

Potomac Basin Comprehensive Water Resources Plan

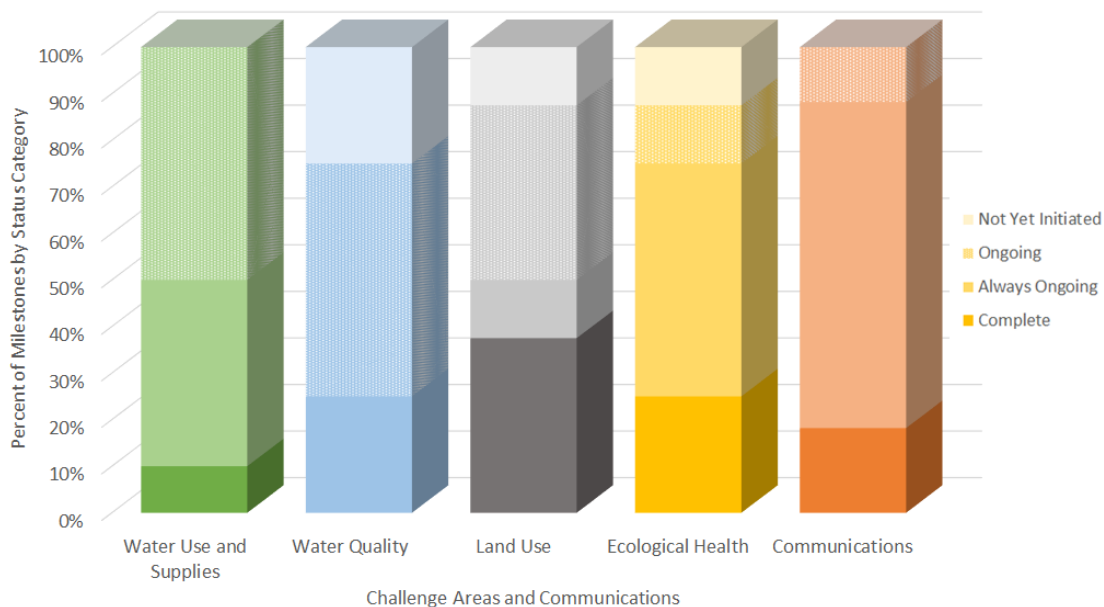
Year One and Two Implementation Progress

The first two years of implementation of the [Potomac Basin Comprehensive Water Resources Plan](#) resulted in the successful completion of twenty percent of the planning milestones, initiation of another forty percent of the milestones whose implementation will be perpetually ongoing, and continuing efforts to address another thirty-two percent of the planning milestones. This document lists some of the highlights from the past two years, provides a general overview of the plan's implementation status (Figure 1), describes select ongoing activities, and gives a more detailed picture of implementation status by individual milestone (Figure 2).

Year One and Two Highlights

- ✓ Unreported water use estimates by HUC-8 and county were completed in 2020 for the irrigation, livestock, unconventional oil and gas, thermoelectric, self-supplied domestic, aquaculture, and mining sectors.
- ✓ The manuscript [Integrated Sustainable Water Resources Management and Land Use Decision-Making](#) was submitted to the Journal of Water in March 2020.
- ✓ Jennings Randolph Lake Water Control Plan Scoping Study, Phase 2 was completed (USACOE and ICPRB, 2020).
- ✓ The ICPRB signed on to the 2019 and 2020 Interstate Council on Water Policy streamgauge letters.
- ✓ The [LFAA review](#) was completed in February 2018.
- ✓ An online [precipitation map](#) was developed to assist basin stakeholders in sharing information during droughts.
- ✓ An R-program was developed to calculate the Chesapeake Basin-wide Index of Biotic Integrity for stream macroinvertebrates (Chessie BIBI). The index measures biological status and responses to restoration efforts.
- ✓ The 2008 Chesapeake watershed baseline to measure change in stream macroinvertebrate health was [completed](#).
- ✓ The manuscript titled [Streamflow Alteration from Impervious Cover: Are All Watersheds Created Equal?](#) was published in the Journal of the American Water Resources Association in December 2018.

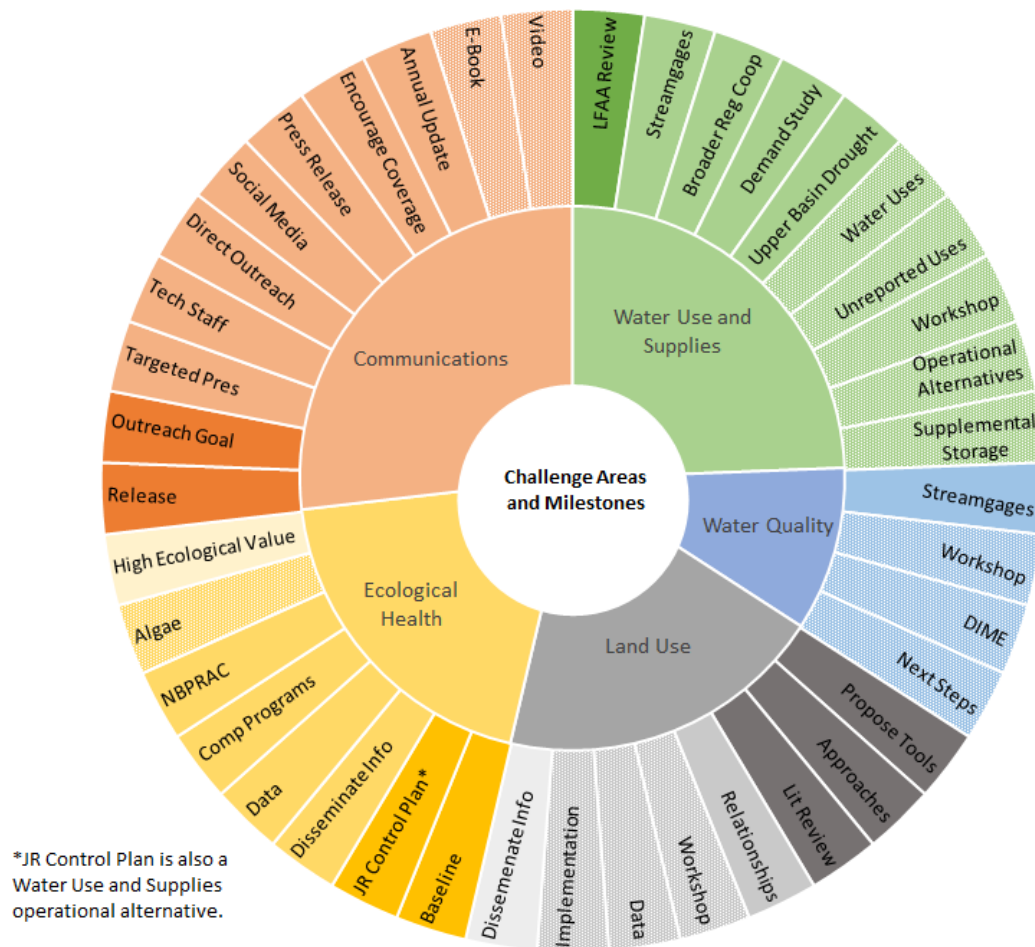
Figure 1. Year one and two implementation progress for short- and long-term milestones, 2019-2023. This figure does not illustrate percent complete by funding or staff time, only by the number of milestones in each status category. Challenge areas are distinguished by color. Status is designated using four shades of that color. The figure legend was developed using Ecological Health as an example. The colors used in Figure 1 correspond to those used in Figure 2. While communications is not a challenge area, per se, it is a key component of implementation and is included here for reference.



Select Ongoing Activities

- A comprehensive plan virtual event series is being planned for August and September 2012.
- The Cacapon River filamentous algae study is ongoing with expected completion at the end of fiscal year 2020.
- The Potomac Data Inventory and Mapping Exploration (DIME) initiative is in full swing to make Potomac data sets readily accessed, related, and explored.
- The CO-OP 2020 demand study is under final review.
- A scope of work has been developed for a study on basin-wide water uses, demands, and consumptive demands and initial efforts of the study are underway.
- Focused communications activities included press releases, frequent social media posts, and targeted presentations.

Figure 2. Implementation status by milestone and challenge area. Detailed descriptions of each milestone can be found in the comprehensive plan or in the pre-meeting materials for each challenge area. While communications is not a challenge area, per se, it is a key component of implementation and is included here for reference. Colors used in this figure correspond to colors used in Figure 1. The darker the shade, the closer a milestone is to being complete.



References

USACOE and ICPRB. 2020. Planning Assistance to States: Jennings Randolph Lake Scoping Study Phase II Report. U.S. Army Corps of Engineers, Baltimore District, Maryland.