Goal Team	SRS Outcome	Need
Sustainable Fisheries	Fish Habitat	Potentially modify current BMP matrix to focus on habitat conditions
	Fish Habitat	ID healthy habitat criteria
	Fish Habitat	ID spatial tools and datasets to map ranges and stressors
	Fish Habitat	Convert fish and habitat survey data to spatial datasets
	Fish Habitat	Explore options for monitoring programs to cover range of species
	Fish Habitat	Determine feasibility of phytoplankton and zooplankton monitoring
	Fish Habitat	Develop shallow water monitoring survey proposal for gaps
	Fish Habitat	Pair WQ data with living resources data
	Fish Habitat	Improved fish habitat maps
	Oysters	Shoreline indicator development
	Oysters	Oyster monitoring
	Forage Fish	Shoreline threshold analysis - GIT funded project
	Forage Fish	Shallow water monitoring plan that can incorporate monitoring needs of other outcomes
	Forage Fish	Forage fish indicator
	Blue Crab Abundance	None
	Blue Crab Management	None
Habitat	Stream Health	Cross-GIT collaboration on monitoring efforts (e.g. eDNA, GIT project funding)
	Stream Health	Stream Health: Input for indicator development beyond Chessie BIBI
	Stream Health	Stream Health: support for reporting progress for Chessie BIBI
	Stream Health	Stream Health: interaction with Healthy Watershed GIT tracking current status of streams
	Stream Health	Stream Health: The relations between implementing practices to reduce nutrient and sediment and improving stream health conditions.
	Stream Health	Stream Health/Fish Habitat: Relation between stream habitat, water temperature to brook trout and other important recreational species (such as small mouth and largemouth bass).
	Stream Health	Stream Health/Fish Habitat?: The effect of toxic contaminants, bacteria, and parasites on freshwater fish populations and implications for human consumption.
	Stream Health	Stream Health: Relation of streambank stability and erosion rates and impacts on sediment loads and fish habitats
	Brook Trout	Cross-GIT collaboration on monitoring efforts (e.g. eDNA, GIT project funding)
	Brook Trout	Brook Trout: funding for brook trout monitoring
	Brook Trout	Brook Trout: New Indicator (3-5 year occupancy census)
	Brook Trout	Brook Trout: Expand spatial-temporal groundwater model to rest of Chesapeake Bay Watershed to predict groundwater influence in headwater streams.
	Wetlands	Prioritize using existing data
	Wetlands	Wetland: Expand USC wetland mapping model
	Wetlands	Wetland: QA/QC of wetland data
	Black Duck	New black duck indicator: new baseline, acreage target

	Black Duck	Black Duck: Development of habitat-based indicator
	Fish Passage	None
Water Quality	Toxics Policy/Prevention	PCB consortium
	Toxics Research	Take toxic workgroup's findings into account in WQGIT sector workgroups
	Toxics Research	Inventory mercury data and potential for trend analyes
	2017/2015 WIPs	Determine cost and timeline for updating CAST BMP cost info
	Standards Attainment and Monitoring	Further analyses comparing expected trends in Bay water quality and watershed
	Standards Attainment and Monitoring	WQ Criteria Attainment patterns summary
	Standards Attainment and Monitoring	Update in patterns in WQ standards attainment DO, clarity/SAV and chlorophyll
	Standards Attainment and Monitoring	Publish WQ Criteria Tech Addendum
	Standards Attainment and Monitoring	Implement new process to quantify trends in tidal WQ parameters
	Standards Attainment and Monitoring	WQ results attained from 2 of 6 high flow events for mid point assessment
	Standards Attainment and Monitoring	Monitor high flow events at Conowingo
	Standards Attainment and Monitoring	Conowingo impacts on WQ monitoring plans
	Standards Attainment and Monitoring	125 sites of nutrient and sediment samples
	Standards Attainment and Monitoring	Update loads and Trends USGS
	Standards Attainment and Monitoring	USGS to update reporting/communicating of loads to Bay
	Standards Attainment and Monitoring	expand on BEI report for add'l monitoring needs
	Standards Attainment and Monitoring	Incorporate Citizen Science Monitoring for WQ standards
	Standards Attainment and Monitoring	develop targeted shallow water monitoring strategy
	Standards Attainment and Monitoring	Test watershed factors influencing WQ trends in tidal waters
	Standards Attainment and Monitoring	Release report/communication of nitrogen sources
	Standards Attainment and Monitoring	Compare observed and expected trends in watershed
	Standards Attainment and Monitoring	Improve knowledge of sed and N sources
	Standards Attainment and Monitoring	Use WQ data to assess PA's progress
	Standards Attainment and Monitoring	WQ functions of wetlands
	Standards Attainment and Monitoring	Improve understanding of tidal water response to load changes
	Standards Attainment and Monitoring	Develop land cover dataset
	Standards Attainment and Monitoring	Enhance watershed and SPARROW model
	Standards Attainment and Monitoring	Examine Susquehanna reservoirs' impact on N and sed transport
	Standards Attainment and Monitoring	Assess N and sed response to management practices
	Standards Attainment and Monitoring	Incorporate BMP efficiencies and land cover/use
	Standards Attainment and Monitoring	Conduct STAC peer reviews
	Standards Attainment and Monitoring	Run scenarios and modeling tools
	Forest Buffers	None
	Tree Canopy	None
	Healthy Watersheds	Evaluate how to leverage existing monitoring efforts to assess healthy watersheds

Healthy Watersheds	Healthy Watersheds	Work with STAR team to identify and incorporate key datasets related to watershed health and vulnerability indicators for incorporation into the Tetra Tech PHWA GIT funding project.
	Healthy Watersheds	Post TT PHWA GIT funding project work with HW GIT staff to assess results and begin to determine appropriate tracking framework for potential HW sustainability indicator.
	Healthy Watersheds	Compile and publish bi - annual CBP Protected Lands dataset: STAR can help to communicate the completion and availablility of the dataset as well as help to coordinate additional analysis to meet the needs of CBP teams.
	Healthy Watersheds	Determine a way to identify and track "mariginally healthy" waters and watersheds. Shared data gap with Stream Health workgroup
	Land Use Methods/Metrics	None
	Land Use Options	None
Stewardship	Citizen Stewardship	Strategy on how to integrate social science intow work
	Citizen Stewardship	Online Stewardship Tool to access data
	Citizen Stewardship	Stewardship Data collection support
	Citizen Stewardship	Path forward for advancing social science approaches
	Citizen Stewardship	Use results from stewardship index to help model relations of human attitudes/behaviors toward consumption, restoration and conservation.
	Public Access	Public access sites and potential effects from climate change (sea-level rise and flooding)
	Diversity	Diversity Indicator Target/Goal for 2025 using American Community Survey Data (Overlaying state Demographic and Economic census block data over Chesapeake Bay Watershed)
	Student Environmental Literacy	None
	Environemntal Literacy Planning	None
	Sustainable Schools	None
	Protected Lands	None
6	Local Leadership	None
Climate	Climate Resiliency Monitoring	Detiled statement of data/research needs for climate reseilient BMPs and siting design
	Climate Resiliency Monitoring	Detailed list of specific science/data needs for Citizen Science programs
	Climate Resiliency Monitoring	Protocol support and development of indicators
	Climate Resiliency Adaptation	Impacts of SLR, coastal storms, increased temperatures and extreme events on BMPS (maintenance, shelf life, etc)

Completed? (Y/N)	More specific detail	Why is this needed?	Category

Color key
Category
Modeling
Monitoring
Research
Synthesis
Analysis
Data Gathering
Other

SRS-identified need
GIT-identified need

Description
Need requires some sort of modeling effort, either with CBP modeling team or outside support
Need is pertaining to monitoring efforts including new efforts, utilizing existing efforts, coordinating efforts, etc.
Need requires to original research to address or generation of new data
Need requires synthesizing existing research or advancing science by pulling from multiple current lines of research
Need requires new analysis be conducted on existing data or information
Need requires identifying, finding, consolidating, etc. existing datasets or data layers
Does not fit into the above categories; please feel free to assign your own.