BAYFAST-2017

Federal Facilities Workgroup

August 10, 2017

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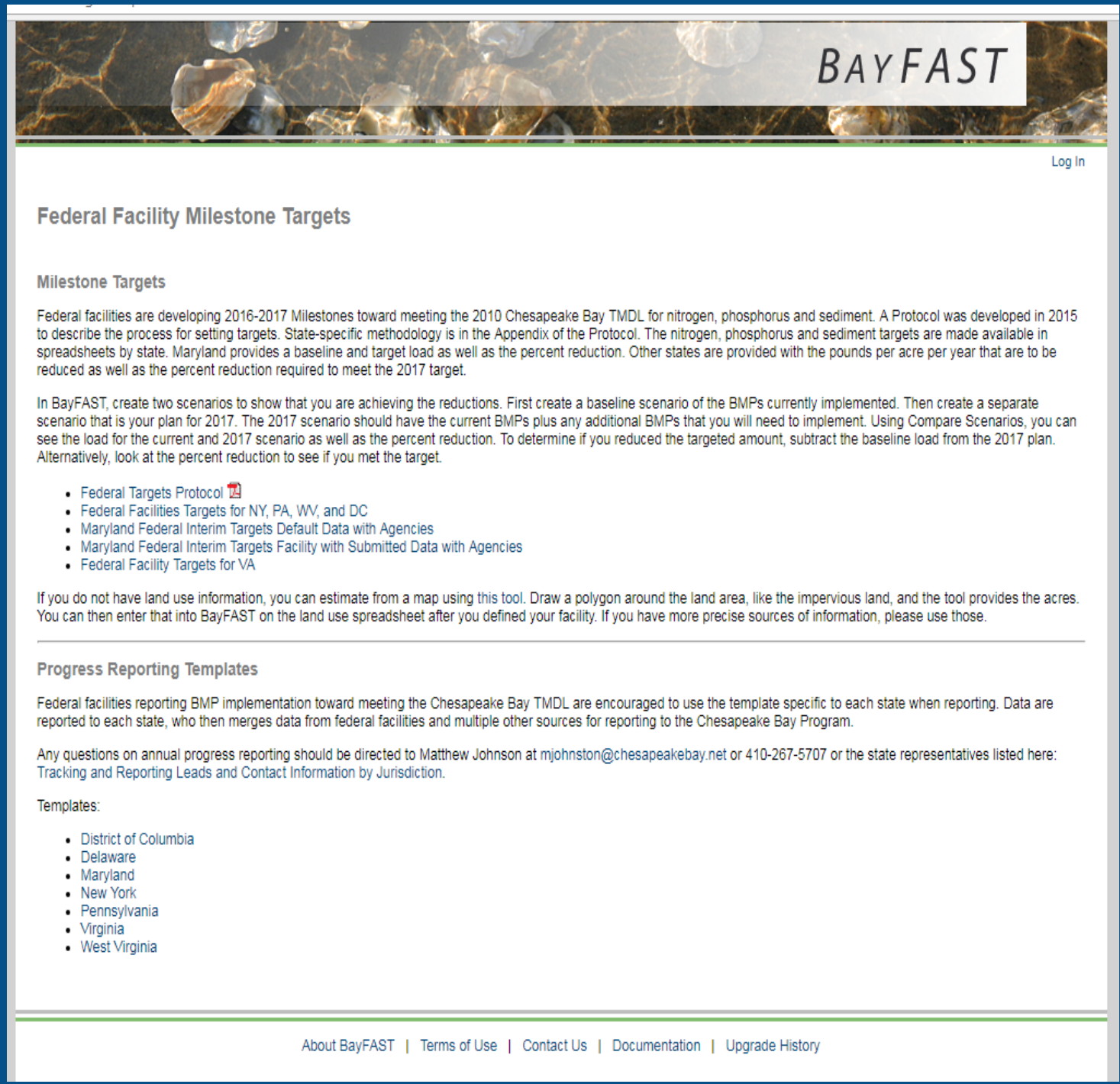
IMPETUS

- Federal Facilities were asked to display leadership in achieving the 2010 Bay TMDL (Executive Order 13508 Strategy for Protecting and Restoring the Chesapeake Bay Watershed)
- Federal facilities needed a smaller parcel than a county or modeling segment
- Land use was inconsistent with the federal facility planning scale
- Users
  - Federal Facilities
  - Local TMDL plans
  - River keepers and other watershed groups
  - NFWF proposal applicants



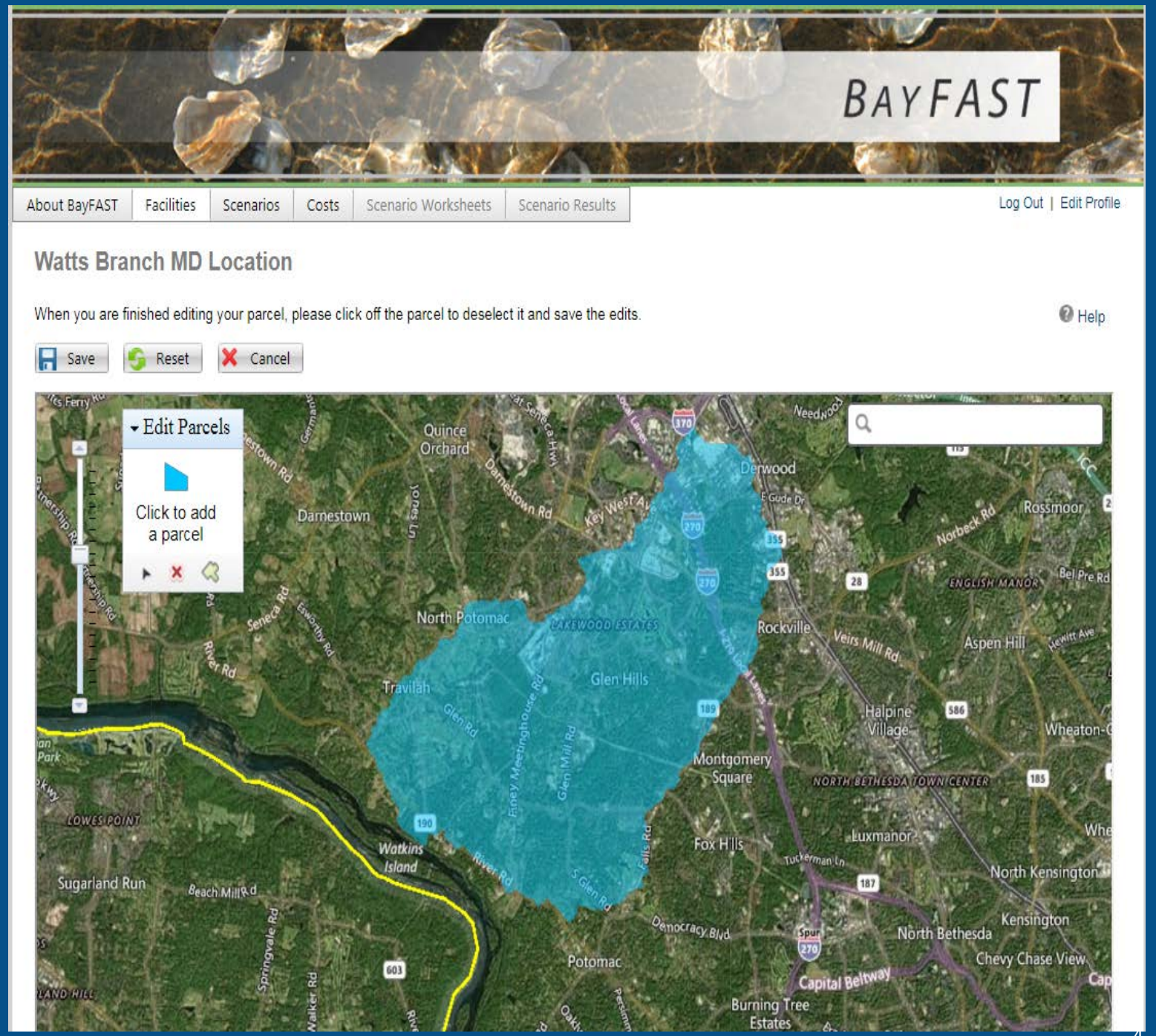
BAYFAST IN PHASE 6—DECISION ITEMS

- Terminology—Area of Interest instead of Facility or Parcel
- Agency—Is it needed for BayFAST-2017?
- Default Base Conditions

FACILITY, PARCEL, OR AREA OF INTEREST?

- Since BayFAST was originally developed for federal facilities, the term “facility” was used to denote the area drawn or selected.

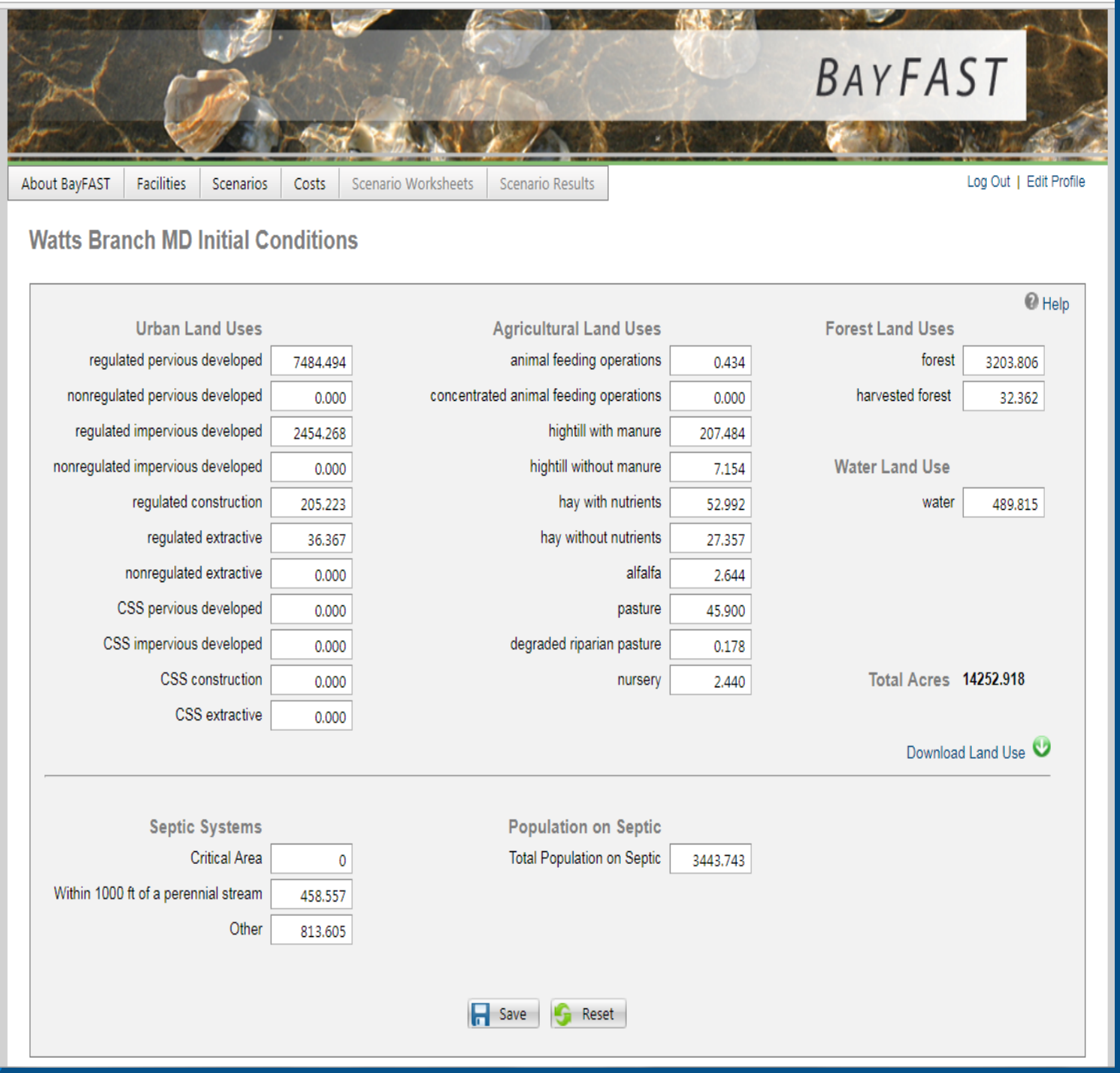
- “Area of Interest” may be a more accurate and broadly understood term.



AGENCIES

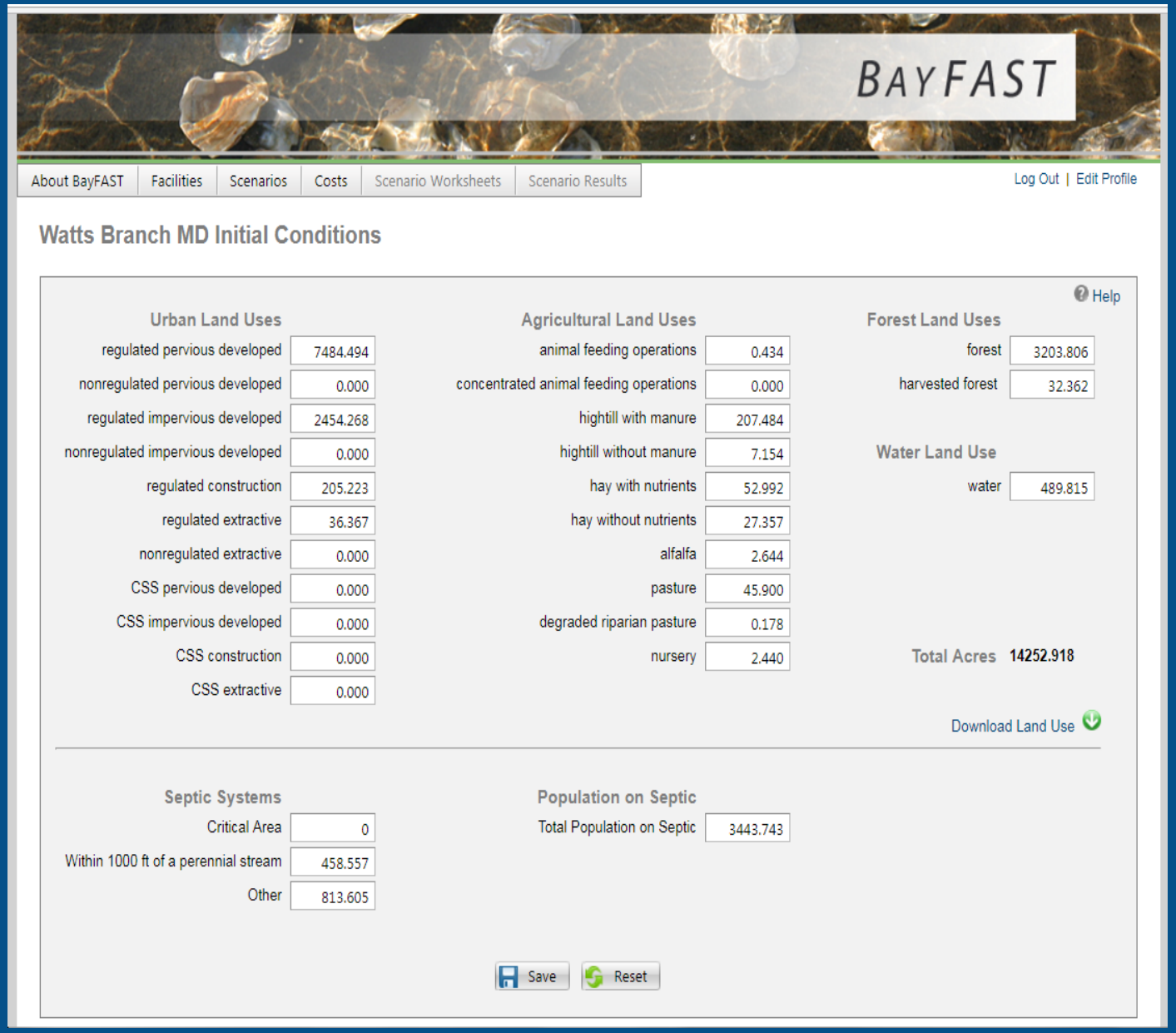
- Federal facilities now have Agency Types in CAST-2017 and no longer depend exclusively on BayFAST.
- Including agencies in BayFAST: (a) Select (or draw) an area; (b) define the load source area for 47 load sources * 12 agencies = 564 data to enter.

- Federal
  1. Agricultural Research Service
  2. Department of Defense
  3. General Services Administration
  4. National Aeronautics and Space Administration
  5. National Park Service
  6. Other Federal Land
  7. Smithsonian Institution
  8. US Fish and Wildlife Service
  9. US Forest Service
- Non-federal
  10. Non-Federal
  11. MD State
  12. MD State Highway Administration



DEFAULT CONDITIONS

- Map shows ESRI satellite imagery with labels.
- The load source, septics, and animal numbers are returned as defaults from the high resolution land cover.
- Users edit, and could enter illogical data.
  - No animals but keep feeding space
  - Keep animals but zero out feeding space
- Should we put limits on what users enter? Or is it an educational process for users with good documentation and “contact us” resources.
- Do we keep 10 crop types and 4 pasture types? Or lump together into crop or pasture to decrease the number of agricultural load sources.



RECOMMENDATIONS FROM THE WATERSHED TECHNICAL WORKGROUP

- Terminology
  - Area of Interest
- Agency
  - Not needed for BayFAST-2017?
- Default Base Conditions
  - Bound user entries for agricultural data
  - Land uses-crop, hay and pasture to decrease the complexity of agricultural land uses