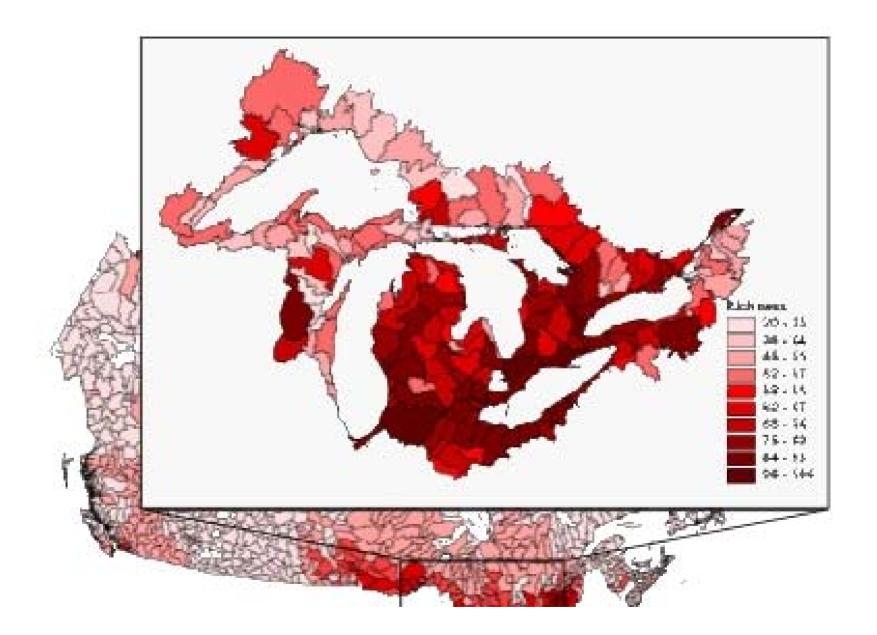
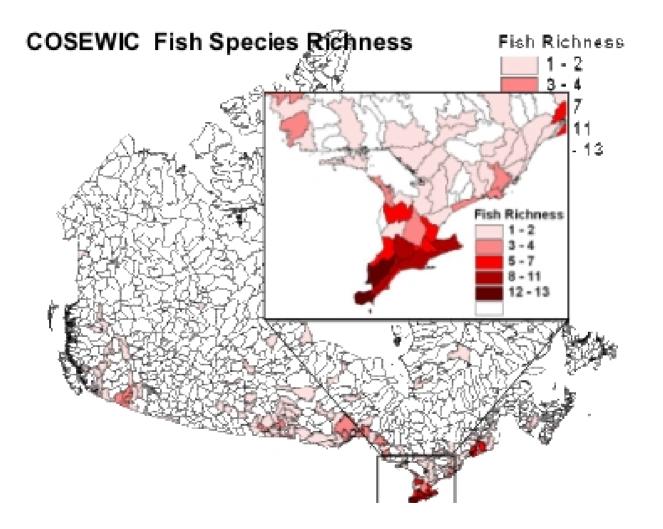
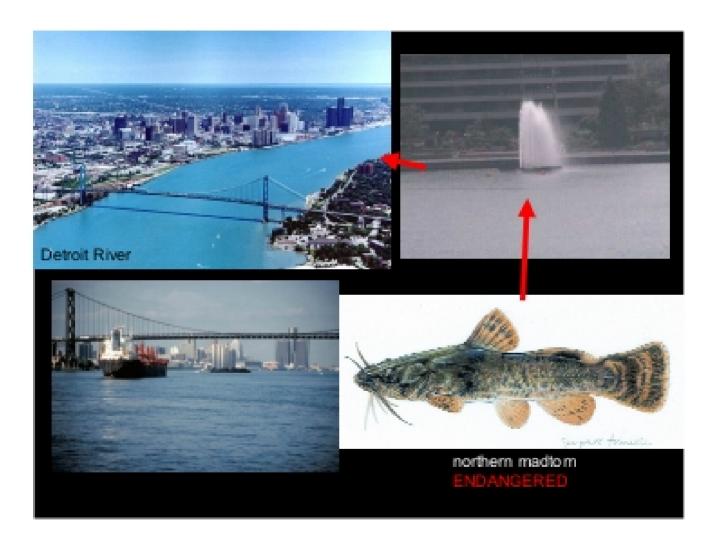
Recent DFO Activities in the Huron-Erie Corridor

Nicholas E. Mandrak Great Lakes Laboratory for Fisheries and Aquatic Sciences Fisheries and Oceans Canada Burlington, ON Canada

*images resolution has been reduced considerably to reduce file size



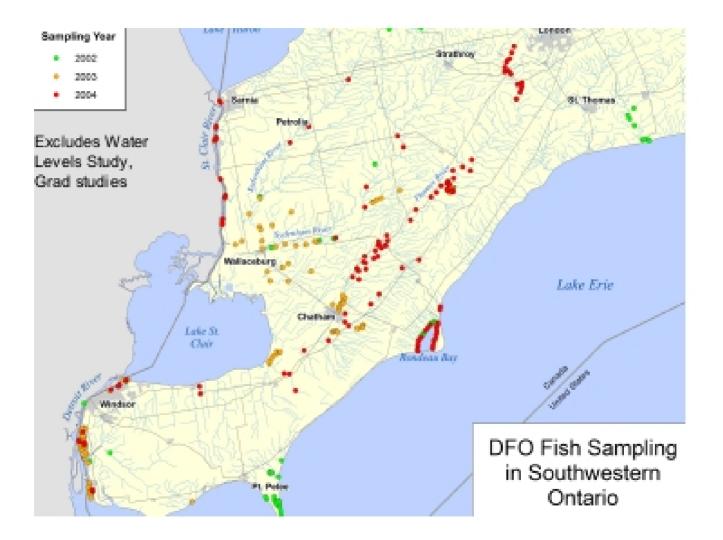




- DFO-Partner Sampling
- Graduate Student Studies
- Recovery Planning
- Other Studies

DFO-Partner Sampling

- Graduate Student Studies
- Recovery Planning
- Other Studies



- Fish sampling using electrofishing, hoopneting (fine mesh), seine netting.
- General habitat sampling depth, width, current, substrate, secchi, temperature, conductivity, riparian cover.

Detroit-St. Clair AOC

- Funded by MNR COA
- Repeat sampling of 1989-1990
- Random sampling



bigmouth buffalo, Special Concern

Lower Thames River

Funded by MNR COA, Interdepartmental Recovery Fund (IRF), DFO

Mainstem, tributaries, ESD mark-recapture



- Sydenham River, NWA
 - lower mainstem, tributaries
 - Partner CWS



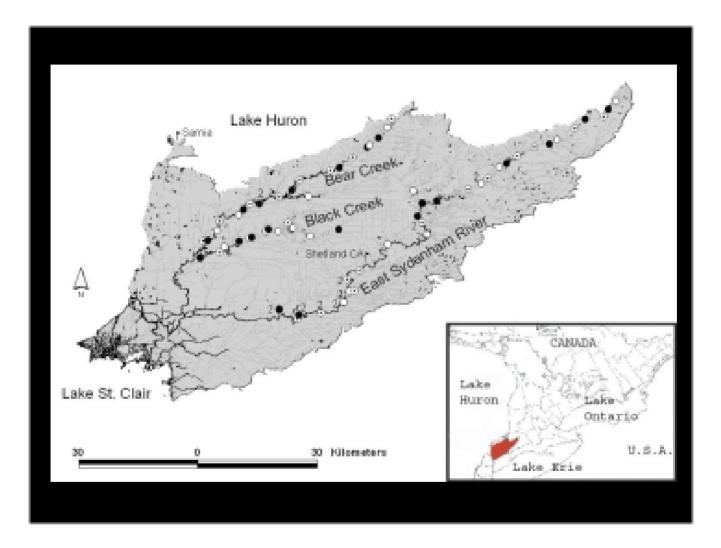
Sydenham River, NWA

- lower mainstem, tributaries
- Partner CWS



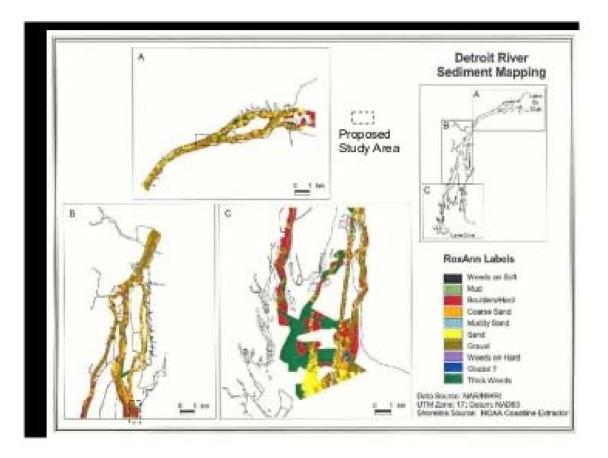
Fish SAR- Habitat Associations in Sydenham River

- Mark Poos, University of Guelph
- Sampled 75 sites in 2002/3, 25 sites in both years.
- b/p electrofishing, seining, various traps.
- Characterized habitat using Ontario Stream Assessment Protocol (OSAP).
- Funded by DFO.



Fish-Habitat Associations in the Detroit River

- Nick Lapointe, University of Windsor
- Habitat-stratified fish assemblage survey at 32 sites (2003) and 60 sites (2004).
- Boat electrofishing, seining, hoopnetting, trawling, various traps.
- Habitat: NWRI, CHS data; field data.
- Funded by DFO, Windsor.

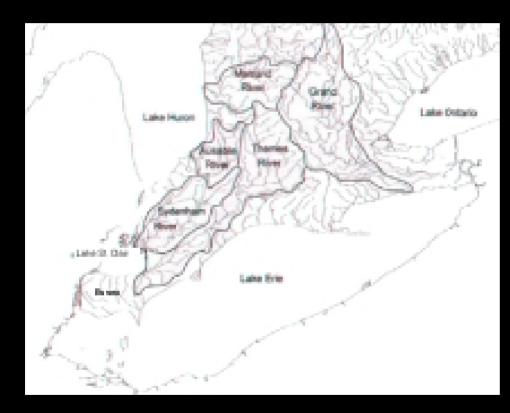


Fish Assemblages in Agricultural Drains

- Katie Stammler, University of Guelph
- Do drains act as natural systems?
- 30 pairs of drains in SW Ontario including Essex County.
- b/p electrofishing, seining.
- General habitat sampling depth, width, current, substrate, secchi, temperature, conductivity, riparian cover.

- DFO-Partner Sampling
- Graduate Student Studies
- Recovery Planning
- Other Studies

Multi-species/Ecosystem Recovery Strategies



Completed

- Ausable River
- Grand River*
- Sydenham River
 In Prep.
- Thames River
- Essex County
- Mussels
- * Fishes only

Species Recovery Strategies





Completed

- Aurora trout*
- In Prep.
- Redside dace*
- Channel darter
- Wavy-rayed Lampmussel
- Eastern sand darter
- Lake chubsucker

* MNR lead, DFO contributed partial funding

- DFO-Partner Sampling
- Graduate Student Studies
- Recovery Planning
- Other Studies

Other Studies

- Walpole Ecosystem Recovery Strategy
 - Walpole FN, EC, OMNR
- GL Atlas GLFC
- TNCC Aquatic Blueprint Project
 - Habitat classifications for streams (by segment), inland lakes, GL nearshore, wetlands (inland).
 - Cdn GL basin.
 - Classifications currently being tested by PhD student, Mark Poos, University of Toronto.