
Assessing the Effects of Storm Surge Barriers on the Hudson River Estuary
Final Workshop | January 28, 2020 | 10am - 4pm (snow date: January 30th)
Location: Center for the Urban River at Beczak, 35 Alexander Street, Yonkers, NY

PARTICIPANT AGENDA

Purpose of Final Workshop

- Share, discuss and confirm results from September 2019 Surge Barrier Environmental Effects and Empirical Experience Workshop
- Present recent research results, including work from the Harbor and Tributaries Focus Area Feasibility (HAT) Study, NERRS- and NYSERDA-funded efforts, HRF and other related work
- Develop future research agenda priorities related to the potential environmental effects of storm surge barriers on the region's estuaries
- Identify potential future funding needs and sources and opportunities for broader research collaboration

9:45 AM Arrival & Greeting

10:00 AM Introduction, Welcome and Background

Welcome remarks and workshop purpose (Philip Orton, Stevens Institute of Technology)
Agenda review and session ground rules (Bennett Brooks, Consensus Building Institute)
Participant self-introductions
Brief project overview (P. Orton)

10:20 AM Project-Related Updates

Updates on relevant projects to provide context for workshop discussions

- NY/NJ Harbor and Tributary Study (Bryce Wisemiller, USACE)
- September 2019 Surge Barrier Environmental Effects and Empirical Experience Workshop (P. Orton; Kristin Marcell, NYS DEC's Hudson River Estuary Program; Sarah Fernald, NEIWPCC/Hudson River National Estuarine Research Reserve)

11:15 AM Update on Research Results and Ongoing Studies

Opportunity for updates on related research efforts – recently undertaken work and planned future studies

- NERRS- and NYSERDA-funded research (P. Orton and Ziyu Chen, Stevens Institute)
- USACE NY/NJ Harbor and Tributary Study – Recent and future environmental studies and needs (Kyle McKay, USACE)
- Hudson River Foundation-funded studies (Jim Lodge, HRF)

12:20 PM Lunch Break (provided on-site)

1:00 PM Identifying Future Research Needs and Priorities

Discussion among workshop participants to identify top research priorities related to the environmental effects of surge barriers

- Part 1: Presentation and discussion of Science Workshop Top Priority: Sedimentation research proposal outline (P. Orton)
- Part 2: Presentation and discussion of Science Workshop Top Priority: Comprehensive survey of migrating organisms (K. Marcell)

2:00 PM Break

2:15 PM Identifying Future Research Needs and Priorities (continued)

Continue discussion among workshop participants to identify top research priorities related to the environmental effects of surge barriers

- Part 3: Small group and plenary discussions among participants to identify other essential research priorities

3:30 PM Research Funding Needs and Collaboration Opportunities

Identify needs and opportunities for leveraging or finding additional funding for conducting near-term or long-term priority research on estuary effects of surge barriers; consideration of NERRS and other funding sources

3:50 PM Wrap-up, next steps

Review key discussion points and next steps

4:00 PM Adjourn

We invite participants to join after the meeting formally adjourns for the following.....

4:00 - 5:00pm Informal collaboration hour - feel free to stick around, continue conversations and strike up collaborations

**After 5:00pm: No-Host Happy Hour
Yonkers Brewing Company, 92 Main Street, Yonkers**

Directions to the Center for the Urban River at Beczak, 35 Alexander St, Yonkers, NY

CURB is located along the east side of the Hudson River, one block north of Yonkers Train Station. For those driving, there are only 20 free parking spaces at Beczak Center. For those who can carpool or take transit, it is therefore highly encouraged.

By train

Take the Metro North Railroad, Hudson Line or Amtrak and get off the Yonkers Stop. Exit the platform and follow signs to Alexander St (need to go under the tracks towards the water). The center is north of the train station (walk with the tracks to your right).

From the Saw Mill Parkway (heading north towards Yonkers)

1. Take exit 5 (Yonkers Ave. / Yonkers).
2. Make a right at the light and stay straight on Yonkers Ave.
3. Yonkers Ave will turn into Nepperhan Ave.
4. Continue straight through four lights (crossing School St. New Main St., South Broadway, and then Riverdale).
5. After you cross Riverdale, Nepperhan Ave turns into Prospect.
6. Go straight through first stop sign (Hawthorne Ave.).
7. Make a right at second stop sign onto Buena Vista Ave.
8. Go straight through the light (passing the Yonkers Train Station on your left).
9. At second stop sign make a left onto Wells St. (going under the train tracks).
10. Make a right at stop sign onto Alexander St.
11. Beczak will be on the left side of the street.

From the Saw Mill Parkway (heading south towards Yonkers)

1. Take exit 9 (Executive Blvd. – right turn off of Parkway).
2. Take Executive to the end and make a left onto Broadway.
3. Turn right at the first light onto Odell Ave. and take it to the end.
4. Turn left onto Warburton Ave. and continue to Ashburton Ave.
5. Make right onto Ashburton and continue to the end.
6. Turn left onto Alexander Street.
7. The Beczak Center is on the right hand side.

From the Cross County Parkway (heading west towards Yonkers)

1. Exit to Saw Mill River Parkway northbound (to Albany).
2. Follow directions above: *From Saw Mill River Parkway (Heading North towards Yonkers)*

From the NY State Thruway (I-87) / Deegan Expressway, Sprain Parkway, Bronx River Parkway, and Hutchinson River Parkway

1. Exit at the Cross County Parkway westbound
2. Exit to Saw Mill River Parkway northbound (to Albany).
3. Follow directions above: *From Saw Mill River Parkway (Heading North towards Yonkers)*

From the New England State Parkway (I-95)

1. Exit at Hutchinson River Parkway north to the Cross County
2. Exit at the Cross County Parkway westbound
3. Exit to Saw Mill River Parkway northbound (to Albany).
4. Follow directions above: *From Saw Mill River Parkway (Heading North towards Yonkers)*

Expected Attendees

First	Last	Affiliation
Brett	Branco	Brooklyn College
Bennett	Brooks	Consensus Building Institute
Tracy	Brown	Save the Sound
Ziyu	Chen	Stevens Institute of Technology
Matthew	Chlebus	NY-Department of Environmental Conservation
McKenna	Coons	HR-NERR
Richard	Corman	The River Project
Patty	Doerr	The Nature Conservancy NJ Chapter
Frances	Dunwell	NY-Department of Environmental Conservation, HREP
Sarah	Fernald	HR-NERR/NYS-DEC
Stuart	Findlay	Cary Institute for Ecosyst. Studies
James	Fitzpatrick	HDR, Inc
Heather	Gierloff	Hudson River National Estuarine Research Reserve
Tom	Herrington	Monmouth University
Paul	Higgins	Port Authority of NY/NJ
George	Jackman	Riverkeeper
Marcha	Johnson	CCNY
Christina	Kaunzinger	Rutgers
Gregg	Kenney	NYS-DEC
Jeffrey	Levinton	Stony Brook University
Jim	Lodge	Hudson River Foundation
Kristin	Marcell	NYS-DEC
Steve	Mars	USFWS Field Office for NJ
Reza	Marsooli	Stevens Institute of Technology
Mike	McCann	The Nature Conservancy
Kyle	McKay	USACE WEC
Greg	O'Mullan	CUNY Queens College
Yaprak	Onat	Univ. of Connecticut
Philip	Orton	Stevens Institute of Technology
Ryan	Palmer	CURB/Beczak
Adam	Parris	NYC-ORR
Doug	Partridge	Arcadis Inc
Rob	Pirani	NY-NJ Harbor Estuary Program
Chris	Schubert	USGS Water Science Center
Peter	Sheng	University of Florida
Clay	Sherman	NJ DEP Office of Engineering and Construction
Dave	Smith	ERDC Environmental Lab Vicksburg
Amanda	Stevens	NYSERDA
Nava	Tabak	Scenic Hudson
Dana	Tricarico	WCS
Alison	Verkade	NOAA NMFS
Peter	Wepler	USACE New York, Environmental Analysis Branch
Isaac	Wirgin	NYU
Bryce	Wisemiller	USACE New York