

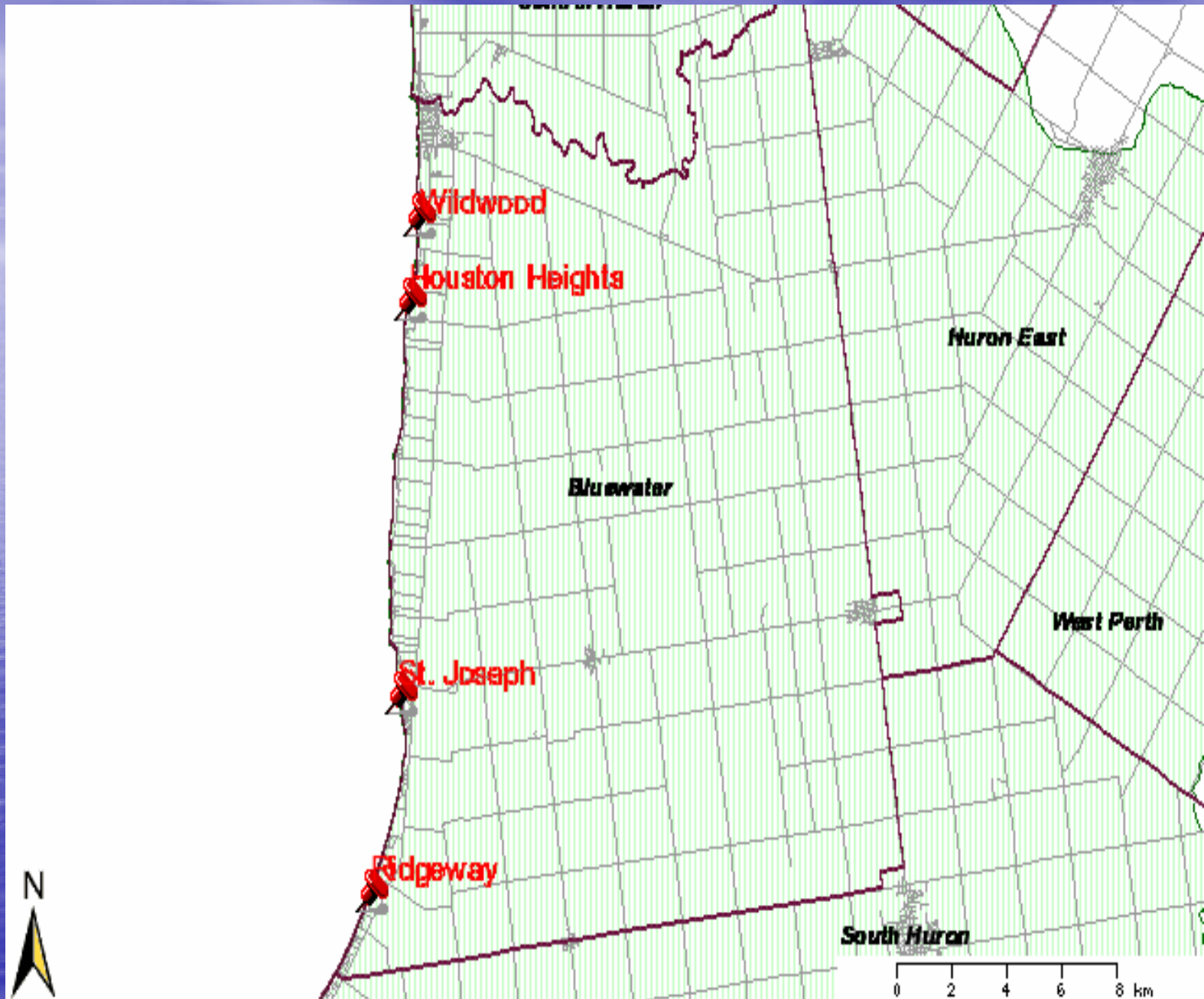
BSRA 2008 Water Quality Report to Municipality of Bluewater

- 2008 Reports
 - 1) Ravine and Lake Water Quality Monitoring
 - 2) Zurich Drain Water Quality Enhancement Project
 - 3) Watershed Planning for the Ridgeway Drain

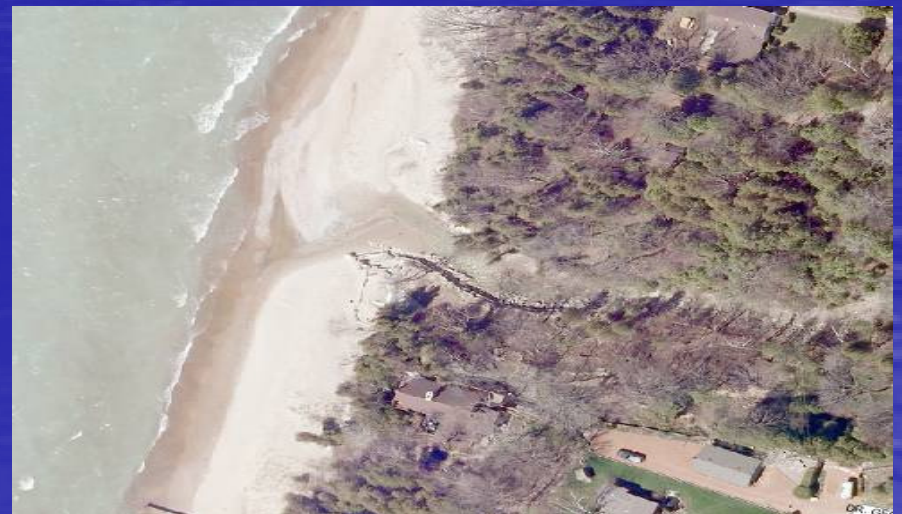
- Conclusions
- Future
- 2009 Request

2008 Water Quality Monitoring

- Conducted and report done by ABCA
- Funded by BSRA using \$8000 from Bluewater's W.Q. grant to BSRA
- Continuation of a monitoring process started in 1997



St. Joseph, Wildwood, Ridgeway Houston Heights



2008 Testing Results

Blue Flag Standard - <20% of time above PWQG

	Ravines	Lake
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Wildwood	92	15
Houston Heights	77	8
St. Joseph	100	15
Ridgeway	100	23

2008 Testing Results Continued

- Three beaches meet Blue Flag standard
- Ridgeway did not meet Blue Flag Standard
- Spikes in reading linked with rain events
- Results support belief that ravines are a major source of Lake contamination

Zurich Drain Water Quality Enhancement Project

- Monitoring: Water Column and sediment
 - at various sites in watershed
 - e coli
 - Nutrients, nitrates and phosphorus
- Site Visits:
 - Citizen Ambassadors Paul K. John V.
 - ABCA staff
- Upgrading Projects
 - 39 contacts
 - 16 stewardship visits
 - 19 projects (25 now)

Enhancement Project Continued

- Funding Sources
 - property owners
 - ABCA
 - Huron Clean Water Project
 - Eco-action Community Funding Program

Enhancement Project Continued

- Summary of Results:
 - e coli > guidelines
 - nutrients > guidelines
 - readings elevated after rain events
 - elevated readings in sediment
 - no guidelines
 - consistent with Palmateer theory
 - Benthic F grade, degraded conditions through out watershed

Ridgeway Project

- Proposed watershed planning for Ridgeway ravine
- To be discussed as part of 09 funding request

BSRA Conclusions

- Next to taxation, Water Quality remains the main issue of Lakeshore residents
- Ravines are a major source of Lake contamination
- Agricultural manure management practices and faulty septic systems seem to be the main sources of ravine and Lake contamination
- There is a human health risk with exposure to ravine and occasionally Lake waters
- There is a loss of enjoyment of natural environment
- Senior levels of Government are indifferent to the issue
- In candid comments government officials will admit BSRA's conclusions are correct.
- Issue has a very low political priority

Future BSRA Actions

- Continue testing
- Continue to publish results
- Continue working with responsible government organizations, Health Unit, ABCA, MOE

BSRA 2009 Water Quality Funding Request to Bluewater

- \$15,000
 - \$8,000 to continue testing as per 08
 - \$7,000 towards the Ridgeway Project
- Testing will be done by ABCA
- Ridgeway will be a partnership with ABCA and potentially Grand Bend Rotary