep monitoring well <i>Anna Fehling, David Hart</i>	\$14,911	1 year
Groundwater Coordinating Council		
Geologic sources of radium to municipal wells in Wisconsin <i>Madeline Gotkowitz</i>	\$74,973	2 years
Mapping the base of the Cambrian aquifer through geophysical modeling of Precambrian topography, southern Wisconsin <i>Esther Stewart, Madeline Gotkowitz</i>	\$30,747	1 year
Multi-instrument stream surveys with continuous data for better understanding of groundwater/surface-water interactions in Wisconsin <i>David Hart (with Beloit College, UW-Madison partnership)</i>	\$93,425	2 years
Wisconsin Department of Natural Resources		
Columbia County groundwater model calibration and archive <i>Madeline Gotkowitz (with USGS partnership)</i>	\$15,000	1 year
Little Plover River groundwater model <i>Ken Bradbury (with USGS partnership)</i>	\$230,000	2 years

continued

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Wisconsin Department of Natural Resources (cont.)		
Wisconsin Groundwater-Level Monitoring Network: Ongoing operation, maintenance, and management <i>Mike Parsen, Pete Chase (with USGS partnership)</i>	\$240,000	3 years
Wellhead protection and nitrate transport <i>Madeline Gotkowitz</i>	\$172,135	2 years
Wisconsin springs inventory <i>Ken Bradbury, David Hart (with Beloit College partnership)</i>	\$314,605	3 years
Wisconsin Local Government (town, county projects)		
Bayfield County: Groundwater atlas <i>Madeline Gotkowitz</i>	\$82,309	2 years
Chippewa County: Evaluating the hydrologic impacts of industrial sand mines and irrigated agriculture <i>Mike Parsen, Madeline Gotkowitz (with USGS partnership)</i>	\$138,223	5 years
Kewaunee County, Town of Lincoln: Groundwater study <i>Mike Parsen, Steve Mael, Carolyn Streiff</i>	\$42,200	2 years
Trempealeau County: Assessment of natural resources near the Town of Lincoln <i>Mike Parsen, Jay Zambito</i>	\$15,000	1 year
Other		
National Park Service: Pleistocene mapping of the St. Croix National Scenic Riverway <i>Eric Carson, J. Elmo Rawling III</i>	\$150,000	2 years
National Science Foundation: Channeling insights in transport through fractured rock by observation, modeling, and upscaling <i>Madeline Gotkowitz, Pete Chase (subaward with Mike Cardiff, UW–Madison)</i>	\$36,851	3 years
The Nature Conservancy: Simulating cumulative impacts of land use and groundwater pumping to wetlands and other aquatic resources in the Mukwonago River Watershed <i>David Hart (with USGS partnership)</i>	\$150,000	1 year
The Nature Conservancy: Water quality indicators of human impacts to the wetlands of Door County, Wisconsin <i>David Hart (with UW–Oshkosh partnership)</i>	\$69,997	1 year
NOAA Wisconsin Sea Grant: A comprehensive analysis of sediment delivery to Lake Michigan from coastal bluffs in southeastern Wisconsin <i>J. Elmo Rawling III (with Luke Zoet, UW–Madison)</i>	\$238,000	2 years
Center for Academic Excellence / Office of State Employment Relations: Summer affirmative action internship program <i>Carol McCartney</i>	\$12,150 (to date)	4 years

WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY

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