



CHESAPEAKE BAY TELEMETRY RECEIVERS AND DATA

June 2014 Status Update on Bay Receivers

| Project Name | Project P.O.C. | Description | Receiver(s) Location (please include map if possible) | Institution responsible for receiver operation |
|---|--|---|---|---|
| “Incorporating habitat use and dispersal into the trophic dynamics of an exotic top predator” | Dr. Matt Ogburn ogburnm@si.edu 443-482-2203 | Document movement and habitat use of blue catfish in the Patuxent River and Nanticoke River. In addition to passive receiver array, we are conducting a mobile telemetry survey every 2 months in 2014 in the Patuxent River. To date we have collected data from August 2013 – April 2014. | Patuxent River (see figure below for details) | Smithsonian Environmental Research Center |
| “Biotelemetry of cownose rays in Chesapeake Bay: habitat use, movement, and long distance migration.” | Dr. Matt Ogburn ogburnm@si.edu 443-482-2203 | Document habitat use and timing/routes of migration of adult cownose rays in Chesapeake Bay. This study is just beginning. | West, Rhode, South, and Severn Rivers and Annapolis, Goose's Reef and Potomac CBIBS buoys | Smithsonian Environmental Research Center (NCBO is assisting through CBIBS program for deployment of 3 cabled receivers on buoys) |
| Atlantic Sturgeon in Chesapeake Bay (Section 6 funding) | Greg Garman (ggarman@vcu.edu) Matthew Balazik (mbalazik@vcu.edu) | Assess migration patterns, in-system movements, and habitat associations for adult and juvenile Atlantic Sturgeon in a coastal river | Tidal James River from Richmond to Newport News (approximately 50 VEMCO VR2Cs and VR2Ws); Tidal Rappahannock River (3 VEMCO VR2Ws) | Virginia Department of Game and Inland Fisheries and Virginia Commonwealth University Virginia Commonwealth University |

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| Atlantic Sturgeon in Chesapeake Bay (Section 6 funding) | Greg Garman (ggarman@vcu.edu) Matthew Balazik (mbalazik@vcu.edu) | Deploy a VPS (VEMCO Positioning System) acoustic array to evaluate behavioral responses to threats, including dredging and ship strikes, by adult Atlantic Sturgeon in a coastal river | Tidal James River and Tidal Delaware River | Virginia Commonwealth University and Delaware State University |
| Navy Telemetry Tracking of ESA-species in the lower Chesapeake Bay | Carter Watterson (757-322-8137; carter.watterson@navy.mil) | To determine the utilization of the lower Chesapeake Bay by ESA-listed and candidate species including sturgeon, sea turtles, and herring. | Lower Chesapeake Bay, Elizabeth River, York River, Pamunkey River, Chickahominy River, mouth of the James River, Atlantic Ocean off Virginia (see map) | U.S. Department of the Navy |
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Figure 1. Dr. Matt Ogburn

The SERC telemetry array as of 5/27/2014. Locations with yellow markers currently have receivers deployed. Locations marked in orange are sites where we anticipate deploying receivers beginning in June, 2014.

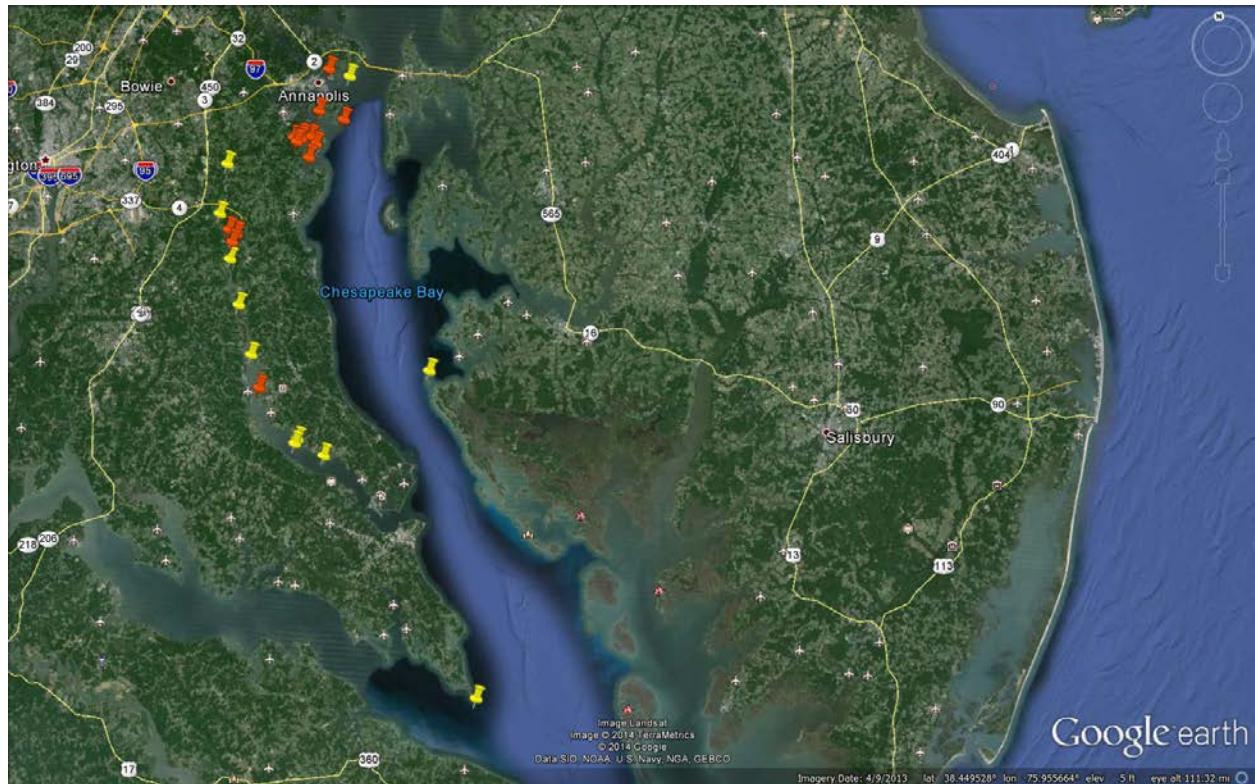


Figure 2. Carter Watterson

Navy Telemetry Tracking of ESA-species in the lower Chesapeake Bay

