

# Great Marsh Institute

Supporting the Mayfly water sensor loggers at Great Marsh

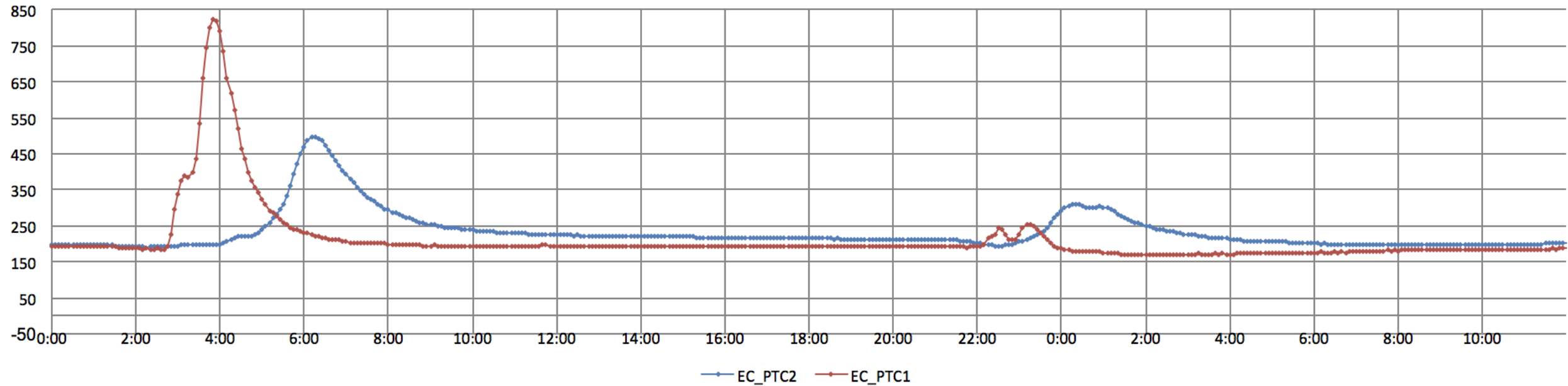
# Phragmitus invasion in Great Marsh

- Salt runoff from the Pa Tpk
- Offer of remediation bank to PaTpk
- Data to determine the extent of salt runoff and environmental impact
  - Conductivity data at selected locations
  - Soil samples
  - Map extent of Phragmitus
- [Drone Video \(150m, -90°\)](#)
- [Drone Video \(100m, -30°\)](#)

Phragmites visible as blue-green area



# PTC\_1(red) and PTC\_2(blue) 1/8/2019



Showing time delay for a storm water runoff event at  
the turnpike culvert underpass (PTC\_1)





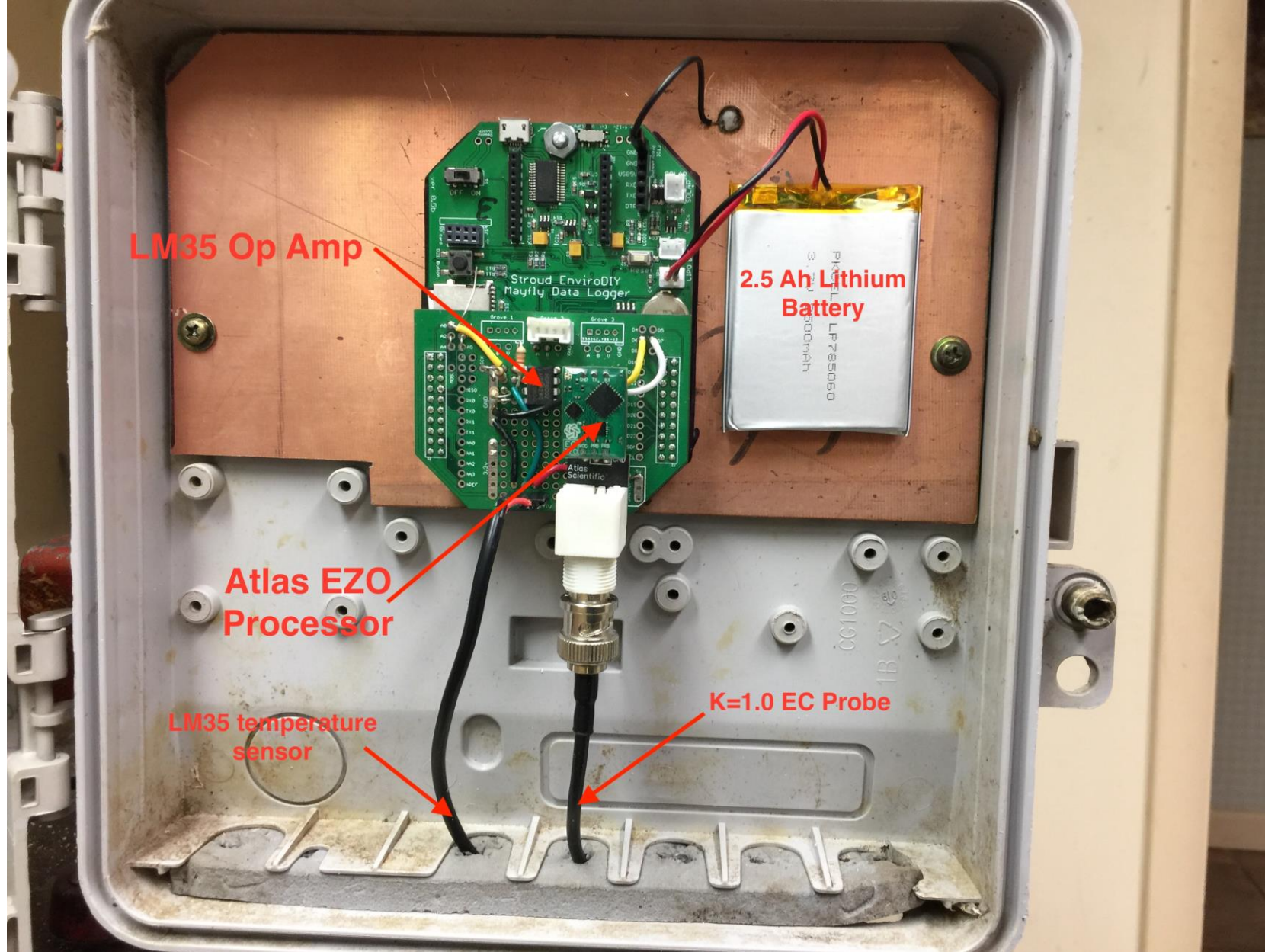
PTC1 located on a culvert that crosses under the Pa Turnpike





Access to PTC1





Mayfly based EC and temperature logger





Beaver proofing SL149





Beaver proofing (cont)