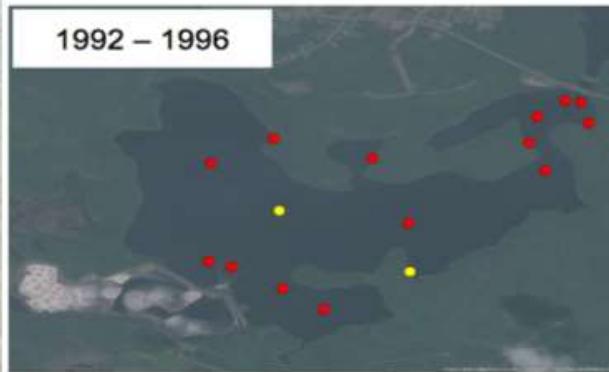


# Characterization and spatial distribution of organic contaminated sediment from historical industrial effluents to inform remediation decisions

Tony R. Walker, Emma Hoffman, Masi Alimonhammadi, James Lyons,  
Emily Davis, Craig B. Lake

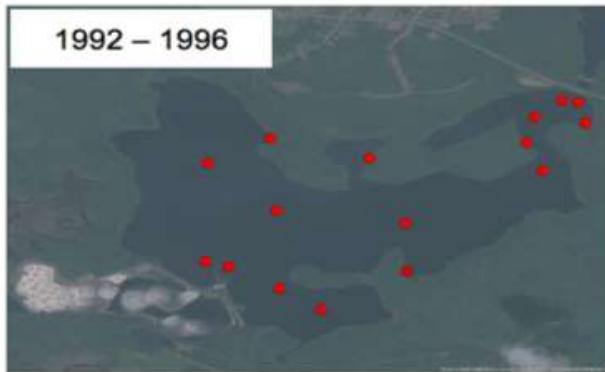
### Fish

1992 – 1996



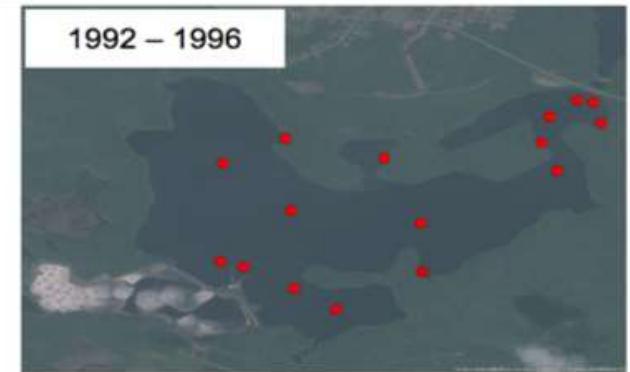
### Humans/mammals

1992 – 1996



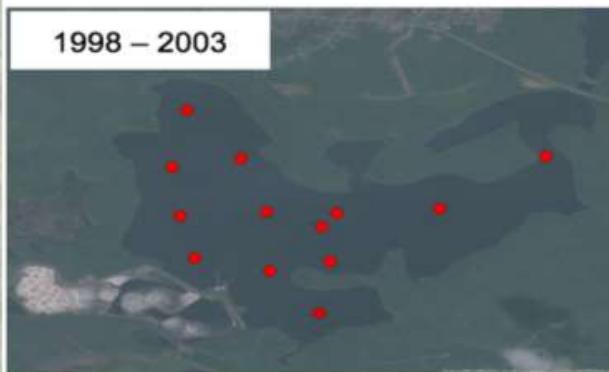
### Birds

1992 – 1996



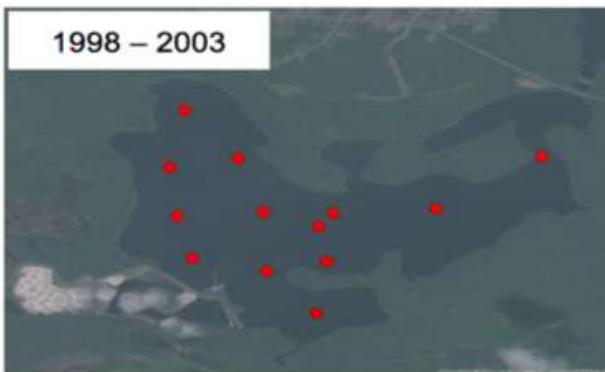
### Fish

1998 – 2003



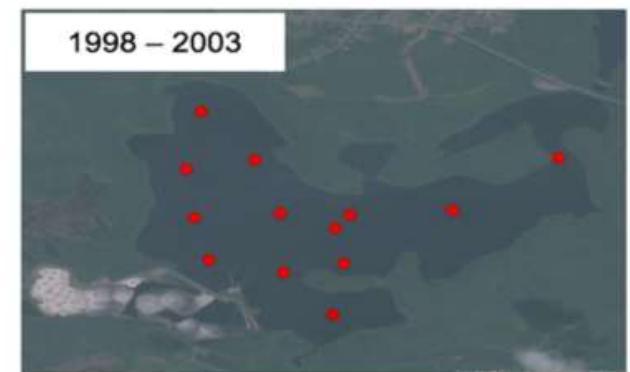
### Human/ Animals

1998 – 2003

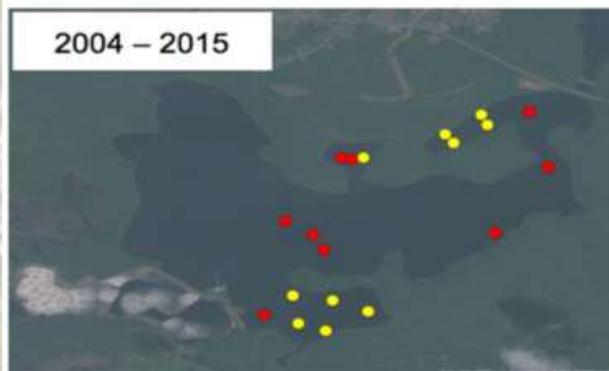


### Birds

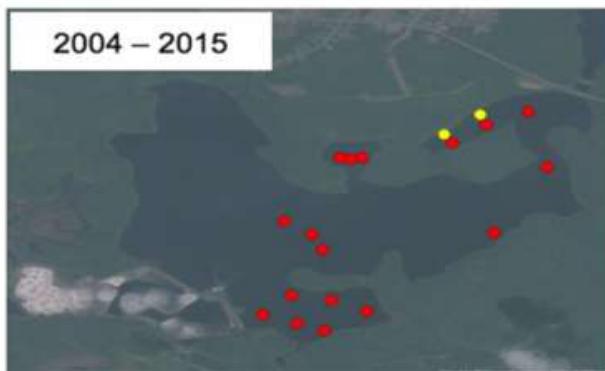
1998 – 2003



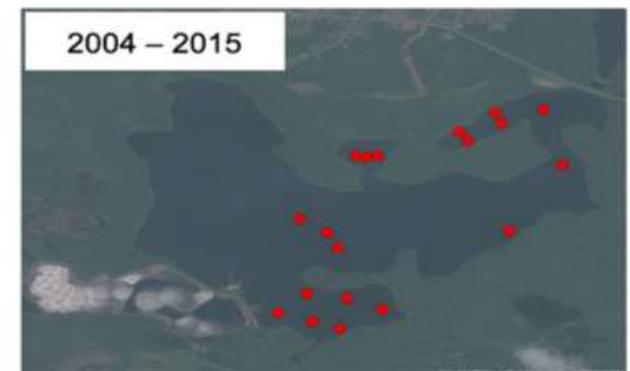
2004 – 2015



2004 – 2015



2004 – 2015



- < 0.85 mg/kg (ISQG limit)
- 0.85 – 21.50 mg/kg
- > 21.50 mg/kg (PEL limit)

- < 0.71 mg/kg (CCME limit)
- 0.71 – 4.00 mg/kg
- > 4.00 mg/kg ( $SQG_{HH}$  limit)

- < 4.75 mg/kg (CCME limit)
- > 4.75 mg/kg