

Table 1. Summary of water projects described in this report.

Summary of Water Projects Described in this Report									
Organization	Contact	Email	Project Title	Project Period	Focus	Domain	Project Scope	Congressional District	Page of Project Summary in this Report
					Q = Water Quality A = Water Availability H = Water Hazard	G = Groundwater S = Streams P = Precipitation O = Other	L = Local R = Regional or Multi-County S = Statewide N = Nationwide	1-9, All	
Bail State University – Department of Natural Resources	Bangshuai Han	bhan@bsu.edu	Water Quality of Prairie Creek Reservoir	2018 – Present	Q	O	L	6	9
Center for Earth and Environmental Science at Indiana University – Purdue University (IUPUI)	Pierre-Andre Jacinthe	piacinh@iupui.edu	Starkey Farms Edge of Field Sampling Project	2006 – Present	Q	S	L	4	9
Ecosystems Connections Institute, LLC in collaboration with Manchester University	Jerry Sweeten Herb Manifold	jesweeten@ecosystemsconnections.com jesweeten@manchester.edu hfrmanifol@manchester.edu	Stream Response to Holistic Restoration Strategies Through Innovative Conservation Partnerships	2009 – Undetermined	Q, H	S, O	R	2	6
Grace College – Lilly Center for Lakes and Streams	Adrienne Funderburg	lakes@grace.edu	Water monitoring and research in Koskisko County	2007 – Present	Q	S, O	R	2, 3	10
Hamilton County Soil and Water Conservation District	Ginger Davis	ginger.davis@hamiltoncounty.in.gov	Private Well Water Monitoring and Maintenance Initiative	2017 – Present	Q, H	G	L	5	11
Hamilton County Health Department	Morgan Bennett	morgan.bennett@hamiltoncounty.in.gov	Hamilton County Health Department Water Quality Program	2004 – Present	Q	S, O	L	5	11
Hoosier Environmental Council	Indra Frank	ifrank@hecweb.org	The Impact of Coal Ash on Indiana Groundwater	2016 – Present	Q	G, O	S	All	13
Indiana Department of Environmental Management	Jim Sullivan	jsullivan@dem.in.gov	Statewide Ground Water Monitoring Network	2008 – Present	Q	G	S	All	13
	Marylou Renshaw	mrensaw@dem.in.gov	Fixed Station Monitoring		Q	S	S	All	13
	Marylou Renshaw	mrensaw@dem.in.gov	Probabilistic Monitoring		Q	S	R	1, 2, 3	14
	Marylou Renshaw	mrensaw@dem.in.gov	Reference Site Monitoring		Q	S, O	R	6, 8, 9	15
	Marylou Renshaw	mrensaw@dem.in.gov	Contaminants Monitoring Program		Q	S, O	L, R	All	15
	Marylou Renshaw	mrensaw@dem.in.gov	Blue-Green Algae Beach Sampling		Q	O	S	All	15
	Marylou Renshaw	mrensaw@dem.in.gov	Performance Measures Monitoring		Q	S	S	3	16
	Marylou Renshaw	mrensaw@dem.in.gov	Thermal Verification Projects		Q	S	S	8	17
	Marylou Renshaw	mrensaw@dem.in.gov	Watershed Characterization Monitoring Projects		Q	S, O	R	8	17
	Marylou Renshaw	mrensaw@dem.in.gov	Hoosier Riverwatch Volunteer Stream Monitoring		Q	S, O	S	All	17
Indiana Department of Natural Resources – Division of Reclamation	Peter Burch	pburch@dnr.in.gov	Monitoring of Streams Impacted by Past Coal Mining Activities in Southwestern Indiana	1994 – Present	Q	S	R	8	19
Indiana Department of Natural Resources – Division of Water	Mark Basch or Bill Davis	mbasch@dnr.in.gov w.davis@dnr.in.gov	Indiana's Water Shortage Plan	Continuous	A	G, S, P	S	All	19
	Mark Basch	w.davis@dnr.in.gov	Indiana Water Resource Updates	Continuous	A	G, S, P, O	S	All	19
	Mark Basch	mbasch@dnr.in.gov	Great Lakes-St. Lawrence River Basin Resources Compact	Continuous	Q, A	H, G, S, O	R	1, 2, 3	19
	Bill Davis	w.davis@dnr.in.gov	Voluntary Monitoring Program	Continuous	A	G	S, N	All	20
	Bill Davis	w.davis@dnr.in.gov	Potentiometric Surface Mapping	Continuous	A	G	S	All	20
	Mark Basch	mbasch@dnr.in.gov	Emergency Regulation of Groundwater Rights and of Surface Water Rights	Continuous	Q, A	G, S, O	S	All	21
Indiana Department of Natural Resources – Division of Water	Mark Basch	mbasch@dnr.in.gov	Water Use Reporting	Continuous	A	G, S, O	S	All	21
	Mark Basch	mbasch@dnr.in.gov	Significant Water Withdrawal Registration	Continuous	A	G, S, O	S	All	21
	Mark Basch	mbasch@dnr.in.gov	Water Well Driller and Pump Installer Licensing, Continuing Education, Water Well Record Submittal, Well and Pump Installation Standards	Continuous	A	G	S	All	21
Indiana Geographic Information Council	Mike Martin	mmartin@dnr.in.gov	The IGIC Waters Workgroup	2007 – Present	A, H	S, O	S	All	22

Table 1. Summary of water projects described in this report.

Summary of Water Projects Described in this Report									
Organization	Contact	Email	Project Title	Project Period	Focus	Domain	Project Scope	Congressional District	Page of Project Summary in this Report
					G = Water Quality A = Water Availability H = Water Hazard	G = Groundwater S = Streams P = Precipitation O = Other	L = Local R = Regional or Multi-County S = Statewide N = Nationwide	1-9, All	
Indiana Geological and Water Survey	Shawn Naylor	snaylor@indiana.edu	Bedrock topography (BRT) of Indiana and the Contiguently Glaciated U.S.	2010 – Present	A	O	S	All	23
	Shawn Naylor	snaylor@indiana.edu	The National Groundwater Monitoring Network: Contributions from IGWS	2017 – Present	A	G	S	All	23
	Bob Autoio	rbautoio@indiana.edu	Unconsolidated Sediment Database Description Tool	2018 – Present	A	O	S	All	23
	Bob Autoio	rbautoio@indiana.edu	Long-term monitoring of an urban/forest interface	2004 – Present	A	S, G	L	9	23
	Tracy Branam	tbranam@indiana.edu	Groundwater geochemistry of Indiana aquifers	1986 – Present	Q	G	S	All	24
	Kevin Elett	kmellett@indiana.edu	Integrating Hydrogeological Studies with U.S. Geological Survey-Funded Mapping Projects	2018 – Present	A	G	S	All	24
	Lee Florea	lflorea@indiana.edu	Indiana Karst Observatory	2018 – Present	A, Q	G	R	8, 9	24
	Lee Florea	lflorea@indiana.edu	Indiana Dye Trace Database	2018 – Present	A, Q	G	R	All	24
	Adam Kuban	akuban@bsu.edu	Delineating the Harrison-Crawford Karst Aquifer	2018 – Present	A, H	G	R	9	25
	Shawn Naylor	snaylor@indiana.edu	Water Quality Indiana The Indiana Water Balance Network	2018 – Present 2011 – Present	A, Q A	S G, P, O	L S	R All	25 25
Shawn Naylor	snaylor@indiana.edu	Evaluating Tillage Practices on Near-Surface Groundwater Recharge: School Branch Watershed, Hendricks County, Indiana	2016 – Present	A	G	L	4	26	
Indiana State Department of Agriculture	Julie Harrold	jharrold@isda.in.gov	Highlighting Indiana's Commitment to Enhance Water Quality through the use of GIS Story Maps of the Major River and Lake Basins in Indiana	2017 – Present	Q	S, O	S	All	26
Indiana State Department of Health	Mike Sutton	msutton@isdh.in.gov	Monitoring of Environmental Public Health Division Spatial analysis of significant water withdrawal facilities in Indiana	2015 – Present	Q, H	G, S	S	All	27
Indiana University – Department of Geography	Sally Letsinger	sletsing@indiana.edu	Geological investigations to understand the distribution of arsenic in groundwater	2015 – Present	Q	G	S	All	27
	Sally Letsinger	sletsing@indiana.edu	Indiana School Lead Sampling Program	2017 – Present	Q	S, G	S	All	5, 28
	Sally Letsinger	sletsing@indiana.edu	An Assessment of the Persistence of Chloride from Source Water to Tap and its Implications for Potential Corrosion of Metal Pipes: A Pilot Study	2017 – 2018	Q	S, G	S	All	28
	Erin Argylan	eargylan@iun.edu	Great Lakes Innovative Stewardship Through Education Network (GLISTEN)		Q	S	R	1	28
Marion County Public Health Department	Gretchen Quirk	gquirk@marionhealth.org	Marion County Public Health Department Monitoring	1995 – Undetermined	Q	G, S	L	7	29
Mundell & Associates, Inc.	Paul Seymour	paul.sgc44@gmail.com	Groundwater Monitoring for Lawrenceburg Conservancy District	2018 – Present	A	G	L	6	29
National Oceanic and Atmospheric Administration / National Integrated Drought Information System	Molly Woloszyn	molly.woloszyn@noaa.gov	Midwest Drought Early Warning	2018 – Present	A	G, S, P, O	S	All	29
The Nature Conservancy	Brad Smith	bsmith@trnc.org	Promotion of NRCS Easements Through a WREP Agreement Focused on the Lower White and Lower Wabash River Floodplain	2017 – 2022	Q	G, S	R	8	30
Purdue University – Department of Agricultural and Biological Engineering	Margaret Gitau	mgitau@purdue.edu	Land Use, Land Management, and Climate Trends and Impacts on Hydrology and Water Quality		Q	G, S	L	All	30
	Keith Cherkauer	cherkaue@purdue.edu	Statewide Hydrologic Modeling Efforts		A	S, O	S	All	31

Table 1. Summary of water projects described in this report.

Summary of Water Projects Described in this Report									
Organization	Contact	Email	Project Title	Project Period	Focus	Domain	Project Scope	Congressional District	Page of Project Summary in this Report
					G = Water Quality A = Water Availability H = Water Hazard	G = Groundwater S = Streams P = Precipitation O = Other	L = Local R = Regional or Multi-County S = Statewide N = Nationwide	1-9, All	
Purdue University – Department of Agronomy	Sanoar Rahman	rahmani17@purdue.edu	Naturalized Streamflow for the Wabash River	2014 – Present	A, H	S	R	2, 3, 4, 5	31
University of Notre Dame – Department of Biological Sciences	Laura Bowling	bowling@purdue.edu	Evaluation of Best Management Practices (BMPs) for Water Quality in Elliot Ditch, Indiana		Q	S	L	4	31
	Jennifer Tank	jtank@nd.edu	Preventing Nutrient Loss From Indiana Farms With Watershed-Scale Pairing of Cover Crops and the Two Stage Ditch	2015 – 2019	Q	G, S	R	4, 2	32
University Of Southern Indiana – Department of Geology	Paul K. Doss	pdoss@usi.edu	Groundwater Monitoring Lab at USI	2002 – Present	Q, A	G, P	L, R	8	32
U.S. Army Corps of Engineers	Jade L. Young	Jade.L.Young@usace.army.mil	U.S. Army Corps of Engineers 2017 Water Quality Sampling	2017	Q	S, O	S	2-9	33
U.S. Department of Agriculture – Agricultural Research Service	Dennis Flanagan	Dennis.Flanagan@ars.usda.gov	USDA-ARS National Soil Erosion Research Laboratory	1954 – Present	Q	S, P, O	N	All	33
	Jeff Woods	jwoods@usgs.gov	USGS Streamgages in Indiana		A, H	S	S	All	34
	Randy Bavness	rbavness@usgs.gov	USGS Groundwater Network in Indiana		A	G	S	All	34
	Travis Cole	tcole@usgs.gov	Indiana Periodic Groundwater Networks	1970's – Present	Q, A, H	G	L, R	1, 2, 5	34
	Tim Lathrop	trilathro@usgs.gov	USGS Super Gauges Monitor Continuous Water Quality at Streamflow Gauges	2010 – Present	Q	S	S	All	35
	Gary Martin	grmartin@usgs.gov	Estimated Water Use in the United States	1950 – Present	A	G, S	N	All	35
	Travis Cole	tcole@usgs.gov	Evaluation of Restoration Efforts at Urban Beaches on Southern and Western Lake Michigan Networks	2015 – Present	Q, H	G, S, P, O	R	1	36
	Megan Shoda	mshoda@usgs.gov	National Assessment of Pesticides in Streams, Rivers, and Groundwater	1992 – Present	Q	S	N	All	36
	Jeff Frey	jwfrey@usgs.gov	National Water Quality Network for Rivers and Streams	1991 – Present	Q	S, O	N	All	37
	David Lampe	dclampe@usgs.gov	Monitoring and Quantifying the Impacts of Green Infrastructure on Storm Water Flows in Urban Environments	2016 – 2021	A, Q	G, S, O	L	1	37
Edward Dobrowolski	edobrowo@usgs.gov	Edge of Field Monitoring in Black Creek Watershed in Northeastern, Indiana	2015 – Present	Q	S, O	R	3	38	
Edward Dobrowolski	edobrowo@usgs.gov	Hydraulic and Water Quality Evaluations of Invasive Carp	2013 – Present	O	O	N	All	38	
Edward Dobrowolski	edobrowo@usgs.gov	Monitoring Water Quality in the St. Mary's Watershed	2017 – Present	Q	S	R	3	38	
Kayla Christian	kmchristian@usgs.gov	Contaminants of Environmental Concern	2010 – 2018	Q	S	R	1	39	
Leslie Arhoad	larhoad@usgs.gov	Comparison of Water Quality Characteristics Between a Natural and a Managed Wetland	1997 – Present	Q	G, S	L	1	39	
Leslie Arhoad	larhoad@usgs.gov	New approach to groundwater model construction	2007 – Present	A	G	N	2	40	
Moon Kim	mkim@usgs.gov	USGS Flood Inundation Mapping Program of Indiana		H	S	S	All	40	
Laurie Eberhardt	laurie.eberhardt@valpo.edu	Biomonitoring of Headwater Streams in Northwest Indiana, Salt Creek Watershed		Q	S	L	1	40	
Laurie Eberhardt	laurie.eberhardt@valpo.edu	Biomonitoring of Storm Water Receiving Waters for MS4 Compliance Requirements in Valparaiso, Indiana	2004 – Present	Q	S	L	1	40	
Valparaiso University – Department of Chemistry	Julie Peller	julie.peller@valpo.edu	Integrating microplastics pollution into traditional water quality monitoring protocol in the Salt Creek Watershed in Porter County, Indiana	2015 – Present	Q	S	L, R	1	41