Accessing Uncertainty in the CBP Modeling System

- Lead: James Davis-Martin (VADEQ)
- STAC Representative(s): Marjy Friedrichs (VIMS)
- Requested Budget: $7,500
- Timeframe:
  - Fall / Winter 2015
  - 2 days

Develop approaches to assess uncertainty in the suite of CBP models to support the Mid-Point Assessment of the TMDL

Characterization of Critical Fish Habitat Areas in the Chesapeake: Targeting Effective Restoration and Conservation

- Lead: Jennifer Greiner (FWS)
- STAC Representative(s): Tom Ihde (ERT), Lisa Wainger (UMCES)
- Requested Budget: $6,000
- Timeframe:
  - Late Summer 2015
  - 2 Days

Identify the most feasible methods to identify, map, and prioritize habitat integral to fish populations throughout the Chesapeake Bay system. Final objectives will be tailored to support the Fish Habitat MS

Comparison of Shallow Water Models for Use in Supporting Chesapeake Bay Management Decision-making

- Lead: Marjy Friedrichs (VIMS)
- Requested Budget: $5,000
- Timeframe:
  - Fall / Winter 2015
  - 1.5 days

Convene a meeting with experts in the field of shallow water modeling to discuss the early results of the shallow water model comparison effort

Conowingo Infill Influence on Chesapeake Water Quality

- Lead: Lewis Linker (EPA-CBPO)
- STAC Representative(s): Bob Hirsch (USGS), Carl Friedrichs (VIMS), Kathy Boomer (TNC)
- Requested Budget: $8,000
- Timeframe:
  - January – March 2016
  - 2 days

Plan and discuss how to best integrate the latest research and monitoring findings from the Conowingo with the CBP monitoring and decision-making tools in response to the LSRWA

Enhancing Capacity to Support the Chesapeake Agreement Outcome though Increased Integration of Regional Science and Management Efforts

- Lead: Carl Hershner (VIMS)
- Requested Budget: $3,500
- Timeframe:
  - Two 1-day sessions (Summer 2015 / Fall 2015)

Develop approaches to increase capacity for CBP-GITs to build upon, and better integrate, the efforts of science and management partners to more effectively carry out MS for the Bay Agreement outcomes

Innovative Approaches to Monitoring: Adopting Emerging Technologies for Chesapeake Bay Monitoring

- Lead: Nick Nidzieko (UMCES)
- STAC Representative(s): Carl Friedrichs, Marjy Friedrichs (VIMS)
- Requested Budget: $9,500
- Timeframe:
  - Winter 2015 / Spring 2016
  - 2 days

Develop a prototype monitoring system for Chesapeake Bay that leverages existing and emerging autonomous technologies

Integrating and Leveraging Monitoring Networks to Support the Assessment of Outcomes in the New Bay Agreement

- Lead: STAR
- STAC Representative(s): Kathy Boomer (TNC), Peter Kleinman (USDA)
- Requested Budget: $9,500
- Timeframe:
  - Early Fall 2015
  - 2 days

Develop approaches and recommendations on how to leverage existing CBP and partner monitoring networks, filling gaps, and creating efficiencies for measuring and reporting on Bay Agreement outcomes

Optimization for TMDL Implementation Planning

- Lead: James Davis-Martin (VADEQ)
- STAC Representative(s): Lisa Wainger (UMCES)
- Requested Budget: $9,500
- Timeframe:
  - Winter 2015 / Spring 2016
  - 2 days

Explore alternative optimization techniques for use in potential decision-support tools to develop optimized implementation plans for the TMDL and broader Bay Agreement goals

Pursuing Pollution Prevention in the Chesapeake Bay: The Emerging Impact of Microplastics on the Ecosystem

- Lead: Ann Swanson (CBC)
- STAC Representative(s): Lara Fowler (PSU), Kirk Havens (VIMS), Kevin Sellner (CRC)
- Requested Budget: $11,000
- Timeframe:
  - Late Summer 2015
  - 2 Days

Identify sources of microplastics in the Chesapeake Bay, known impacts on aquatic life and human health, data gaps, and policy actions that have/could be taken to reduce introductions of microplastics into the Bay

Scientific and Technical Assessment & Reporting Seminar Series

- Lead: STAR
- STAC Representative(s): Kirk Havens (VIMS), Kevin Sellner (CRC)
- Requested Budget: $3,000

Support Chesapeake Bay Seminar Series (STAR/STAC) which provide concise, thought-provoking ideas relating to Chesapeake Bay science and management

Status of High Resolution PCB Monitoring in Chesapeake Bay Watershed and Recommendations for Enhanced Use

- Lead: Greg Allen (EPA)
- STAC Representative(s): David Sample (VT)
- Requested Budget: $7,500
- Timeframe:
  - Fall 2015

Identify the status of current science on PCB monitoring and monitoring programs across the Bay watershed, with focus on challenges and options for changing standard methods used in PCB testing

The Development of Standardized Climate Projections for Use in Chesapeake Bay Program Assessments

- Lead: Mark Bennett (CWG)
- STAC Representative(s): Ray Najjar (PSU), Susan Julius (EPA), Zach Easton (VT), Chris Pyke (GRESB)
- Requested Budget: $7,000
- Timeframe:
  - January – March 2016
  - 2 days

Discuss best practices for climate change to be represented in simulation models of the Bay and its watershed, and other assessment tools that may be utilized to project the impact of climate on goals and outcomes