

CHESAPEAKE BAY PROGRAM LAND USE WORKGROUP

Meeting Minutes

September 21st, 2022

1:00 PM – 3:00 PM

[Meeting Materials](#)

Actions and Decisions

Decision: The LUWG approved the June [meeting minutes](#).

Action: Jackie Pickford, Staffer, will provide an update via email once projects are selected for the FY22 GIT Funding cycle.

Action: The Chesapeake Conservancy will distribute instructions on October 3rd for the 2017/18 land use dataset review process and feedback application. The review period will last from Oct 3rd to Oct 31st, 2022.

Action: Members are encouraged to conduct a review and/or invite local partners to conduct the review so a list of priorities can be developed. USGS and CIC will prioritize fixes and discuss updates at the December/March meeting.

Action: Peter Claggett, Coordinator, will present on the updates made to the Land Use Methods and Metrics Development Outcome Indicator at a future meeting.

1:00 Welcome, Roll Call, Review of Meeting Minutes, Action Item Update – KC Filippino, Hampton Roads Planning District Commission (10 min).

Announcements:

- **Decision:** The LUWG approved the June [meeting minutes](#).
- GIT funding proposals
- Moving forward: LUWG Quarterly Meetings
- **Next Meeting:** Wednesday, December 7. Timing TBD.
 - Potential combined meeting with Forestry WG.

Action: Jackie Pickford, Staffer, will provide an update via email once projects are selected for the FY22 GIT Funding cycle.

1:10 Timeline/workplan/process of 2021/22 dataset – Katie Walker, Chesapeake Conservancy (30 min).

Katie reviewed the timeline for the 2021/2022 dataset.

Discussion

KC Filippino: What is the “2022 Edition”? The naming system is confusing.

Katie Walker: The “2022 Edition” refers to the updated 2017/18 and 2013/14 datasets we released in 2022. In 2024, we will be releasing updated versions of the 17/18, 13/14 and the 21/22 dataset, which we refer to as the “2024 edition”.

Arianna Johns (in chat): I am very confused by that naming and versioning system, too.

KC Filippino: You're doing everything state by state as you process the data, rather than producing the 14 prototype counties initially?

Katie Walker: Yes.

KC Filippino: Where are the other jurisdictions in the timeline?

Katie Walker: I didn't include the other states. I only added Delaware here because the data is already available. When we start to process Delaware's land cover data, we'll get a better idea of how long it will take. It will be an iterative process with the other states, depending on when the data's released. Delaware, Maryland and Virginia data will likely be produced first.

Peter Claggett: I thought we'd be able to provide members with the chance to review every jurisdiction as it's done?

Katie Walker: Yes. We are going to be doing that but it's on a rolling basis in 2023. I won't have that until I know what the production timeline will be after DE.

Peter Claggett: Let's add a line in the schedule for the rolling local review as a placeholder.

Deb Sward: can you define stakeholder as "counties/LUWG" in the chart?

Katie Walker: Yes.

Deb Sward: Would the review of the 20/21 data inform the 2024 edition?

Katie Walker: It depends on the schedule of the rolling basis. We'll have a fatal flaw review that will inform future iterations at the end of production. We'll let you know when that will be.

KC Filippino: When are the remaining jurisdictions' data expected to be released?

Katie Walker: We don't know. We probably won't get Pennsylvania, New York, or West VA data until later in 2023.

Peter Claggett: Internally we have a list of things to priorities that we want to fix. Maybe we can present to the LUWG on our list at a future meeting and get feedback on your priorities.

Action: Members are encouraged to conduct a review and/or invite local partners to conduct the review so a list of priorities can be developed. USGS and CIC will prioritize fixes and discuss updates at the December/March meeting.

1:10 Initial review of 17/18 dataset and survey/process for feedback - Jacob Czawlytko, Chesapeake Conservancy (30 min).

Jacob reviewed the 2017/18 land use land cover review process ("2022 edition"). The purpose of this process will be to receive stakeholder feedback, identify errors in land use classifications, and use the results to inform model revisions. Jacob presented a live demo of the application that will be used for the feedback process, which will be released on October 3rd. The review process will begin Oct 3rd and end Oct 31st.

Discussion

KC Filippino: If we have ancillary data that will help better inform land use modeling, should we put it in the "notes" section?

Jacob Czawlytko: Yes, add it in the notes section and send us an email. We want to identify systematic errors that we might be able to address with additional ancillary data.

Mindy Neil: if we notice something that doesn't seem accurate but isn't a systematic error, should we mark it or just ignore it?

Jacob Czawlytko: Mark everything.

Katie Walker: The Conservancy will start reviewing the data from November into early January. Our team will then be mining the data and finding ways to adjust the data based on the feedback.

Mark Symborski: Can we review in multiple sessions within the month of October? Can multiple people provide comments?

Katie Walker: Yes to both. Just include the individual reviewer name in the application in case we need clarification.

Action: The Chesapeake Conservancy will distribute instructions on October 3rd for the 2017/18 land use dataset review process and feedback application. The review period will last from Oct 3rd to Oct 31st, 2022.

1:40 Intro to Accuracy assessment for 17/18 dataset - Jacob Czawlytko, Chesapeake Conservancy (25 min).

Jacob gave a high-level overview of the accuracy assessment for the 2017/2018 land cover change product. The accuracy assessment will be used to inform future iterations of the data as well as future accuracy assessments. The expected timeline is as follows:

- Sep - Nov 2022: develop code to generate sample points
- Nov - Dec 16, 2022: perform accuracy assessment
- Jan 2023: draft white paper

Discussion

Peter Claggett: Are you classifying all 28,000 points now?

Jacob Czawlytko: Yes.

KC Filippino: These are random pre-selected points in areas where change was detected and also not detected? Is this watershed wide?

Jacob Czawlytko: Yes, but they are not completely random. They will be watershed wide and selected in areas where change was detected and not detected.

Peter Claggett: Will this include all 206 counties?

Jacob Czawlytko: Yes.

KC Filippino: What is considered a “good” accuracy?

Jacob Czawlytko: Ideally, we want 100% but that’s impossible. I would say anything over 90% would be great.

2:30 Feedback on GIT Funding Proposal: Community Response to Land Use Change - Jake Solyst (15 min).

Jake gave a brief overview of the GIT funding proposal “*Community Response to Land Use Change*” that will be submitted under Land Use Methods and Metrics Development Outcome. The purpose of this project is to use the high-resolution land use/land cover and change data, forecasts of future urbanization, and publicly available decision support tools to identify communities throughout the Chesapeake Bay watershed where valued habitats and species are at risk of degradation in order for communities to better understand the management actions that can be applied to protect and enhance these natural resources.

Discussion

KC Filippino: What size communities?

Jake Solyst: I don’t think we’ve decided. That’s a good question.

KC Filippino: Where are the forecasts of future urbanization coming from?

Peter Claggett: From the Chesapeake Bay Land Change Model.

Dave Montali: Don't leave out WVA when talking about brook trout.

Cassie Davis (in chat): NY has brook trout too :)

Peter Claggett: Another aspect of this is taking programmatic concerns that we have and making them relatable at the local level. The protection for Black Duck could help them achieve other goals that are important to them.

KC Filippino: I recommend looking at existing watershed restoration groups for the community outreach portion and see how they've done it in the past. Lots of these groups do this process regularly and may have valuable insight.

Cassie Davis: Maybe we could include this data/ information on the data dashboard?

Jake Solyst: Thanks, I'll bring that suggestion back to the group.

2:45 **Update on Land Use Methods and Metrics Development Outcome Indicator (15 min)**

The LUMM Outcome focuses on impervious surface change, forest conversion, farmland conversion, and wetland conversion to development. This Fall, we'll develop an impervious surface indicator and release it on Chesapeake Progress. We need more historical data to identify forest and farmland conversion, so we will wait until next year to develop those indicators. We're also developing an indicator for the Tree Canopy Outcome named "Community Tree Cover". We'll constrain the geography to census-defined urban areas to determine how much tree cover was there in 2013 and how much has changed.

Action: Peter Claggett, Coordinator, will present on the updates made to the Land Use Methods and Metrics Development Outcome Indicator at a future meeting.

3:00 Meeting Adjourned

Meeting Chat

From Irina Beal, WeConservePA to Everyone 01:03 PM

WeConservePA's GIS & Mapping page + Resources: <https://weconservepa.org/gis/>

From Mindy Neil, WVDEP to Everyone 01:06 PM

WV currently has two contracts to update NWI mapping. I believe the Eastern Panhandle is part of those contracts. Those NWI update projects are being funded through CB wetland grants.

From Lisa Beatty, PA DEP to Everyone 01:20 PM

Hi. I am back from leave. If Chesapeake Conservancy / USGS needs any update to wetland records from PA DEP please let me know. Also we are starting to partner with Turnpike Commission and they are doing a solar panel initiative. So perhaps getting that data to Chesapeake Conservancy / USGS. Just let me know and you can follow up with me via email at elbeatty@pa.gov

From Arianna Johns to Everyone 01:24 PM

I am very confused by that naming and versioning system

From Cassandra Davis, NYS DEC to Everyone 01:37 PM

Looks really nice!

From Cassandra Davis, NYS DEC to Everyone 02:36 PM

NY has brook trout too :)

From Jacob Czawlytko to Everyone 02:37 PM

Where was that great brook trout spot? :)

From Cassandra Davis, NYS DEC to Everyone 02:44 PM

<https://gis.chesapeakebay.net/wip/dashboard/>

Link to the Data Dashboard (Beta)

Participants

Jackie Pickford, CRC

Peter Claggett, USGS

KC Filippino, HRPDC

Katie Walker, CC

Sarah McDonald, USGS

Jacob Czawlytko, CC

Allie Wagner, NVRC

Arianna Johns, VA

Cassie Davis, NYSDEC

Dave Montali, WV

Deb Sward, MDP

Erik Fisher

George Onyullo, DOEE

Gopal Bhatt

Helen Golimowski, Devereux Consulting

Irina Beal, WeConservePA

Jake Solyst, Alliance for the Chesapeake Bay

Jeff Sweeney, EPA

Katie Brownson, USFS

Ken Choi, MDP

Lisa Beatty, PA DEP

Lori Mae Brown, DNREC

Mark Dubin, UMD CBPO

Mark Symborski, M-NCPPC

Mindy Neil, WVDEP

Nicole Christ, MDE

Norm Goulet, NVRC

Patrick McCabe, Chesapeake Conservancy

Labeeb Ahmed, USGS

Renee Thompson, HWGIT

Samuel Canfield, WVDEP

Shannon McKenrick, MD

Travis Stoe, PADEP

Tree Zuzzio, DCED

Young Tsuei, DOEE