

ZEBRA MUSSELS MITIGATION UPDATE

Water & Wastewater Commission | March 8, 2023

Stephanie Sue, P.E.

Water Treatment Operations Manager



Last Presentation to W&WW Commission (06/08/2022)

W&WW Commission 06.08.22 - ZM Briefing Update



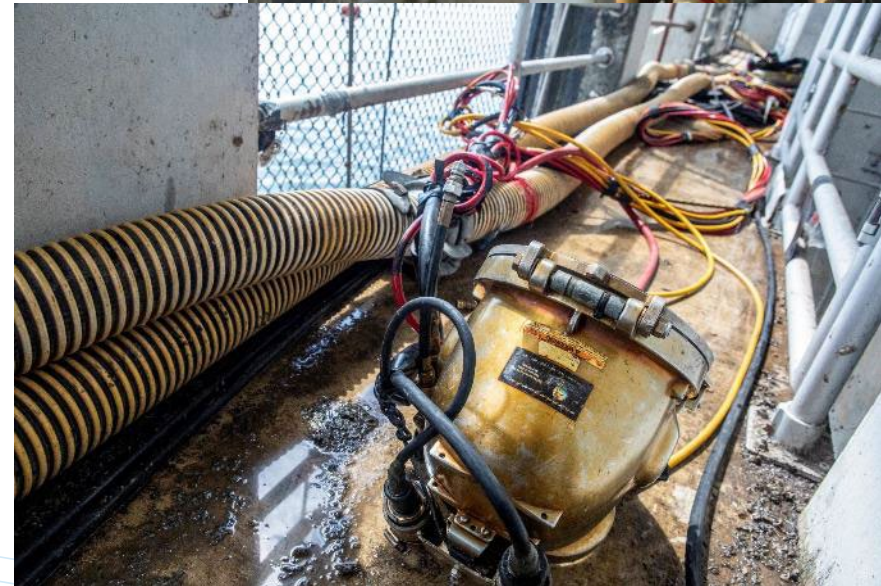
Intake Cleaning and Inspections

- 💧 Remove zebra mussels from infrastructure upstream of chemical feed
- 💧 Inspect subsurface infrastructure
- 💧 Occurs within intake structures, pump casings, pump pits, etc.



Intake Cleanings and Inspections

- 💧 Water Treatment Plant cleaning and inspections have occurred at least annually since 2019
- 💧 Most recent inspections occurred at all three plants in November and December 2022
- 💧 Observations confirmed that zebra mussel accumulation has decreased



Ullrich Water Treatment Plant

Pre-Removal of Zebra Mussels from Trash Rack

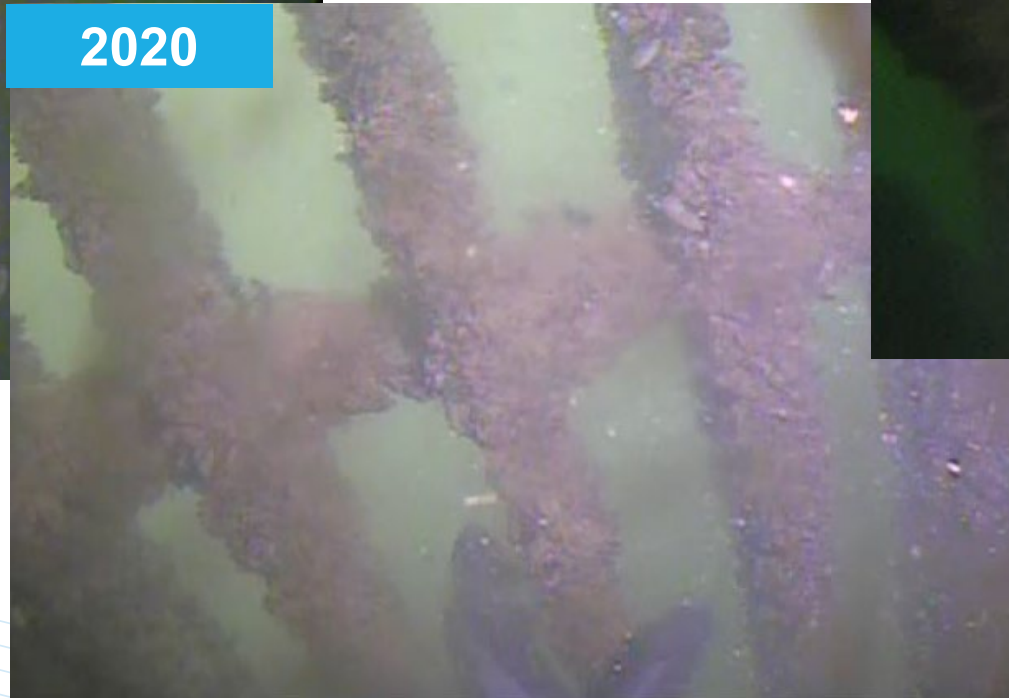
2019



2021



2020



Ullrich Water Treatment Plant

2022 Pre- and Post-Removal from Trash Rack



Typical soft growth on Ullrich Trash Rack



Post-Cleaning Trash Rack

Copper Ion Generation (CIG) System

- 💧 Construction began last fall
- 💧 Substantial completion expected Winter 2024
- 💧 Electrical, structural and civil work progressing



A close-up photograph of a grasshopper on green foliage, serving as the background for the slide. A semi-transparent teal banner is overlaid across the middle of the image.

Questions?

