

# Lake sturgeon restoration: information needs

1. status and distribution of sturgeon stocks across the GL basin
2. relationship btwn. habitat quantity & quality and its use by different populations
3. population-scale movements and dispersal patterns at ecologically relevant time scales





# Lake sturgeon metapopulation structure: migration pathways, spawning fidelity, and survival in a complex river-lake ecosystem



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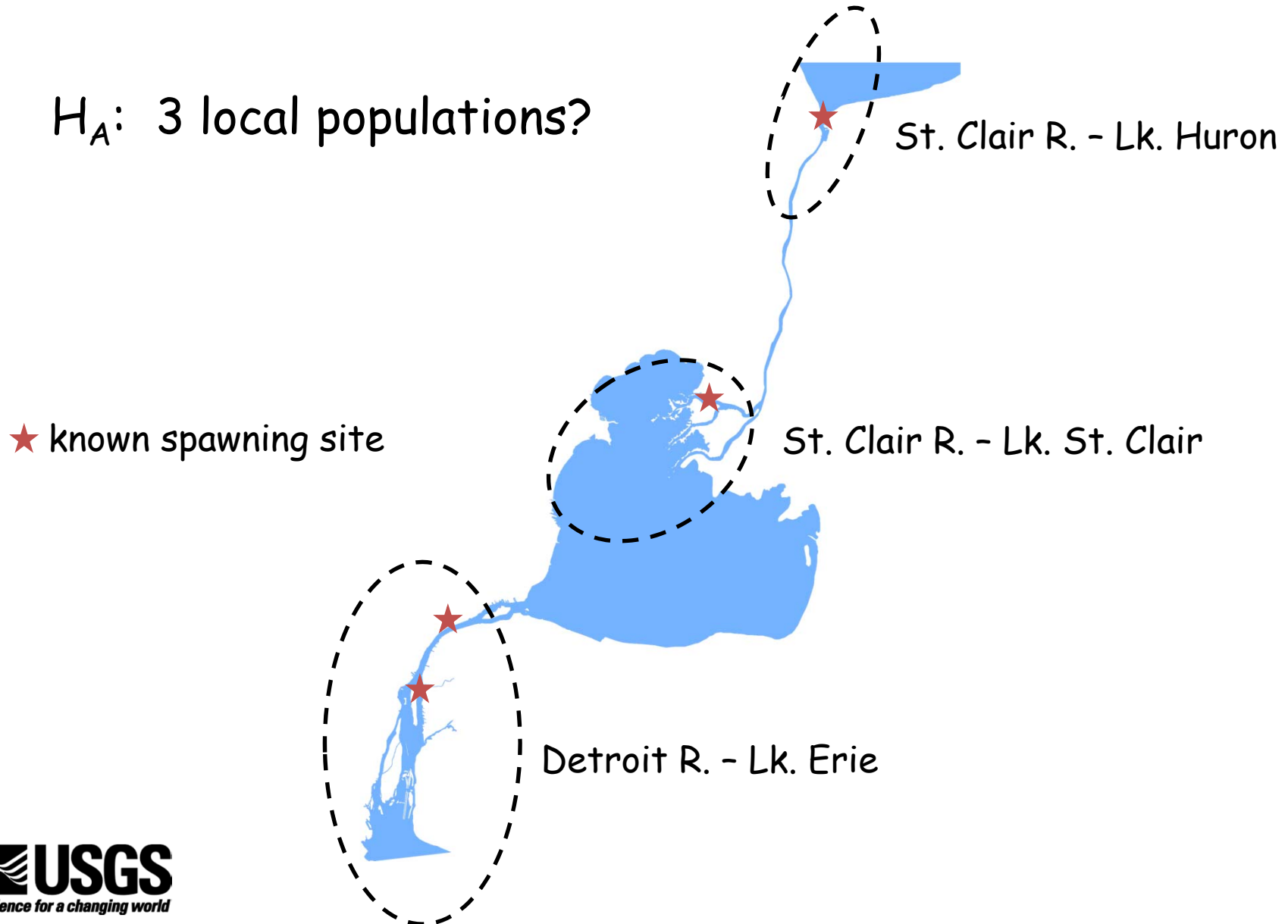
Ministry of Natural Resources



# Sturgeon population structure in the HEC

tagging and short-term telemetry studies

$H_A$ : 3 local populations?

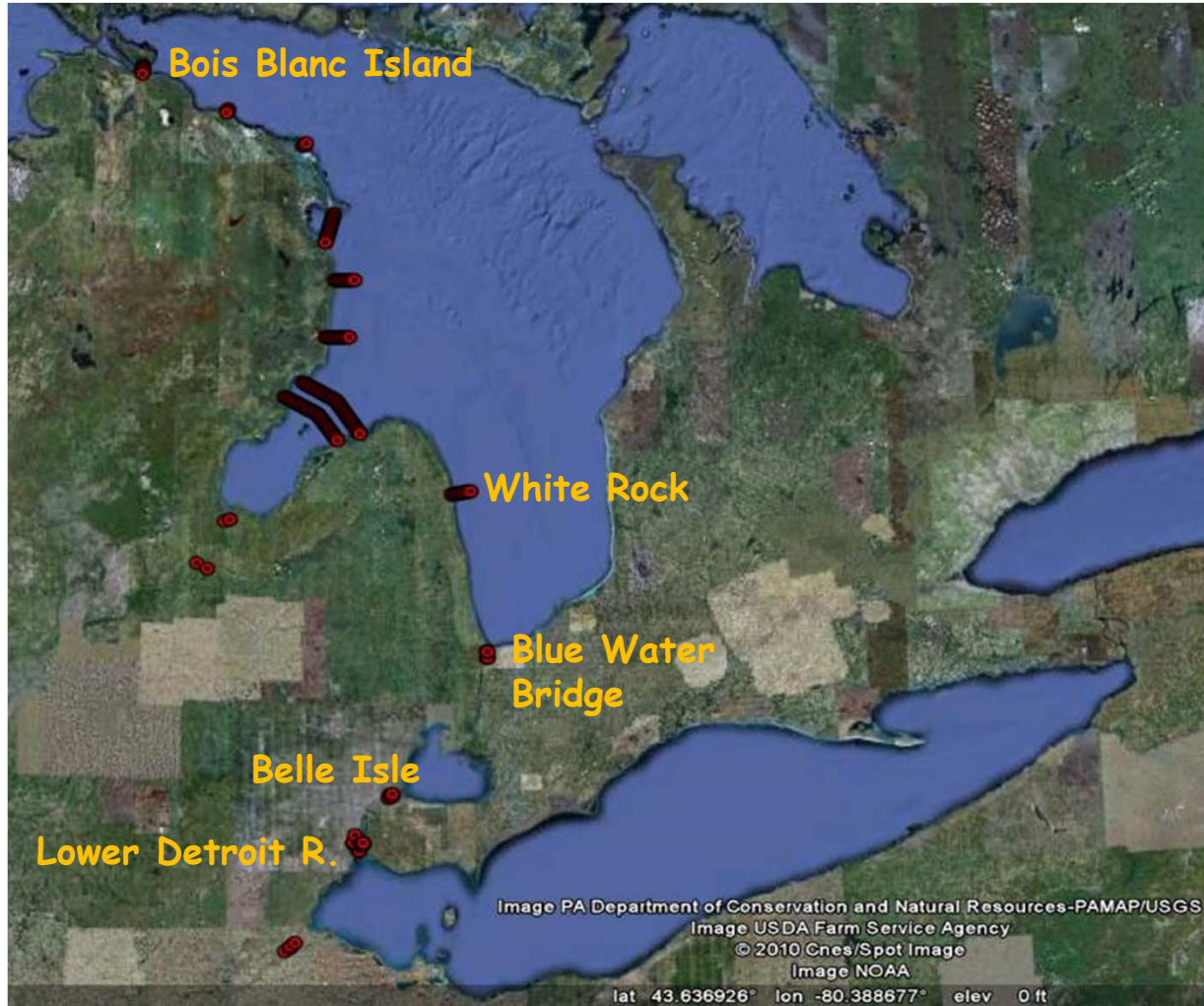


## Methods: acoustic telemetry

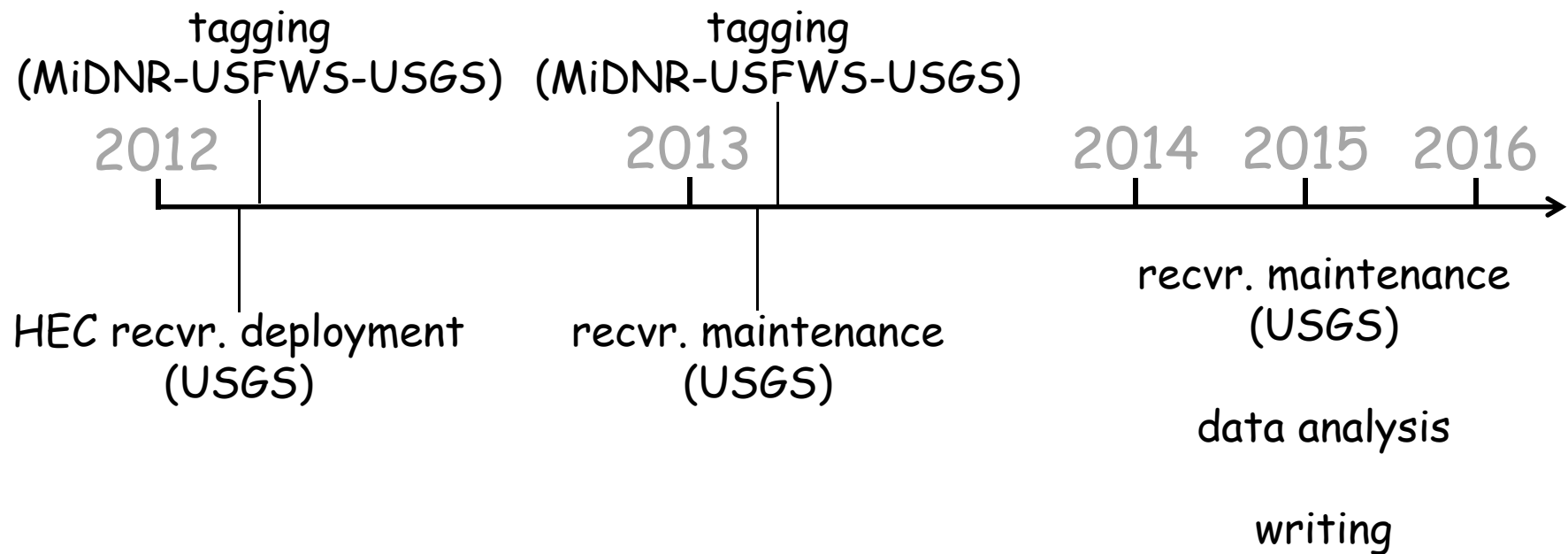
- Implant sturgeon with acoustic tags (10-year battery life)
- Track fish movements using strategically-placed receiver arrays



# Walleye project receiver array



# Work plan & time line



# Funding

- \$359k



- GLFC, GLRI (to USGS & USFWS), OMNR, MIDNR

