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

Not to scale
Similar Pier in Oak Bluffs
Nut Island Fishing Pier
Massachusetts Water Resources Authority

Presentation to the

Board of Directors

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 streamgage 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
Presentation to the

Board of Directors

Section 4 – Webster Ave Pipe and Utility Bridge Replacement

April 15, 2015
Project Location
Bridge and Piping
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**
• 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
Presentation to the
Board of Directors

Spot Pond Water Storage Facility

April 15, 2015
Impact of Snowfall

[Two images showing snowy landscapes and a person in a bright vest standing on a snow-covered path.]