A satellite map of the Assawompset Pond Complex in Lakeville, Massachusetts. The map shows the large Assawompset Pond in the center, surrounded by several smaller ponds including Elders Pond, Pocksha Pond, Great Quittacas Pond, Little Quittacas Pond, and Long Pond. To the west of the ponds is the town of Lakeville, with roads like Main St, Rhode Island Rd, and Myricks St. Further west, the map shows Taunton, including Taunton Municipal Airport and Myricks Airport. To the east, parts of Middleborough and Wareham are visible. Major roads like Interstate 495 and State Routes 18, 79, and 140 are marked. The text "Assawompset Pond Complex" is overlaid in large black font, and "Lakeville Library" and "December 6, 2011" are overlaid in smaller black font.

Assawompset Pond Complex Informational Meeting

**Lakeville Library
December 6, 2011**

Quarterly Working Task Group

- Taunton DPW – William Schwartz
- New Bedford DPW – James Ricci, Charles Kennedy
- Middleborough DPW – Andrew Bagas
- Herring Commission – David Cavanaugh
- Freetown Building Dept – Paul Bourgeois
- Lakeville Selectmen – Scott Belliveau
Town Administrator – Rita Garbitt
- Dept of Environmental Protection – Jonathan Hobill,
Pamela Truesdale
- 12th Bristol State Representative – Keiko Orrall
- Rochester – To be announced

Goals

- Communication between all six towns with regard to the water levels in the Assawompset Water Complex
- Maintenance of target water levels
- Communication with public

Factors Affecting Water Levels

Dams

Nemasket River Flow

Rainfall

Groundwater

Dams

Assawompset Dam

- Sept 12, 2011 –
Taunton /New Bedford
began removing boards
from the Assawompset dam



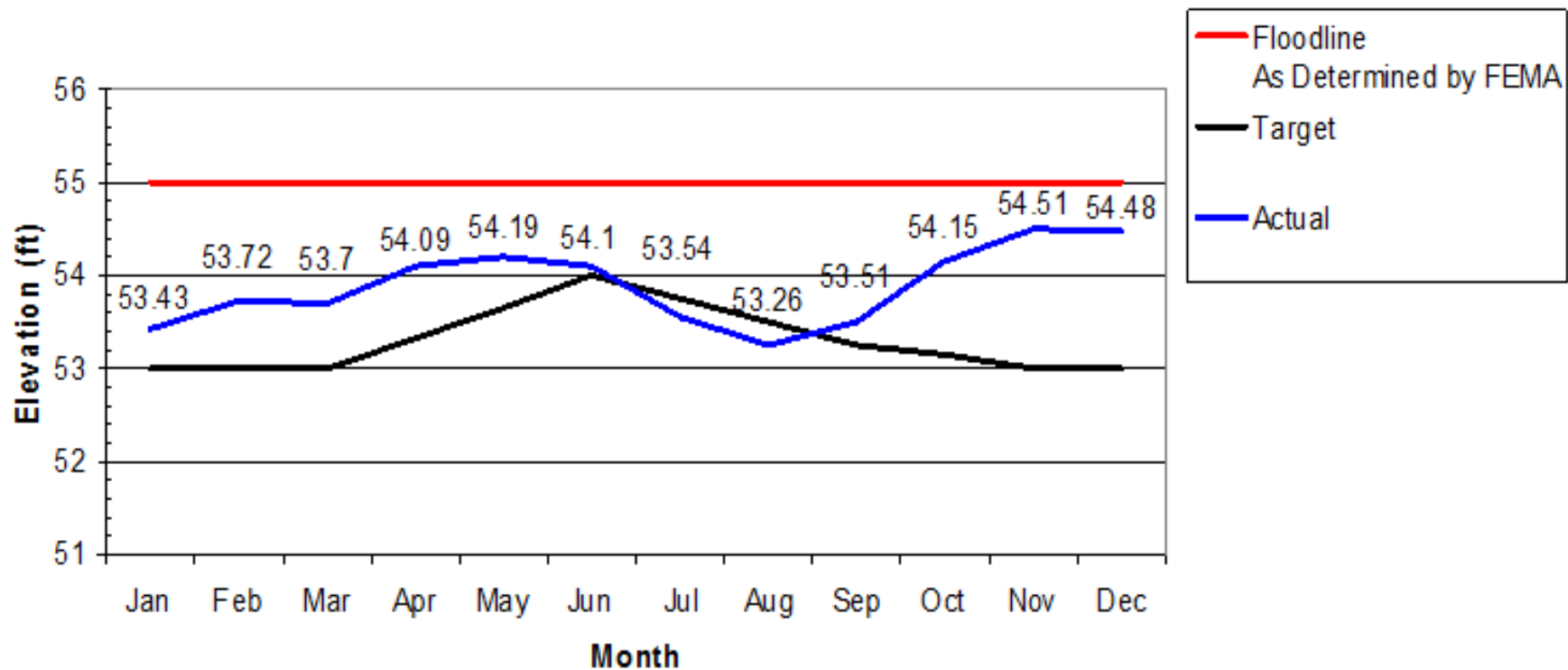
Wareham St. Dam

- Oct 14, 2011 -
Middleborough began
lowering the bascule dam



Target Lake Management Levels

January 1st, 2011 - December 5th, 2011

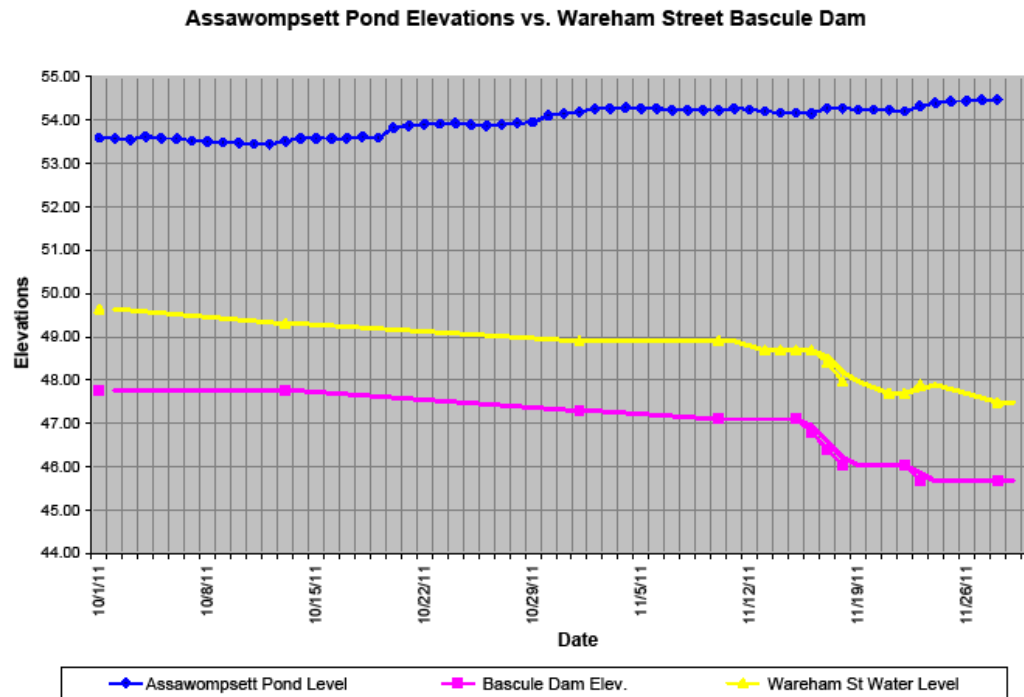


Assawompset Pond Elev. Relative to Wareham St. Bascule Dam

COMPARATIVE DATA ON WATER LEVELS
OCTOBER 2011 THRU NOVEMBER 2011

ASSAWOMPSET POND		WAREHAM ST, MIDDLEBORO	
DATE:	WATER ELEVATION	WATER ELEVATION	DAM ELEVATION
OCT 1	53.59	49.64	47.75
OCT 13	53.51	49.30	47.75
NOV 1	54.19	48.90	47.29
NOV 10	54.22	48.90	47.10
NOV 17	54.27	48.40	46.40
NOV 23	54.32	47.89	45.67
NOV 30	54.51	47.10	45.67

Assawompset Pond Elev. Relative to Wareham St. Bascule Dam



Nemasket River Flow

The Nemasket River provides the primary outlet for water leaving the complex



Nemasket River Flow

The Nemasket River is a very flat, slow moving stream with multiple bridge crossings



Gauge at
Vaughn St.



Fish Ladder at
Wareham St.

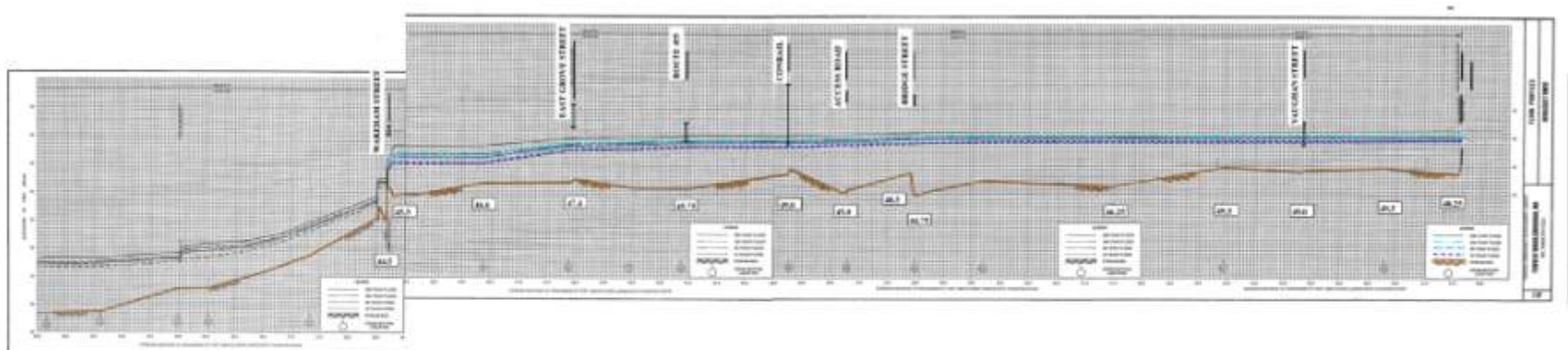


Old
Bridge St.



Low Water Level
at Wareham St.

NEMASKET RIVER Assawompsett Pond Dam to Wareham Street, Middleborough FLOOD & STREAMBED PROFILE



Source: FEMA - "Flood Insurance Study
FLOOD PROFILES - NEMASKET RIVER",
Middleborough, MA, Sheet 1, 1967

NEMASKET RIVER

Assawompsett Pond to Wareham Street:

Elevation Difference: 2.75 feet (Streambed)

River Miles: 3.56 miles

Slope: .015%

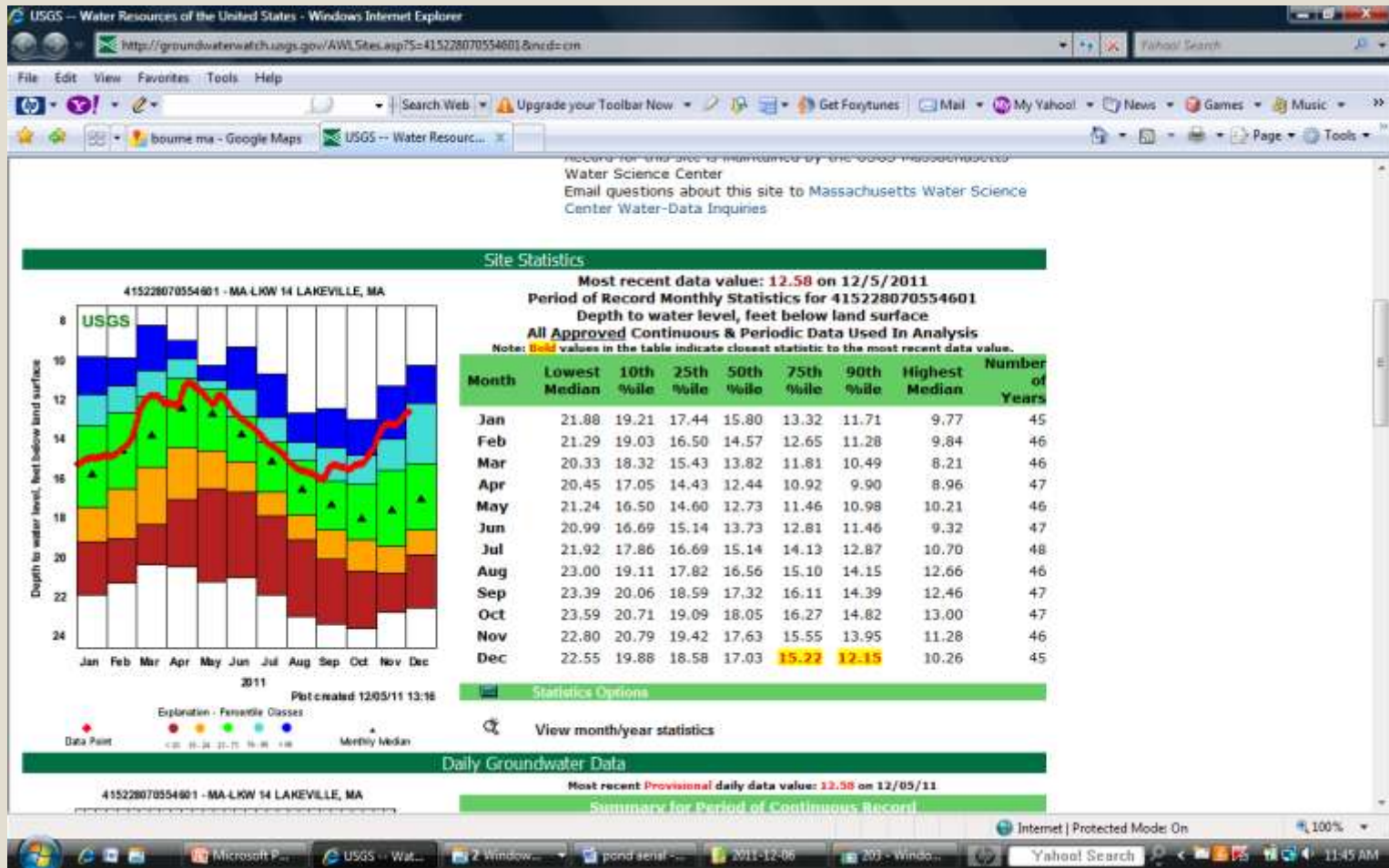
Surface Water Difference: 4.15 feet (10 yr flood)

Heavy Rainfall

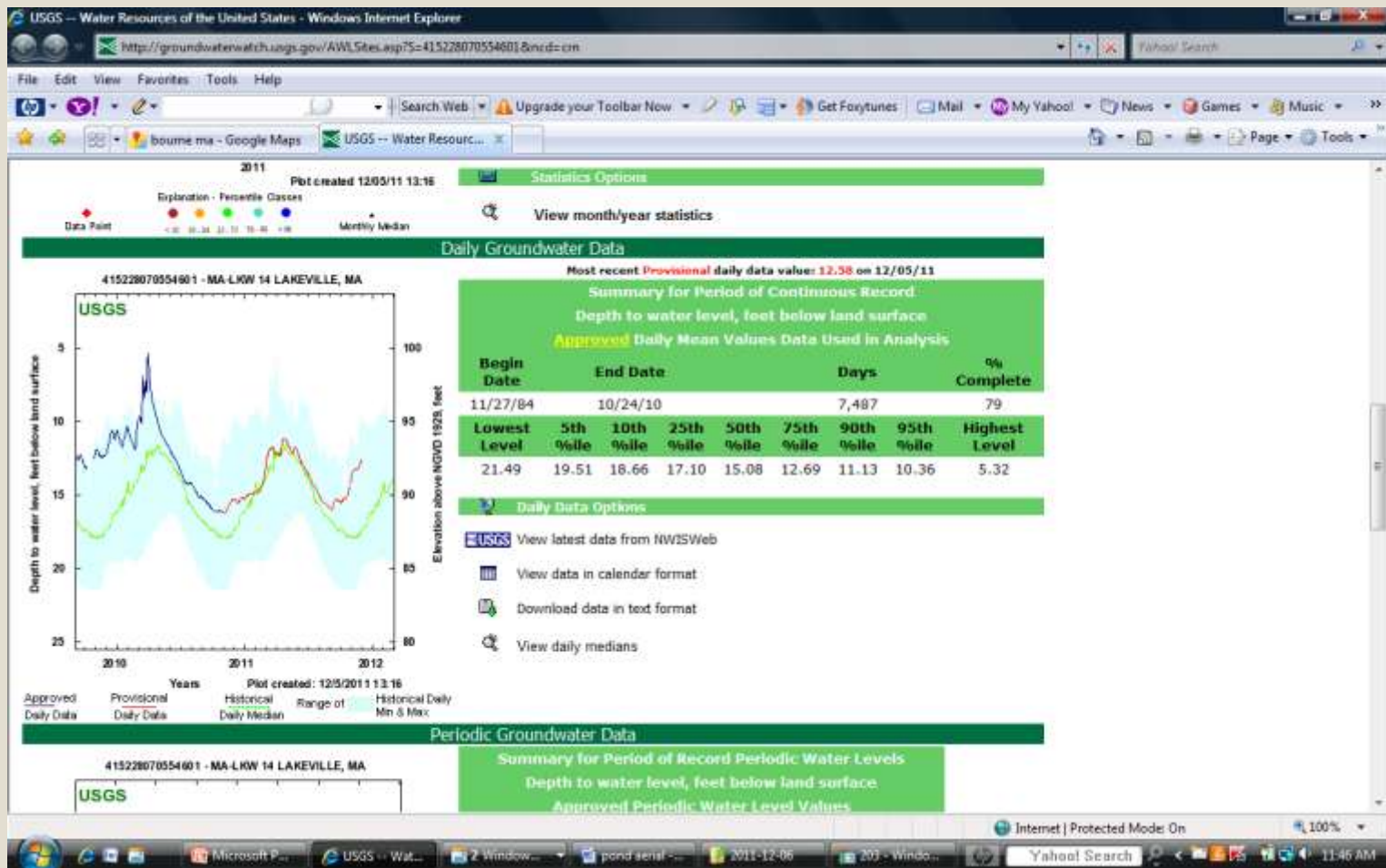
Rainfall total for the months of September thru November is 7 inches above normal

	September		October		November		Total Amounts of Rainfall		Difference
	Average	Actual	Average	Actual	Average	Actual	Average	Actual	
2011	3.85"	6.08"	3.76"	8.05"	4.21"	4.87"	11.82"	19.00"	7.18"
2010	3.87"	2.22"	3.74"	5.07"	4.25"	4.11"	11.86"	11.40"	-.46"
2009	3.80"	2.43"	3.88"	7.47"	4.26"	3.59"	11.94"	13.49"	1.55"

Groundwater



Groundwater



Agencies/Officials Contacted

- Department of Environmental Protection
- Department of Conservation and Recreation
- SRPEDD
- FEMA
- Plymouth County Mosquito Control
- Army Corp of Engineers
- Local Conservation Agents, Selectmen
- Sen. Rodrigues, Rep Markey, Rep Strauss, Congressman Frank
- Senator Brown's office and Senator Kerry's office

Future Goals: Short Term

- Keep dams open to facilitate the lowering of water on Long Pond and Assawompset Pond
- Continue to work together as communities to monitor the water levels
- Communicate with the public via the Lakeville website. www.lakevillema.org
- Meet with Army Corp to determine if they can be of assistance through technical expertise

Future Goals: Short Term

- Local officials /ConComs will work with SRPEDD to develop hazard mitigation plans which will enable us to get in line for grant money
- Next Quarterly Working Group Meeting:
January

Future Goals: Long Term

- Lower the target water levels in relation to groundwater and the seasons.
- Work with SRPEDD to possibly get a grant for Flood Hazard Mitigation
- Work with FEMA to possibly get the Nemasket River considered for their current USGS Flood Plain study
- Continue to pursue a study of the Nemasket River and the surrounding AWP complex

Who To Contact

If you have a water concern or comment please contact the member of the Quarterly Working Task Group from your town.

Websites for Pond Levels:

Lakeville: www.lakevillema.org

Freetown: www.freetownma.gov

Middleborough: www.middleborough.com

Bottom Line

All of the towns –
Middleborough, Freetown, Taunton,
New Bedford, and Lakeville
and the state delegation understand the
critical nature and the seriousness of this
situation and we are
working together to improve it.