Integration of STAC Recommendations

Breck Sullivan (CRC)

Annabelle Harvey (STAC)

Steps in Progress:

Integrating 2014 – 2017 STAC recommendations

Integrating 2019 STAC recommendations

Identifying gaps in the science prioritization list from the STAC recommendations

- Categorizing the recommendations (science, policy, communication)

Example of Recommendation:

- "**Improve simulation-modeling capabilities**: Most rainfall-runoff simulation modeling applications that estimate hydrologic flows and pollutant loadings are not yet able to address a wide range of *uncertainty related to climate change, extreme weather patterns, or other future conditions*."

Examples of Recommendation: Science Gaps:

- "Mitigation efforts either for **legacy sediment** or for other upland sources should focus first and foremost on the content of biologically available nutrients. The highest nutrient concentrations are typically found in modern agricultural soils and in sediment eroded from those soils. More research is needed to characterize biologically available nutrient content of legacy sediments and other sediment sources contributing to loads at tidewater."

- "Develop predictive models to quantify the relative contribution of **boat wake induced erosion** to overall shoreline erosion to inform water quality, habitat restoration, and shoreline protection management strategies ."

Example of Policy Recommendation:

- "**Advance programmatic practices, legal, and regulatory tools**. Looking beyond the Midpoint Assessment and Phase III WIPs, a roadmap for **moving from science to policy to regulation** should be developed. For urban BMPs, siting and design principles need to be integrated into regulations and standards. For agricultural and forestry sectors, implementation is more voluntary as climate change considerations are addressed through resource management practices. For all sectors, however, workshop participants recommended the use of programmatic or regulatory incentives to promote implementation of projects beyond minimum standards."

Next Steps:

Reaching out to staff to check if certain recommendations have already been completed.

Review CBP Responses to STAC Reports to identify recommendations the CBP has accepted.

Providing a format to show all the STAC recommendations connecting with a science need.

Requested Action: If a GIT would like to, they may look over their corresponding STAC recommendations. If there are any concerns, contact Annabelle or Breck to fix it.