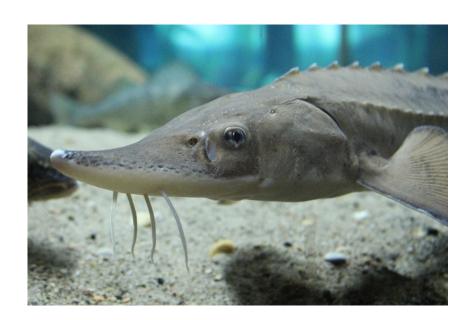


Outline

- Sturgeon facts
- What has happened?
- Where do they live?
- Status?
- What we are doing help







Sturgeon facts

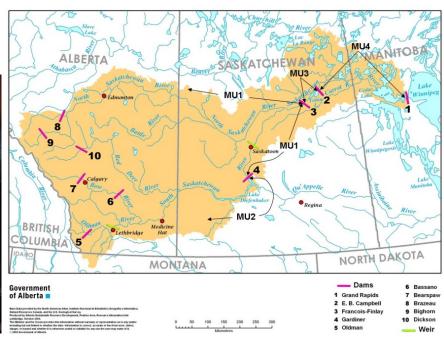
- Tail like a shark
- Great sense of smell
- Mouth like a vacuum
- Bony scutes like a dinosaur
- Swam with the dinosaurs!
- Leap out of the water
- Octoploids?



Distribution in Western Canada

- Saskatchewan-Nelson watershed
- North Saskatchewan River
- South Saskatchewan River
- Red Deer River
- Bow River
- Old Man River





Classification: Public

Sturgeon facts

- Spawning in late spring
- Mature their 20's
- Spawning once every 5 to 7 years.
- Highly migratory



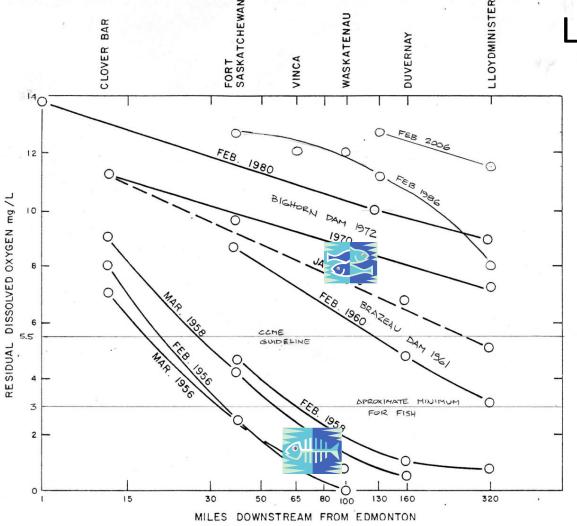


'Alex Waddell caught a 184kg (406-pounds) sturgeon in the Roseau River, in 1903. The fish was about 4.6 metres (15' 2") long and estimated to be 150 years old.'

Lake Sturgeon History

- Over-fished
- Population collapse
- ...and harvest closed in 1940
- No harvest of sturgeon in AB

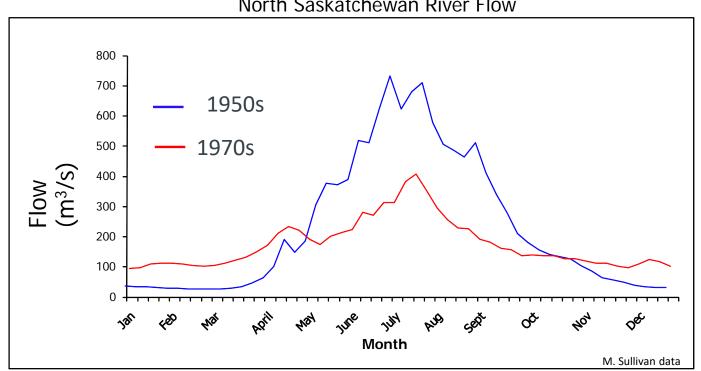
Globally – Sturgeon populations have collapsed



Lake Sturgeon History

Lake Sturgeon History

North Saskatchewan River Flow



Classification: Public

Lake Sturgeon Recovery

- Start of Lake Sturgeon recovery
- Lake Sturgeon angling reported as "a thing caught" in 1990 by Genesee; amazing story
- Sturgeon biological work started that day!





Status of Sturgeon

- Species at risk in Alberta
 - Threatened (2007)
 - Recovery actions include population monitoring
 - 1990 in NSR
 - Early 2000's SSR
- Citizen scientists are keystone!



Alberta Lake Sturgeon Recovery Plan 2011 – 2016



Alberta Species at Risk Recovery Plan No. 22

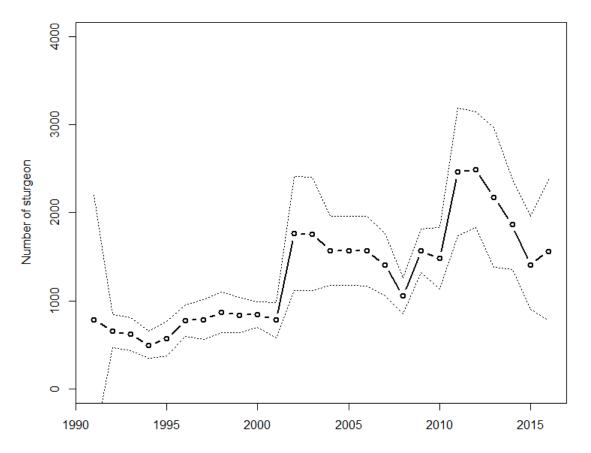
Status of Sturgeon

- Angling
- Population Estimates
- Distribution



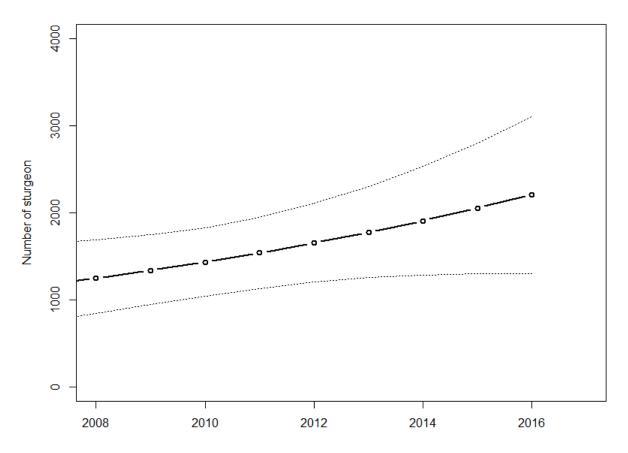


<u>Lake Sturgeon – North Saskatchewan River (Upper)</u>



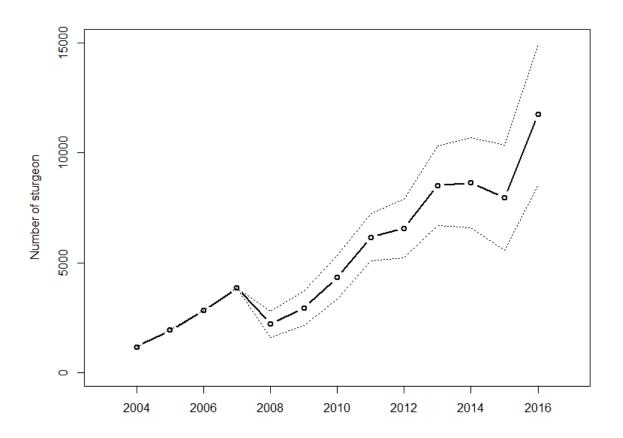
A.J. Paul 2019. Alberta Lake Sturgeon Population Estimates from the Volunteer Angling Program -2017

<u>Lake Sturgeon – North Saskatchewan River (Lower)</u>



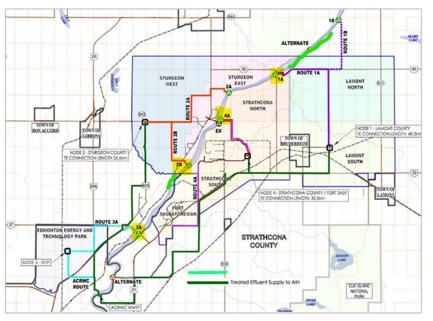
A.J. Paul 2019. Alberta Lake Sturgeon Population Estimates from the Volunteer Angling Program -2017

<u>Lake Sturgeon – South Saskatchewan River</u>



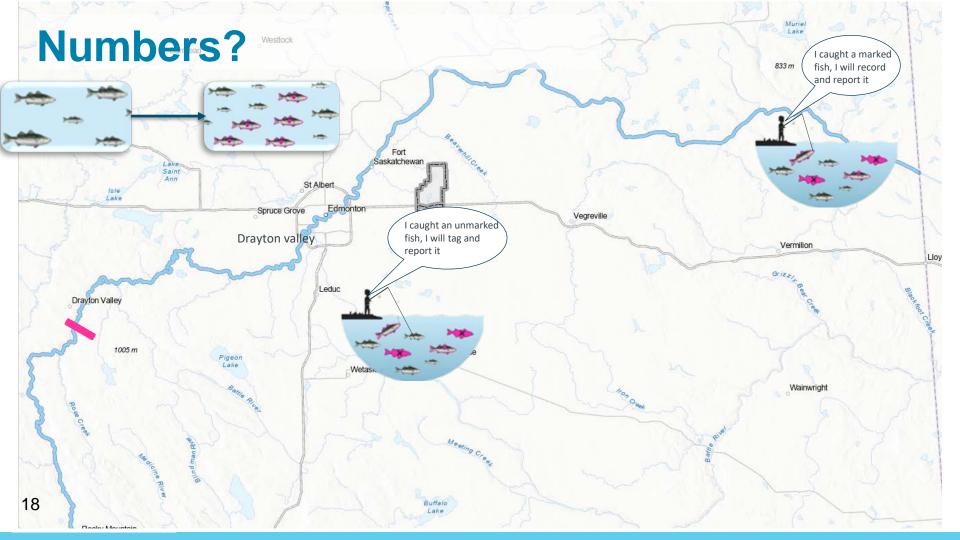
A.J. Paul 2019. Alberta Lake Sturgeon Population Estimates from the Volunteer Angling Program -2017

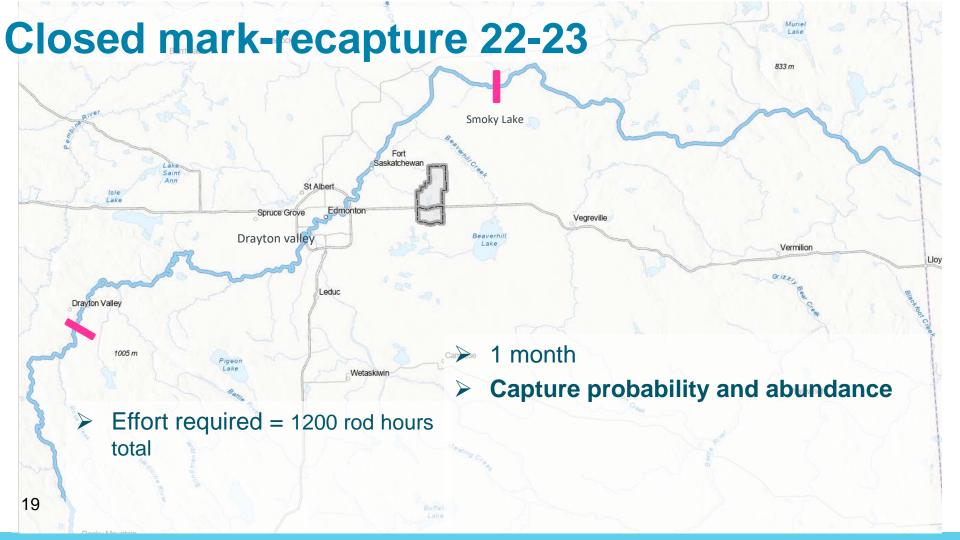
Status of Sturgeon



Important habitats









- 1. Vulnerable species
- 2. Increasing trends in 2017
- 3. Providing habitat protection
- 4. Very interested in 22-23 data
- 5. Update 2024
- 6. Huge shout out to volunteers!

J. Krukowski photo credit

Questions?



Albertan