

Kawkawlin River Watershed Pathogen/Nutrient Management Workgroup

**Monday, April 19, 2010
Bay County Health Department**

Subcommittee Assignments

- ✓ **Assessment of bacterial contamination (namely E. Coli) and potential causes.**
- ✓ **Investigate by coordination of data: current OSDS records, bacterial testing, land use and other data as developed by other work groups**
- ✓ **Integrate data into GIS maps, determining areas/parcels “at risk” or showing signs of failure/contribution to contamination**
- ✓ **Recommend BMP’s, develop action plans**

BCHD Current Plans Regarding Bacterial Investigations

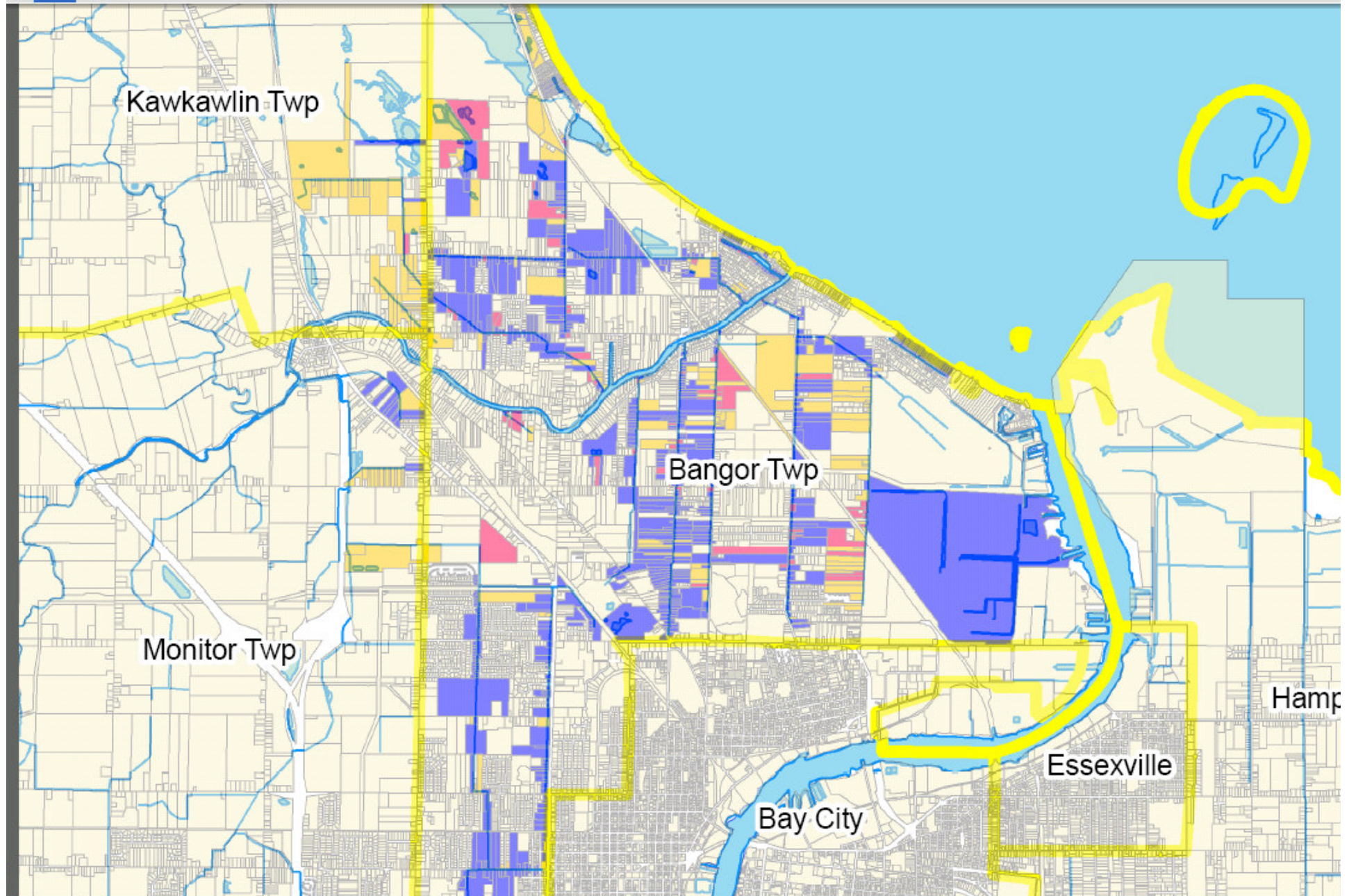
- Follow up on IDEP investigations**
- Purchase EH software, create database of septic systems located on the watershed; create GIS maps of watershed and septics by risk level**
- Survey homeowners regarding septic systems and operations.**
- Follow up on survey with inspections to systems considered to be “at-risk.”**

The Investigation, Continued

- Looked for information on **1,068 parcels** (not incl. the **790 parcels**) that are directly adjacent to the main branch of the river.
- Of those **1,068 parcels** :
- We found **191 (not incl. 342)** were not listed as being connected to municipal sewer and we have no records of any OSDS connections.
- **798 (not incl. 171)** were connected to municipal sewage
- **177 (not incl. 271)** had OSDS records associated with them.
- Median age of OSDS was 36 years or installed in 1974.

The Investigation, Continued

- **Further investigate missing data areas*:**
 - **Hidden Rd.; Old Kawkawlin Rd; Barnett Dr.; Kawkawlin River Dr.; Wheeler Rd.; Beaver Rd.**
- **Looking to investigate illicit discharges with infrared equipment on parcels adjacent to the river Fall 2009 -Spring of 2010**
- **Follow up with surveys and on-site inspections, if necessary.**



Game Changers

(For Lack of A Better Term....)

- \$80,000 to come up with a predictive model for Bay County Beaches
- Additional \$10,000 comprehensive sanitary survey of BCSRA
- Potential \$250,000 for other sanitary funds from GLRI
- Potential \$40,000 for new rapid testing equipment
- Potential \$80,000 for additional predictive modeling
- Potential \$4,000,000 for septic replacements in Bay, Arenac, Huron and Tuscola Counties

NEXT KRWMP BACTERIAL MTGS.

Monday May 10

Monday June 7

Monday July 12

Monday August 9

ALL DATES:

3:00 pm @ The Health Dept.

Questions or Comments?

