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Lake Sturgeon Initiative



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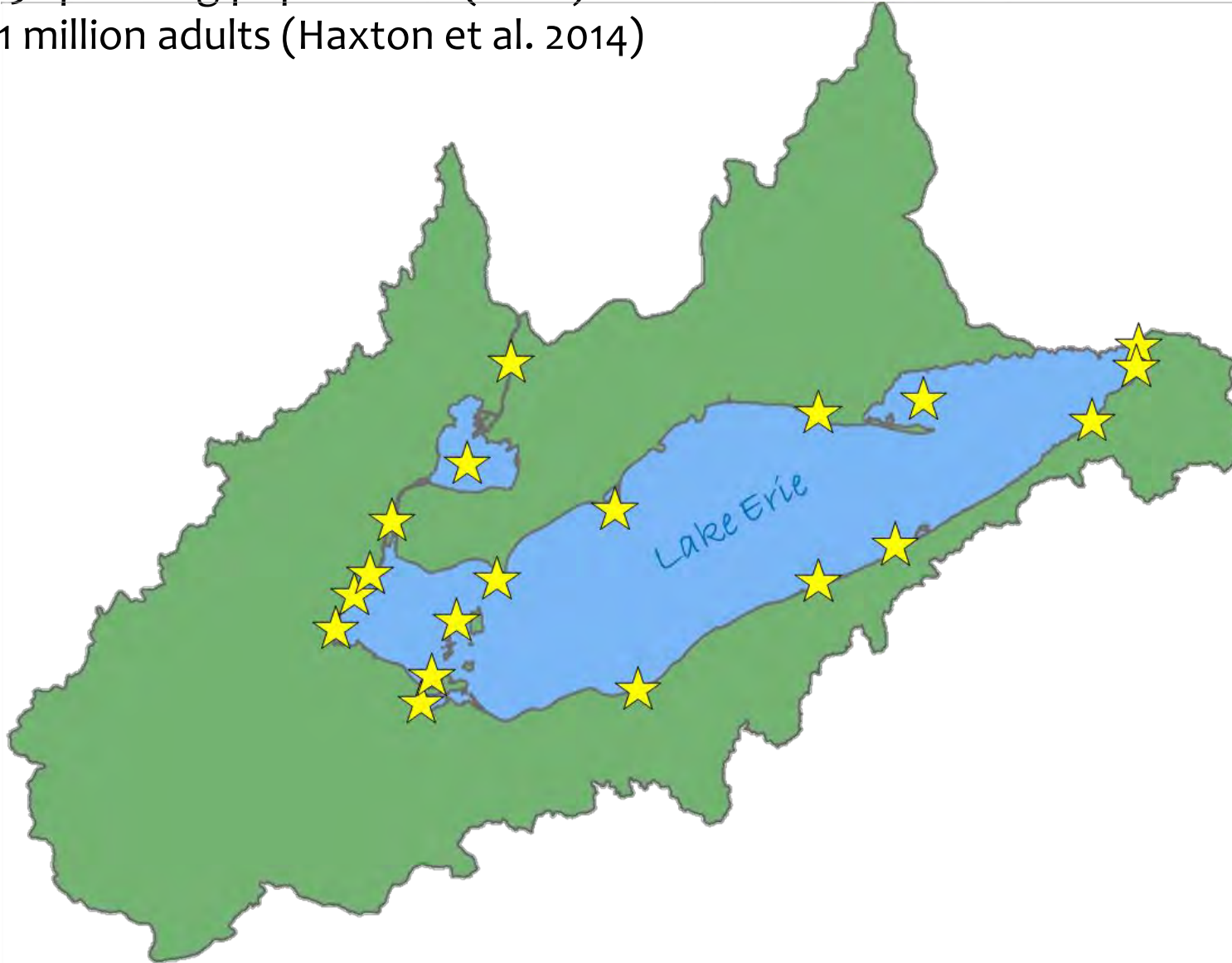
Historically Abundant, Currently Extirpated

- **Historical estimates in Lake Erie: ~300,000 – 1.2 million adults**
 - 19 spawning populations
 - Only 2 currently exist: Detroit River & Niagara River
- **Prior to 1850, abundant in the Maumee River**
 - “Sturgeon once ran up the river by the hundreds as far as the rapids above Perrysburg...” (Smith & Snell 1891)
- **Considered “absent” in Fishes of Ohio, by Milton B. Trautman (1981)**
- **Currently considered extirpated (Holey et al. 2000)**
- **Currently no evidence of spawning or recruitment** (Boase 2008, Mapes et al. 2015)
- **Unlikely to repopulate without intervention**



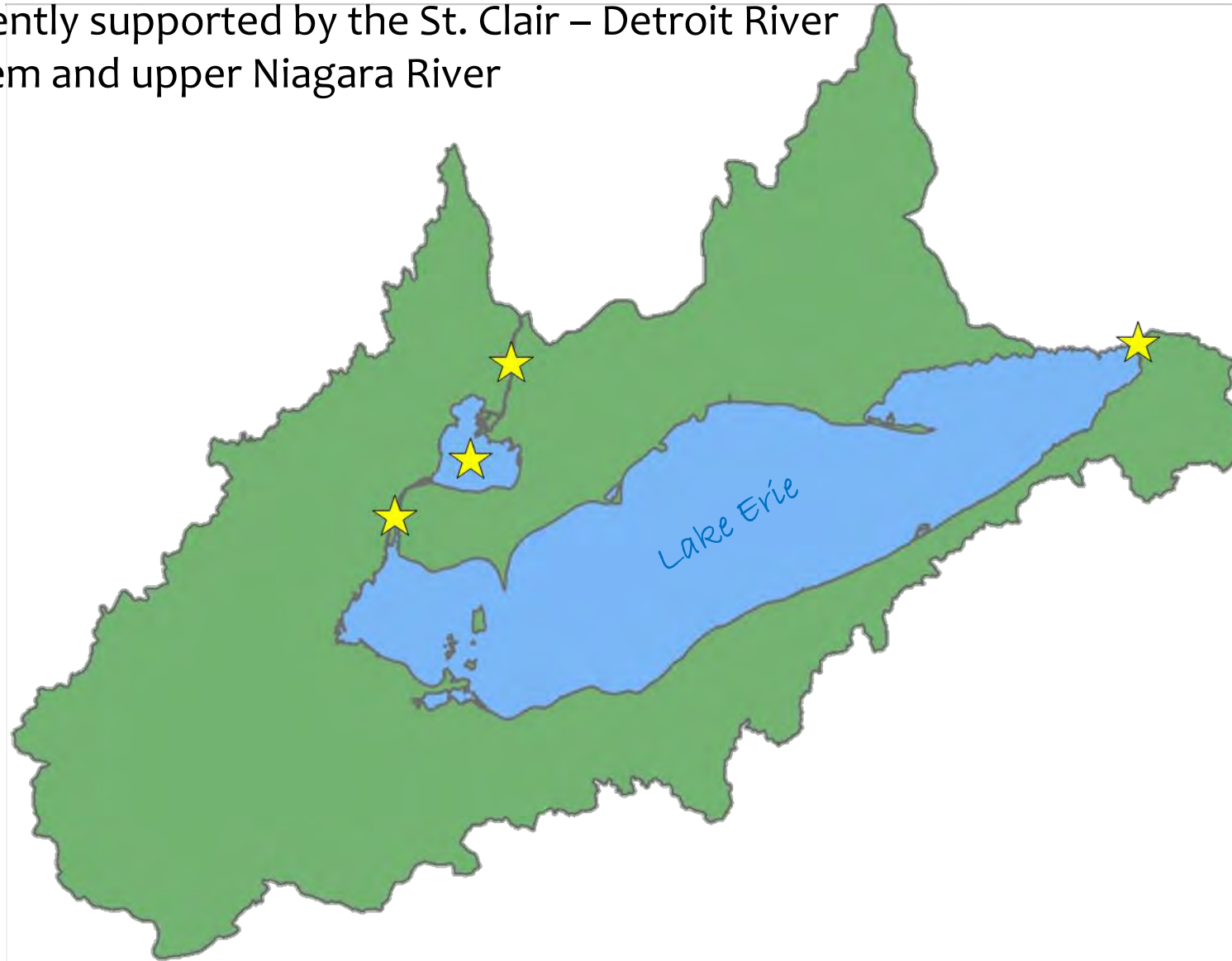
Lake Erie Population Status

- Historically 19 spawning populations (2008)
 - 300 K – 1.1 million adults (Haxton et al. 2014)

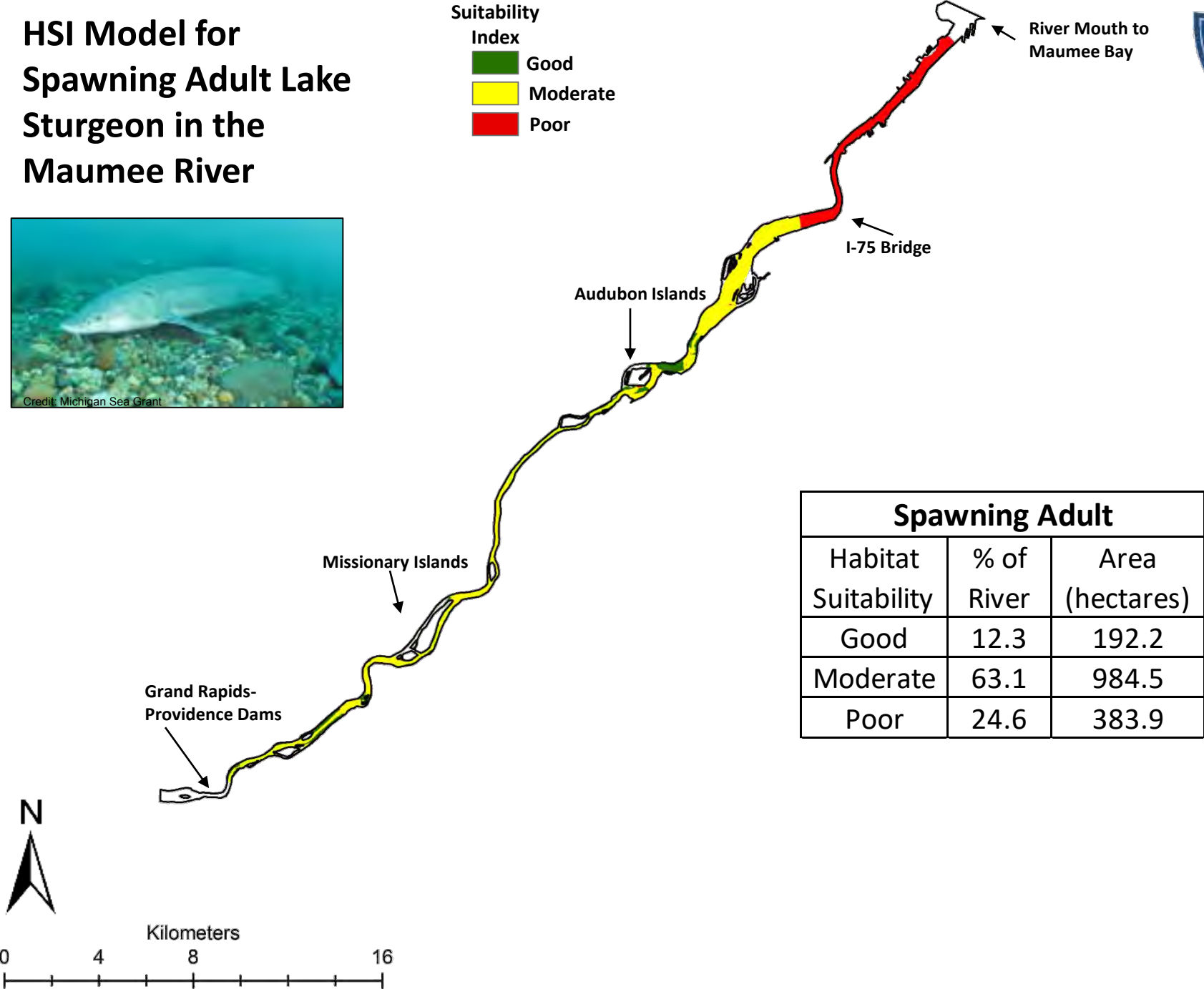


Lake Erie Population Status

- Currently supported by the St. Clair – Detroit River System and upper Niagara River



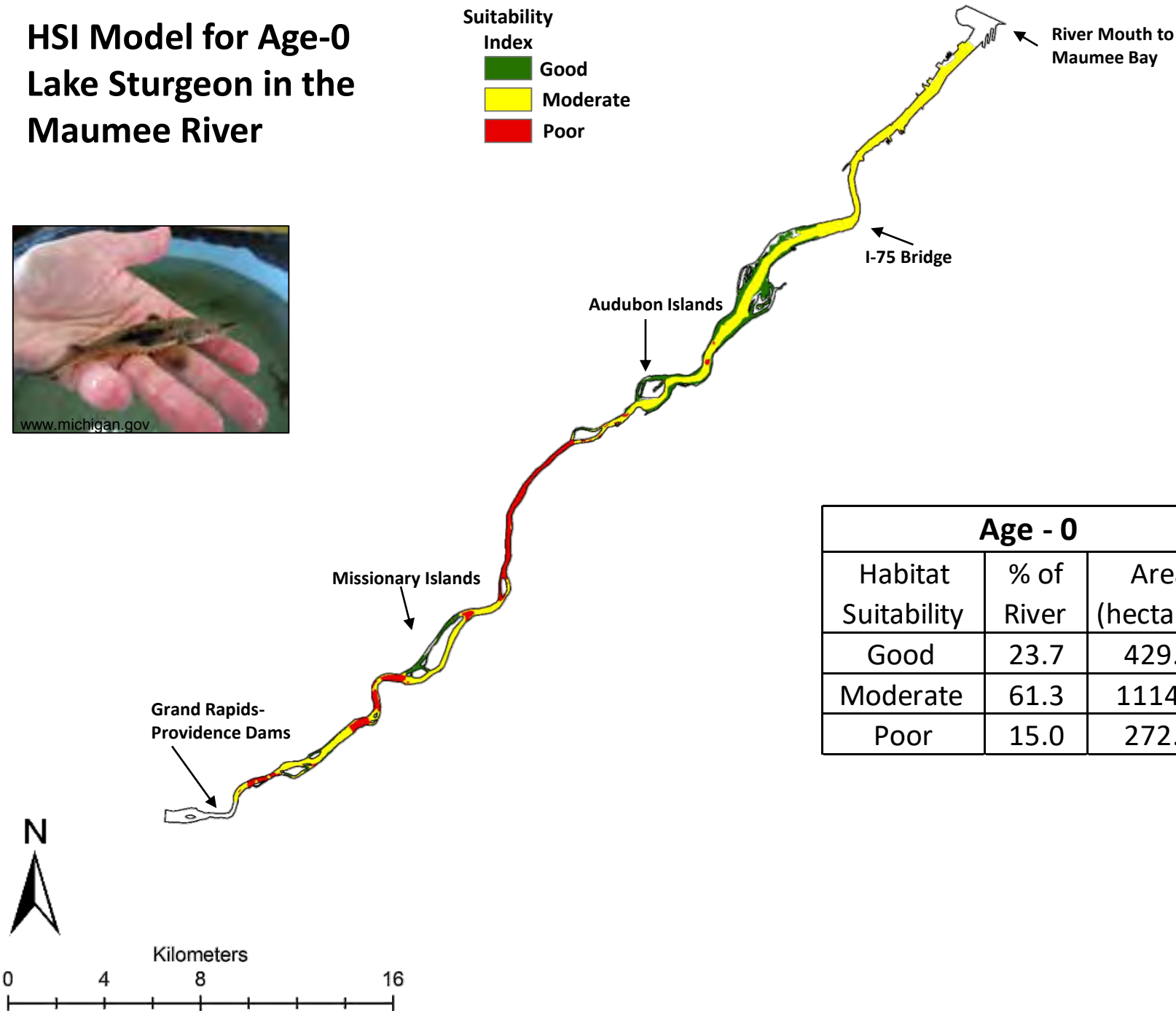
HSI Model for Spawning Adult Lake Sturgeon in the Maumee River



Spawning Adult		
Habitat Suitability	% of River	Area (hectares)
Good	12.3	192.2
Moderate	63.1	984.5
Poor	24.6	383.9



HSI Model for Age-0 Lake Sturgeon in the Maumee River



Age - 0		
Habitat Suitability	% of River	Area (hectares)
Good	23.7	429.3
Moderate	61.3	1114.8
Poor	15.0	272.0

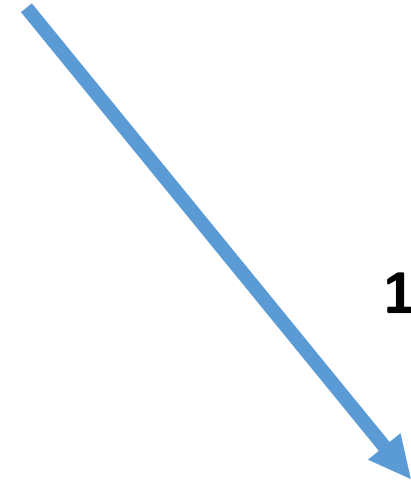




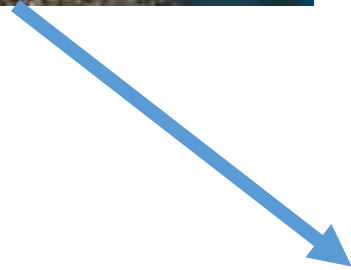
Eggs collected out of Lower Huron upper St Clair population



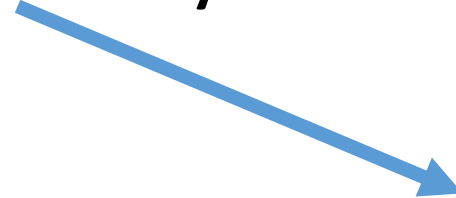
Toledo Zoo



1,500



Genoa Fish Hatchery

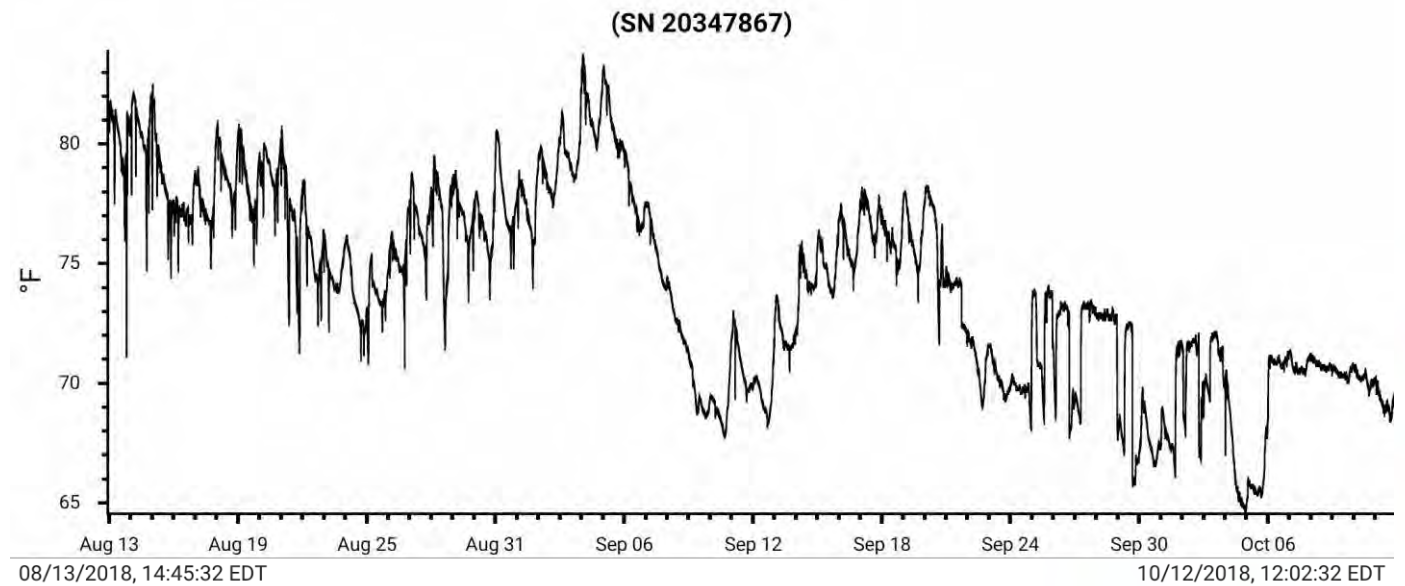
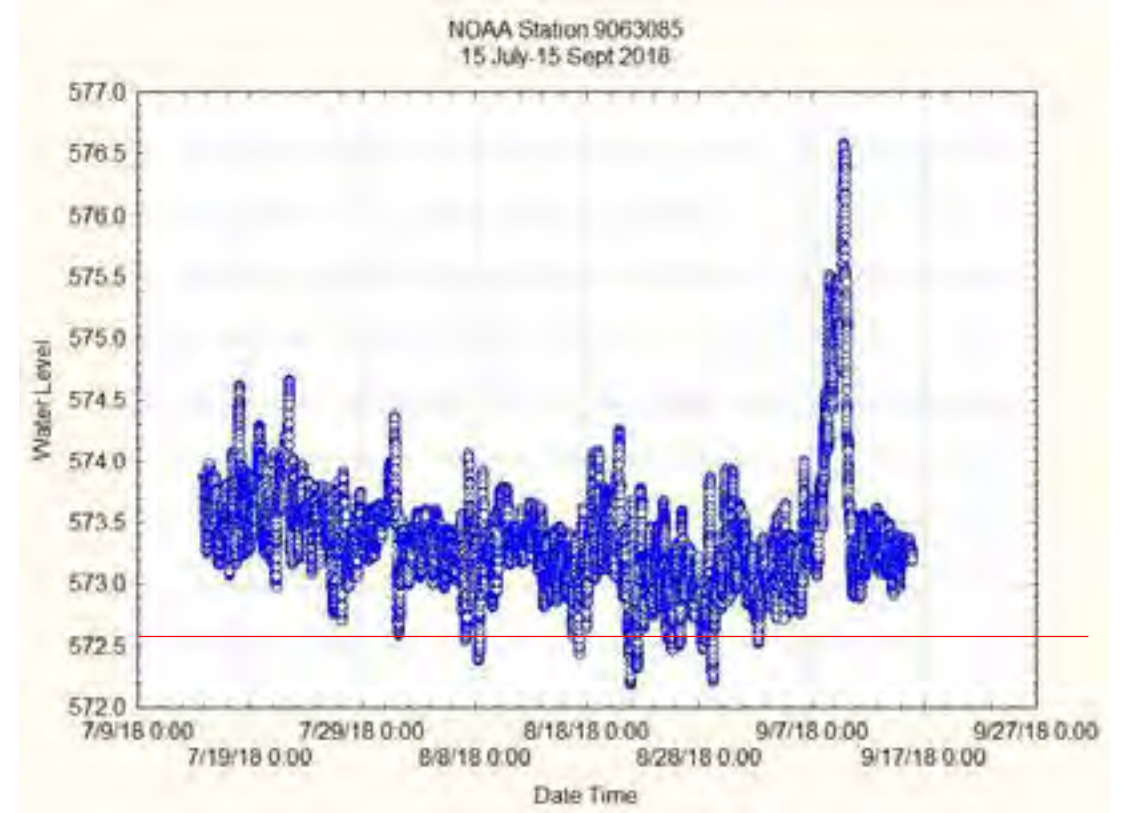


1,500



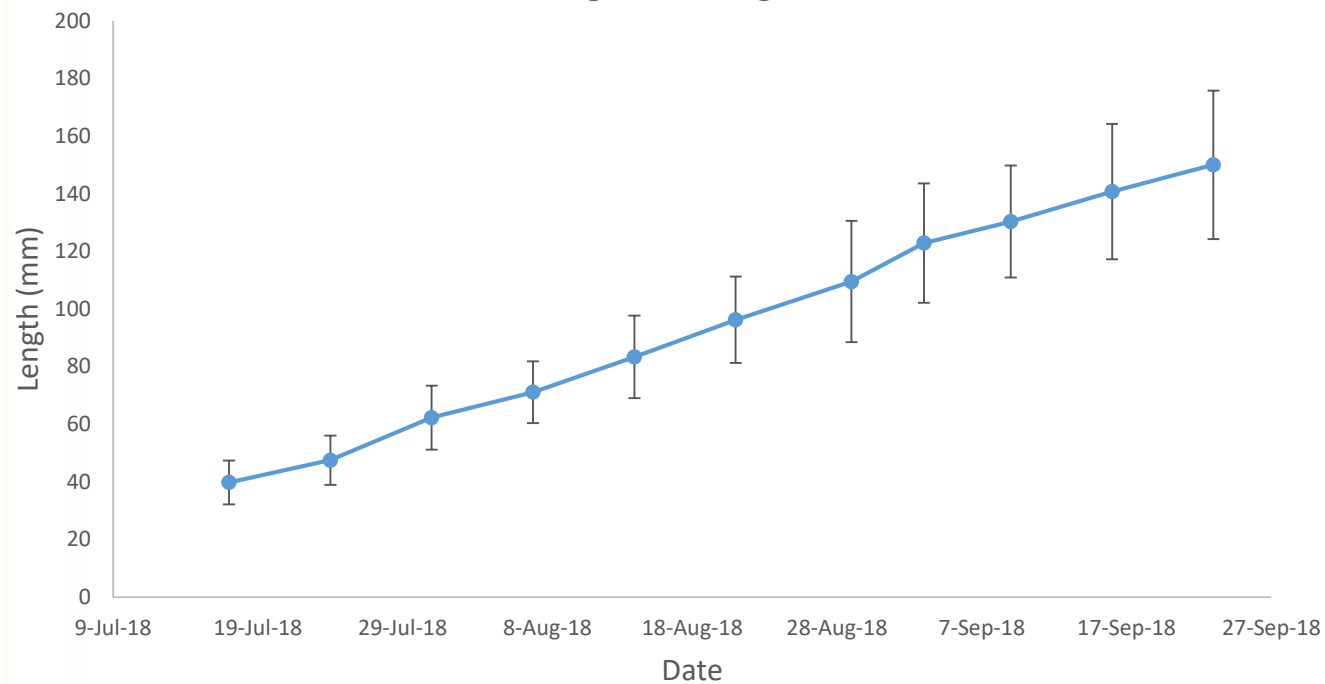




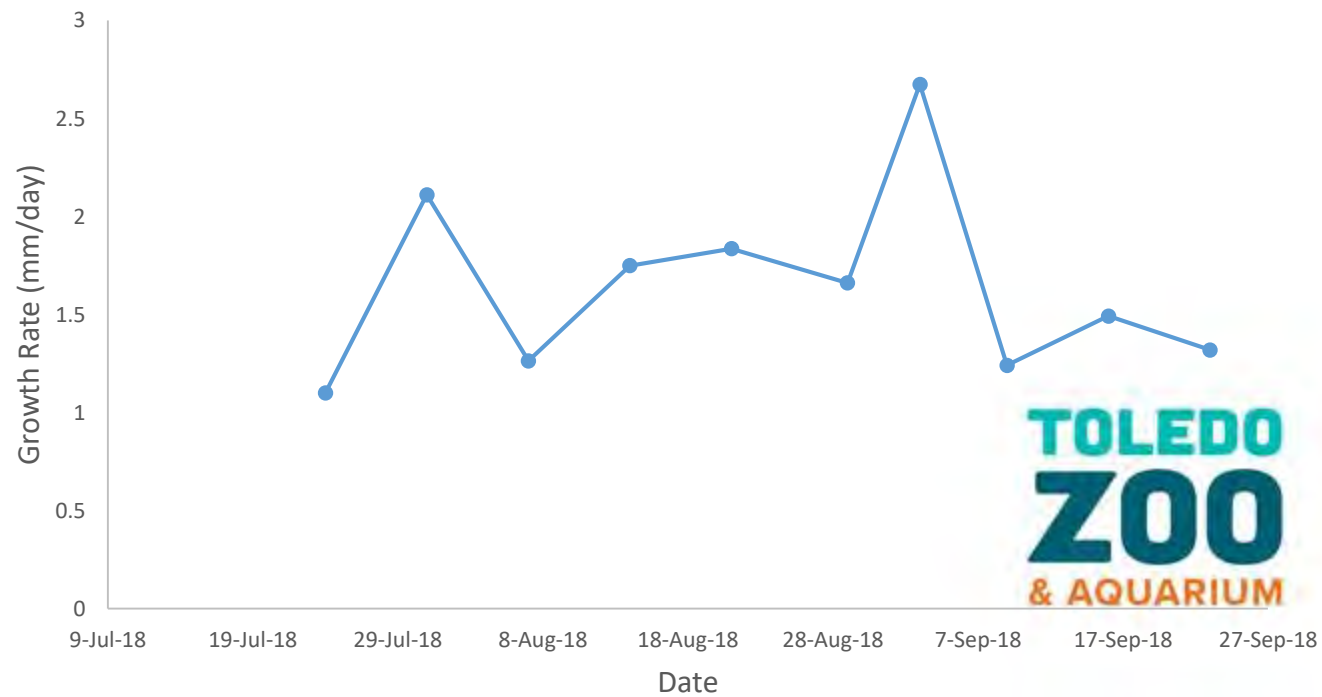


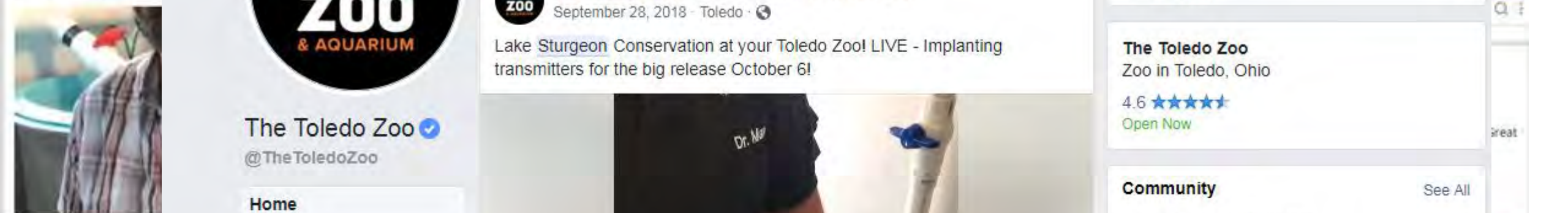


2018 Sturgeon Average Size



2018 Sturgeon Growth Rates





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September 28, 2018 · Toledo · 🌐

Lake Sturgeon Conservation at your Toledo Zoo! LIVE - Implanting transmitters for the big release October 6!



sturgeon

The Toledo Zoo
Zoo in Toledo, Ohio
4.6 ★★★★★
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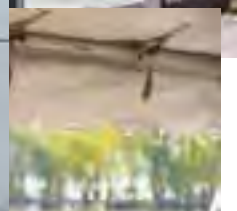
2 Hippo Way (2.99 mi)
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Get Directions

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Typically replies within a few hours
Contact The Toledo Zoo on Messenger

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