

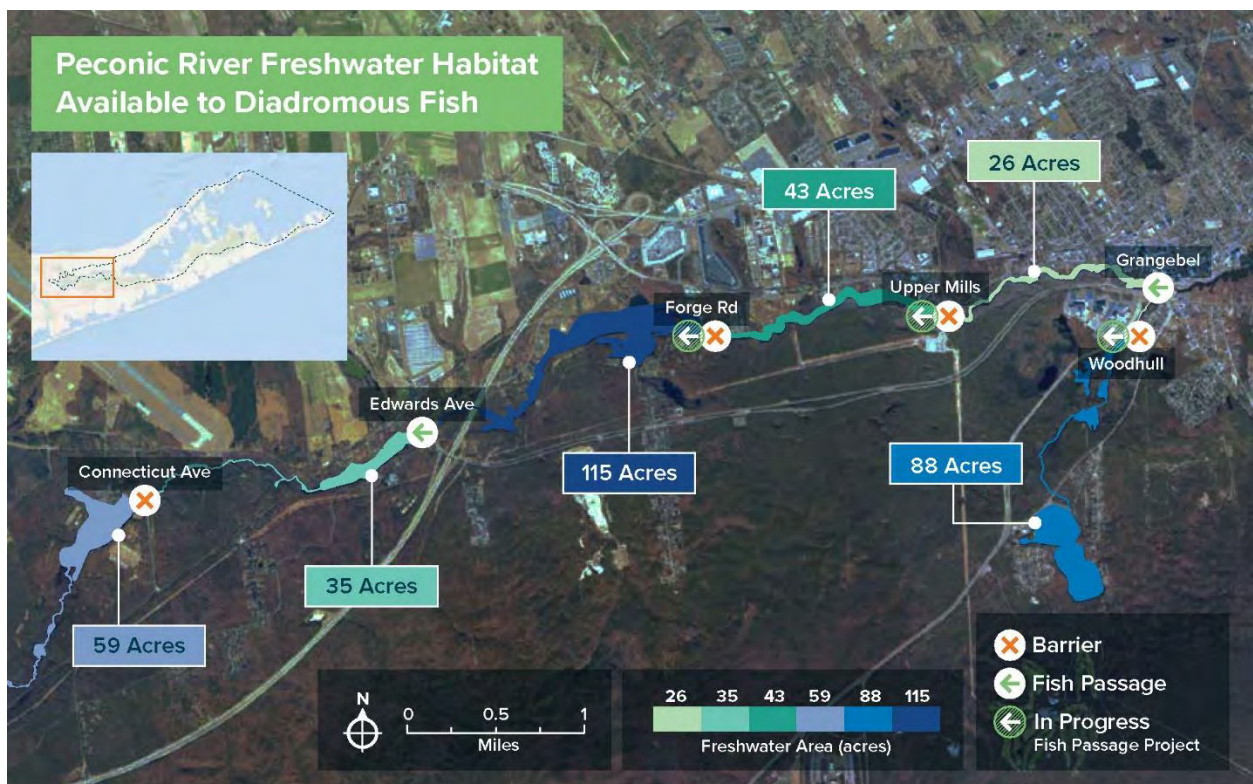
# 2021 Long Island Volunteer River Herring & Eel Survey

## East End Monitoring Locations

\*\*Unless otherwise noted, contact Elizabeth Hornstein, Peconic Estuary Partnership State Coordinator for more information on these monitoring sites at (631) 444-0871 or [elizabeth.hornstein@dec.ny.gov](mailto:elizabeth.hornstein@dec.ny.gov).

### Peconic River

The Peconic River runs from Brookhaven National Lab to Flanders Bay. Alewife restoration efforts have been heavily focused on the Peconic River over the last couple decades. Until recently, the Peconic River had six dams along its length that prevented diadromous fish species from migrating up and downstream. In 2010, a fishway or rock ramp was built at the Grangebel Dam, and in 2016 another fish passage project was completed at the Edwards Avenue Dam. All dams on the Peconic River, with the exception of the most upstream dam, are in some phase of river connectivity restoration – see map below.



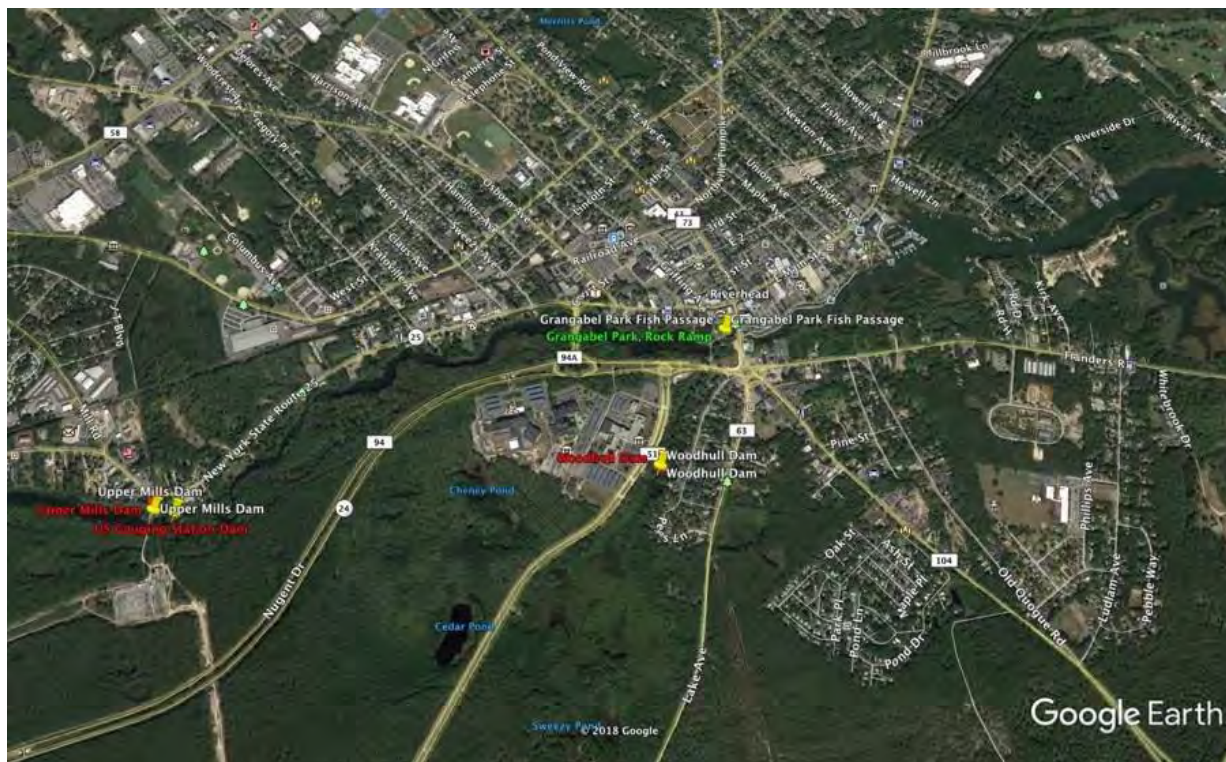
It is estimated that 30,000-60,000 spawning alewife use the Grangebel Park rock ramp. Currently, a majority of the river herring population that uses the Grangebel rock ramp end up at Woodhull Dam on Little River, spawning below the dam each year in a stalled effort to reach

upstream habitat. Fish also end up at Upper Mills Dam, the next major barrier on the main stem of the Peconic River.

### Monitoring Locations

**Grangebel Park fishway, Woodhull Dam, and Upper Mills Dam.** PEP is conducting extensive monitoring at the Grangebel fishway and Woodhull Dam, so volunteer effort should be focused at Upper Mills Dam. **Upper Mills Dam** is located on Middle Country Road, off State Highway 25. There is a NYSDEC kayak/canoe access site here with a parking area. There is a USGS gauging station and weir just downstream of the dam. Fish are most likely to be seen at the base of the weir – see map and site photos below.

While we do not need volunteer monitors at Woodhull Dam, if you are in the area, this is an excellent place to easily view alewife and other wildlife. **Woodhull Dam** is located at 300 Center Dr S, Riverhead, NY 11901. You can park at the Suffolk County Riverhead Center on Center Dr and then walk across the street to the Dam.





Grangebel Rock Ramp



Woodhull Dam



Upper Mills Dam and Weir



## Hubbard County Park

In winter 2018/2019, Suffolk County Parks repaired two spillways at Hubbard County Park along Mill Creek and included a fish passage within one of the structures. This site should be monitored for signs of fish using the newly constructed fish pass.



## Monitoring Location

Park where the X is on the map, then walk along the trail to reach the fish passage (red pin).

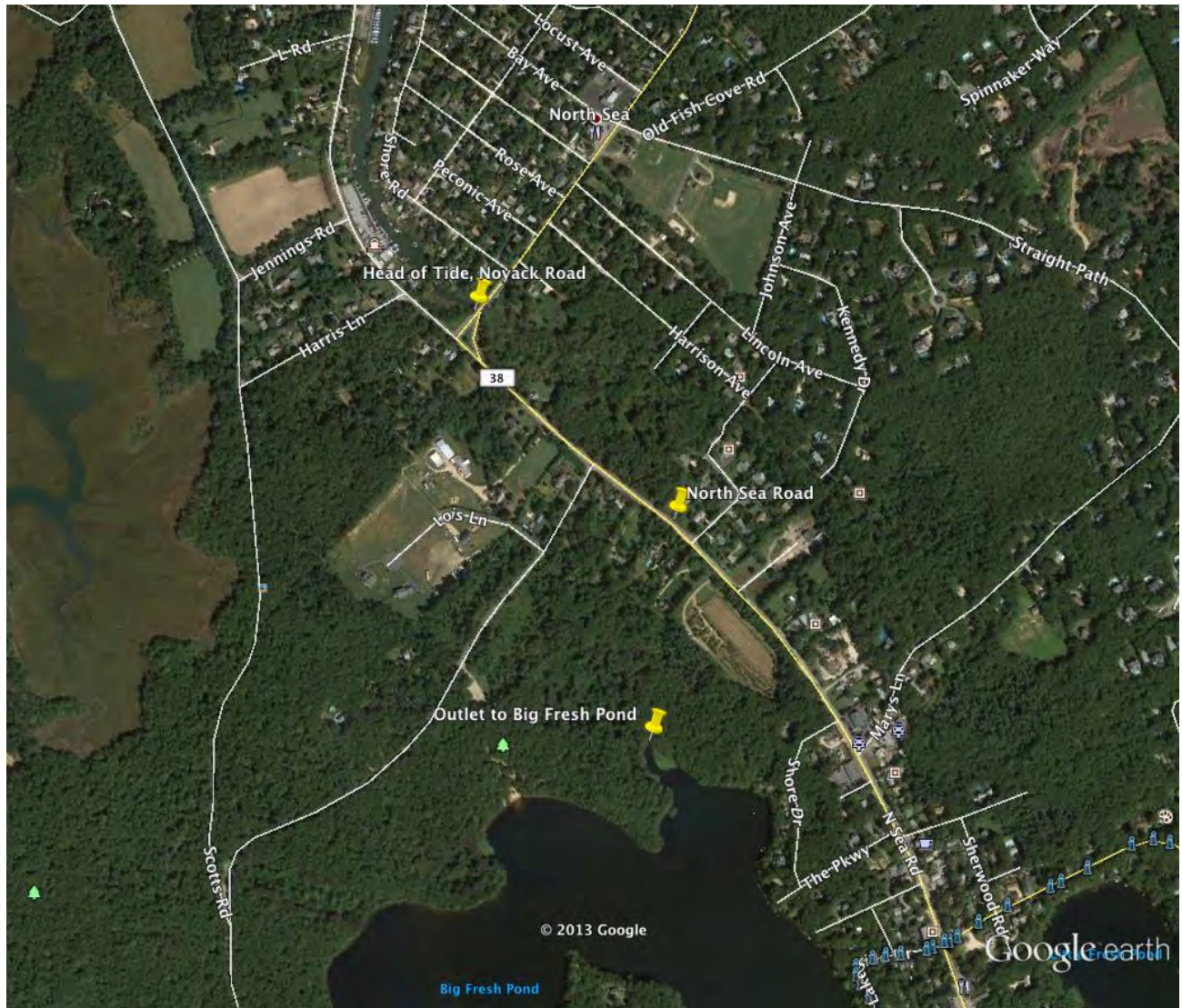


Site photos



## Alewife Creek

\*\*Peconic Baykeeper will be leading and coordinating alewife monitoring on this creek. If you are interested in helping with monitoring at this site, please contact Pete Topping at [pete@peconicbaykeeper.org](mailto:pete@peconicbaykeeper.org) or (631) 653-4804.



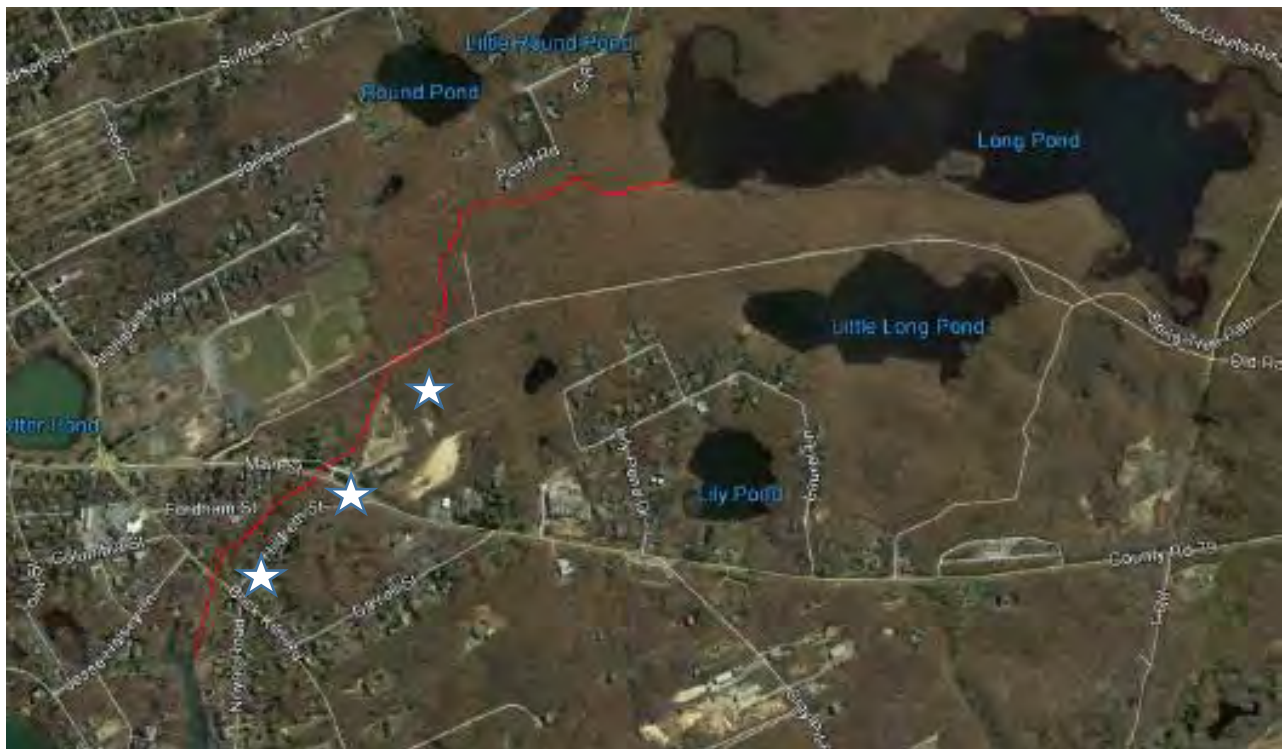
Alewife Creek runs relatively unobstructed between Big Fresh Pond and North Sea Harbor and boasts Long Island's premier alewife migration run. The size of the run has been estimated at over 100,000 fish. However, this impressive run could potentially be improved, by enhancements at both the Noyack Road and North Sea Road crossings. Southampton Town recently received a NYS grant to upgrade the culvert at Noyack Road and improve stormwater treatment at this site.

## Ligonee Brook

Ligonee Brook connects Long Pond to Sag Harbor Cove. PEP funded a Conceptual Habitat Restoration Design, which was completed in 2013, that assessed the potential for restoration of freshwater flow and freshwater wetlands through culvert remediation/replacement, in order to enhance historic alewife runs and American eel passage within Ligonee Brook. The study determined that Ligonee Brook does not include any barriers that prohibit fish from reaching Long Pond under ideal flow conditions; however, the study noted that several crossings severely limit natural stream continuity and should be improved or replaced once their service life has been exceeded. One of recommendations from the conceptual design was done by the Friends of Long Pond Greenbelt in 2014. Two culverts under the Old Rail Road Crossing were removed and a small pedestrian bridge was installed. Culvert remediation at the Bridgehampton-Sag Harbor Turnpike crossing will hopefully happen during Suffolk County's planned remediation of CR 79- Bridgehampton-Sag Harbor Turnpike. Fish may be seen at any of the crossings if there is enough flow.

### **Monitoring Locations**

*Brick Kiln Road Crossing, Turnpike Crossing, and Old Rail Road Crossing*







Looking downstream at the Brick Kiln crossing



The downstream side of the Turnpike crossing – these two pipes merge into a concrete between the active Turnpike and the old road.

## Scoy Pond/Alewife Brook

Alewife Brook, Alewife Pond and Scoy Pond (freshwater) are linked to Northwest Harbor. East Hampton Town recently replaced the culvert at Alewife Brook Road that leads to Scoy Pond. This site should be monitored for signs of fish using the upgraded culvert.

### **Monitoring Location**



North side of road



South side of road





Little Reed Pond Crossing



Big Reed Pond Crossing





**\*\* Juvenile alewife have been captured by NYSDEC in Big Reed Pond**

### **Stepping Stones Pond Monitoring Site**

Look for fish on the downstream side of the Old West Lake Dr culvert





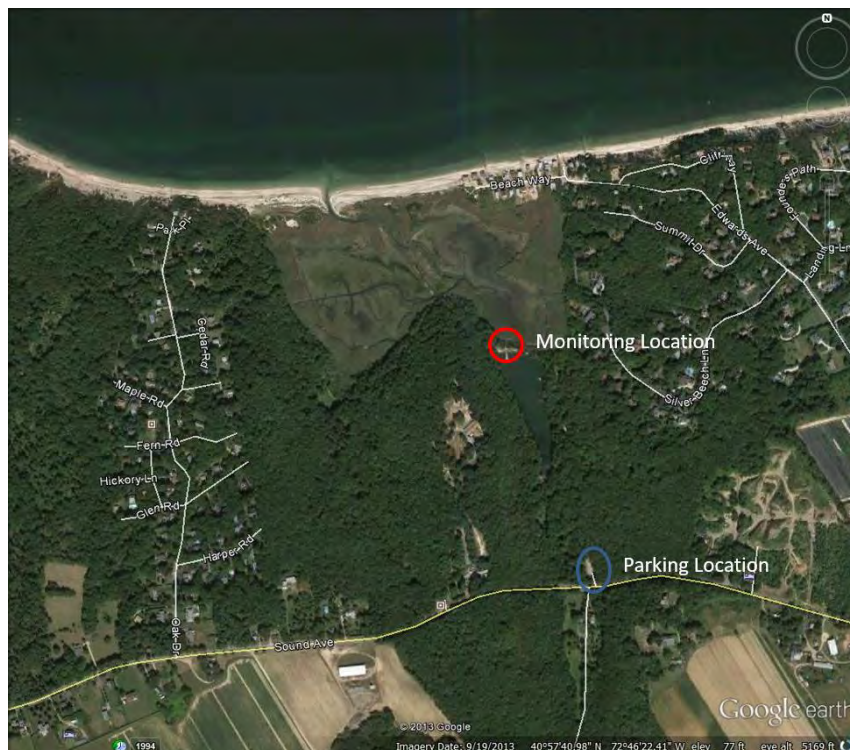
## Camp Baiting Hollow Boy Scout Camp

\*\* Please contact Victoria O'Neill the Long Island Sound Study Habitat Restoration & Stewardship Coordinator at NYSDEC at #631-444-0441 or [victoria.oneill@dec.ny.gov](mailto:victoria.oneill@dec.ny.gov), if you choose this site so that she can notify the Boy Scout Camp that you are monitoring this location. Or, please check-in with the main office at the Boy Scout Camp prior to monitoring the site.

**Address:** 1999-1987 Edwards Ave , Baiting Hollow

**Coordinates of the Dam:** 40.965316, -72.769646

**Site Details:** You can park your car at the small parking lot at the end of Edwards Ave and hike along the beach to the park trail. Once on the trail head south toward the dam. Once at the dam, you will be looking for alewife on the north side of the spillway (in the tidal section). Alewife will be trying to enter the pipe.







**Photo A. Alewife may be seen on the north side of the spillway in the tidal section of the creek.**



**Photo B. When standing on the dam the alewife may be seen on north side of the spillway.**

# Southeast Long Island Streams

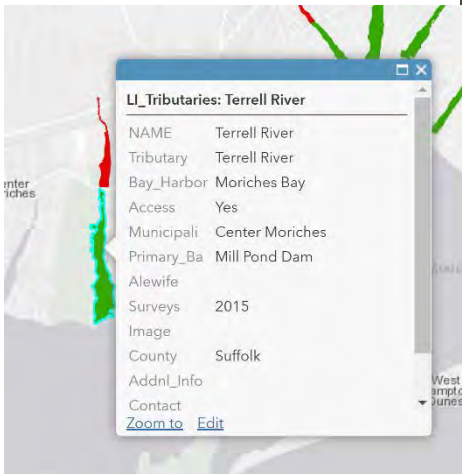
\*\* For more information on these sites, contact Emily Hall, Conservation Policy Advocate with Seatuck Environmental Association at 631-581-6908 or [ehall@seatuck.org](mailto:ehall@seatuck.org).

*There is a data gap in the River Herring survey from the Moriches to Quogue area. We could use more help monitoring these streams and have located a few with decent access.*



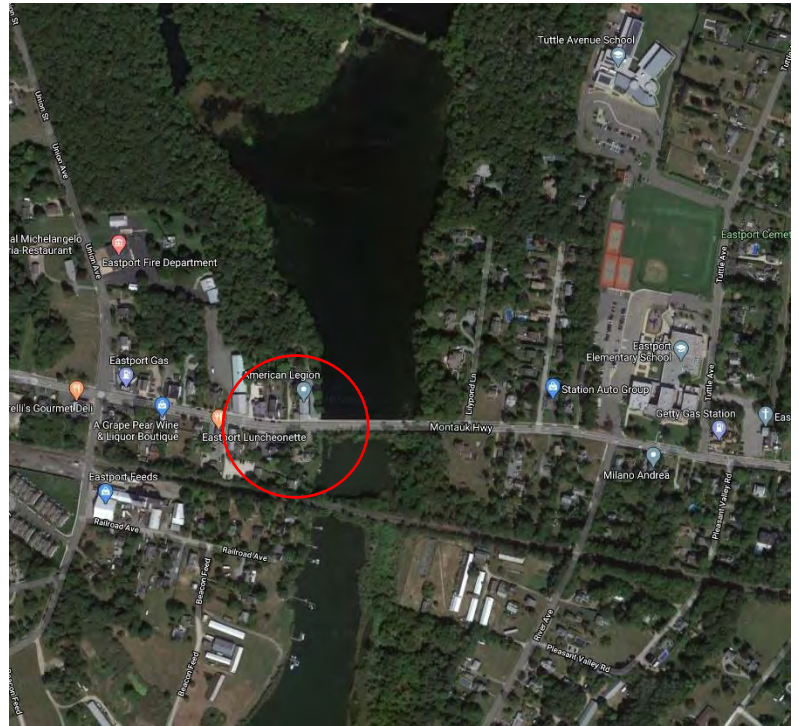
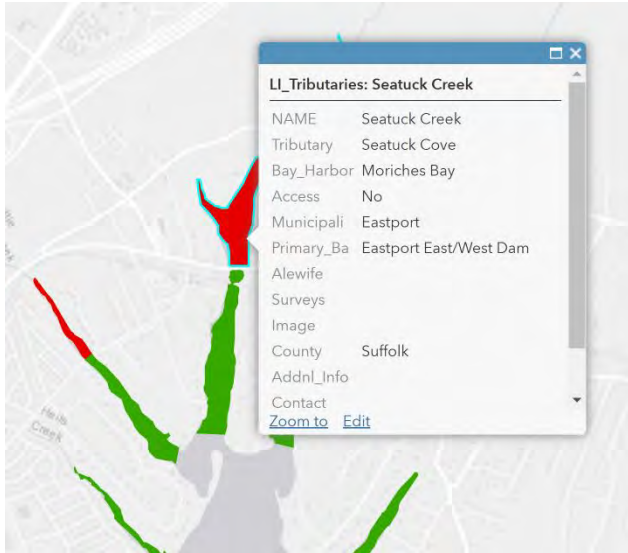
## 1. Terrell River/Mill Pond Dam (Center Moriches)

- There is some easy access locations at Kalers Pond Park (Mill Pond Dam). North and South of Montauk Highway would be helpful to view, easier access at the culvert north of Montauk Highway at Kalers Pond Park.
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## 2. Seatuck Creek (Eastport)

- Ok access, fish possibly viewable south of Montauk Highway. Dam on north side has a significant drop.



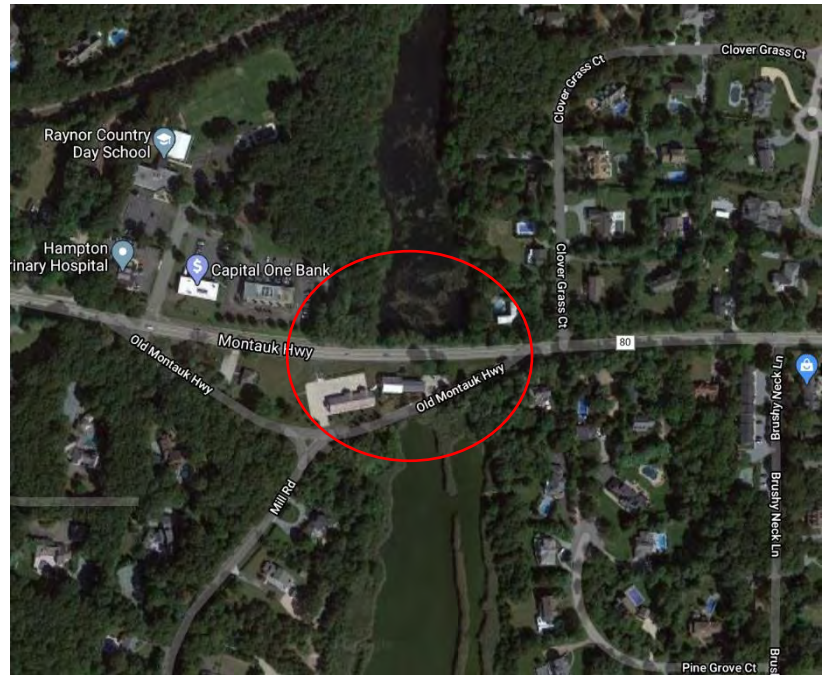
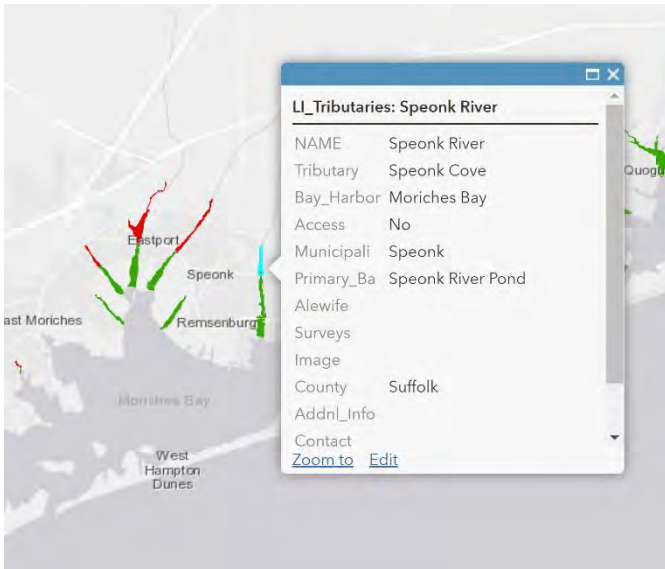
(North of Montauk- Dam)



(South of Montauk)

### 3. Speonk River (Speonk)

- Great access and easy to see where fish may come up. The river goes underneath an old mill that is now renovated office space. South of Old Montauk Highway there is another pipe where volunteers may also be able to see fish.



Culvert north of Mill



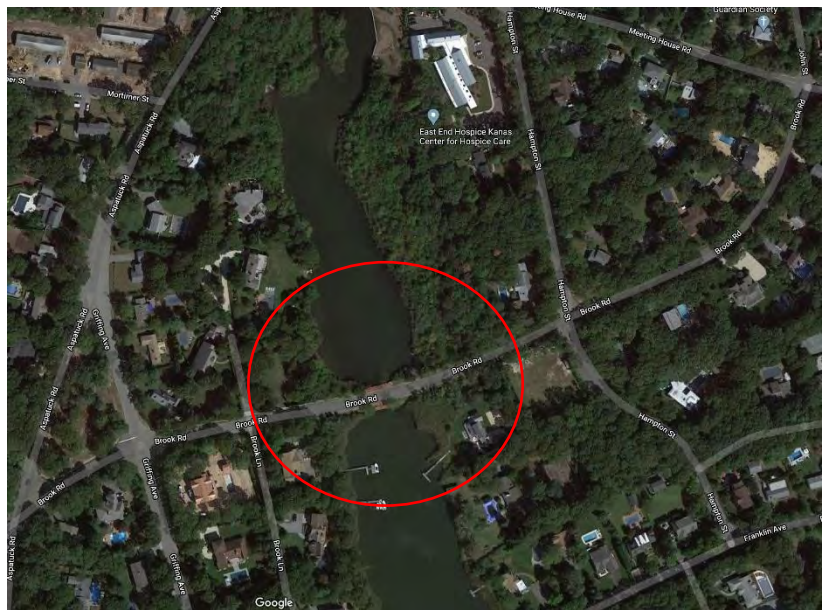
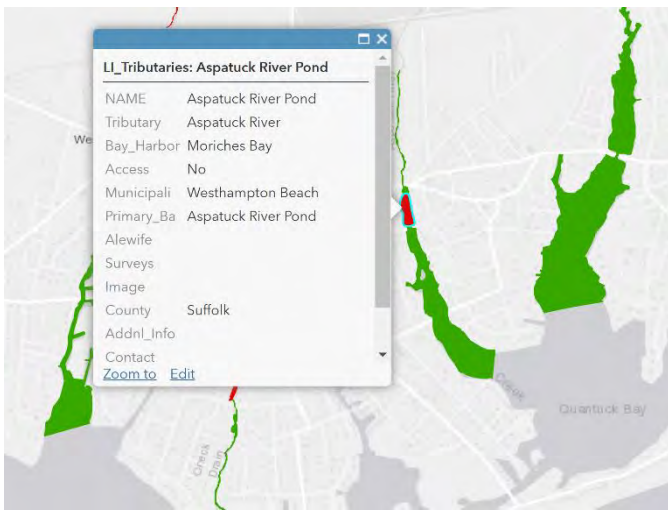
Underneath Mill



Pipe South of Old Montauk Highway

#### 4. Aspatuck River/Pond (Westhampton Beach)

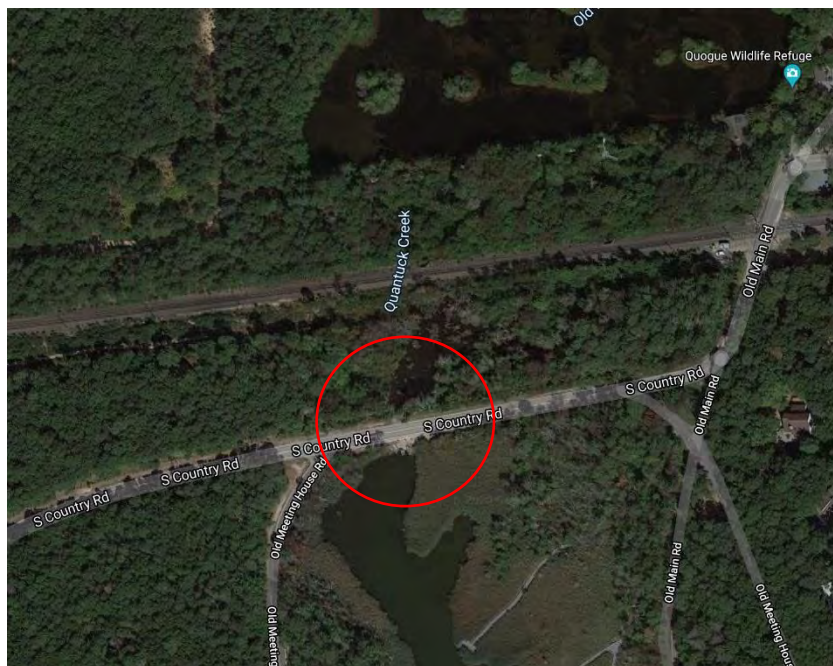
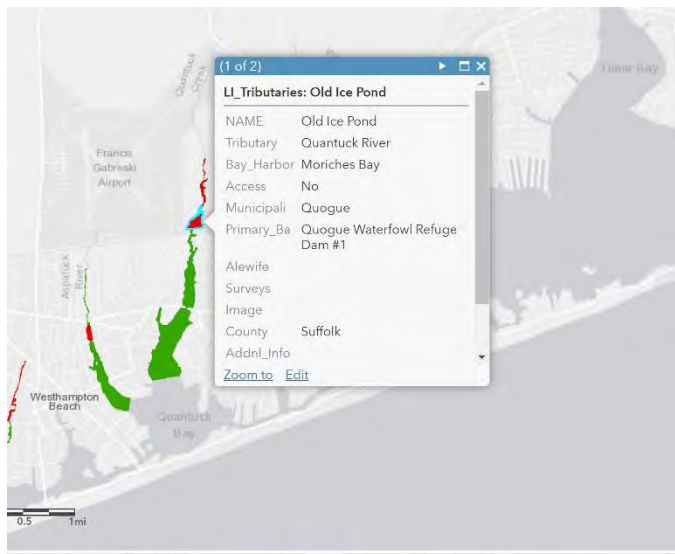
- Great access at Brook Road, easy to see if fish may be present south of Brook Road.



(South of Brook Road)

## 5. Quantuck Creek (Quogue)

- Good access at South Country Road, fish may be viewable north and south of the road. Looks like there is also a kayak launch south of the road.



North of South Country Road



South of South County Road



South of South County Road