

Technical Report for the Delaware Estuary and River Basin

2022



Presented to an advisory committee of the DRBC on June 9, 2021. Contents should not be published or re-posted in whole or in part without permission of DRBC or the presenter.

TREB 2022

~70% of 2017 TREB indicators will be updated

Still working on the logistics, could be more!

All chapters will be getting updates (some bigger than others)

Major revisions to certain chapters (E.g., restoration)

Watersheds & Landscapes

Population, Land Use

Water Quantity & Hydrology

Withdrawals, Groundwater

Water Quality

DO, Nitrogen, PCBs

Sediments

Loads, Dredging

Aquatic Habitats

Tidal Wetlands, Fish Passage

Living Resources

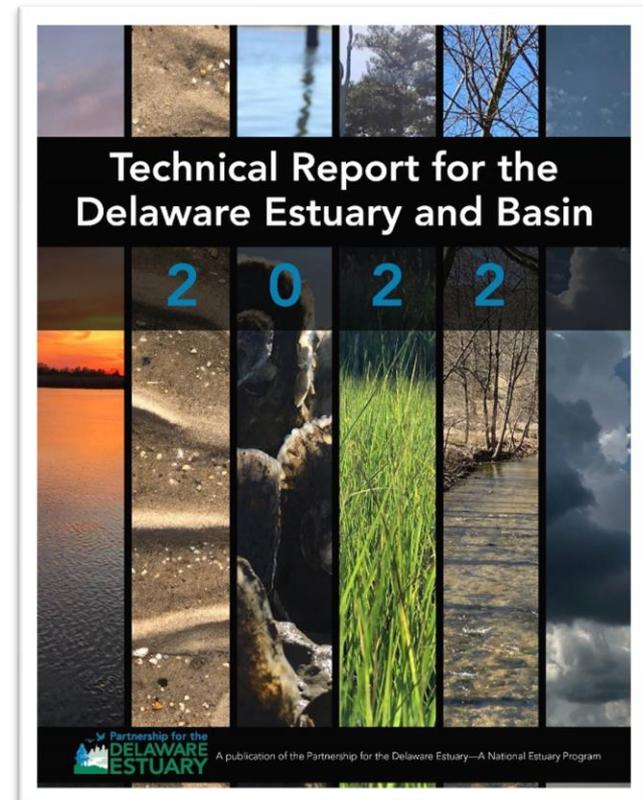
Crabs, Oysters, Macroinverts

Climate Change

Temperature, Precipitation, SLR

Restoration

Acres Restored, Types, Investment



Current leads/volunteers as of 3 June 2021 (thank you!):

- Watersheds and landscapes (Ch 1)
 - UDEL: Andrew Homsey & Jerry Kauffman
 - General help: Kelly Somers
- Water quantity and quality (Chs 2 and 3)
 - DRBC (Namsoo Suk team lead)
 - ***Feature on microplastics (Bransky and Cohen)***
- Sediments (Ch 4) – ***Beth Watson***
- Habitats (Ch 5)
 - Intertidal habitats: LeeAnn Haaf, Alison Rogerson, Metthea Yepsen, Andrew Homsey
 - ***Feature on marsh migration – Rachel Sacatelli***
 - ***Feature on blue carbon – Julie Blum***
 - ***Subtidal habitats: Feature on SAV – Kelly Somers***
- Living resources (Ch 6)
 - ***Lead organizer: Jenny Shinn***
 - Oysters: Daphne Munroe, Jason Morson
 - Feature on aquaculture
 - FW Mussels: Kurt Cheng, Danielle Kreeger
 - General help: Gregory Lech, Sheila Eyler, Ron Heun
- Climate change (Ch 7)
 - Ray Najjar & Andrew Ross
- Restoration (Ch 8)
 - Bart Wilson, Doug Janiec, Josh Moody
- DEIJ audit – Beth Watson + Lin Perez

PDE points of contacts for chapters, proofing, and review processes

Introduction *Danielle Kreeger*

Watersheds and landscapes (Ch 1) *LeeAnn Haaf*

Water quantity and quality (Chs 2 and 3) *Leah Morgan*

Sediments (Ch 4) *LeeAnn Haaf*

Habitats (Ch 5) *LeeAnn Haaf*

Living resources (Ch 6) *Leah Morgan*

Climate change (Ch 7) *LeeAnn Haaf*

Restoration (Ch 8) *Leah Morgan*

DEIJ audit *LeeAnn Haaf*

Peer review *Danielle Kreeger & LeeAnn Haaf*

Proofing and report construction *LeeAnn Haaf & Leah Morgan*



TREB 2022 Timeline

~~Nov-Dec 2020 – Plan contributors and budget~~

~~Jan-Feb 2021 – Contracting and format~~

~~*Jan-Feb 2021 – meetings with various folks contributing to chapters~~

~~*2-9 April 2021 – contracts drafts heading out (DRBC, PSU, UDEL)~~

~~*Still working on finishing contracts as of 3 June 2021~~

April-Nov 2021 – Data gathering & analysis

~~*Steering meeting scheduled for 10 June 2021~~

~~*Share data/drafts across chapters by Dec 31, 2021 (steering group)~~

Dec-Feb 2022 – Draft narratives, sharing

Feb-Mar 2022 – First drafts

Apr-Jun 2022 – Reviewing and final draft

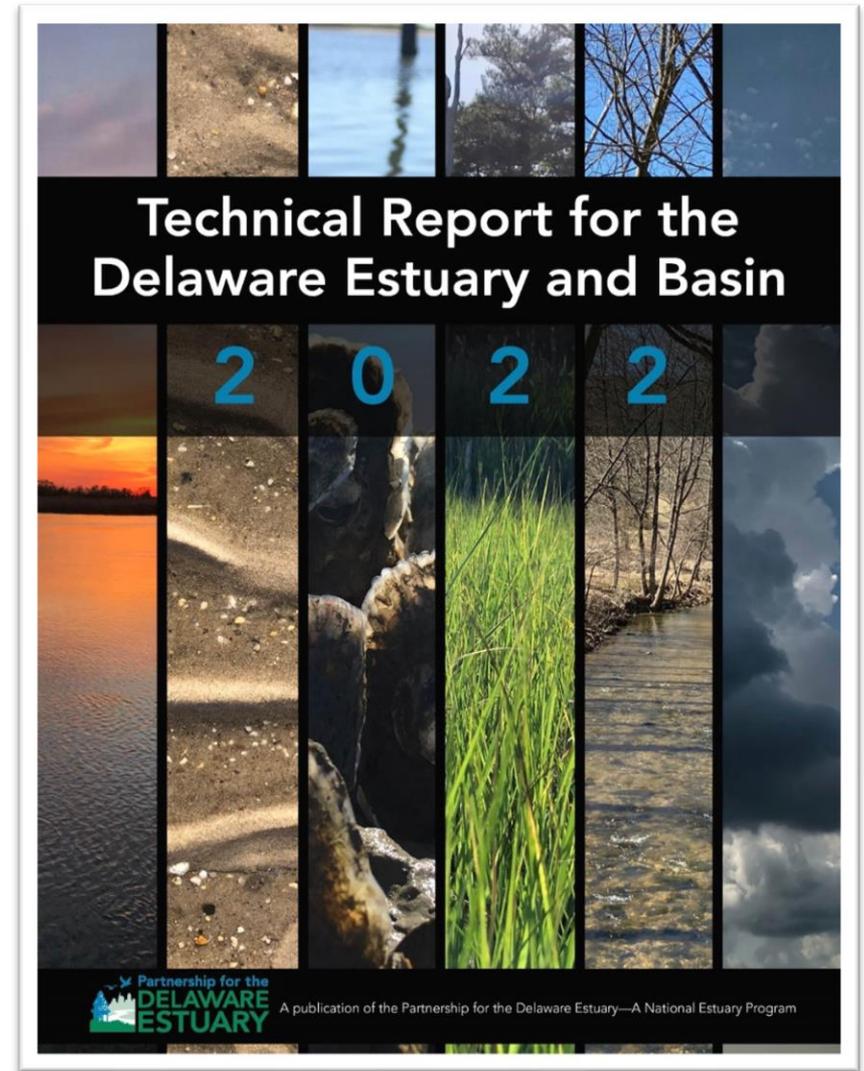
Jun-Nov 2022 – SOE translation of TREB

Photograph request

If you have any photographs you feel might be a great addition to the 2022 TREB (and/or SOE), we'd love to receive them!

Send them to LeeAnn
(lhaaf@delawareestuary.org)

Sending us photos gives us your permission to use them for TREB, please only send photos for which you can give permission. Also, please make sure the photo file name has how you'd like it credited!



Thank You!



Partnership for the
**DELAWARE
ESTUARY**

LeeAnn Haaf
Wetlands Coordinator
lhaaf@delawareestuary.org

Leah Morgan
Science Fellow
lmorgan@delawareestuary.org

Danielle Kreeger, PhD
Science Director
dkreeger@delawareestuary.org

Connecting people, science, and nature for a healthy Delaware River and Bay