**Chesapeake Assessment and Scenario Tool (CAST)** – This tool allows users to run the model to evaluate and compare the nutrient and sediment loads resulting from various implementation scenarios. The tool includes scenarios for each annual progress year as well as historical planning scenarios like WIP II. <http://cast.chesapeakebay.net/>

**Model Source Data** – This spreadsheet includes information about the model load sources, BMPs, and geographic references. <https://s3.amazonaws.com/cast-reports.chesapeakebay.net/public/SourceData.xlsx>

**BMP Cost Effectiveness Data** - Knowing the BMPs that are most effective and have the lowest cost makes it possible to develop an effective plan. This spreadsheet includes the typical pounds of nitrogen, phosphorus, and sediment reduced for every BMP. Also provided are the cost of each BMP, and the cost per pound reduced. To determine the most cost effective BMPs, simply filter the table for your geographic area, then sort the table on the cost per pounds reduced for the targeted pollutant (we recommend using Nitrogen). <http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=BMP_LbsReducedAndCostsCounty20180430.xlsx>

**Watershed Yields and Delivery Factors** – Understanding where the highest loading areas and areas that deliver more of their load to the Bay can help geographically target implementation to maximize the reduction effect of a BMP.

Link to PDF maps

Link to GIS

**BMP Co-Benefits Matrix and Fact Sheets** – Many BMPs have benefits beyond nutrient and sediment reductions. A number of these co-benefits have been evaluated for each BMP. This matrix can be used to characterize the additional benefits of a BMP strategy beyond nutrient and sediment reductions. Users can either to select priority BMPs and see the co-benefits or choose co-benefits of interest and see which BMPs are most impactful. <http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FImpactScoresToolvF.XLSM>

Specific fact sheets have been developed for the following co-benefits:

[Brook Trout](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneBrookTroutFeb13.2018.pdf)

[Climate Resiliency](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneClimate.Resiliency020618.pdf)

[Fish Habitat](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneFish%20Habitat2.12.18%20v13.pdf)

[Forest Buffer](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneForest%20Buffer%202.13.18.pdf)

[Healthy Watersheds](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneHealthy%20Watersheds2.14.18.pdf)

[Protected Lands](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneProtected%20Lands_Final.pdf)

[Public Access](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBenePublic%20Access_Final.pdf)

[Sub-Aquatic Vegetation](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneSAV_Feb13.2018.pdf)

[Stream Health](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneStreamHealth_2.8.18.pdf)

[Toxics](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneToxics_draft%202-14-18_Clean.pdf)

[Tree Canopy](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneTree%20Canopy2.13.18%20KW.pdf)

[Wetlands](http://cast.chesapeakebay.net/FileBrowser/GetFile?fileName=CoBenefits%2FCoBeneWetlandFinal_2.8.18.pdf)