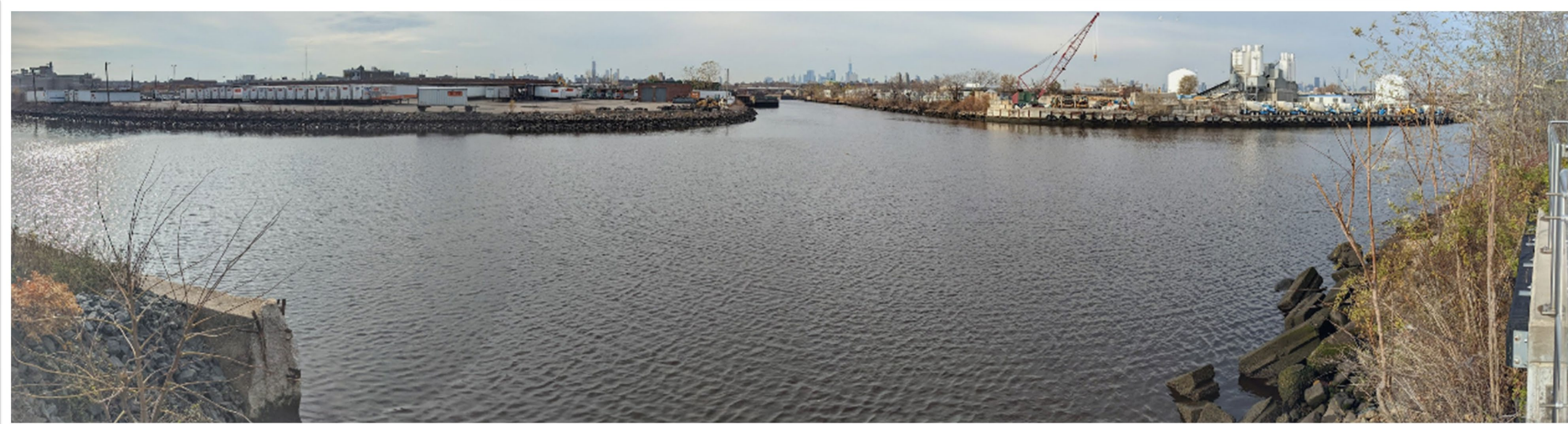


Newtown Creek Aeration System Update



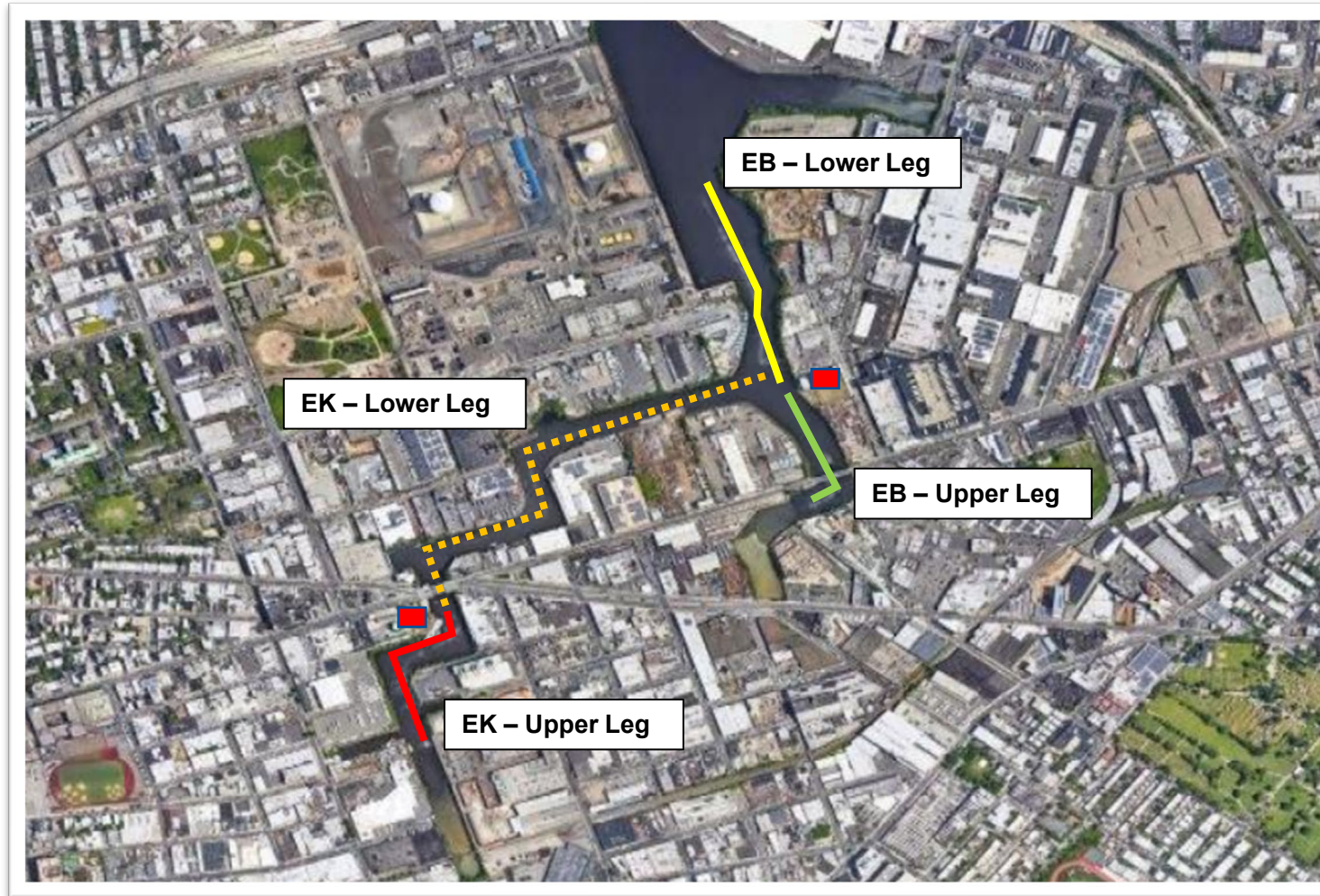
May 18, 2022

Agenda

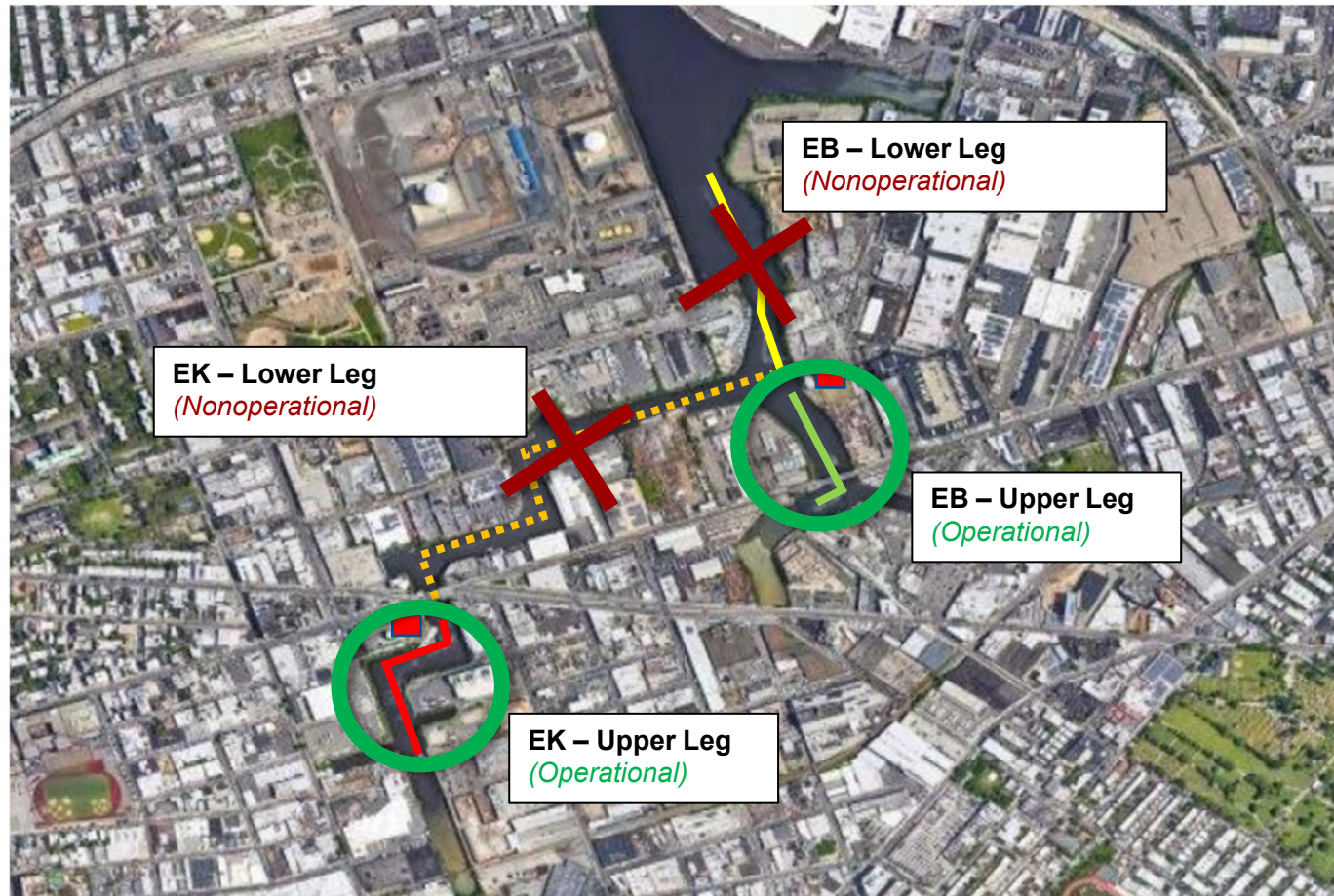


1. Revised Aeration System Operation
2. Revised Sampling Location
3. Dissolved Oxygen Data
4. Current Operational Status
 - English Kills
 - East Branch

1. Revised Aeration System Operation



1. Revised Aeration System Operation



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

Risk Management

- ✓ Focused operations on upstream system
- ✓ Increased blower redundancy
- ✓ Reduced risk of catastrophic blower failure
- ✓ Reduced barge traffic hazards

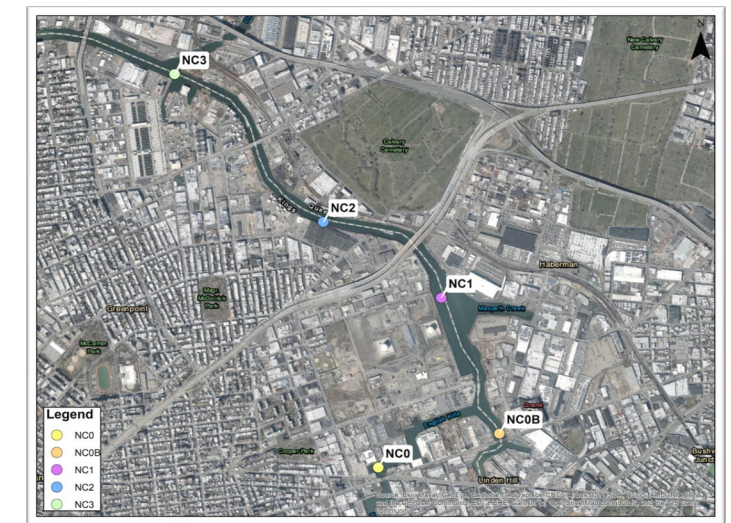
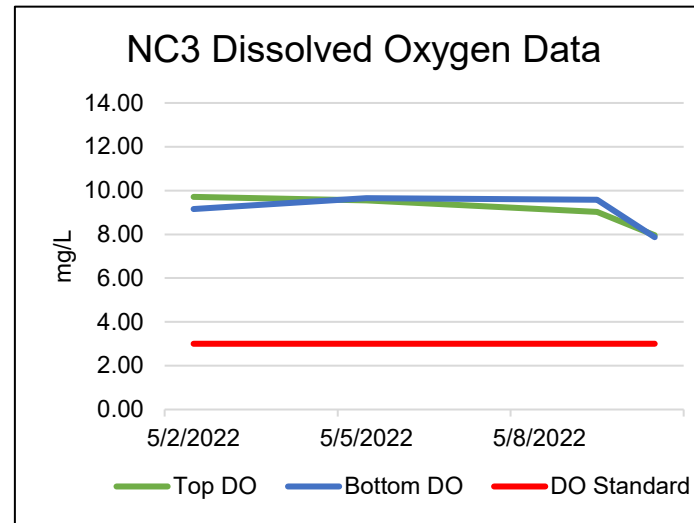
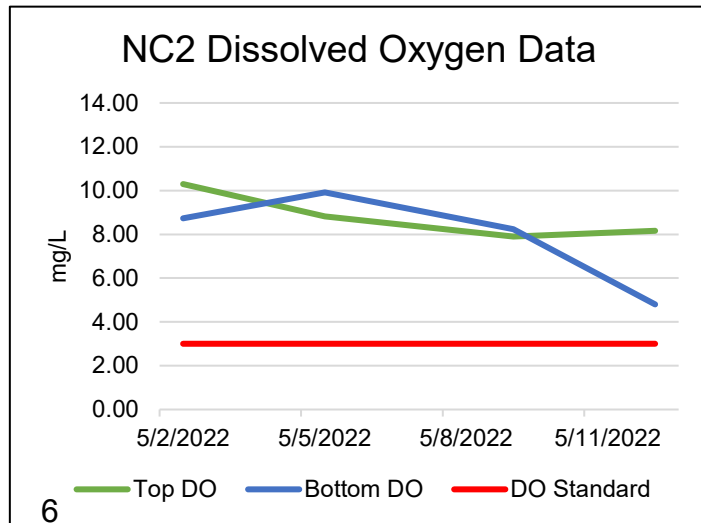
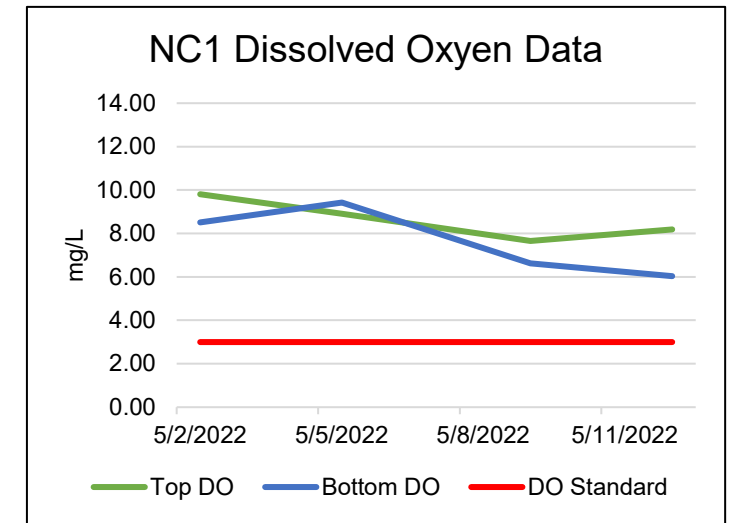
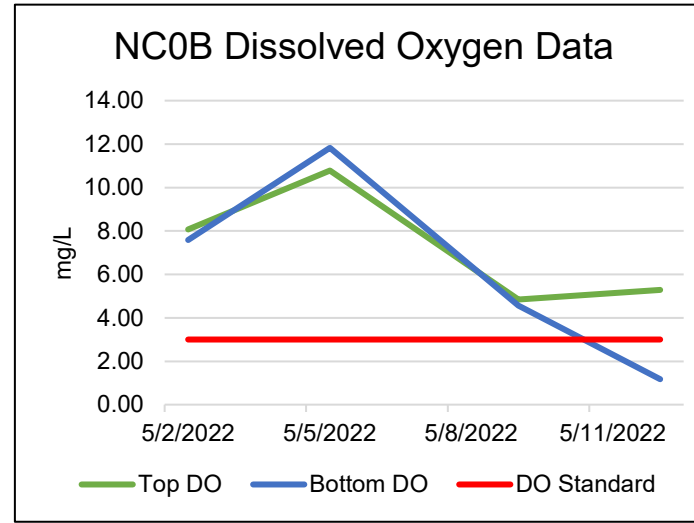
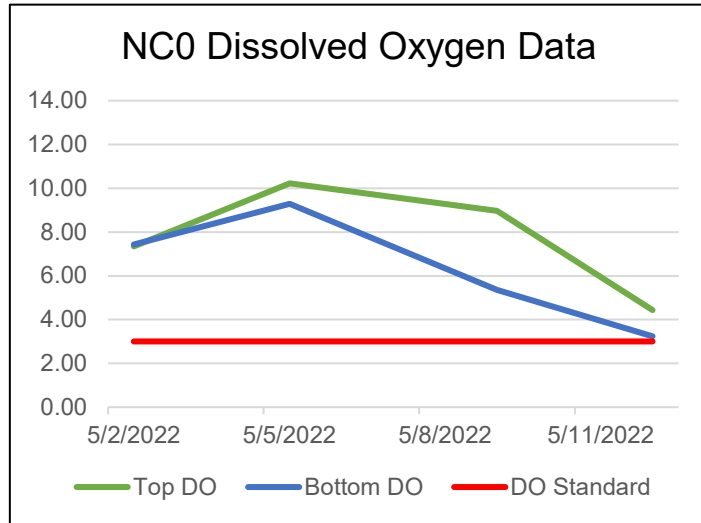
2. Revised Sampling Location



- Replaced NC0A with NC0B
- NC0B DO data triggers startup for East Branch Aeration System - Upper Leg
- NC0 DO data triggers startup for English Kills Aeration System – Upper Leg
- NC0, NC1, NC2, NC3 remain part of the Harbor Survey sampling program

3. Dissolved Oxygen

May 2022 Data



4. Current Operational Status



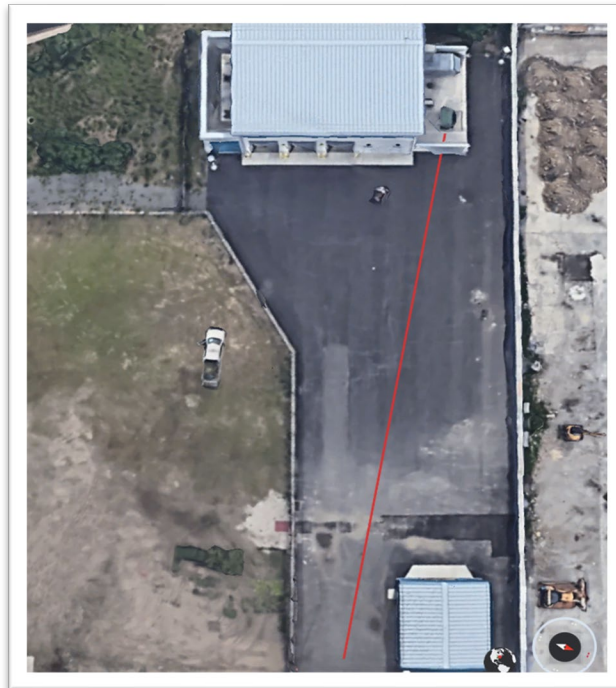
English Kills

- Preparing for the 2022 Aeration Season
- Pre-season system repair + maintenance
 - Diving Contractor mobilizing onsite to inspect diffusers and aeration lines
 - Blower facility PM/CM
- Noise reduction project completed October 2021
- Operation maximizes blower redundancy

4. Current Operational Status

East Branch

- Transformer/Power Failure
- Subsequent Tasks
 - Pre-season system repair + maintenance – aeration system and blower facility
 - Noise reduction project
- Operation maximizes blower redundancy





THANK YOU