

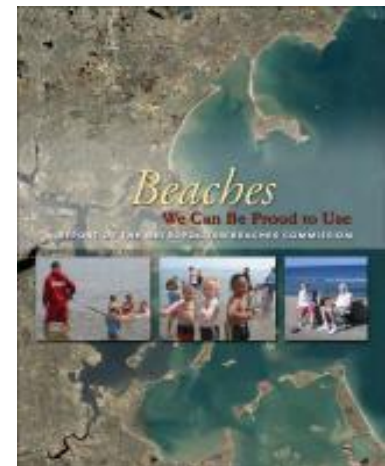
*DCR Beaches Accomplishments
Presented to
Metropolitan Beaches Commission
June 18, 2018*



MASSACHUSETTS DEPARTMENT OF
CONSERVATION AND RECREATION

DCR's Vision for the Beaches

- DCR's mission *To protect, promote and enhance our common wealth of natural, cultural and recreational resources for the well-being of all.*
- DCR's vision includes continuing to provide people and their families with safe accessible beaches that we can all be proud of as was the stated goal of the First Metro Beaches Commission Report.
- We know these beaches are year round community assets.



DCR's Vision for the Beaches

- Beaches are 365 day facilities and community assets which encourage healthy lifestyles by providing opportunities for recreation for walking and exploration during all seasons.



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FY18 Beach Preservation Operating Funds: Overview

- \$900,000 appropriated for adequate staffing in FY18; DCR will expend that total through June 30, 2018.
- While the budget is still being negotiated in conference committee, we are anticipating level funding for adequate staffing in FY19.



Capital Funding FY 2018

Capital Infrastructure Maintenance along Beaches

In FY18, DCR spent \$11,537,366 on capital infrastructure and maintenance projects at:

- Belle Isle March Reservation
- Boston Harbor Islands
- Carson Beach
- Constitution Beach
- Malibu Beach
- Nahant Beach and Nahant Beach Parkway
- Nantasket Beach and Nantasket Beach Reservation
- Revere Beach, Revere Beach Parkway & Ocean Avenue
- Tenean Beach
- Winthrop Beach & Winthrop Shore Drive
- Wollaston Beach

Capital Equipment Purchased FY18 to Support Beach Operations

Division	Region	Location	Type of Equipment	Quantity	Amount
MassParks	Boston	Quincy, Dorchester, South Boston	Mechanical Street Sweeper	1	\$200,000
MassParks	Boston/ North	Revere	Dump Truck	1	\$72,000
MassParks	North	Quincy, Dorchester, South Boston	Heavy Dump Truck	2	\$220,000
MassParks	North	Revere	Pick-Up Trucks	2	\$83,000
MassParks	North	Revere	Skidsteer	1	\$32,000
MassParks	North	Nahant	Hotbox for roadway patching	1	\$28,630
MassParks	South	Nantasket	Pick-Up Truck	1	\$41,500
			Total for Capital Equipment FY18		\$677,130

FY18 Beach Preservation Operating Funds: Staffing 2017 - 2018

The funding allowed the agency to adequately staff the metro beaches with both full time and seasonal employees.

Including:

- Lifeguards
- Laborer staff
- Supervisor positions
- Rangers
- Facility Service Workers
- Summer Workers
- Administrative staff



Lifeguard Program 2018

- DCR Lifeguards are all certified by the Red Cross or YMCA and are all certified in CPR and in the use of Automatic External Defibrillators.
- DCR has 116 lifeguards that patrol DCR's Metro beaches and Harbor Islands. DCR will be fully staffed at all Metro beaches.
- In the 2017 summer season, DCR lifeguards conducted over 150 rescues or assisted in life threatening situations such as: rip current saves, administration of CPR and assisting distressed swimmers

Storm Cleanup and Damage Cost from March 2018

- Quincy Debris Removal and Repair Costs - \$10,000
- Nantasket/Hull Debris Removal and Repair Costs- \$13,585
- Nahant/Lynn Debris Removal and Repair Costs- \$91,000
- Revere Debris Removal- \$49,181
- Winthrop Debris Removal and Infrastructure Repairs from Water Damage to Sidewalks- \$111,027
- Total Thus Far – \$274,793



FY18 Partnership Matching Funds Program

- DCR accepts donations from organizations, and matches on a 2:1 basis up to \$25,000 and a 1:1 basis beyond that total.
- For projects on DCR-managed property with strong community interest
- DCR manages accepted projects from start to finish
- Approximately \$1M allocated for this program annually



Matching Funds Examples from FY18

- Friends of the Boston Harbor Islands: \$20,100 budget for preservation and restoration of a historic structure on Lovells Island
 - \$6,700 donation, \$13,400 match
- Revere Beautification Committee: \$8,001 budget for the purchase of a new trailer for power-washing equipment
 - \$2,667 donation, \$5,334 match



Water Quality Testing Program

- Where Do We Test?
 - 49 Freshwater Beaches across the Commonwealth weekly.
 - 25 Ocean Beaches weekly
 - 5 Ocean beaches daily in the Metropolitan Area
 - 2,100 samples in an average year
- Why Do We Test?
 - We test for a bacteria which is an indicator organism and measures the potential for someone to get sick.
 - DPH requires all beach land managers to test any designated swimming area at a minimum of a weekly basis.

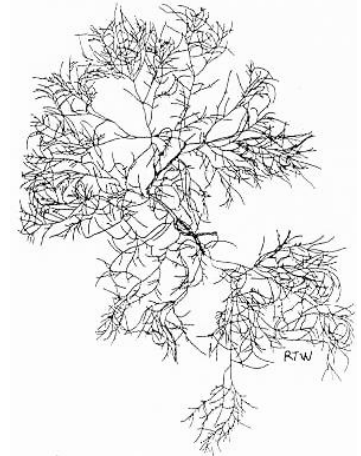
2018 Beaches Water Quality Report Card Primary Beach Safety for 2017 and 6-Year Average (2012-2017)

Primary beach safety indicates the frequency that individual beach samples complied with the Department of Public Health's single sample bacteria limit. Beaches complying 85% or less during the last six years are of particular concern and appear in orange.

Beach	6 year average	2017 safety rating	2016	2015	2014	2013	2012
M Street	100%	100%	100%	100%	100%	99%	99%
Carson	99%	100%	100%	97%	100%	99%	99%
Nantasket	99%	98%	100%	100%	98%	100%	98%
City Point	99%	94%	100%	100%	100%	100%	100%
Pleasure Bay	98%	100%	98%	100%	100%	96%	94%
Revere	97%	98%	98%	92%	100%	94%	100%
Winthrop	97%	94%	100%	100%	94%	94%	100%
Nahant	96%	100%	97%	98%	100%	91%	89%
Savin Hill	94%	94%	100%	94%	87%	100%	88%
Constitution	94%	95%	96%	89%	96%	97%	89%
Wollaston	91%	92%	93%	86%	94%	88%	93%
Malibu	89%	91%	97%	87%	93%	76%	89%
Short	91%	80%	88%	84%	100%	94%	100%
King's	85%	92%	83%	76%	88%	83%	86%
Tenean	81%	81%	92%	71%	95%	63%	82%
All Beaches	94%	94%	96%	92%	96%	92%	94%

Algae Removal Lynn/Nahant

- DCR has a successful protocol for removing algae from these beaches to reduce odor for surrounding communities.
- DCR will be continuing this successful operation this calendar year.
- The largest cost driver for the program is the hauling and disposal of the algae. This is currently handled- by a private contractor, Capital Paper Recycling, who transports the algae to a site in New Hampshire for composting.



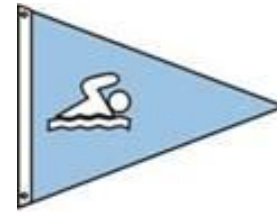
Free-living Nahant Bay
Pilayella littoralis



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Beach Status Warning Flags

- Legislation passed at the end of the 189th Legislative Session, Chapter 399 of the Acts of 2016 mandated DCR establish a uniform beach warning and safety flag program.
- Orange flags are raised for dangerous tide conditions and as water quality tests dictate
- This system is used at all guarded DCR coastal beaches. Unguarded beaches employ signage for water quality advisories



- Normal conditions / beach is safe for swimming: Blue triangular flag.



- Unsafe conditions / advisory against swimming: Orange triangular flag

DCR Beaches Hotline at 617-626-4972

Signage

When beach staff is notified that water quality does not meet established standards they must post a DCR and MDPH-approved sign at beach entry points and lifeguard stands which reads:

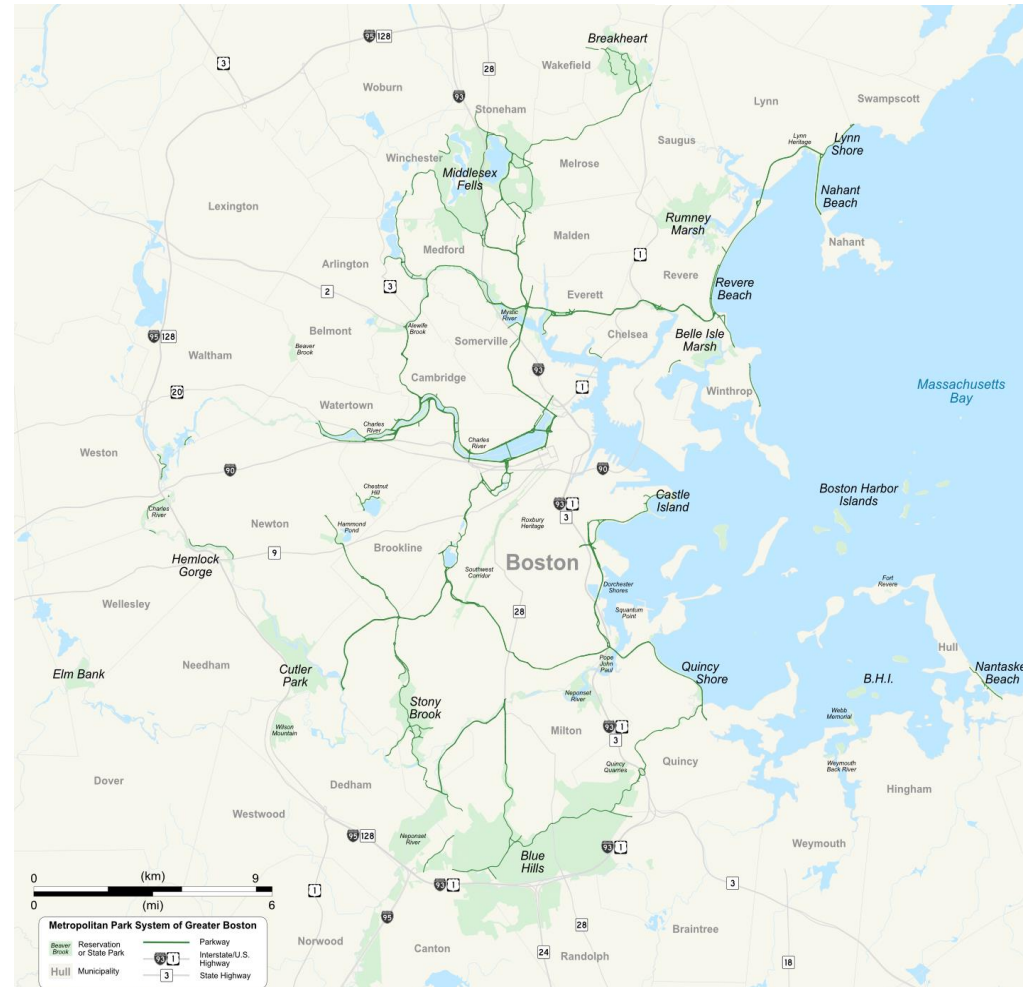
**Warning:
No Swimming
Swimming May Cause Illness
Water Contains Elevated Bacteria**

- MDPH requires that signage must be appropriately displayed in conspicuous locations.
- Flags alone are not satisfactory.

DCR Celebrates 125 Years



- Charles Eliot helped establish the Metropolitan Parks System of Greater Boston, the first regional conservation agency, in 1893.
- The group worked to preserve Waverley Oaks of Waltham/Belmont's Beaver Brook Reservation.



Conclusion

The Baker-Polito Administration continues to be committed to ensuring access for all at the Commonwealth's Metropolitan Beaches.

Thank you for your time and I welcome any questions you may have.



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