CBP Agreement

STAC

Recommendations

Accountability

- "**Why** should we do this?"

- "**Why** should we keep doing this?"

Adaptive Management

1. know what the goal is
2. develop a strategy
3. monitor response
4. assess
5. adapt

Its all about dealing effectively with

uncertainty

SMART goals

- **S**pecific
- **M**easurable
- **A**ttainable
- **R**isk-informed
- **T**ime-bound

Vital Habitats

Goal: Restore, enhance, and protect a network of land and water habitats to support high-priority species and to afford other public benefits, including water quality, recreational uses, and scenic value across the watershed.

Vital Habitats

Why?

Goal: Restore, enhance, and protect a network of land and water habitats to support high-priority species and to afford other public benefits, including water quality, recreational uses, and scenic value across the watershed.

- **S**pecific

Vital Habitats

Goal: Restore, enhance, and protect a network of land and water habitats to support high-priority species and to afford other public benefits, including water quality, recreational uses, and scenic value across the watershed.

- **S**pecific

Vital Habitats

- wetlands
- stream health
- fish passage
- SAV
- forest buffer
- tree canopy

Vital Habitats

Wetlands Outcome: Create or re-establish 85,000 acres of tidal and non-tidal wetlands and enhance function of an additional 150,000 acres of degraded wetlands by 2025. These activities may occur in any land use (including urban) but primarily occur in agricultural or natural landscapes.

- **M**easurable
- **A**ttainable

Vital Habitats

- ***Wetlands Outcome:*** **Create or re-establish 85,000 acres** of tidal and non-tidal wetlands and **enhance function of an additional 150,000 acres** of degraded wetlands **by 2025**.

Vital Habitats

Why?

Goal: Restore, enhance, and protect a network of land and water habitats to support high-priority species and to afford other public benefits, including water quality, recreational uses, and scenic value across the watershed.

Vital Habitats

- ***Wetlands Outcome:*** **Create or re-establish 85,000 acres** of tidal and non-tidal wetlands and **enhance function of an additional 150,000 acres** of degraded wetlands **by 2025**.

science basis ?

- **there is no known acreage threshold** for attaining the habitat, water quality, recreational, or scenic values desired

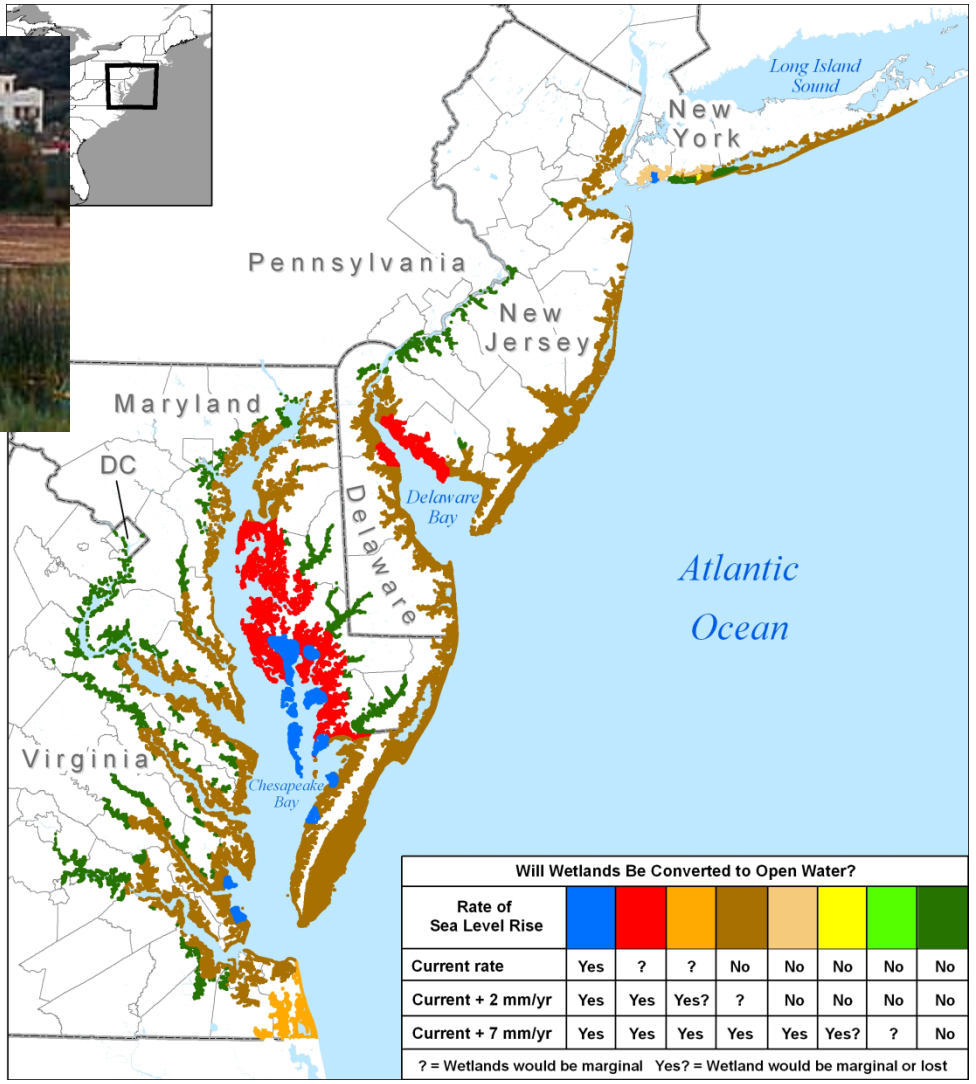
- **M**easurable
- **A**ttainable

STAC recommendation

- ***Wetlands outcome:*** **Continual increase** in the capacity of wetlands to provide water quality and habitat services throughout the watershed.

- **R**isk informed

impacts of a changing system



Will Wetlands Be Converted to Open Water?								
Rate of Sea Level Rise								
Current rate	Yes	?	?	No	No	No	No	No
Current + 2 mm/yr	Yes	Yes	Yes?	?	No	No	No	No
Current + 7 mm/yr	Yes	Yes	Yes	Yes	Yes	Yes?	?	No

? = Wetlands would be marginal Yes? = Wetland would be marginal or lost

- **R**isk informed

STAC recommendation

- Potential management strategies:
  - monitoring to estimate capacity to provide water quality and habitat services
  - protocols for creating, re-establishing, or enhancing water quality and habitat functions
  - programs to protect and conserve existing wetland service capacity
  - **Assess effectiveness of efforts in the context of a changing system**

- **T**ime-bound

Vital Habitats

- ***Wetlands Outcome:*** Create or re-establish 85,000 acres of tidal and non-tidal wetlands and enhance function of an additional 150,000 acres of degraded wetlands **by 2025**.

- **T**ime-bound

STAC recommendation

- ***Wetlands outcome:*** **Continual increase** in the capacity of wetlands to provide water quality and habitat services throughout the watershed.

CBP expressed intentions

- **Accountability**
  - fully justified
- **Adaptive management**
  - deal effectively with uncertainty

1 Accountability ≠ counting

numeric targets are inappropriate

- imply a certainty about system response that does not exist
- convey the impression that there is a management effort endpoint

2 Adaptive Management

1. know what the goal is
2. develop a strategy
3. monitor
4. assess
5. adapt

- **S**pecific
- **M**easurable
- **A**ttainable
- **R**isk-informed
- **T**ime-bound

3 Water Quality - Toxics

Outcome: Practices and controls are in place that keep toxic compound loads below levels that impact the health of aquatic systems and human users