

Appendix 8. Paw Paw River Watershed Related Studies

Title	Year of Pub.	Author	Agency Sponsor	Report ID/#
State of Michigan 1955 report on water resource conditions and uses in the Paw Paw River basin	1955	Michigan Water Resources Commission	MDEQ	MI/DEQ/SWQ-96/100
Bottom fauna survey, Paw Paw River, Watervliet to Benton Harbor, Berrien County, Michigan, July 10-11, 1958	1958	Fetterolf, C.M.	MDEQ	Report # 000550
Self purification study, Paw Paw River, Watervliet to Benton Harbor	1960		MDEQ	Report # 025430
Water resource conditions and uses in the Paw Paw River basin (revised 1964)	1964		MDEQ	Report # 025435
Water Resource Conditions and Uses in the Paw Paw River Basin	1964	Michigan Water Resources Commission		
Comments on Glaser, Crandall Company's proposed use of the East Branch Paw Paw River for waste disposal	1966	Fetterolf, C.M.	MDEQ	Report # 022571
Physical Characteristics of the Paw Paw Basin	1969		MDEQ	MI/DEQ/SWQ-99/026
Biological and Sediment Oil Survey of Ox Creek, Benton Harbor, MI	1976		MDEQ	Report # 002910
Water Quality at Selected Stations on Streams in the Kalamazoo, Paw Paw, Black and Macatawa River Basins in Southwestern Michigan	1976	Sylvester, S.	MDEQ	Report # 022850
A Water and Land Resource Plan for the Kalamazoo-Black-Macatawa-Paw Paw Rivers Basin	1977		USDA	
Report of toxicity evaluations conducted with well water from International Research and Development Corporation, VanBuren County, Mattawan, MI	1978	Bohan, J.E.	MDEQ	MI/DNR/SWQ-91/167
Report of a 48-hour acute toxicity screening test conducted on effluent, Duwel Metal Products, all outfall No. 800023, VanBuren County, Hartford, MI	1979	Lee, L	MDEQ	MI/DNR/SWQ-91/258
Report of a toxicity screening test conducted on wastewater of International Research and Development Corporation, Vanburen County, Mattawan, MI	1979	Bohan, J.E.	MDEQ	MI/DNR/SWQ-91/168
Report of toxicity evaluations conducted on process wastewater of Auto Specialties Company, Riverside Castings Division, Berrien County, Benton Harbor, MI	1979	Bohan, J.E.	MDEQ	MI/DNR/SWQ-92/095

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Reports of a toxicity evaluation conducted on wastewaters discharged by Auto Specialties Manufacturing Company, St. Joseph, MI	1979	White, B.	MDEQ	MI/DNR/SWQ-92/096
Sediment and Water Survey to Determine influences by Michigan Standard Alloy - Aluminum Division's (Benton Harbor) Operations on the Paw Paw River	1979	Wuycheck, J.	MDEQ	Report # 065130
Stream Assessment of the Paw Paw River in the Vicinity of Automotive Specialties and Whirlpool Corporation	1979	Creal, W.	MDEQ	Report # 003490
Biological Assessment of Pine Creek, Vicinity of Hartford, Van Buren County	1980	Creal, W.	MDEQ	Report # 003710
Report of a toxicity evaluation conducted at the Duwel Products, Inc., outfall 800155 (000), VanBuren County, Hartford, MI	1980	Lee, L	MDEQ	MI/DNR/SWQ-91/261
Report of an invertebrate toxicity screening test conducted with effluent from International Research and Development Corporation, all outfalls No. 800030, Van Buren County, Mattawan, MI	1980	Swanson, J.	MDEQ	MI/DNR/SWQ-91/169
Chemical and biological Investigations of the East & West Branches of the Paw Paw River & Maple Ackley Lakes, Vicinity of Paw Paw, Van Buren County	1982	Creal, W.	MDEQ	Report # 004070
Macroinvertebrate Survey of the Paw Paw River, Vicinity of Watervliet Paper Company	1982	Creal, W.	MDEQ	Report # 004060
Report of an on-site toxicity evaluation at Watervliet Paper Company, facility No. 110091, NPDES permit No. MI0000817, Berrien County, Watervliet, MI, November 1981	1982	White, B.	MDEQ	MI/DNR/SWQ-92/180
Report of an on-site toxicity evaluation at Watervliet Paper Company, facility No. 110091, NPDES Permit No. MI0000817, Berrien County, Watervliet, MI, June-July 1982	1982	White, B.	MDEQ	MI/DNR/SWQ-92/181
Toxicity evaluation of effluent discharged by Auto Specialties Corporation, Hartford, MI	1984	Hull, C.	MDEQ	MI/DNR/SWQ-91/280
Hydrology and Land Use in Van Buren County, MI	1984	Cummings, T.R.; Twenter, F.R.; Holtschlag, D.J.	USGS, Van Buren County, MDNR, MDA	
Michigan Tributaries of the St. Joseph River Basin Report	1985		USDA, Soil Cons. Services	

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Acute toxicity assessment of Duwell Products, Inc., dechlorinated effluent, Hartford, MI	1987	Hering, C.M.	MDEQ	MI/DNR/SWQ-91/260
Site Visit at Lawton Drain, Van Buren County	1987		MDEQ	Report # 025660
Southwestern Michigan Commission Water Quality Sampling of the St. Joseph River and Its Tributaries	1988	Fishbeck, Thompson, Carr & Huber, Inc.		
Aquatic toxicity assessment of Watervliet Paper Company 001 effluent, Watervliet, Michigan	1988	Dimond, W.F.	MDEQ	MI/DNR/SWQ-88/068
Biological Survey of Lawton Drain in the Vicinity of Welch Foods, Inc., Van Buren County, Michigan	1989	Hull, C.	MDEQ	MI/DNR/SWQ-89/038
Water Quality Investigation for St. Joseph River System	1989	Fishbeck, Thompson, Carr & Huber, Inc.		
Acute toxicity assessment of Paw Paw Lake area WWTP 001 effluent, Coloma, Michigan	1990	Dimond, W.F.	MDEQ	MI/DNR/SWQ-90/139
Acute toxicity assessment of Paw Paw WWTP 001 effluent, Paw Paw, Michigan	1990	Dimond, W.F.	MDEQ	MI/DNR/SWQ-90/138
Acute toxicity assessment of Hoffman Die Cast Corp. outfall 002 effluent, Benton Harbor, MI	1991	Dimond, W.F.	MDEQ	MI/DNR/SWQ-91/225
Fisheries Survey of the Paw Paw River Basin	1991	Dexter, J.L.	MDNR– Fisheries Division	Report # 91-2
MDNR Status of the Fishery Resource Report: East Branch Paw Paw River (and Mattawan Creek)	1991	Dexter, J.L.	MDNR– Fisheries Division	Report # 91-16
Biological Survey of Pine Creek, Van Buren County, Michigan	1992	Heaton, S.	MDEQ	MI/DNR/SWQ-92/272
MDNR Status of the Fishery Resource Report: Campbell Creek	1992	Dexter, J.L.	MDNR– Fisheries Division	Report # 92-3
Biological Survey of the Paw Paw River between Coloma and Paw Paw Roads	1992	Schaddlelee, L.	TNC	
Paw Paw River Trail – Preliminary Conceptual Plan	1993		CWAEDC	

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MDNR Status of the Fishery Resource Report: Maple Lake	1993	Dexter, J.L.	MDNR– Fisheries Division	Report # 93-5
Acute toxicity assessment of Fletcher Paper Company, Watervliet, Michigan, Outfall 001 effluent, NPDES Permit No. MI0000817	1994	Butler, D.	MDEQ	MI/DNR/SWQ-94/069
Biological survey of Blue Creek, Yellow Creek and Pipestone Creek, Berrien County, MI	1995	Heaton, S.	MDEQ	MI/DNR/SWQ-95/032
Biological Survey of Sand Creek, Berrien County, MI	1995	Heaton, S.	MDEQ	MI/DNR/SWQ-95/030
Carrying capacity analysis of Paw Paw Lake	1995		Paw Paw Lake Assoc.	
Protecting the Groundwater of Van Buren County: A Blueprint for Action	1995	Houseman, L.; Kirby, M.J.; Hughes, L.D.	Van Buren Cons. District, EPA, MDEQ	
Paw Paw Lake Chemical Monitoring Project Final Project Report	1998	Kirby, M.J.	Paw Paw Lake Assoc. & Foundation	
Biological Survey of the Paw Paw River and Selected Tributaries in Van Buren County	1999	Cooper, J.	MDEQ	MI/DEQ/SWQ-99/017
Biological Surveys of Selected Tributaries in the Paw Paw River Watershed in Van Buren County	1999	Cooper, J.	MDEQ	MI/DEQ/SWQ-99/158
St. Joseph River Assessment	1999	Wesley, J.; Duffy, J.	MDNR– Fisheries Division	
MDNR Status of the Fishery Resource Report: East Branch Paw Paw River	2000	Dexter, J.L.	MDNR– Fisheries Division	Report # 2000-4
MDNR Status of the Fishery Resource Report: Maple Lake	2000	Dexter, J.L.	MDNR– Fisheries Division	Report # 2000-10
The St. Joseph River Basin: Water-Related People, Activities, and Things that Influenced the History of the Region	2001	St. Joseph River Basin Commission		

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Paw Paw River Development Corridor	2002	The Abonmarche Group	CWAEDC	
A Biological Survey of the North and South Branches of the Paw Paw River and Selected Tributaries	2002	Rockafellow, D.	MDEQ	MI/DEQ/SWQ-02/062
A Biological Survey of the Paw Paw River and Selected Tributaries	2002	Rockafellow, D.	MDEQ	MI/DEQ/SWQ-02/063
Site ecological summary for Lower Paw Paw River	2002	Hyde, D.A.; Padkus, J.J.	MNFI	
Paw Paw River Watershed Conservation Area Plan	2002		TNC	
Final Draft Souce Water Assessment Report for the City of Benton Harbor Water Supply	2002		USGS, MDEQ	MI Source Water Assmnt Report 18
The Brach-Derby Toll Gate Project “An in-depth feasibility study”	2003	Progressive AE	Paw Paw Lake Foundation	
NPL Fact sheets for Michigan: Burrows Sanitation	2003		EPA – Region 5	EPA ID# MID980410617
St. Joseph River Watershed Management Plan	2005	DeGraves, A.	Friends of the St. Joe River Assoc.	
Mill Creek Water Survey	2005	Wesley, J.; Markham, S.	MDNR– Fisheries Division	
St. Joseph River Sediment Transport Modeling Study	2005	W.F. Baird & Assoc.	U.S. Army Corps of Engineers	
A Biological and Water Chemistry Survey of Mill and Pine Creeks in the Vicinity of the Hartford Dairy Concentrated Animal Feeding Operation	2006	Walterhouse, M.	MDEQ	MI/DEQ/WB-06/035
Big Paw Paw Lake, Water Quality Studies 2004-2005	2006	Fusilier, W.E.; Fusilier, B.	Paw Paw Lake Foundation	

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Little Paw Paw Lake, Water Quality Studies 1992-2005	2006	Fusilier, W.E.; Fusilier, B.	Paw Paw Lake Foundation	
Stream Power Analysis of the Paw Paw River Watershed	2007	Applied Ecological Services	Great Lakes Protection Fund	

The following studies and reports were completed for the Paw Paw River Watershed Planning Project and can be found at www.swmpc.org/pprw_studies.asp.

Title	Year of Pub.	Author	Agency Sponsor
Ecologically Similar Subwatersheds of the Paw Paw River	2008	Kregg Smith	Michigan Department of Natural Resources
Prioritization of Floodplain Forest Areas on the Paw Paw River	2007	John Legge	The Nature Conservancy
Volunteer Inventory of the Paw Paw River Watershed	2008	Matt Meersman	Southwest Michigan Planning Commission
Assessing Cumulative Loss of Wetland Functions in the Paw Paw River Watershed Using Enhanced National Wetlands Inventory Data	2007	Chad Fizzell	Michigan Department of Environmental Quality
Agricultural Insult Areas in the Paw Paw River Watershed	2008	Matt Meersman and Craig Burns	The Nature Conservancy and Southwest Michigan Planning Commission
Modeling of Agricultural BMP Scenarios in the Paw Paw River Watershed using the Soil and Water Assessment Tool (SWAT)	2008	Kieser & Associates	Kieser & Associates
Urban Build Out and Stormwater BMP Analysis in the Paw Paw River Watershed	2008	Kieser & Associates	Kieser & Associates
Critical Areas for Preservation in the Paw Paw River Watershed	2008	Southwest Michigan Land Conservancy	Southwest Michigan Land Conservancy
PPRW Preservation Area Model	2008	Matt Meersman	Southwest Michigan Planning Commission
PPRW Agricultural Area Model	2008	Matt Meersman	Southwest Michigan Planning Commission

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PPRW Urban/Developing Model	2008	Matt Meersman	Southwest Michigan Planning Commission
Information and Education Plan for the Black and Paw Paw River Watersheds	2008	Southwest Michigan Planning Commission and Van Burn Conservation District	Southwest Michigan Planning Commission and Van Burn Conservation District
Municipal Planning and Water Quality in the Paw Paw River Watershed – Local Plan Reviews	2008	Southwest Michigan Planning Commission	Southwest Michigan Planning Commission