

QUARTERLY PROGRESS MEETING FOLLOW-UP –
December 10, 2020
Chesapeake Bay Program



Climate Resiliency

*Mark Bennett,
USGS
Climate Resiliency Workgroup
Chair*



Help Needed (Revised for today's discussion)



- **CRWG Capacity** – How can Management Board help CRWG meet objectives of two climate resilience outcomes – current staff resources make it challenging to work on both outcomes, support other CBP workgroup climate-related activities, and respond timely to new requests.
- Bay-Wide Climate Resilience Scorecard – identify **potential stakeholders to participate in virtual feedback meetings**

Through the Chesapeake Bay Watershed Agreement, the Chesapeake Bay Program has committed to...



Goal: Climate Resiliency

Outcome: Monitoring & Assessment

Continually monitor and assess the trends and likely impacts of changing climatic and sea level conditions on the Chesapeake Bay ecosystem, including the effectiveness of restoration and protection policies, programs and projects.



Outcome: Adaptation

Continually pursue, design, and construct restoration and protection projects to enhance the resiliency of Bay and aquatic ecosystems from the impacts of coastal erosion, coastal flooding, more intense and more frequent storms and sea-level rise.



Based on what we learned, we plan to ...

Workgroup Capacity:

- **Streamline work plan** – identify priorities under each climate resiliency outcome that CRWG will take the lead on
 - E.g., Bay-Wide Climate Resilience Scorecard, BMP climate resilience research coordination, exploration of blue carbon strategies.
- Support GITs from an **advisory** capacity – clearly define CRWG role in other projects
 - E.g., cross-workgroup climate indicators, data synthesis to inform adaptation
- **Get additional staff support for CRWG** or narrow work plan focus more
- Develop **charter** that describes **workgroup's role, membership expectations, and operating principles**



Based on what we learned, we plan to ...

Monitoring and Assessment: Develop Climate Indicators that Inform Adaptation:

- Assist other workgroups with climate impact indicators
 - Develop Bay Water Temperature Change Indicator – connect with fish impacts
 - Update Stream Temperature Change Indicator – connect with Healthy Watersheds and brook trout habitat





**Based on what we
learned, we plan to ...**

Adaptation:

- Support **data synthesis** projects that will help inform **adaptation strategies** and decision-making
- Seek out **funding strategy** to support PSC-requested **BMP climate resilience research**
- Support development of 1 - 2 proposals from **external funding sources** that would allow for better climate adaptation plans
- Explore possible STAC workshop to **increase understanding** of science gaps for **finance strategies** to work
 - Potential funding avenue for climate resilience projects (blue carbon – marshes, wetlands, SAV)