

INDICATORS AT THE CHESAPEAKE BAY PROGRAM

Status Update and Potential 2018 Focus

Presented to STAR March 22, 2018

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WHAT DOES OUR CURRENT SUITE
OF INDICATORS LOOK LIKE?

OUTCOMES WITH INDICATORS IN GOOD STANDING

Fisheries

- Blue Crab Abundance & Management
- Oyster Restoration

Habitat

- Wetlands Restored on Agricultural Lands
- Fish Passage
- SAV

Water Quality

- Forest Buffer
- Reducing Pollution (2017 and 2025 WIP Outcomes)
- Water Quality Standards Attainment & Monitoring
- Toxic Contaminants Policy and Prevention

Stewardship

- Diversity
- Protected Lands
- Public Access
- Citizen Stewardship
- Environmental Education:
 - Sustainable Schools
 - Environmental Literacy Planning
 - Student MWEEs

RECENT ADDITIONS (PAST 2 YEARS)

Fisheries

- Blue Crab Abundance & Management
- **Oyster Restoration**

Habitat

- Wetlands Restored on Agricultural Lands
- Fish Passage
- SAV

Water Quality

- Forest Buffer
- Reducing Pollution indicator (2017 and 2025 WIP Outcomes)
- Water Quality Standards Monitoring
- Toxic Contaminants Policy and Prevention

Stewardship

- **Diversity**
- Protected Lands
- Public Access
- **Citizen Stewardship**
- Environmental Education:
 - **Sustainable Schools**
 - **Environmental Literacy Planning**
 - **Student MWEEs**

WHERE WILL WE FOCUS IN 2018?

Filling indicator gaps and information needs

Efforts led by workgroups and goal teams, with Status and Trends support

Indicator in Development

Research in Progress

Indicator in Refinement

No Indicator

Focus in 2018

Climate trends
(Monitoring & Assessment outcome)

Forage Fish

Healthy Watersheds

Local Leadership

Tree Canopy

Climate Adaptation

Black Duck

Brook Trout

Stream Health

Fish Habitat

Toxic Contaminants Research

Land Use Methods & Metrics Dev.

Land Use Options Evaluation

FUTURE SUITE OF INDICATORS

Fisheries

- Blue Crab Abundance & Management
- Oyster Restoration
- **Forage Fish**

Habitat

- Wetlands Restored on Agricultural Lands
- Fish Passage
- SAV
- **Tree Canopy**

Water Quality

- Forest Buffer
- Reducing Pollution indicator (2017 and 2025 WVIP Outcomes)
- Water Quality Standards Attainment & Monitoring
- Toxic Contaminants Policy & Prevention

Stewardship

- Diversity
- Protected Lands
- Public Access
- Citizen Stewardship
- *Environmental Education:*
 - Sustainable Schools
 - Environmental Literacy Planning
 - Student MWEEs

Other Teams

- **Healthy Watersheds** (GIT 4)
- **Local Leadership** (GIT 6)
- **Climate trends and impacts** (STAR)

WHAT'S MISSING?

Beyond 2018 and projects in the works

Gaps based on Agreement Outcome language

Potential for new needs identified through SRS

Indicator in Development

Climate trends
(Monitoring & Assessment outcome)

Research in Progress

Forage Fish

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Climate Adaptation

Indicator in Refinement

Black Duck

Brook Trout

Stream Health

No Indicator

Fish Habitat

Toxic Contaminants Research

Land Use Methods & Metrics Dev.

Land Use Options Evaluation

POSSIBLE FUTURE NEEDS

Some Outcomes will require different indicators over time.

Oyster Restoration

- Current metric: Acres of reefs
- Future metrics could include
 - percentage of restorable bottom
 - meeting tributary-specific metrics of success

Stream Health: potential for metrics beyond Chessie B-IBI

POSSIBLE FUTURE NEEDS

Some Outcomes have indicator(s) that do not address all of its parts.

Wetlands: current indicator ...

- does not include non-agricultural restoration
- tracks acres restored but not enhanced
 - Tracking mechanism available through NIEN
 - Wetlands Workgroup already planning to work with states on reporting

Forest Buffers: conserving existing buffers and working towards 70% forested

Protected Lands: breakdown of protected wetlands and forest

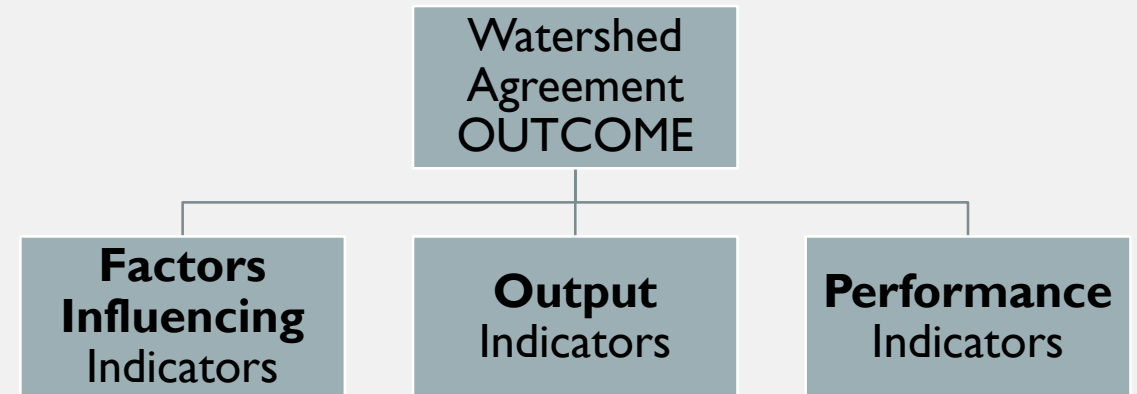
- Potential issue: these two categories of land often overlap

POSSIBLE FUTURE NEEDS

Some needs may arise from the Strategy Review System.

- Current focus on Performance indicators
- Outputs monitored through SRS
- **Factors** indicators
 - Potential workshop topic: criteria for factors indicators
 - Explore commonalities and **uses** through Status & Trends

INDICATORS FRAMEWORK



HOW WILL THE STATUS & TRENDS WORKGROUP SUPPORT THESE NEEDS?

Provide guidance

Align to Program's Indicator Framework

Highlight commonalities and foster collaboration among teams

MISSION OF STATUS & TRENDS WORKGROUP

- Ensure the integrity of the **Indicators Framework** by focusing the development and use of information in the CBP with the principles described in the Framework.
- Foster **cross-outcome collaboration** among the Goal Implementation Teams (GITs) on identified information needed to track progress toward and adaptively manage achievement of goals and outcomes.
- Staff the **indicators management** process.

ROLE OF STATUS & TRENDS WORKGROUP

- Ensure indicators **link directly to Agreement outcomes**
- Use Indicators Framework to
 - **guide development of indicators**
 - highlight **commonalities** among proposed indicators or identified needs
 - illustrate the different roles the same indicator can play in multiple outcomes
 - **Offer guidance** to GIT coordinators and staffers seeking to develop new indicators (based on expertise of workgroup).
- Ensure **appropriate management** of indicators not connected to Agreement outcomes.
- Manage the process of **sunsetting old indicators**.

CURRENT WORKGROUP MEMBERSHIP

ChesapeakeStat
representative

Communications
Director

Cross-GIT
Coordinator

GIS Lead

*Indicators
Coordinator*

Monitoring
representative

STAR Analyst

STAR
Coordinator

Web Team
representative

Coordinators
and Staffers, as
relevant

QUESTIONS AND INPUT

- Status of current indicators and indicators in development
- Additional priorities for 2018 based on GIT-identified needs

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