

Improving Chesapeake Bay Program Monitoring Networks: Assessing Monitoring Gaps

For each of the Chesapeake Bay Program (CBP) monitoring networks, monitoring gaps were considered that need to be filled to improve the networks to address management information and decision-support needs. The monitoring related gaps were compiled from the CBP Science Needs Database which tracks both the short- and long-term science needs of the partnership. It is continually updated throughout the year to capture the CBP Goal Implementation Teams (GITs) science needs. The science needs selected focus on the Water Quality Standards Attainment and Monitoring Outcome. In addition, science needs were selected of other CBP outcomes that connect with efforts of the existing CBP monitoring networks.

**Total # of monitoring
related science needs:**

110

**Total # of science needs
connected to monitoring review:**

64



Existing Monitoring Networks' Science Needs

Tidal & Nontidal	41
SAV	5
Benthic	1
Citizen Science	2
Vertical Profile	1



Categories of Cross-GIT science needs aligning with existing networks (**14**)

Climate Change
Indicators
Rise in Water Temperature
Development of New Monitoring Plans

Monitoring Opportunities



Identify beneficial use of existing monitoring data and analysis to address these gaps



Identify beneficial use of new monitoring innovations within the scope of existing monitoring networks.



Track future monitoring needs through Strategic Science and Research Framework.