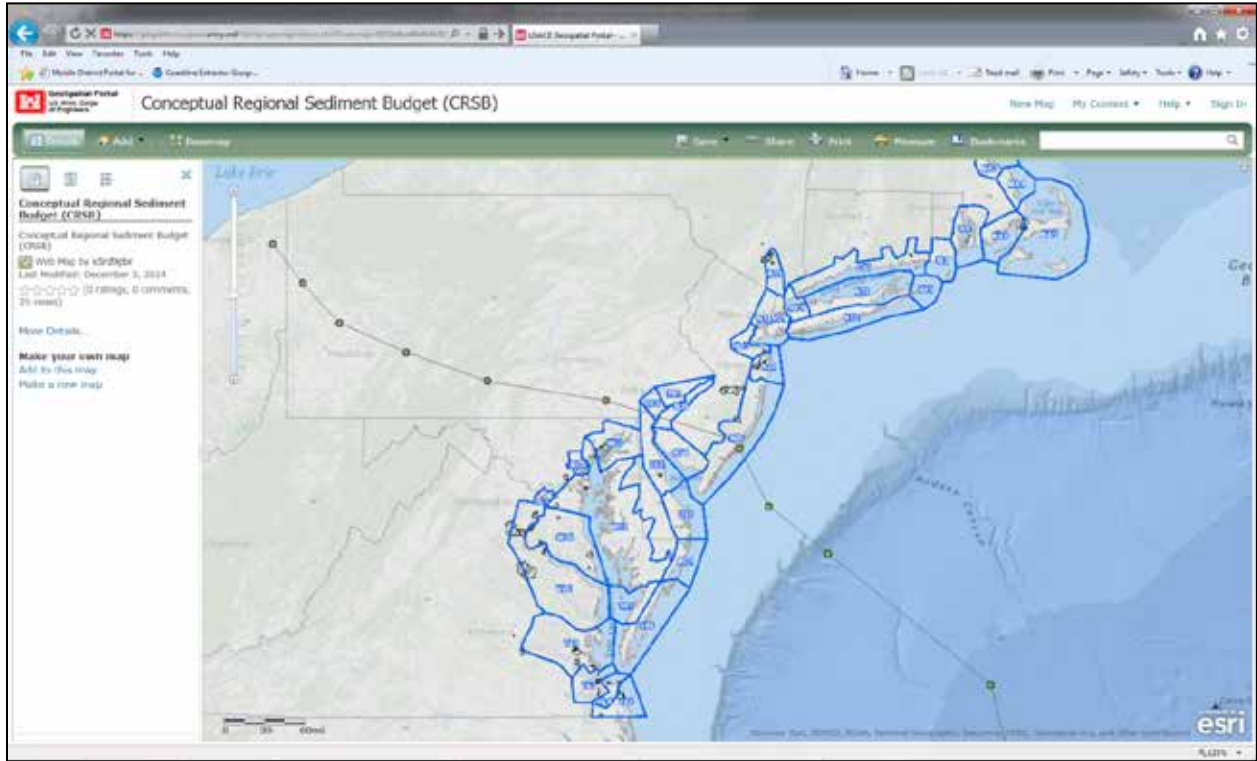


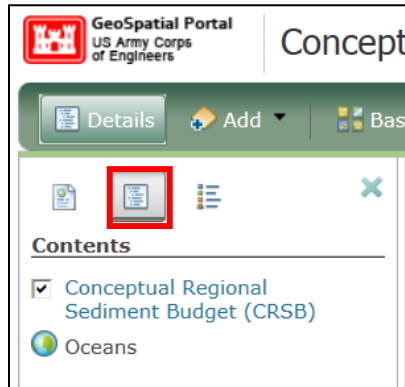
How to Navigate the Conceptual Regional Sediment Budget Portal

The Conceptual Regional Sediment Budget (CRSB) Portal is an online GIS service that facilitates viewing of the CRSB. The Portal can be accessed here:

<https://geoplatform.usace.army.mil/home/webmap/viewer.html?webmap=f50f2b8ba08d4b4c915b444a25ee3d06>



To view the contents of the map, click on the middle icon just above the Table of Contents:



Click on the blue lettering, "Conceptual Regional Sediment Budget (CRSB):"

Layers associated with the CRSB will be displayed:

- Conceptual Regional Sediment Budget (CRSB)
 - USACE Data
 - SBAS
 - Processes
 - Physical System
 - Exposure Indices
 - Vulnerability Indices

Each layer can be expanded by clicking on each line of blue lettering. To compress that layer, click again on the blue lettering. Each layer with associated sub-layers is shown below.

- Conceptual Regional Sediment Budget (CRSB)
 - USACE Data
 - NACCS Planning Reach
 - NACCS_Problem_Area_Polygons
 - NY_NJ1 Vulnerable Area
 - NACCS Vulnerable Area
 - Study_Area_State_Polygons
 - NACCS Study Area
 - NACCS_Focus_Areas
 - NY_NJ1_Sub_Reaches
 - State_Coastal_Projects
 - Federal_Coastal_Projects
 - NAE_District_Boundary
 - NAD_District_Boundaries
 - NAN_District_Boundary
 - NAO_District_Boundary
 - NAP_District_Boundary
 - NAD_Division_Boundary
 - NAB_District_Boundary
 - SBAS
 - Processes
 - Physical System
 - Exposure Indices
 - Vulnerability Indices

- Conceptual Regional Sediment Budget (CRSB)
 - USACE Data
 - SBAS
 - Flux Labels
 - CELL Labels
 - SBAS FLUX
 - Cells with No Data
 - Erosion/Accretion
 - Balance
 - Confidence
 - SBAS Littoral Cell
 - Processes
 - Physical System
 - Exposure Indices
 - Vulnerability Indices

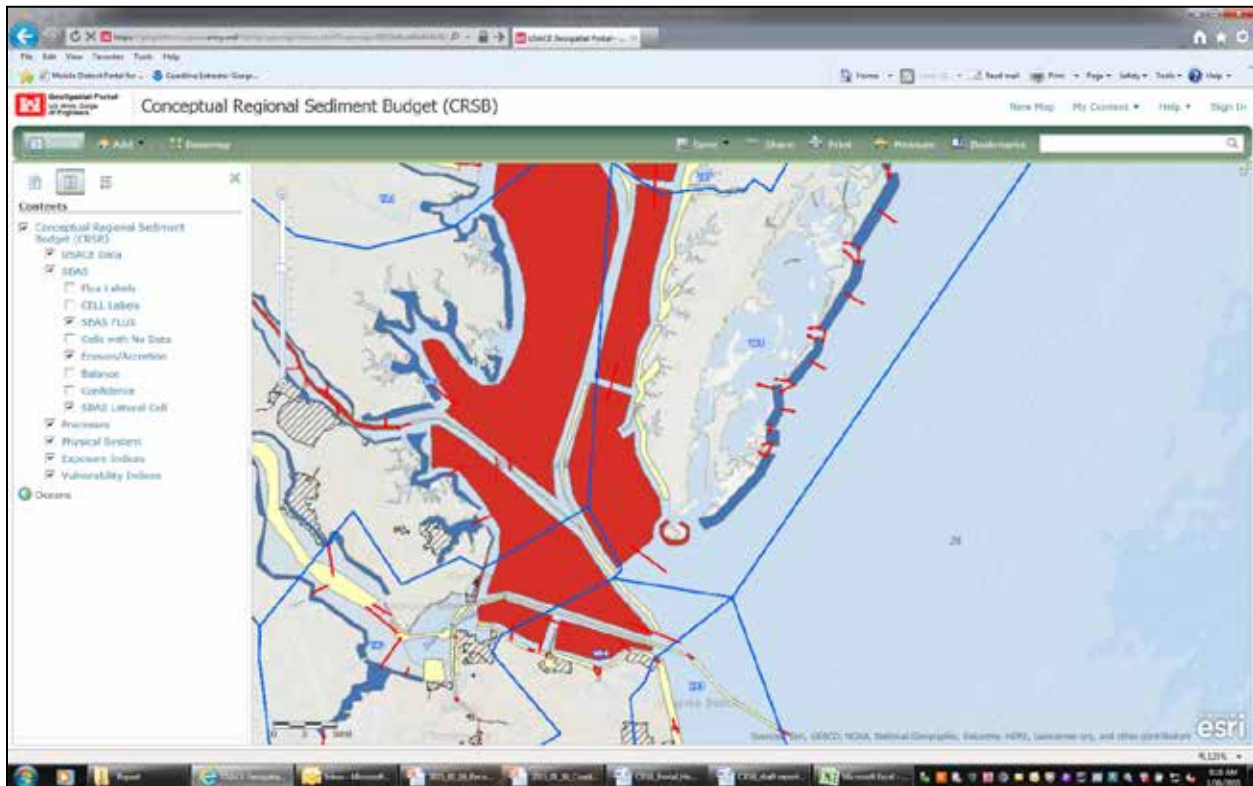
- Conceptual Regional Sediment Budget (CRSB)
 - USACE Data
 - SBAS
 - Processes
 - SLOSH Cat 1 - Cat4
 - SLR_Gages
 - 1-Percent Annual Chance Floodplain
 - 10-Percent Annual Chance Floodplain
 - 1-Percent Annual Chance Floodplain (+ 3 ft)
 - Sea Level Rise (SLR) Grids
 - Sandy_Path_Ln
 - Sandy_Path_Points
 - Physical System
 - Exposure Indices
 - Vulnerability Indices

- Conceptual Regional Sediment Budget (CRSB)
 - USACE Data
 - SBAS
 - Processes
 - Physical System
 - Detailed_State_Polygons
 - NACCS NOAA ESI Shoreline Type
 - Interstate Highway
 - Military Installation
 - Cities
 - Detailed_State_Polygons
 - Major_Lakes_and_Rivers
 - Exposure Indices
 - Vulnerability Indices

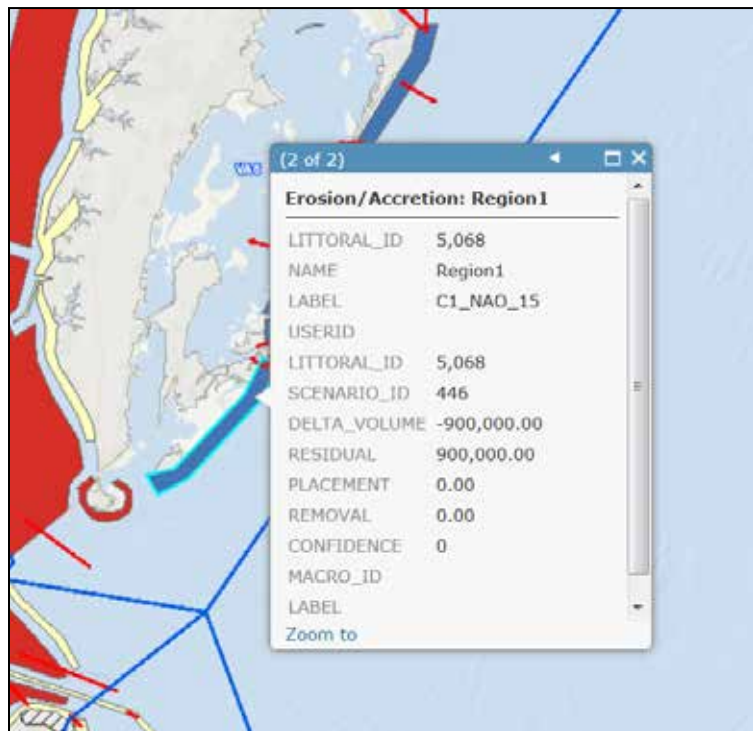
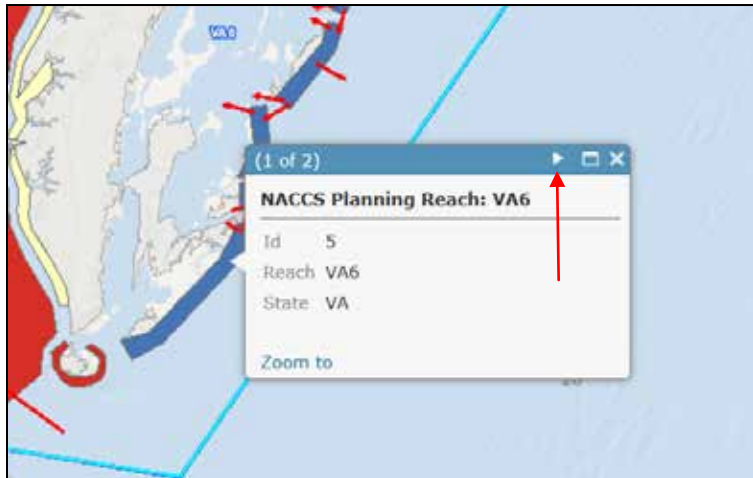
- Conceptual Regional Sediment Budget (CRSB)
 - USACE Data
 - SBAS
 - Processes
 - Physical System
 - Exposure Indices
 - Composite Exposure Index
 - Population and Infrastructure Exposure
 - Socioeconomic Exposure
 - Environmental and Cultural Exposure
 - Vulnerability Indices

- Conceptual Regional Sediment Budget (CRSB)
 - USACE Data
 - SBAS
 - Processes
 - Physical System
 - Exposure Indices
 - Vulnerability Indices
 - Composite Vulnerability Index
 - Infrastructure Vulnerability
 - Social Vulnerability
 - Environmental Vulnerability

The Contents of the Map can be turned on and off by clicking boxes associated with each layer and sub-layer. Shown below is a screen capture of the Sediment Budget Analysis System (SBAS) layer and cells, fluxes, and erosion/accretion turned on. The map has been zoomed in to show detail at the entrance of Chesapeake Bay.



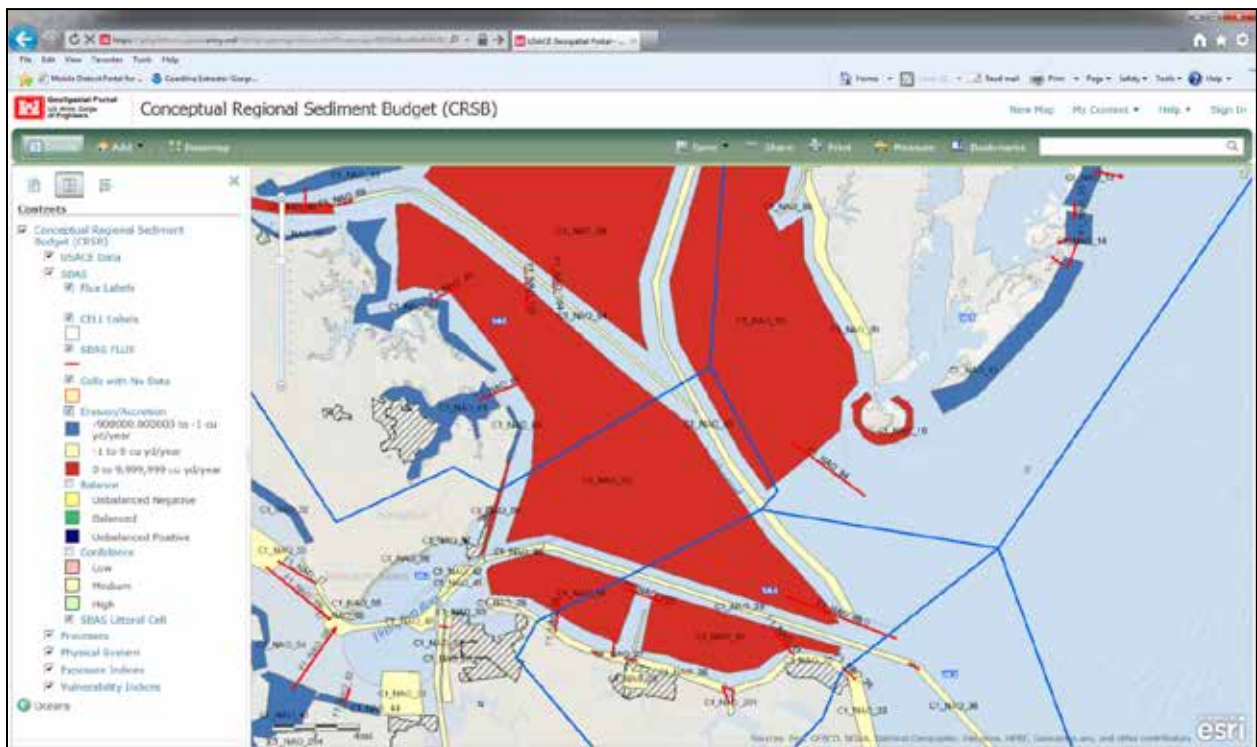
Data associated with each sediment budget cell can be viewed by clicking on that cell. There may be multiple pages associated with a cell; click the triangle at the top to see the next page.



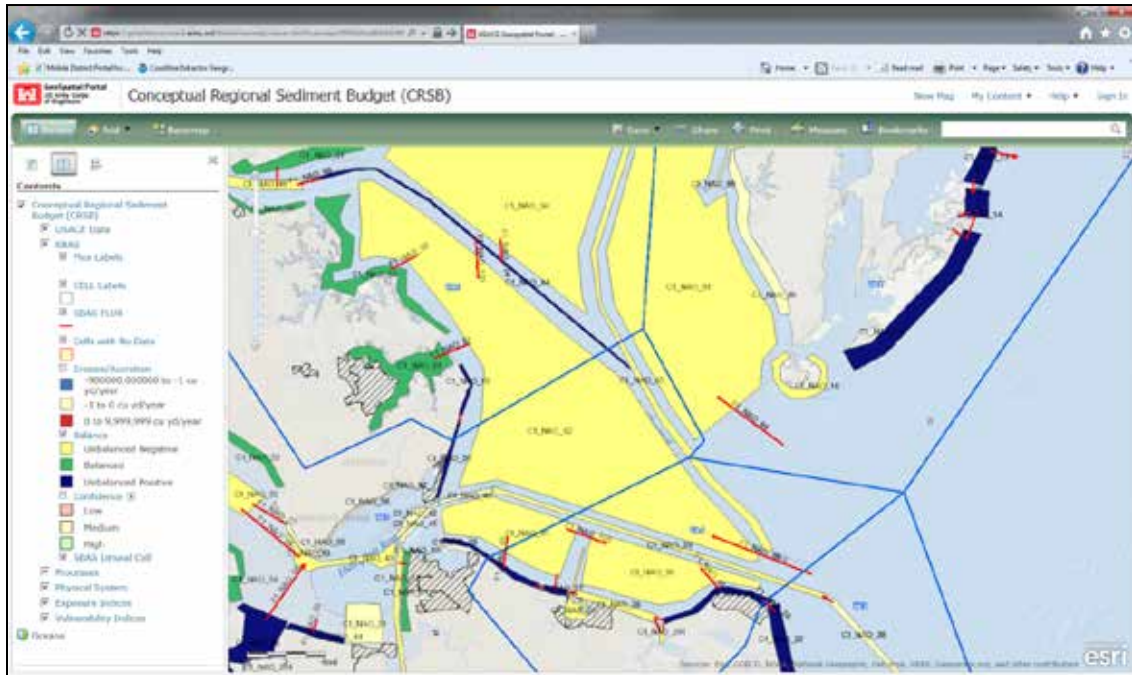
Clicking on the blue lettering associated with each sub-layer shows the legend utilized:

- Conceptual Regional Sediment Budget (CRSB)
 - USACE Data
 - SBAS
 - Flux Labels
 - CELL Labels
 - SBAS FLUX
 - Cells with No Data
 - Erosion/Accretion
 - 900000.000000 to -1 cu yd/year
 - 1 to 0 cu yd/year
 - 0 to 9,999,999 cu yd/year
 - Balance
 - Confidence
 - SBAS Littoral Cell
- Processes
- Physical System
- Exposure Indices
- Vulnerability Indices

Because data showing sediment budget erosion/accretion, cell balance, and confidence limits are each denoted by color-coded cells, these layers must be viewed individually. Below shows the entrance to Chesapeake Bay with cell erosion/accretion displayed:



This screen capture shows cell balances. An unbalanced cell indicates that the data were not sufficient to balance the sources, sinks, erosion, accretion, and engineering activities documented in that area.



This screen capture shows cell confidence. Confidence levels were assigned to each morphologic zone based on whether a sediment budget was available (high confidence); only general information existed for volume change, sediment pathways or magnitudes (medium confidence); or only qualitative observations of morphology from aerial imagery were available to provide general sediment transport pathways (low confidence).

