Preliminary GIT Goals

**Fisheries**

1. Improve interjurisdictional management of fisheries resources that move across political and administrative jurisdictions.
   1. This is not a goal, but a mission statement.
      1. Improve the process for the coordination of interjurisdictional fisheries through the establishment/ creation/ continuation of a communication process including meetings, network, shared data
      2. Who should lead process and be involved?
   2. Need to define which resources: finfish, crustaceans, shellfish?
      1. Necessary participants depend upon fishery
   3. In order to assess improved management, need to define current management efforts/ processes
   4. What does “improved” mean
2. Improve the connection between science and management to ensure decision making leads to productive and sustainable fisheries.
   1. This is not a goal, but a mission statement
      1. Promote well-informed fisheries management decision-making based on science through a process of meetings, presentations, literature review and white paper production.
   2. Need specifics
      1. Who to connect
      2. How to connect
   3. How to measure “improved” connection and decision making
   4. Over what timeframe
3. Promote coalition building, information sharing, and appropriate coordination of management decisions that can feed into broader fisheries commissions and councils (e.g., Atlantic States Marine Fisheries Commission [ASMFC] and the Mid Atlantic Fishery Management Council [MAFMC]).
   1. Develop and implement process for consideration and /or incorporation of Bay fisheries management decisions by fisheries Councils.
      1. MOU/ MOA?
   2. How do you measure?
   3. Who leads?
4. Maintain sustainable blue crab interim rebuilding target of 200 million adults (1+ years old) in 2011 and develop a new population target for 2012 through 2025.
   1. Targets for each year?
   2. What actions are necessary to maintain populations?
      1. Habitat restoration
      2. Harvest restrictions
   3. Who needs to be involved
      1. Virginia and Maryland
5. Restore native oyster habitat and populations in 20 tributaries out of 35 to 40 candidate tributaries by 2025.
   1. Is restoration level defined?
      1. Habitat - area, water quality, pathogens?
      2. Populations – replenishment, reefs, etc?
   2. Who needs to be involved
      1. Virginia and Maryland
   3. Are restoration targets set for / by each jurisdiction
6. Develop bay-wide policy agreement on blue catfish management.
   1. By when?
   2. Who needs to agree?
      1. Virginia, Maryland, Pennsylvania?
   3. Does this need to be a Bay Program Policy?
7. Reduce (Limit) the spread of invasive catfish and mitigate their negative impacts on native species.
   1. What species?
   2. What action(s) are required?
   3. Who needs to be involved?
   4. What is the timeframe for mitigation? Limit to 2020??extent?

**Habitat**

1. Restore a network of land and water habitats to support priority species and to afford other public benefits, including water quality, recreational uses and scenic value across the watershed.
   1. How is network defined? Linear, 2 dimensions, 3 dimensions
      1. ie. so many linear units of greenways?
   2. Restore to what target level
   3. Define network
   4. Should restoration for priority species necessarily afford other public benefits?
   5. Always? Everywhere?
   6. Who needs to be involved? Are there networks that transcend jurisdictional boundaries?
   7. Timeframe
2. During the period 2011-2025, restore historical fish migratory routes by opening 1,000 additional stream miles, with restoration success indicated by the presence of river herring, American shad, Hickory shad, Brook Trout and/or American eel.
   1. Is fish presence adequate measure? All or any of the identified fish? Any or all life stages- or eggs and larvae?
   2. Anywhere in the Bay?
   3. Needs to engage Virginia, Maryland, Delaware?
3. Restore naturally reproducing brook trout populations in headwater streams by improving 58 subwatersheds from 'reduced' classification to 'healthy' by 2025.
   1. Is this a Bay Program goal, or a state goal common to most partners?
   2. What, if any, Bay level coordination is necessary?
4. Establish 185,000 acres of SAV in the Chesapeake Bay. Serve the broader Bay community by providing technical expertise, guiding managers on the protection and restoration of SAV, and applying research findings to issues impacting SAV in the Bay.
   1. This is a goal and a mission statement.
      1. Establish 185,000 acres of SAV
         1. Anywhere? Any species?
         2. Who needs to coordinate on this?
      2. Provide technical expertise, and apply research. OR Provide science-based expertise to managers.
         1. Who needs to be engaged?
            1. Virginia, Maryland
         2. How will expertise be provided and accounted?
5. Restore 30,000 acres of tidal and non-tidal wetlands and enhance the function of an additional 150,000 acres of degraded wetlands by 2025. In cooperation with other GIT Working Groups and Chesapeake Bay partners, protect an additional 225,000 acres of wetlands within the entire Chesapeake Bay Watershed.
   1. Is this doable?
   2. 30K each tidal and non-tidal, or total?
   3. Is there agreement as to what defines enhancement?
   4. Is there any distribution requirement/ preference by jurisdiction?
   5. How will cooperation be managed/defined/ counted
   6. Are all partners equally vested in this goal.
   7. Is this goal connected to the Bay TMDL? Are there any priorities, or is it a cumulative goal of each of the partners?

**Water Quality**

1. Restore water quality to achieve standards for DO, clarity, SAV, and chlorophyll-a in the Bay and its tidal waters by having all practices in place by 2025 that are necessary to reduce nitrogen, phosphorus, and sediment. Practices will be in place by 2017 that would achieve 60% of the necessary pollutant reductions compared to 2009.
   1. How does the goal account for/ build in the possibility that “all practices” will not meet DO, clarity, SAV and chloro in all waters?
   2. Is this a BMP counting effort? Or a water quality monitoring effort?
   3. Does the setting of priority practices for NCRS funding effect the attainability of this goal?

Analyze data water quality data and information of agriculture, developed lands practices and wastewater treatment facilities

Make recommendations to aid in the identification, prioritization and implementation of appropriate practices to achieve in standards for DO, clarity, SAV, and chlorophyll-a in the Bay and its tidal waters.

1. Analyze data and information and make recommendations that support accelerated implementation of practices on agricultural lands so that all practices are in place by 2025 to achieve standards for DO, clarity, SAV, and chlorophyll-a in the Bay and its tidal waters.
   1. Is this is 2 goals? Analyze data. Recommend practices.
   2. Who is analyzing and recommending and to whom?
   3. Given market issues with commodities, is it realistic to set a goal to emplace all practices?
   4. Is this a BMP counting effort? Or a water quality monitoring effort?
   5. Is this a BMP counting effort? Or a water quality monitoring effort?
2. Analyze data and information and make recommendations that support accelerated implementation of practices on developed lands so that all practices are in place by 2025 to achieve standards for DO, clarity, SAV, and chlorophyll-a in the Bay and its tidal waters.
   1. Is this is 2 goals? Analyze data. Recommend practices.
   2. Who is analyzing and recommending and to whom?
   3. Given the absence of fiscal incentives for developed lands, is this doable?
   4. Is this a BMP counting effort? Or a water quality monitoring effort?
   5. Is this a BMP counting effort? Or a water quality monitoring effort?
3. Analyze data and information and make recommendations that support accelerated upgrades of wastewater treatment facilities so that all practices are in place by 2025 to achieve standards for DO, clarity, SAV, and chlorophyll-a in the Bay and its tidal waters.
   1. Is this is 2 goals? Analyze data. Recommend practices.
   2. Who is analyzing and recommending and to whom?
   3. Is this a BMP counting effort? Or a water quality monitoring effort?

Goal:

Ensure the placement of practices in

Agriculture

Developed lands, and

Water treatment facilities

which together achieve standards for DO, clarity, SAV, and chlorophyll-a in the Bay and its tidal waters.

1. Support the implementation of practices, policies, and programs within the realm of nutrient and sediment trading and offsets that will assist efforts to restore water quality in the Bay and its tidal waters.
   1. Support how? Financial? Policy analysis? Guidance?
   2. Who supports implementation
   3. Who implements
   4. How is this measured
2. Ensure that pollutant reduction progress is tracked, verified, reported, and credited through the Chesapeake Bay Program decision support tools.
   1. Ensure with funding?
   2. Who shall be the lead record collector/ keeper/ reporter?
   3. timeline?
   4. Will require resolution of data issues between states and federal partners.
   5. Training?

**Watersheds**

1. Review and approve technical issues related to BMPs including: recommended BMP definitions and efficiencies from source workgroups and local jurisdictions; BMP simulation in the CBP models; and BMP tracking and reporting methods used by CBP partner jurisdictions and agencies for use in the CBP models. Provide technical review & recommendations to the CBP Modeling team on CBP model processes, scoping scenarios, and input data.
   1. Is this two goals?
      1. Review and approve
      2. Recommend
   2. Who needs to approve technical issues? STAC?
   3. How/is “BMP tracking and reporting methods used by CBP partner jurisdictions and agencies for use in the CBP models” different from Goals 18?
   4. Who shall review? CBP staff?
   5. Timeline?
2. Coordinate, develop, and implement plans and projects which focus on the contributions of forest lands in restoring the health and productivity of the Chesapeake Bay watershed and in retaining their economic potential.
   * 1. Coordinate and review project plans from a Bay Program perspective with regard optimizing ecosystem benefits from a water quality perspective.
   1. Is this goal about coordination or on-the-ground work?
   2. Implement plans and projects with funding? What funding?
   3. Is Bay health contributions from forests and economic potential entirely compatible?
3. The goal of the Maintain Healthy Watersheds GIT is to maintain local watersheds at optimal health across a range of landscape contexts.
   1. Sounds like a mission statement
   2. How can the Bay Program promote the maintenance of watersheds at optimal health?
   3. Coordinate with Healthy water programs?
   4. Aren’t partners already doing this work? What is the value added of the Bay Program?
4. ~~GIT4 is initiating a project to~~ ~~e~~Establish and operate a CBP collective capability to periodically communicate the identity, health status, health threats, and protection status of state-identified healthy watersheds based on existing data and existing monitoring efforts.
   1. Healthy watersheds outreach?
      1. What media
      2. Who should perform? Who leads?
      3. What is periodically (annual, biannual, monthly?)

b. Is there a process by which the monitoring data feeds into the communications effort?

1. The Communications Workgroup will support the Bay Program watershed objectives by creating~~is creating~~ set of key messages, along with potential outreach actions to communication with key audiences.
   1. Who is the lead?
   2. Does this require engagement of all partners?
   3. Timeline?

**Stewardship**

1. To promote individual stewardship and assist citizens, communities and local governments in undertaking initiatives to achieve restoration and conservation in the Chesapeake region.
   1. Promote and assist in what fashion? Provide funding, technical expertise, networking support, information, training
   2. Who needs to be involved
   3. How to measure?
2. Expand Chesapeake Conservation Corps workforces, as called for in Executive Order 13508.
   1. Expand to what target
   2. Ttimeframe?
   3. Who leads this effort.
   4. Who should be involved
3. Ensure that elementary and secondary students in Chesapeake Bay Watershed states graduate environmentally literate with the tools they need to make informed choices to protect and restore the Chesapeake Bay.
   * 1. Provide and promote the use of Bay-related environmental educational materials for elementary and secondary school age children.
     2. Reach # students/classrooms each year.
   1. Ensure how? Pre-determined content taught in every classroom, certain grades? Or just content available?
4. Narrative Goal: Conserve landscapes treasured by citizens to maintain water quality and habitat; sustain working forests, farms and maritime communities; and conserve lands of cultural, indigenous and community value.

Outcome: Protect an additional 2 million acres of lands throughout the watershed currently identified as high conservation priorities at the federal, state, or local level by 2025.

* 1. Throughout the watershed? Any minimal contribution per partner?
  2. Any distribution between farms, working forest, cultural/indigenous lands.
  3. Protect how? Is this essentially remove from development potential?

1. Narrative Goal: Expand public access to the Bay and its tributaries through existing and new local, state and federal parks, refuges, reserves, trails and partner sites.

Outcome: Increase public access by adding 300 new public access sites by 2025.

* 1. Are there any priorities for sites? Outdoors plans, comp plans, etc.

**Partnerships**

1. Define and implement processes to ensure Program effectiveness, efficiency, accountability and partner participation.
   1. Who is responsible?
   2. How do you measure?
   3. What kind of actions are necessary
2. Effectively implement adaptive management across the program.
   1. How to measure effectiveness?
   2. Timeframe
   3. Are there interim goals. Implement adaptive management of one goals per GIT every year over 5 years.
3. Effective and efficient governance of the Program.
   1. Isn’t goal 31 an endpoint for goal 29? Are both needed?

**STAR**

1. The Nontidal Water Quality Workgroup provides a coordination role to integrate water-quality monitoring programs in the non-tidal portion of the Bay's watershed and with the tidal monitoring programs.

The two primary goals of the Workgroup are to (1) coordinate implementation of the CBP non-tidal Water Quality Network and manage the associated information, (2) provide analysis of the monitoring information to document water-quality change over time and support development of CBP indicators and assessment reports, and (3) support the science and technical needs of the Chesapeake Bay Program's Goal Implementation Teams.

* 1. States two primary goals, then lists 3
  2. These sound like mission statements. Is the workgroup intended to implement the Network, produce assessment reports?
  3. How is this water quality assessment the same or different than the analysis in goals 16, 17 and 18?

1. The Indicators Workgroup promotes the development of indicators that effectively communicate progress in the restoration of living resources, water quality and habitat in the Chesapeake Bay and its watershed. The workgroup provides guidance to the Scientific and Technical Analysis and Reporting Team and the other teams and workgroups that have the responsibility for the selection of appropriate metrics and analysis and interpretation of data for individual indicators.
   1. The indicators workgroup shall provide guidance to STAR though the provision of…. Over what time frame? Ongoing- as needed.
   2. How should this be tracked? Contacts? Information requests?
2. To provide professional direction and guidance on field and laboratory methods and QA/QC, resulting in accurate and comparable Chesapeake Bay and tributary water quality monitoring data.
   1. Who shall provide this guidance?
   2. How is it delivered?
   3. Who confirms comparability?
   4. Is this on-going? Is there a timeframe? Annual, biennial?