



## • Methuen, MA

- Off East Capitol Street and Marc Ave, two ditches were restored to their original dimensions after being completely overgrown by *Phragmites australis*, an invasive common reed.
- NEMMC mowed the invasive species so that the remains of the existing ditch could be found.
- Excavation of the invasive vegetation allowed water to flow into a nearby larger ditch.







- Newburyport, MA (1/2)

- From Opportunity Way to Malcolm Hoyt Drive invasive species overgrowth choked a ditch which was causing major flooding to nearby businesses.
- After mowing, only a small stream was visible. NEMMC excavated the ditch to it's original dimensions to accommodate water during heavy rainfall.
- The town disposed of the spoil and jetted the culverts allowing for water to move to Little River.





- Newburyport, MA (2/2)







- Lynnfield, MA

- Hand ditch maintenance (HDM) was completed along Hawkes Brook between the culverts of Fletcher Road and Timberhill Lane.
- HDM is when the crew removes stream impediments that are blocking the flow of water within an established ditch. Small hand tools such as rakes, and chainsaws are used.
- These blockages can lead to flooding and pools of water where mosquitoes can breed.







- Nahant, MA

- From White Way to Flash Road, *Phragmites australis* and other vegetation grew over the ditch that ran through this town owned land.
- NEMMC mowed and excavated the overgrown vegetation as to allow the water to flow as it did when it was first excavated.





- Nahant, MA

- Over the years, you can see from satellite imagery that the vegetation has slowly grown over the ditch.

1995



2009



2020

