

• Water quality

– Recreation on bodies of water attracts tourism

- Boating
- Fishing
- Camping
- Parks



• Water quality?



• Water quality



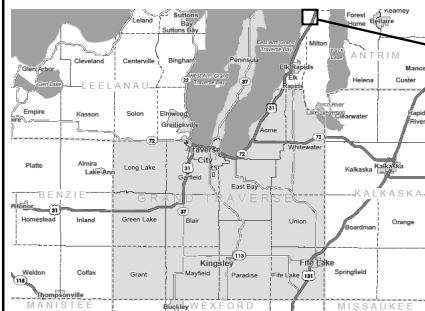
• Water quality?



• Water quality



• Water quality?



Michael Creek
study area
Grand Haven
Michigan

- Water Quality



- Recreation



- Recreation



- Recreation



- Recreation



- Recreation



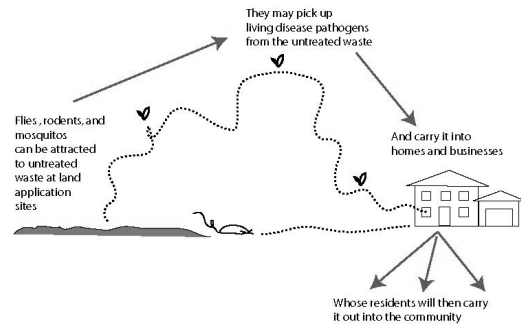
- Local government
 - Regional solutions to waste issues
 - Wastewater treatment issues

- Hauler frustrations
 - Land application limited in Winter
 - Available land application sites disappearing
 - Odor control
 - Screening
 - Soils management

• Odor and Vector Attractions



• Odor and Vector Attractions



- Wastewater issues
 - Reduce impact of grease on wastewater system
 - Regional wastewater treatment facility exceeded its capacity in 80's
 - Wastewater master plan included improvements to existing wastewater plant and plan to reduce strength of waste

Local Waste Volumes

	TOTAL GALLONS	TOTAL TO LAND	TOTAL TO WWTP	TOTAL TO GTSTF
2004	18,922,295	no data	no data	no data
2005	19,798,972	10,858,161	6,462,391	3,692,897
2006	17,466,570	7,911,174	9,455,396	5,225,108
2007	incomplete	incomplete	incomplete	5,506,212

**NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT
(EXCERPT)
Act 451 of 1994**

324.11715 Preemption; duty of governmental unit to make available public septage waste treatment facility; posting of surety not required.

Sec. 11715.

- (1) This part does not preempt an ordinance of a governmental unit that prohibits the application of septage waste to land within that governmental unit or otherwise imposes stricter requirements than this part.
- (2) If a governmental unit requires that all septage waste collected in that governmental unit be disposed of in a receiving facility or prohibits, or effectively prohibits, the application of septage waste to land within that governmental unit, the governmental unit shall make available a receiving facility that can lawfully accept all septage waste generated within that governmental unit that is not lawfully applied to land.
- (3) The owner or operator of a receiving facility may require the posting of a surety, including cash in an escrow account or a performance bond, not exceeding \$25,000.00 to dispose of septage waste in the receiving facility.

History: 1994, Act 451, Eff. Mar. 30, 1995 ;-- Am. 2004, Act 381, Imd. Eff. Oct. 12, 2004

Popular Name: Act 451

Popular Name: NREPA