



Massachusetts Water Resources Authority

Presentation to the

Board of Directors

Public Access Fishing Pier at Deer Island

April 15, 2015



Location of Fishing Pier





Location of Pier and Parking





Similar Pier in Oak Bluffs





Nut Island Fishing Pier







Massachusetts Water Resources Authority

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Mystic River Streamgages Joint Funding Agreement United States Geological Survey

April 15, 2015



Mystic River Flow Monitoring

- Agreement between MWRA and USGS
- Install/Maintain three gages
- Provide flow data for major river segments
- Summer 2015-Fall 2017
- MWRA - \$144,900 / USGS - \$50,100
- Flow data will allow MWRA to put CSO and infrequent SSO discharges into the broader context of river flows during wet weather events.



Proposed Mystic River Streamgaging Locations



* Only one streamgauge will be installed on the Malden River, either at Site C or Site D, depending on accessibility and suitability of the site.



Mystic River Flow Monitoring and Water Quality Improvement Study

- Managed by Mystic River Watershed Association
- Work began in 2014-six year duration
- To develop a Phosphorus TMDL for the Mystic River
- Funding/In-Kind services from EPA, DEP, USGS, and others
- Water quality sampling/analyses are ongoing
- Future water quality modeling will use flow and water quality data





Massachusetts Water Resources Authority

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Section 4 – Webster Ave Pipe and Utility Bridge Replacement

April 15, 2015



Project Location





Bridge and Piping







Massachusetts Water Resources Authority

Presentation to the

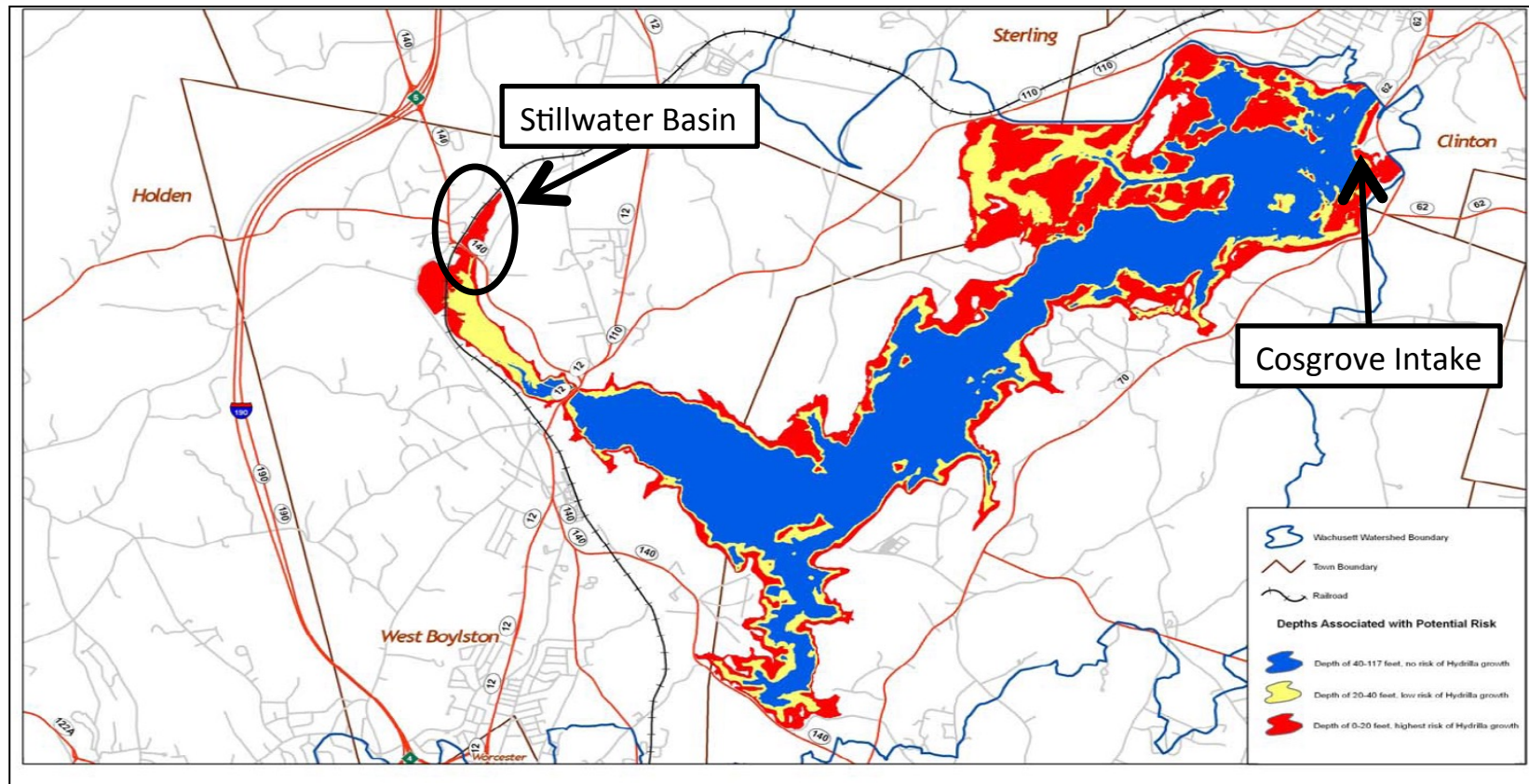
Board of Directors

DASH Harvesting of Invasive Plants at Stillwater Basin

April 15, 2015



Wachusett Reservoir – potential for invasive plant growth





Wachusett Reservoir – Stillwater Basin infestation



Eurasian Water milfoil

Native to Europe, Asia, and North Africa. Introduced into North America between the late 1800s and 1940

Native to the southeastern United States. Originally used as an aquarium plant.

Fanwort





Wachusett – Recent control efforts

- Large number of plants discovered below Stillwater Basin in 2012
- 2013 – Diver Assisted Suction Harvest (DASH) deployed in Stillwater Basin. Large amount of plant matter removed.
- 2014 – Second DASH effort in Stillwater Basin.
- This contract represents our third year of DASH work in Stillwater Basin



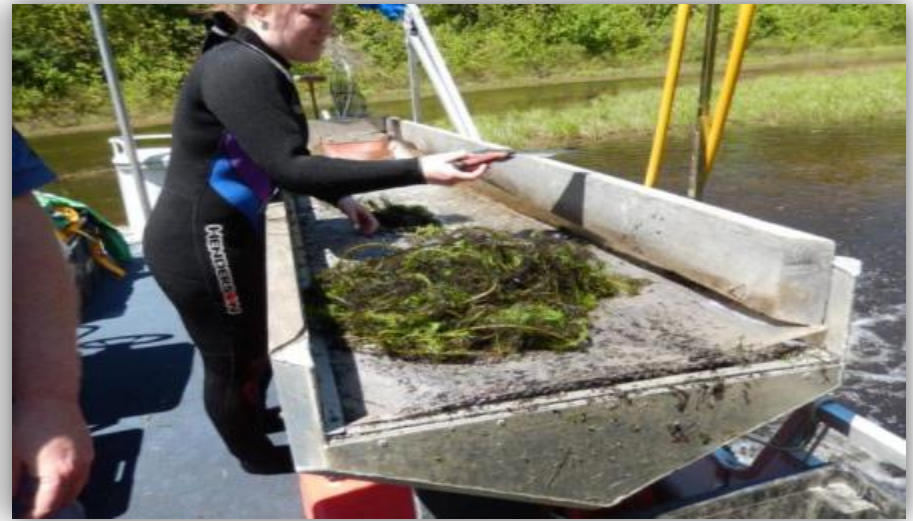


Three DASH Boats Operating In Stillwater Basin





Suction Harvested Plants Collected Aboard DASH Boats





Plants Stored In Bins, Then To Dumpster





Underwater Views – Before And After







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Spot Pond Water Storage Facility

April 15, 2015



Impact of Snowfall

