

| SAFMC Product Name | Description | Council needs met | Maintained by | Intended Users | Pros | Cons |
|-------------------------------------|--|---|--------------------------------|---|---|---|
| SAFMC EFH | Mapping service of designated EFH and HAPCs for managed species. | Non-descriptive representation of designated EFH Links to textual descriptions of EFH | FWRI | Council, Council Staff, NOAA, NOAA HCD, State and Other Federal Agencies, Researchers, and the Public | Council controls content, presentation, and updates. Ability to integrate multiple types of information. Ability to provide existing rest services for other platforms to use latest shapefile of EFH. Cited by SERO HCD as the best repository for spatial representation of EFH and EFH-HAPCs. Ability to print custom maps. | Cost to maintain information (recurring obligations for contracts). |
| SA Fisheries | Mapping service of species distribution and abundance and SA survey data. Provides tools to query and chart data from the following fishery independent regional surveys Southeast Reef Fish Survey, Coastal Survey, Pamlico Sound Survey, and Longline Survey (SEAMAP-SA, MARMAP, and SEFIS). Data from 2019 and 2021-2022. | Provides abundance summaries for managed species. Will provide species distribution and shifts over time as heat maps. | FWRI SCDNR NCDMF GDNR | Council, Council Staff, NOAA HCD, State and Federal Agencies, Researchers and the Public | Council controls content, presentation and can rapidly identify, and FWRI develop and integrate new layers into the service (e.g., species distribution, diversity and richness) Ability to integrate multiple types of information. Ability to provide existing rest services for use by other platforms to use latest available survey data. Ability to print custom maps. | Cost to maintain information. |
| SAFMC Managed Areas | Mapping service of MPAs, C-HAPCs, SMZs, Spawning SMZs, GCAAs, SFAAs, and Spiny Lobster Trap Gear FMAs. Includes links to CFR, representative habitat photographs and videos. | Provides spatial representations of MPAs, C-HAPCs, SMZs, Spawning SMZs, GCAAs, SFAAs, and Spiny Lobster Trap Gear FMAs. | FWRI | Council, Council Staff, NOAA HCD, State and Federal Agencies, | Council controls content, presentation, and can rapidly update and serve new layers. "One Stop Shop" for SAFMC Managed Areas | Cost to maintain information. |

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| | | | | Researchers and the Public | Ability to integrate multiple types of information (e.g., shapefiles, kmfs) for viewing and map creation. Ability to provide existing rest services for other platforms to use latest representations of managed areas. Unique widget provides users' ability to analyze all managed area information within in a user defined area. Ability to print custom maps and reports. | |
| SAFMC Digital Dashboard | 1) Served Council Map Service Layers (EFH, Fisheries and Managed Areas). 2) Complementary Services (Nautical Charts, MultiBeam Bathymetry and other Habitats). 3) External Services (NOAA's Estuarine Bathymetry, BOEM Wind Planning Areas and NOAA Shaded Relief imagery) | Provides a Data Catalogue Downloadable layers in multiple formats and links to Rest Services. Provides links to Web Applications. Provides links to Regional and State Partners. | FWRI | Council, Council Staff, NOAA HCD, State and Federal Agencies, Researchers and the Public | Provides a Data Catalogue Downloadable layers in multiple formats and links to Rest Services. Provides links to Web Applications. Provides links to Regional and State Partners. | Cost to maintain information. |
| SAFMC Atlas | Searching and visualizing GIS data relevant to the Council's mission: Links to Managed Areas, Fisheries and EFH Map Services and links to related story maps, and other associated applications. The page also includes: link to Best Fishing Practices tutorial; and: an Integrated ACCSP dashboard . | Provides platform for access to all Council Web Services and all spatial layers. | FWRI | Council, Council Staff, NOAA HCD, State and Federal Agencies, Researchers and the Public | Access to all layers can be made through the Map Catalogue and associated Rest Services. Cost and Operation- Supports exiting investment in Server, Development Server, and all associated Arc GIS Web software necessary to maintain online Arc GIS Webservice and the Atlas (~\$150k investment). Updates and revisions track FWRI testing and use of new software and technologies inhouse then appropriate ones applied to SAFMC online system. | Cost to maintain information. |

| Regional Product Name | Description | Council needs met | Maintained by | Intended Users | Pros | Cons |
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| NMFS EFH Mapper | Mapping service of EFH and HAPCs for managed species designated by the Councils. | Supposed to present layers developed by Council based on EFH and EFH-HAPC designations. Links to textual descriptions of EFH | NOAA NMFS | NOAA, State and Federal Agencies, Researchers, and the Public | NMFS supported, no cost to Council in staff time or funds to serve. NMFS supported, so could meet NMFS MSA requirements | Viewer is not user friendly and currently does not include complete SAFMC information (e.g., SMZs, OHAPC) Process for updates is unknown and does not include discrete managed areas in EFH Mapper API Does not include viewable discrete individual spatial components of EFH for managed species or complex for each FMP. Layers presented in aggregate. Need to obtain direct staff GIS access to create maps for FMPs and only aggregated to FMP. NMFS HCD identifies SAFMC User Guide and EFH Web Service as providing the most up to date information on SAFMC EFH and EFH-HAPCs. |
| SEAMAP Data Portal | Coastal Trawl Survey Pamlico Sound Survey Coastal Longline Survey Southeast Reef Fish Survey Abundance & Biomass by Species Multispecies Downloads Length Frequency Life History (age, repro, etc.) | All funded SEAMAP -SA Surveys User driven queries by Survey and Data Type Metadata on SEAMAP.org User tracking. | SCDNR Developed and maintained by SCDNR IT | Regional data users | Serves all Fishery Independent data. | Requests went to SCDNR for data queries not spatial layers. In transition to SECOORA Data System for query and download. |
| SEAMAP/ SECOORA Online Database | Surveys in SEAMAP system To be included in New Data System: Tagging, Sea Turtles, and Diet | -Queries by Survey and Data Type -data summaries and comparisons among SEAMAP-SA Surveys & other SECOORA data | SECOORA | | In transition to SECOORA Data System. | Developing data access and limited spatially accessible layers online at this time. Funding not included to further develop spatial layers. |

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| Southeast Marine Mapping Tool | Provides access to regional ecological data to support ocean use decisions. | Draws EFH, Managed Area and other products through spatial layers developed, served and available through Council Atlas and Webservices. | TNC | Regional users addressing ocean uses. | Council staff serve on the Steering Committee. System developed drawing in part from spatial layers presented in SAFMC Web Services (e.g., Managed Areas, EFH). Coordinating web experts on developing links through rest services so layers are the most updated and accurate. | Functionality in development. Unable to stack multiple layers in and outside developing system. |
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