



Bridgewater State University

## Virtual Commons - Bridgewater State University

---

Watershed Access Lab Projects

Watershed Access Lab

---

5-6-2004

### Turbidity: An In-depth Look at Long Pond

Follow this and additional works at: [https://vc.bridgew.edu/wal\\_projects](https://vc.bridgew.edu/wal_projects)



Part of the [Environmental Monitoring Commons](#), and the [Natural Resources and Conservation Commons](#)

---

#### Recommended Citation

Apponequet Regional High School, Lakeville, Massachusetts (2004). *Turbidity: An In-depth Look at Long Pond*. In Watershed Access Lab Projects. Project 11.  
Available at: [https://vc.bridgew.edu/wal\\_projects/11](https://vc.bridgew.edu/wal_projects/11)

This item is available as part of Virtual Commons, the open-access institutional repository of Bridgewater State University, Bridgewater, Massachusetts.

# **Turbidity**



**An in depth look at Long Pond**

# Long Pond

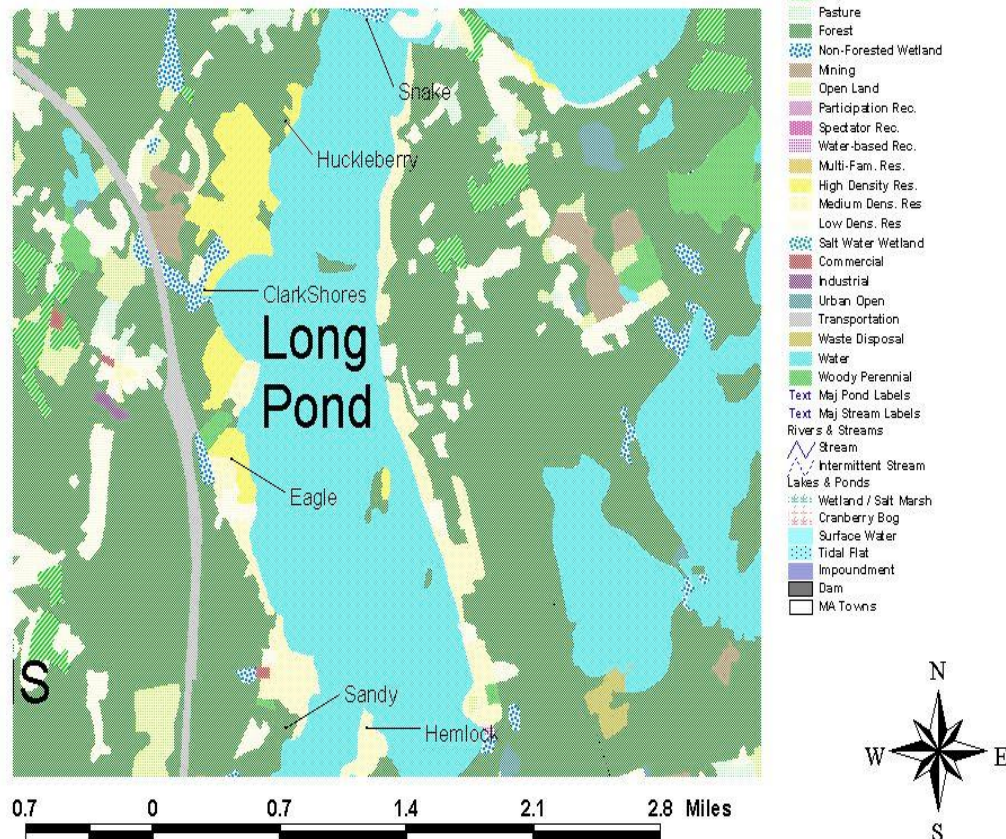


- Long Pond is located in south eastern Massachusetts.
- It occupies 1721 acres.
- The average depth is 6 feet and the maximum depth is 15 feet.
- Long Pond is part of the Taunton watershed.



# Land Use

## Long Pond



- **Farmlands**
- **Residential areas**
- **Wetlands**
- **Gravel pits**
- **Commercial Industry**
- **Recreation**
  - boating, fishing, swimming

# **Turbidity**

- A measurement of the amount of light particles in the water.
- A measurement of the clarity of water.

# Sampling

- Secchi disk.
- Measured Nitrates and phosphates.
- Measured DO, Ph, Temperature using the hydrolab.

# SITES

LAKEVILLE

North End

My Dock

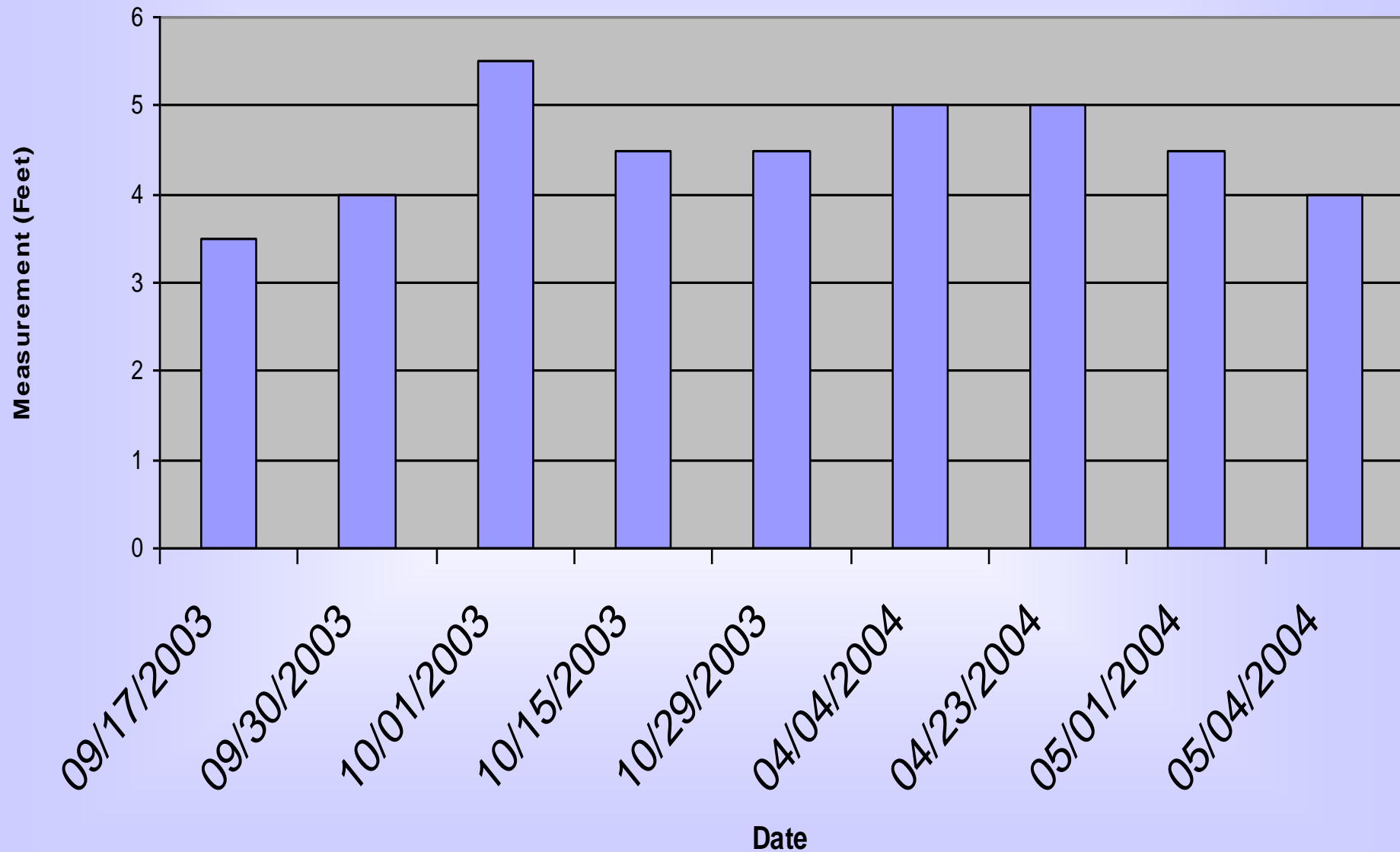
Point of Cove

Cove

FREETOWN

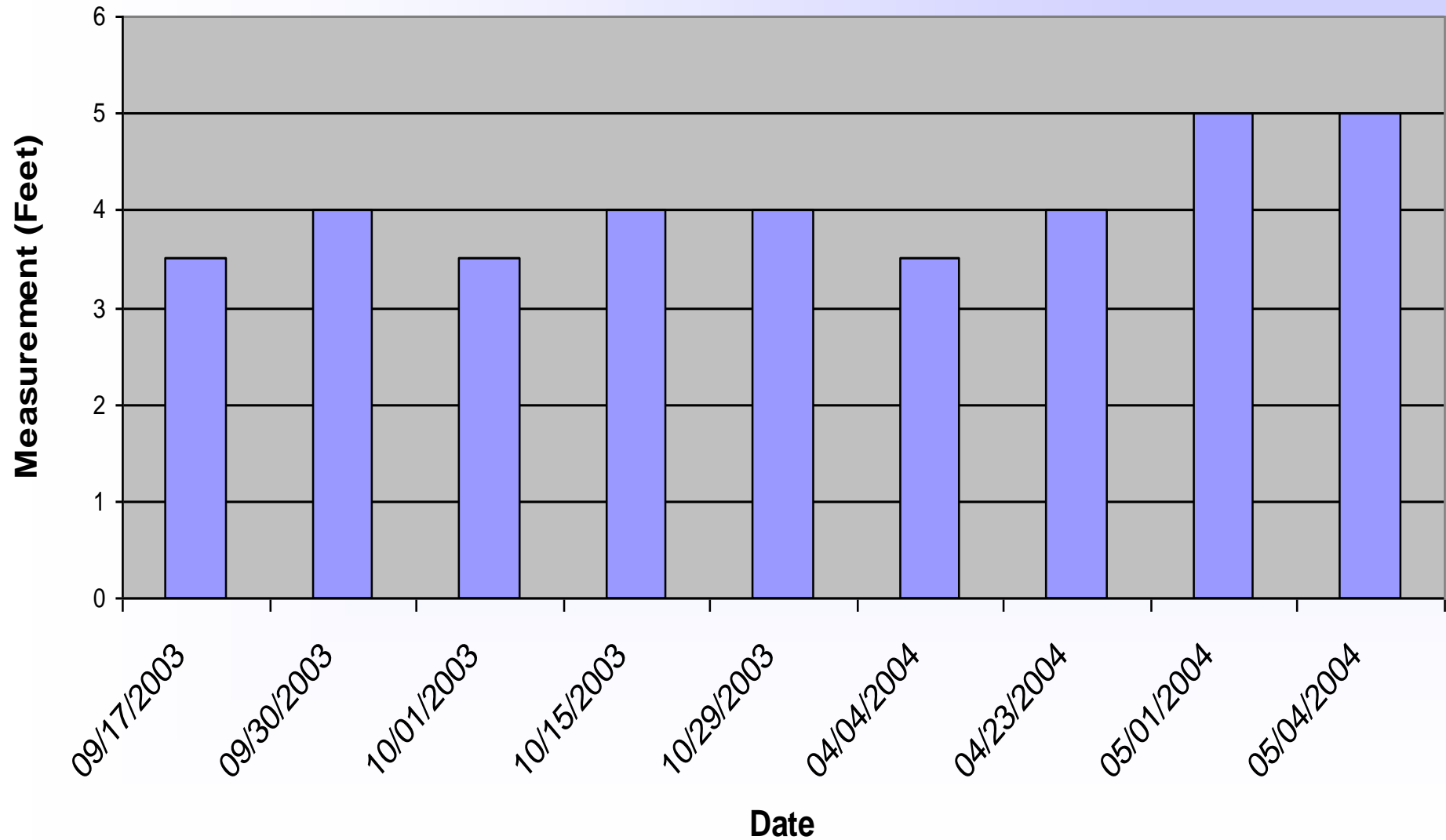


# North End

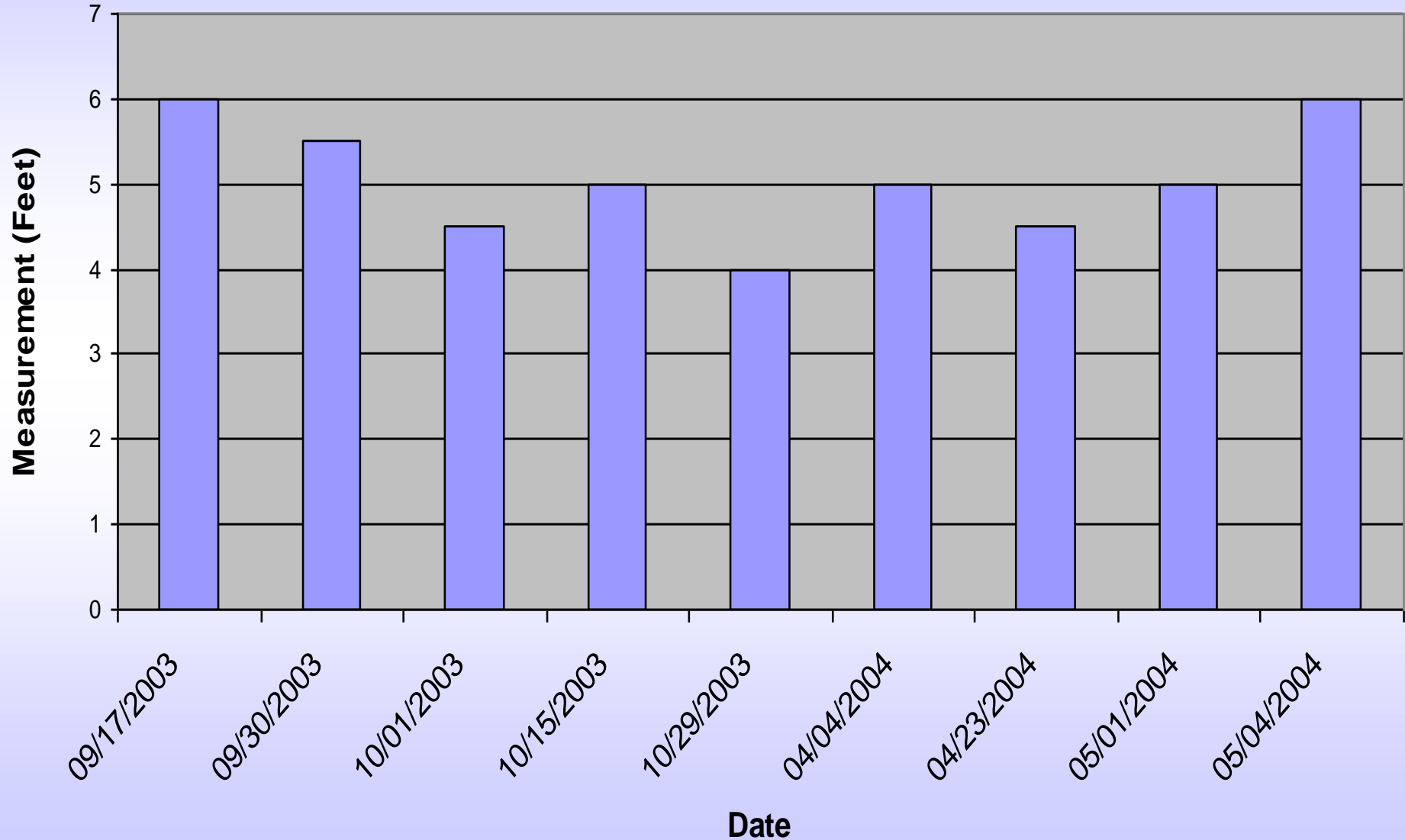




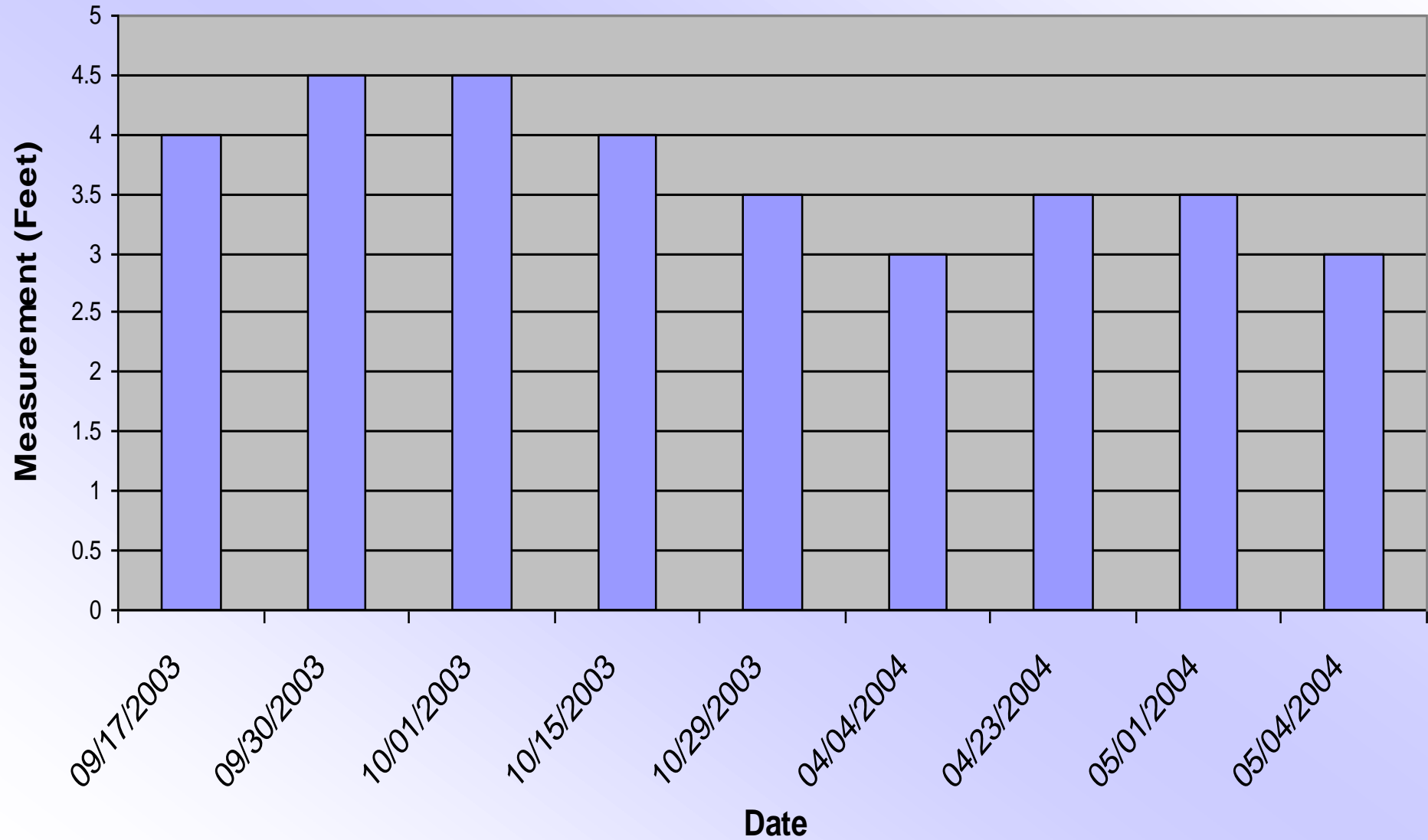
# My Dock



# Point of Cove



# Cove



# Conclusion

- Turbidity is not as bad as originally suspected.
- Water quality indicators are within normal values.
- Sediment and physical features are the cause of concern over turbidity.
- Milfoil and other invasive species are the largest danger for Long Pond and surrounding bodies of water.



# **Special Thanks**

- **Mrs. McNally**
- **Ms. Kim McCoy**
- **Dr. Curry**
- **Apponequet High**
- **BSC**