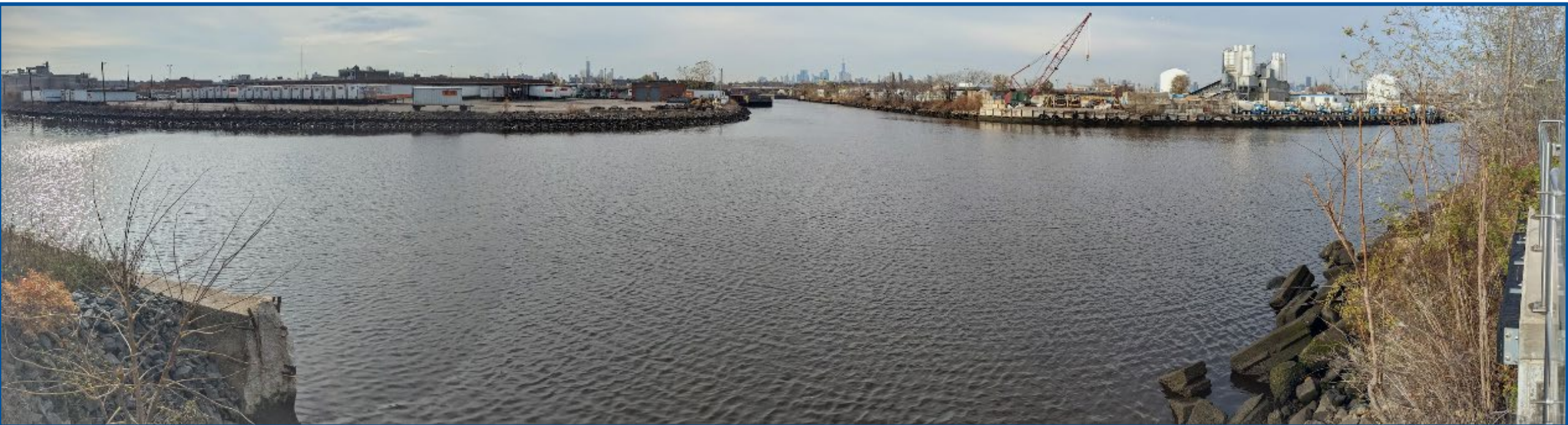


Newtown Creek Aeration System Update



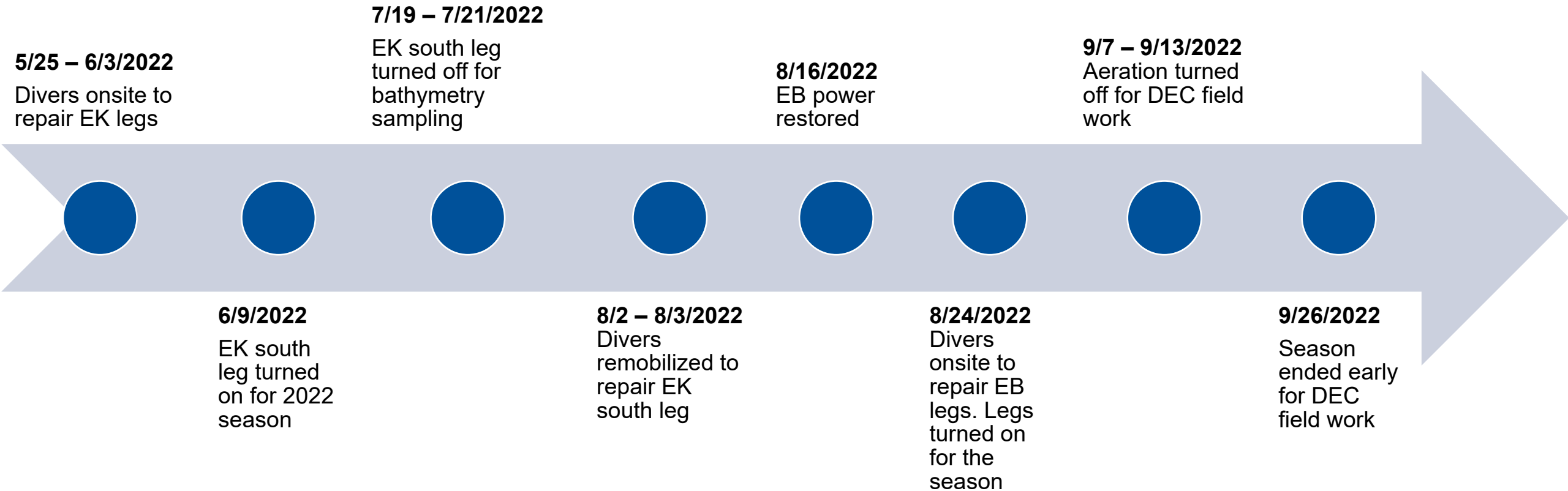
May 23, 2023

Agenda

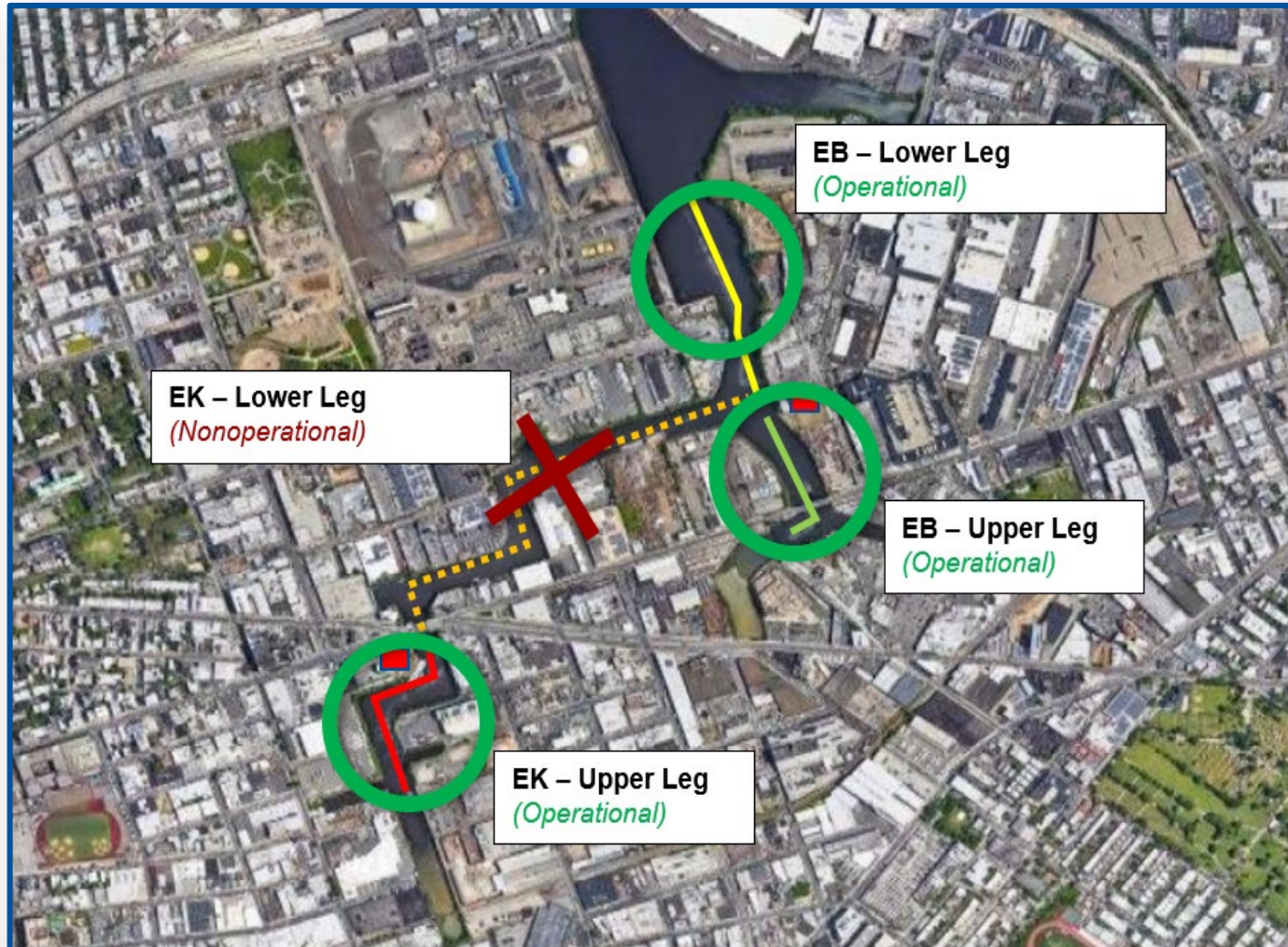


1. 2022 Aeration Season Recap
2. Revised Aeration System Operation
3. Dissolved Oxygen Data
4. Current Operational Status
 - English Kills
 - East Branch

1. 2022 Aeration Season Recap



2. Revised Aeration System Operation



Facility	Blower Configuration
English Kills	1 blower / 1 leg (South)
East Branch	1 blower / 2 legs

Updated Aeration Protocol:

- Original plan – only operate south legs @ both facilities
 - Once East Branch became operational (Aug. 2022), found it was not feasible to operate system on 1 leg
 - Could cause increased pressure on blower and result in a catastrophic failure

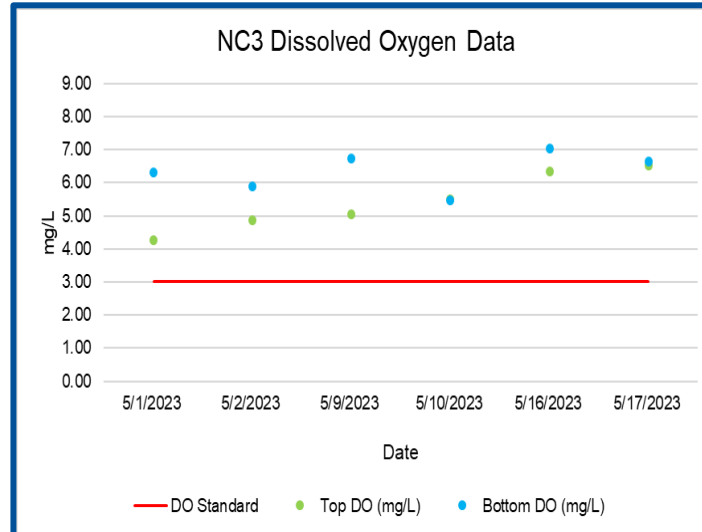
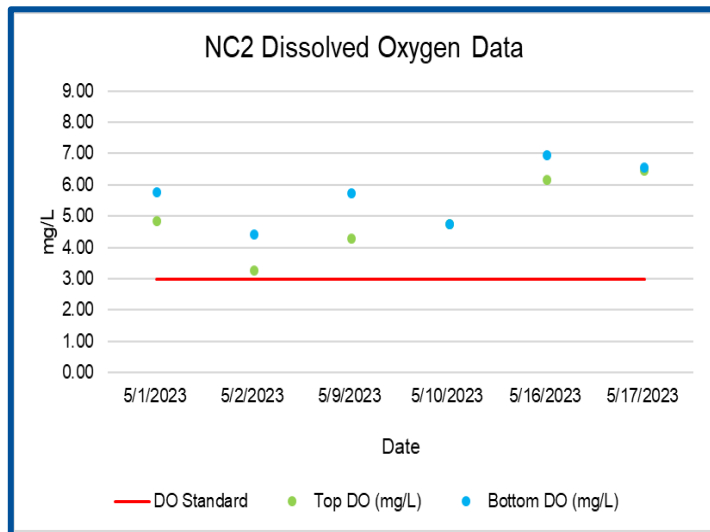
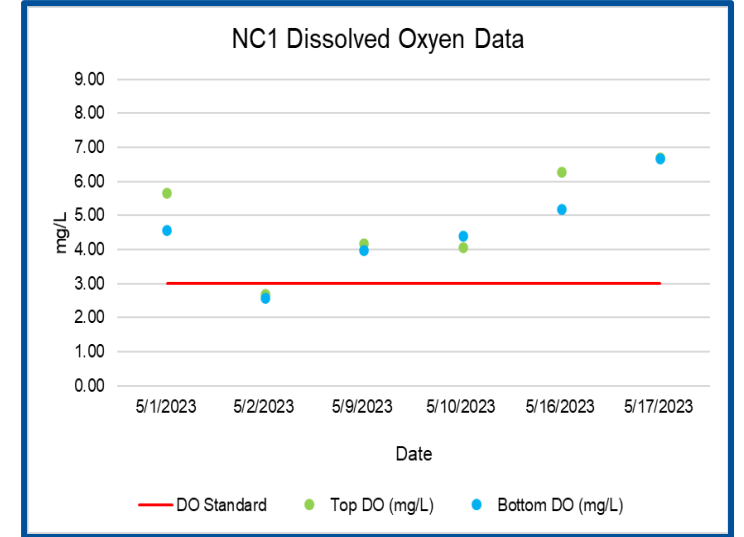
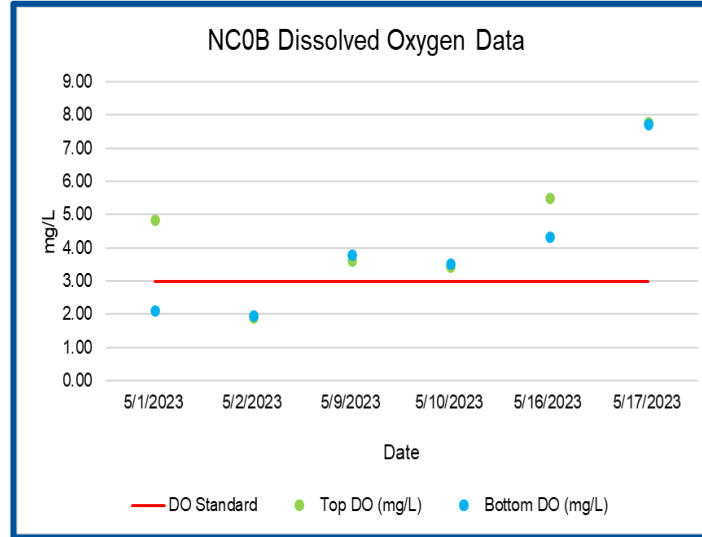
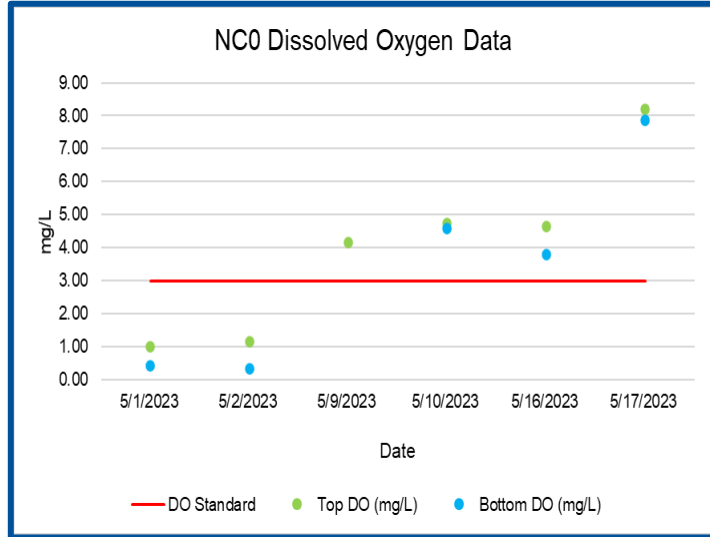
3. Dissolved Oxygen Monitoring



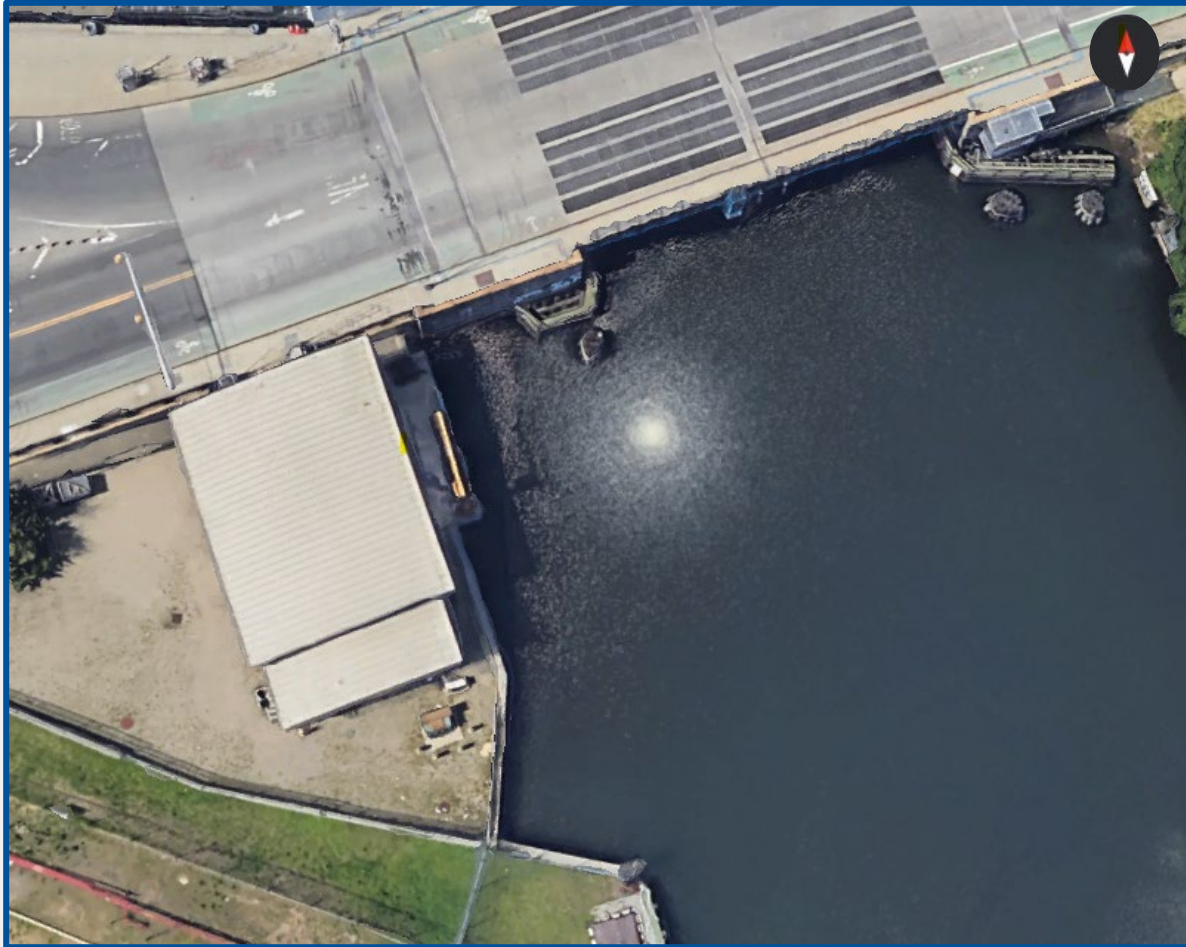
- Resumed twice-a-week DO sampling at the 5 harbor survey stations on May 1, 2023

3. Dissolved Oxygen Monitoring

May 2023 Data



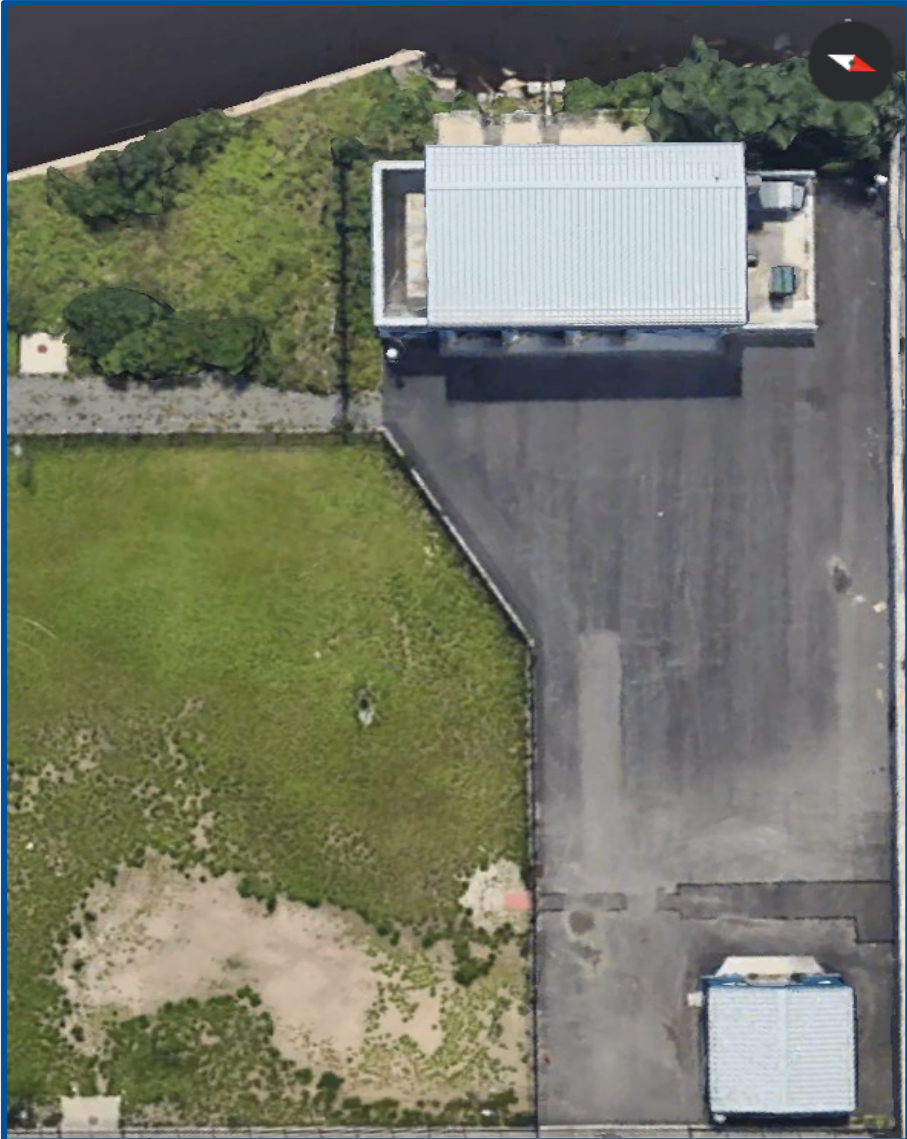
4. Current Operational Status



English Kills

- 2023 Aeration Season preparation **in progress**
- Pre-season system repair + maintenance
 - Diving Contractor mobilized onsite May 8, 2023 to inspect diffusers and aeration lines
 - **Work ongoing**
 - Blower PM/CM completed
 - 3 blowers operational
- Noise reduction project completed October 2021
 - Will take additional noise readings this season
- Current operation maximizes blower redundancy

4. Current Operational Status



East Branch

- Transformer/Power Failure repaired August 16, 2022
- 2023 Aeration Season preparation **in progress**
- Pre-season system repair + maintenance
 - Diving Contractor mobilized onsite on May 12, 2023 to inspect diffusers and aeration lines
 - **Work ongoing**
 - Blower PM/CM completed
 - 1 blower operational
- Procurement of spare blower in progress
- Noise reduction project in progress
 - Will take additional noise readings this season



THANK YOU