







































Posthodiplostomum minimum

- Only larval trematode stage recovered from Oxbow lake fish
- Identified morphologically
 - Preliminary sequencing data confirm *P. minimum* infection
- Prevalence of 28% (38/136)
- High prevalence in Centrarchid Fish (67%)











Posthodiplostomum minimum Negative Fish

- Spotted Gar
- Carp
- Short nose Gar
- Black Spot
- Small Mouth Buffalo
- Bowfin
- Pug Minnow
- White Crappie







Conclusions

- No metacercariae found in fish populations link to the adults found in the Double-crested Cormorant. Despite the high numbers of cormorants on this lake, this piscivorous bird seems to have little parasitic impact on this fish population.
- Herons, the definitive host for *P. minimum*, were observed in small numbers at the ox-bow lake, however they seem to have the greatest parasitic impact. Other definitive hosts?
- The species of snails inhabiting this lake may play a key role in determining which trematodes infect the ox-bow lake fish.





