

DRAFT

**Table 4. Site Specific
Known and Suspected Pollutants and Sources**

Table 4A. Within Subwatersheds

Impaired Designated Use	Valley Segment Where Impairment Is Occurring	Pollutant Causing Impairment	Source of Pollutant
Agricultural Water Supply	Upper (Nottawa); Middle (Elkhart County)	pathogens	livestock in water bodies, septic systems, waterfowl, CSO (S)
Groundwater as Drinking Water (Desired)	Upper (Nottawa)	nitrates, pesticides, pathogens	agricultural erosion, septic systems, livestock in stream
Navigation	Middle (Cobus, Christiana); Upper (Hog)	fencing across waterways	riparian property rights issues
Warm Water Fishery	Lower (Dowagiac); Middle (Fawn, Barton Lake); Upper (Nottawa)	sedimentation (Nottawa), toxins (Barton, Fawn, Dowagiac), habitat modification (Dowagiac)	agriculture, erosion from drain maintenance, historic industrial uses of toxins, atmospheric deposition
Cold Water Fishery	Lower (Dowagiac, McKinzie, Juday); Middle (Prairie); Upper (Coldwater, Randall, Union Lakes)	channelization (Dowagiac), sedimentation (McKinzie, Juday), toxins (Dowagiac, Coldwater, Randall, Union), temperature (McKinzie)	urbanization, historic industrial uses of toxins, atmospheric deposition, landfills
Other Indigenous Aquatic Wildlife	Mouth (Ox, Pine, Paw Paw S. Branch/Lawton Drain*); Lower (Dowagiac, Juday); Middle (Silver*, Emma Creek Tributary, Little Elkhart, Pigeon, Mather Ditch, Wisler Ditch, Rock Run Creek, Orland Tributary, Mud Creek, Yellow, 16 IN lakes: Big Otter, Seven Sisters, Meserve, Lime, Lake of the Woods, North Twin, Royer, Fish, Messick, Hackenburg, Dallas, Witmer, James, Jimmerson, Marsh, Snow); Upper (Nottawa, Fisher, Hog)	sedimentation, loss of habitat* (also, Ox, Pigeon), ammonia (Emma), low dissolved oxygen (Mather, Mud, Orland), other inorganics (Wisler)	agriculture, erosion from drain maintenance, bank erosion, urbanization, dredging*
Partial Body Contact/ Recreation	Lower (Lake of the Woods/Dowagiac River Subwatershed, Farmers); Upper (Nottawa)	pathogens	untreated sewage, livestock, septic systems, waterfowl

Impaired Designated Use	Valley Segment Where Impairment Is Occurring	Pollutant Causing Impairment	Source of Pollutant
Full Body Contact/ Recreation	Lower (Baugo, Willow, Juday); Middle (Elkhart River/Main, Little, North & South Branches, Fawn River, Fly Creek Headwaters, Pigeon Creek, Pigeon River, Pine Creek/North & South Forks in Elkhart County, Rock Run, Solomon, Stoney, Turkey, Wisler Ditch, Yellow); Upper (Nottawa)	pathogens	CSOs, livestock, septic systems, waterfowl

***Lawton Drain/S. Branch Paw Paw River, Pine Creek (Van Buren County, south of Hartford, MI), Silver Creek removed from 2002 MI 303(d) list due to “stream dredged; no longer appropriate to list for biota. Now a highly modified stream.” These have been listed as impaired for aquatic wildlife due to dredging, even though they have been removed from the 303(d) list.**

Known and Suspected Pollutants and Sources

Table 4B. Impacting Main Stem

Impaired Designated Use	Valley Segment Where Impairment Is Occurring	Pollutant Causing Impairment	Source of Pollutant
Warm Water Fishery	Mouth, Lower	FCA (toxins), oil and grease in sediments in ship canal	boats (S) stormwater (S), atmospheric deposition (S), fuel spills (S)
Other Aquatic Indigenous Wildlife	Mouth, Lower	oil and grease in sediments in ship canal, sedimentation	boats (S), stormwater (S), fuel spills (S)
Full Body Contact/ Recreation	Mouth, Lower, Middle	pathogens	CSO, agriculture, stormwater