

# ZEBRA MUSSEL UPDATE

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# Monitoring Update: Highland Lakes

## NO NEW HIGHLAND LAKE INTRODUCTIONS 2018

- **Zebra mussel DNA**

- **Inks Lake**

- POSITIVE – Oct 2017
- NEGATIVE – Nov 2017 and May, Jun, Oct, Nov 2018

- **Lake LBJ**

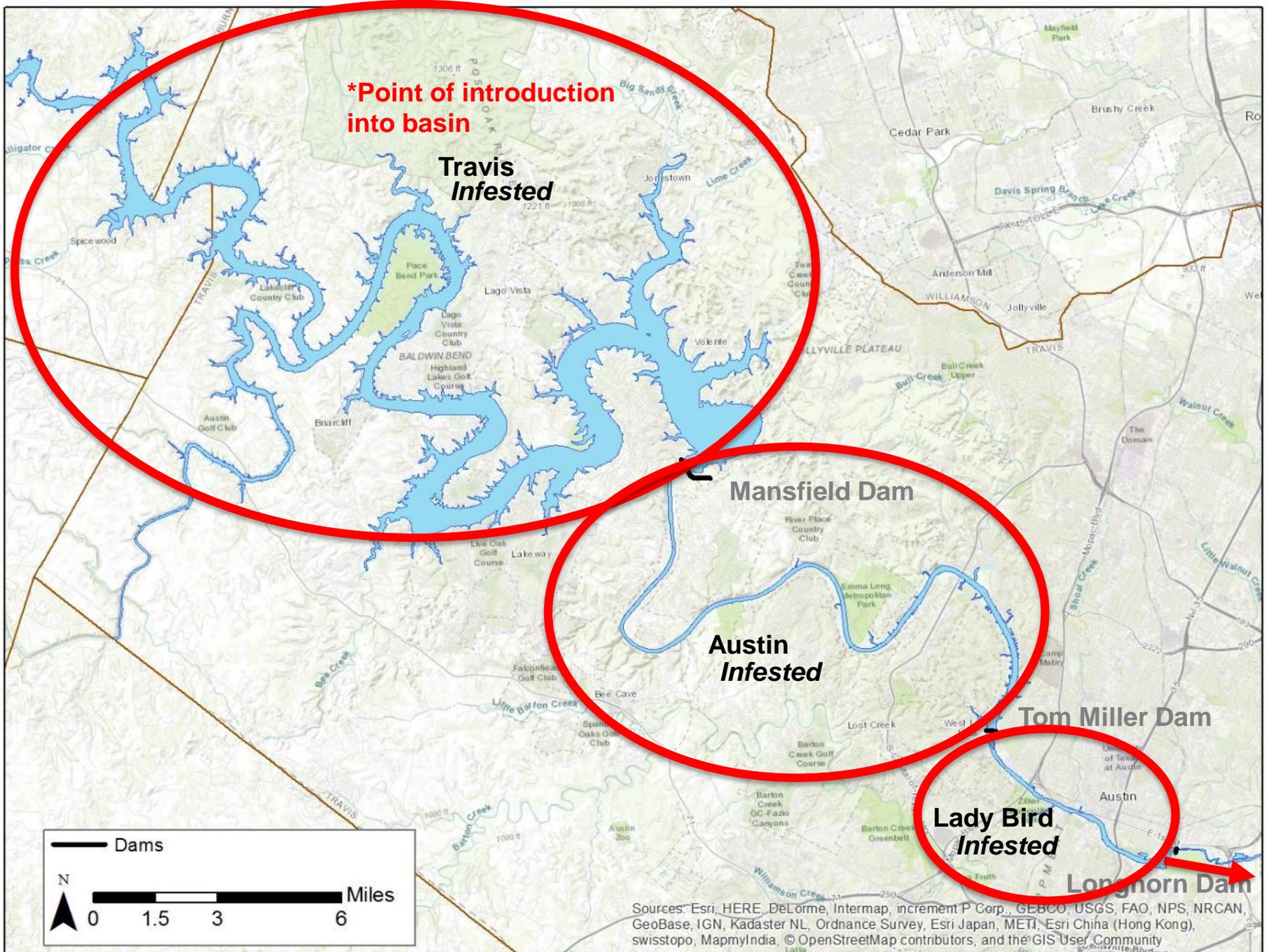
- POSITIVE – Jun 2018
- NEGATIVE – Oct and Nov 2018

- **2019 Highland Lake sampling resumes April**

# Monitoring Update: October Floods

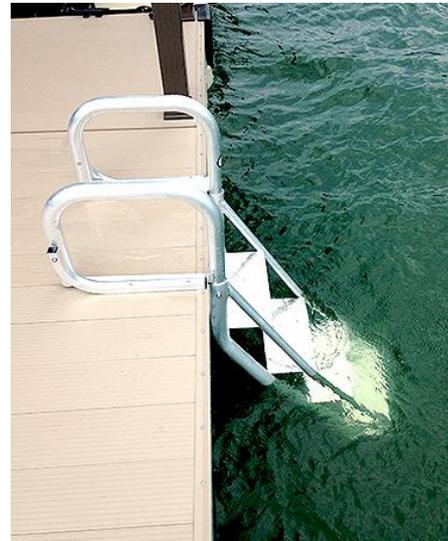
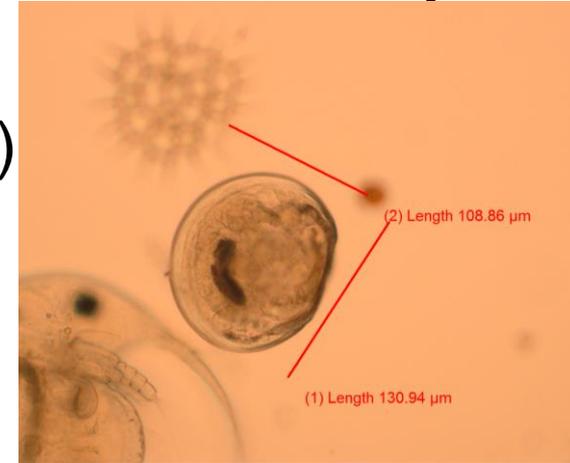
- **Were ZMs transported downstream?**
  - Likely
- **Survivability during transport?**
  - Questionable (>25,000 cfs for >3 weeks)
- **New locations of transported specimens?**
  - Unknown
- **STAY TUNED...**





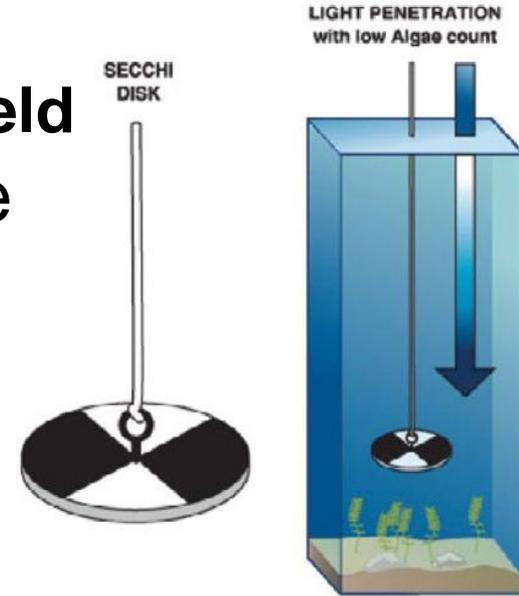
# WHAT HAVE WE SEEN SO FAR?

- **Spawning trends:** significant reproductive activity
  - Travis 2018:
    - April-Aug, October (most active: Jun)
  - Austin 2018:
    - April-October (most active: Jul)
- **Recreational impacts**
  - Colonization of docks, swim ladders, shorelines



# WHAT HAVE WE SEEN SO FAR?

- **Ecological impacts: Travis @ Mansfield**
  - 2018 record Secchi depth for June
  - (5.5 m; 34 year period of record)
- **Economic impacts**
  - Reports of mussels covering intake screens, colonizing inside pipes



**KUT 90.5**

Austin's NPR Station

**Odd Smell In Austin's Tap Water  
Likely Caused By Zebra  
Mussels, City Says**

By ANDY JECHOW • FEB 7, 2019

# Questions?



## ZEBRA MUSSELS HIDE HERE.

**CLEAN, DRAIN AND DRY YOUR BOAT.**

TEXAS  
PARKS &  
WILDLIFE