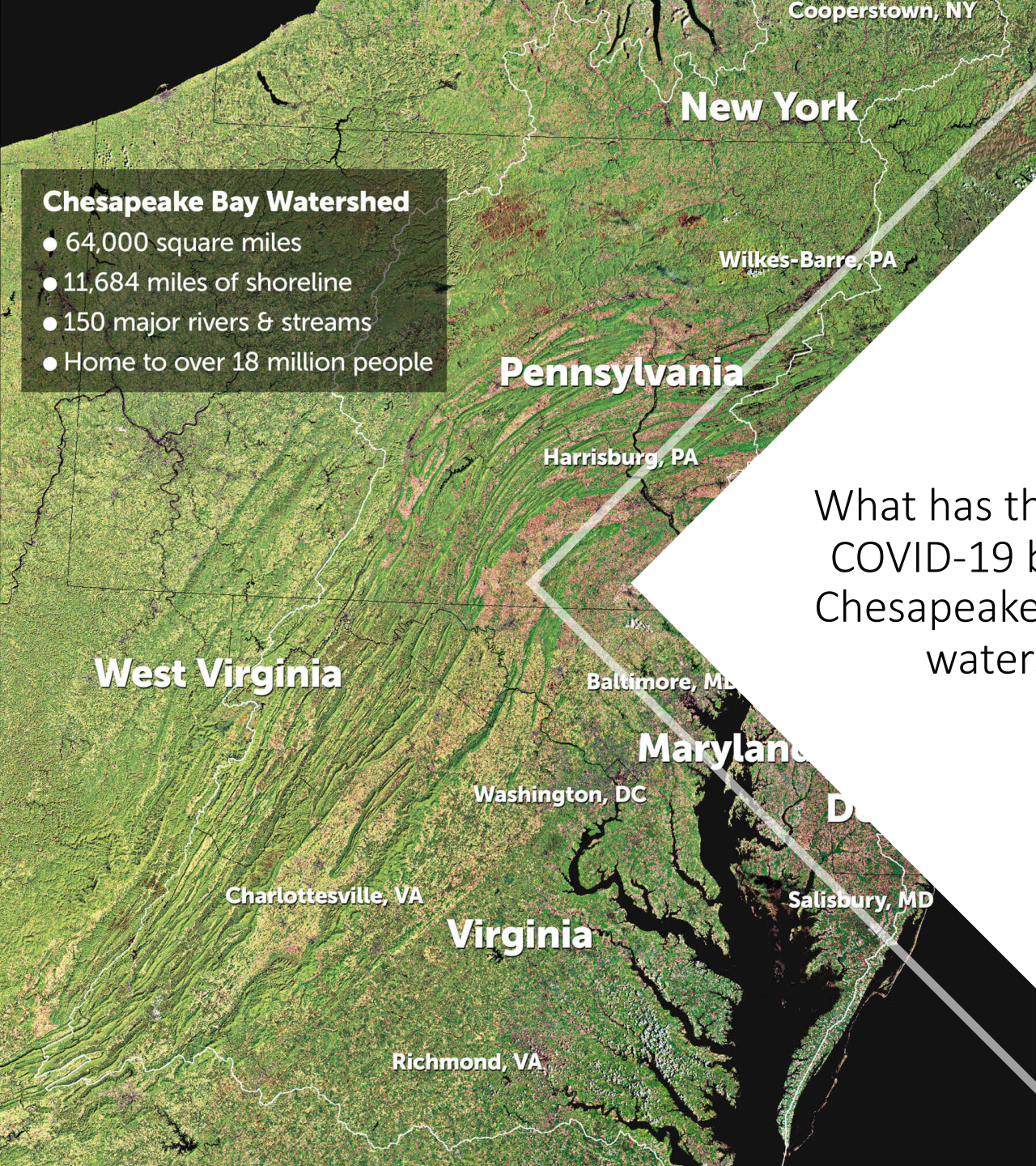


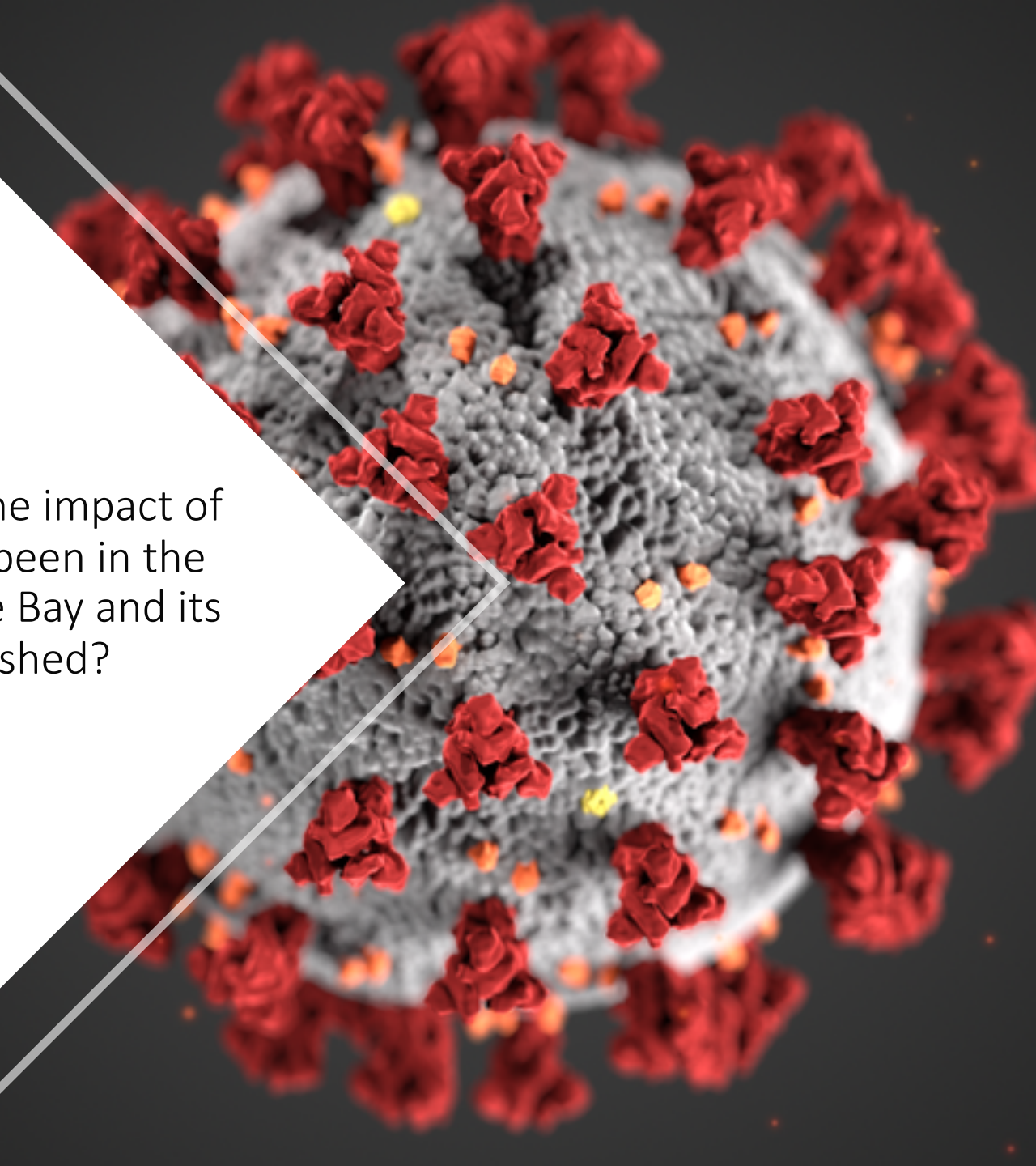
STAC COVID-19 Review + Workshop

Sept. 15, 2020 STAC Meeting Brainstorm Session



- Chesapeake Bay Watershed**
- 64,000 square miles
 - 11,684 miles of shoreline
 - 150 major rivers & streams
 - Home to over 18 million people

What has the impact of COVID-19 been in the Chesapeake Bay and its watershed?



STAC Review/Workshop Process (potential)

Initial
review (now)

- All STAC Brainstorm: what issues do we see? Coordination with others?
- Strategic Gap Analysis- particular issues coming up?

Consultation
(Sept/Oct)

- Coordinate with LGAC, CAC, GITs, etc. (outreach/survey)
- Management Board meeting in September

Deep dive
(Nov/Dec)

- Topic by topic focused series of workshops (2 hours?)
- Stress testing CBP model?

Plenty of COVID-19 impacts & changed dynamics showing up in the news...

COVID-19 disrupts local-level efforts to clean up Chesapeake Bay

https://www.bayjournal.com/news/local_government/covid-19-disrupts-local-level-efforts-to-clean-up-chesapeake-bay/article_0d9a2f2a-f202-11ea-9ad4-033bd56aad3.html

Fisheries in Maryland, Virginia losing millions due to COVID-19 shutdowns

By Chris Chase

May 6, 2020

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Sports Features Entertainment Business Nation / World Obituaries E-Edition Le

MARYLAND

Chesapeake Bay's blue crab industry suffers one-two punch with less seasonal help, virus

Timothy B. Wheeler Bay Journal News Service

Pennsylvania: Some parks are too crowded, please go to these instead

by Frank Kummer, Posted: August 10, 2020

Chesapeake Conservancy Studies Park Mobility During COVID 19

July 22nd, 2020

18 of 25 Metro Areas Experienced Significant Increases in Park Visitation

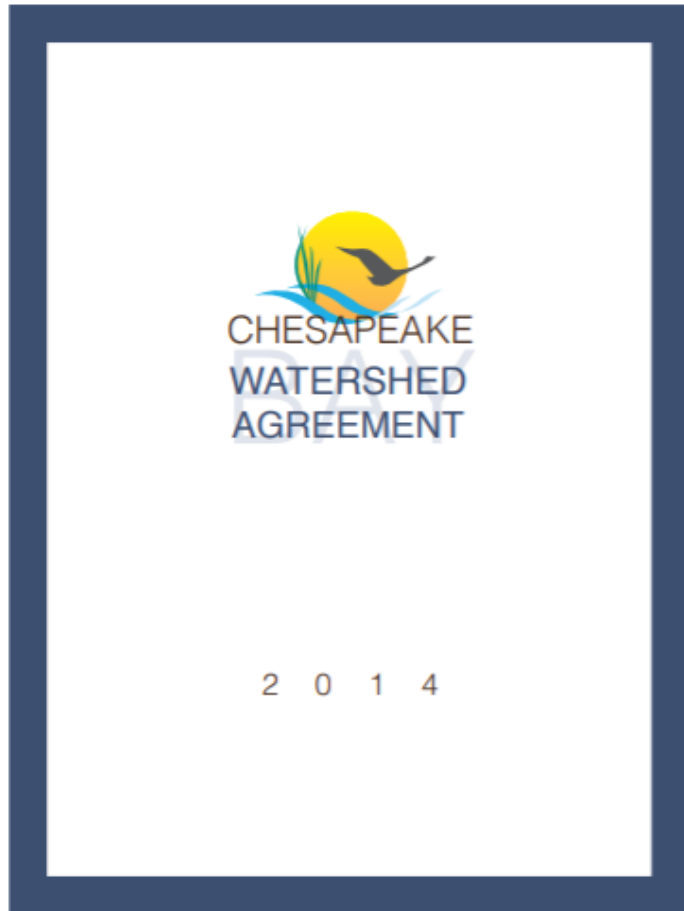
The Philadelphia Inquirer

Are there changes in patterns on how resources are being used by the public or in other watershed related dynamics?

What are you seeing or hearing about?

Brainstorm- type thoughts/ideas into chat function. Wait to hit enter until I say so.

Are there particular goals or outcomes being impacted by COVID-19? What happens if we look systematically at these?

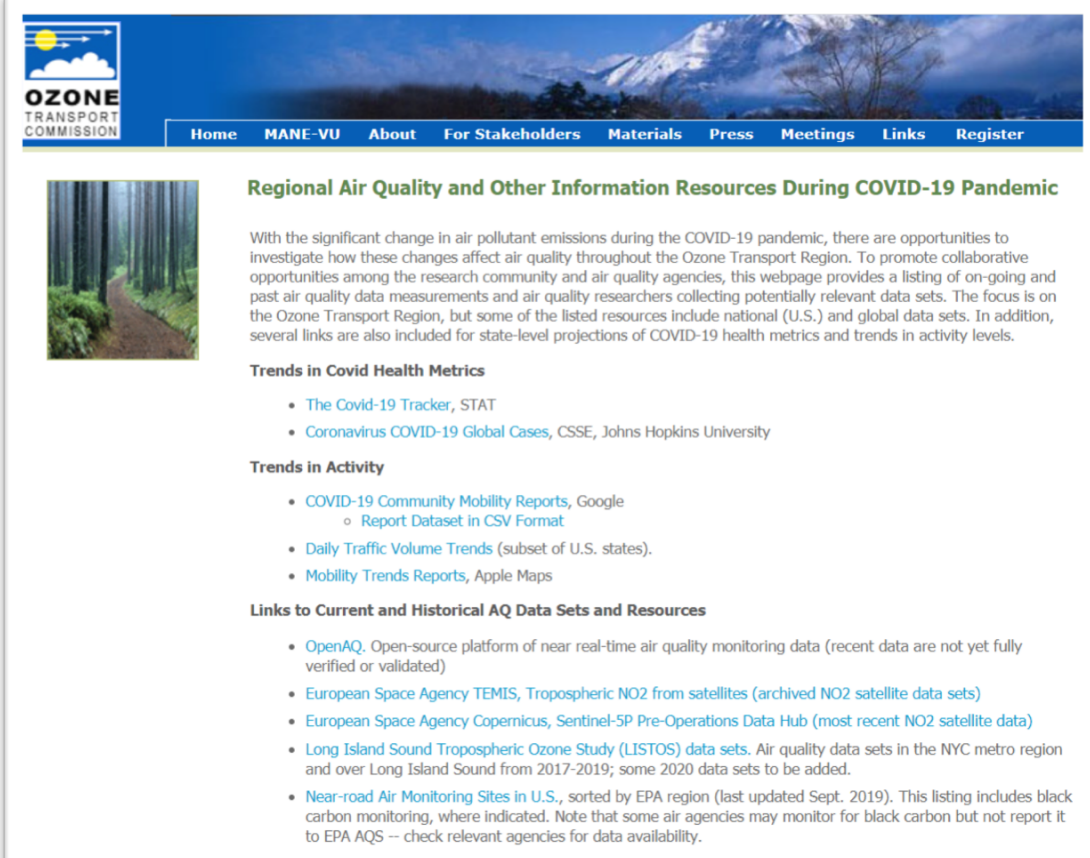


10 goals, multiple outcomes:

1. Sustainable fisheries
2. Vital habitats
3. Water quality
4. Toxic contaminants
5. Healthy watersheds
6. Stewardship (#s, diversity)
7. Land conservation
8. Public access
9. Environmental literacy
10. Climate resiliency

Are there data that has been collected or can be collected now to capture changes in the system?

- Are there time sensitive data that show up given current COVID-impacts?
- Does this information help provide novel insights or help resolve uncertainties that we might be seeing in the Bay/Watershed models?



The screenshot shows the Ozone Transport Commission website. The header includes the logo and navigation links: Home, MANE-VU, About, For Stakeholders, Materials, Press, Meetings, Links, Register. The main content area features a photograph of a forest path and a section titled "Regional Air Quality and Other Information Resources During COVID-19 Pandemic".

OZONE TRANSPORT COMMISSION

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Regional Air Quality and Other Information Resources During COVID-19 Pandemic

With the significant change in air pollutant emissions during the COVID-19 pandemic, there are opportunities to investigate how these changes affect air quality throughout the Ozone Transport Region. To promote collaborative opportunities among the research community and air quality agencies, this webpage provides a listing of on-going and past air quality data measurements and air quality researchers collecting potentially relevant data sets. The focus is on the Ozone Transport Region, but some of the listed resources include national (U.S.) and global data sets. In addition, several links are also included for state-level projections of COVID-19 health metrics and trends in activity levels.

Trends in Covid Health Metrics

- [The Covid-19 Tracker](#), STAT
- [Coronavirus COVID-19 Global Cases](#), CSSE, Johns Hopkins University

Trends in Activity

- [COVID-19 Community Mobility Reports](#), Google
 - [Report Dataset in CSV Format](#)
- [Daily Traffic Volume Trends](#) (subset of U.S. states).
- [Mobility Trends Reports](#), Apple Maps

Links to Current and Historical AQ Data Sets and Resources

- [OpenAQ](#). Open-source platform of near real-time air quality monitoring data (recent data are not yet fully verified or validated)
- [European Space Agency TEMIS](#), Tropospheric NO2 from satellites (archived NO2 satellite data sets)
- [European Space Agency Copernicus, Sentinel-5P Pre-Operations Data Hub](#) (most recent NO2 satellite data)
- [Long Island Sound Tropospheric Ozone Study \(LISTOS\) data sets](#). Air quality data sets in the NYC metro region and over Long Island Sound from 2017-2019; some 2020 data sets to be added.
- [Near-road Air Monitoring Sites in U.S.](#), sorted by EPA region (last updated Sept. 2019). This listing includes black carbon monitoring, where indicated. Note that some air agencies may monitor for black carbon but not report it to EPA AQS -- check relevant agencies for data availability.

Are there key topics that we review/discuss in a deeper dive as part of a workshop?

Are there key topics that we review/discuss in a deeper dive as part of a workshop?

- Fisheries = key topic
- What else?

Part of the review: what can we learn from other regions or discussions?

The screenshot shows a web browser window with the URL ices.dk/events/webinars/Pages/webinar_2020.aspx. The website header includes the ICES CIEM logo, navigation links (News, Events, Calendar, Library, SharePoint login, Admin), a search bar, and a main menu (ABOUT ICES, SCIENCE, DATA, ADVICE, JOIN US). A secondary menu lists 'Annual Science Conference (ASC)', 'Science symposia', 'Training courses', 'Webinars', and 'Meeting calendar'. The main content area features a large orange banner with the word 'WEBINARS' in white. Below this, a section titled 'ICES reflections' is highlighted with a dotted line. The text reads: 'Join us for our September webinar! ICES reflections: Understanding the impacts of the COVID-19 pandemic on fisheries, markets, communities, and management. Wednesday 16 September 16:00–17:30 CEST'. To the right, there are social sharing icons for Print, Email, Facebook, Twitter, and LinkedIn. A graphic for the webinar is also shown, featuring the text 'ICES PRESENTS reflections WEBINAR ON COVID-19 IMPACTS 16 September 2020' over a background of teal dots.

ices.dk/events/webinars/Pages/webinar_2020.aspx

ICES CIEM

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WEBINARS

› ICES reflections

Join us for our September webinar!

ICES reflections:
Understanding the impacts of the COVID-19 pandemic on
fisheries, markets, communities, and management

Wednesday 16 September
16:00–17:30 CEST

Print it Send to Share it

ICES PRESENTS
reflections
WEBINAR ON COVID-19 IMPACTS
16 September 2020

Other questions? Thoughts? Ideas?

Next step: review + outreach + management board

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review (now)

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