

2023-2029 OPEN SPACE AND RECREATION PLAN

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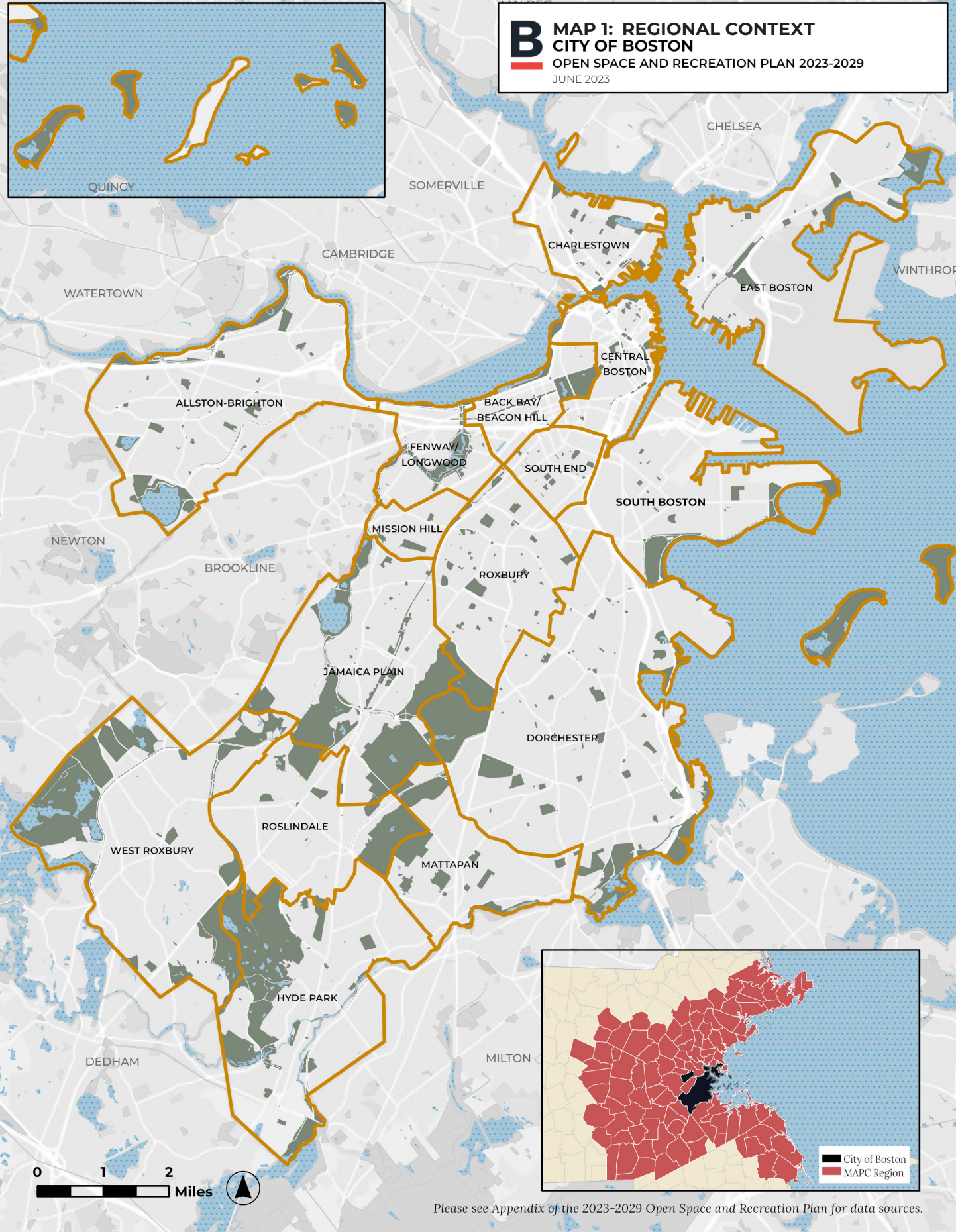
MAP 47: ACCESS TO SPRAY PLAY

MAP 48: HEAT EVENT HOURS

MAP 49: ACTION PLAN PROJECT MAP

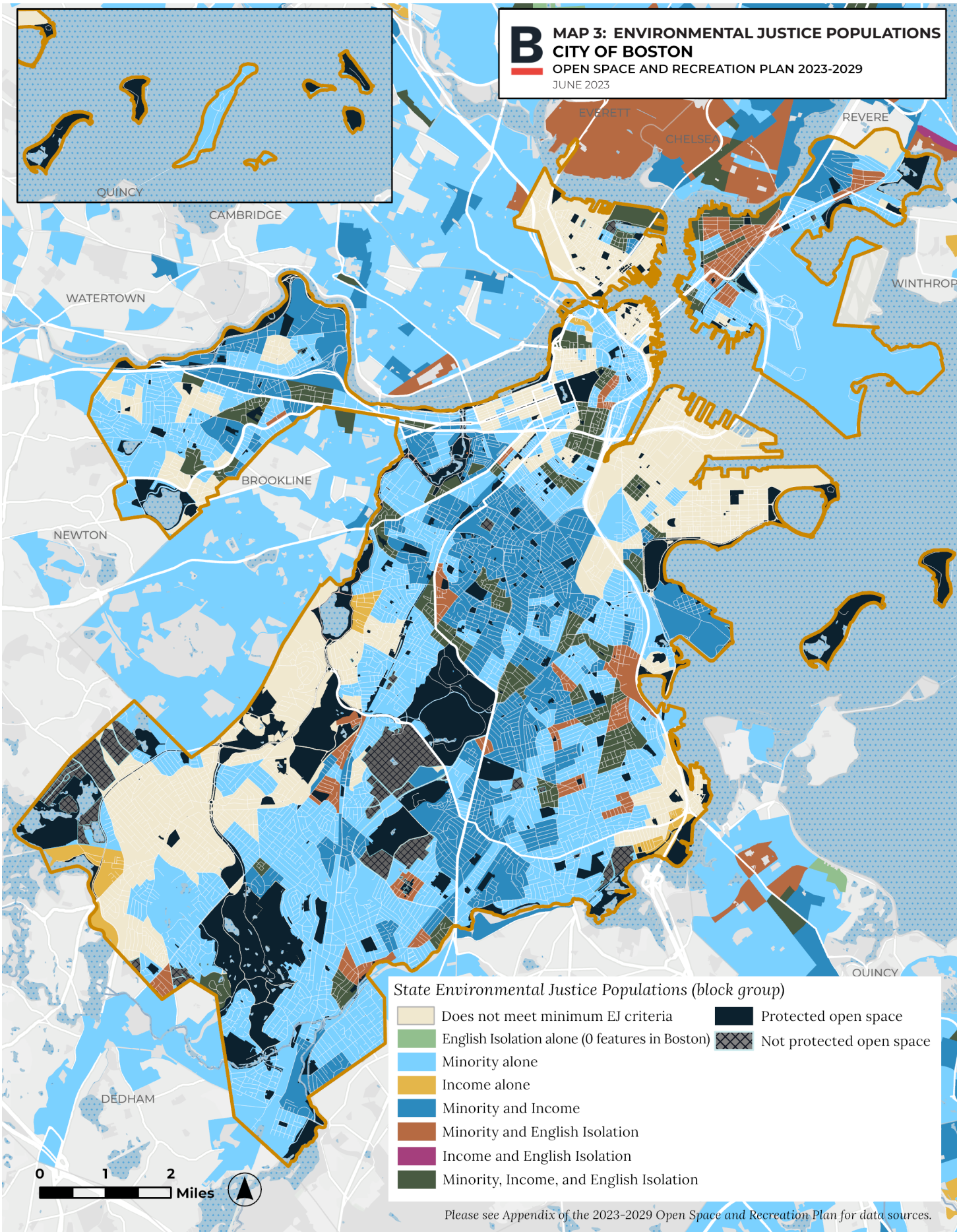
APPENDIX C: MAP DATA SOURCES

B MAP 1: REGIONAL CONTEXT
CITY OF BOSTON
OPEN SPACE AND RECREATION PLAN 2023-2029
JUNE 2023

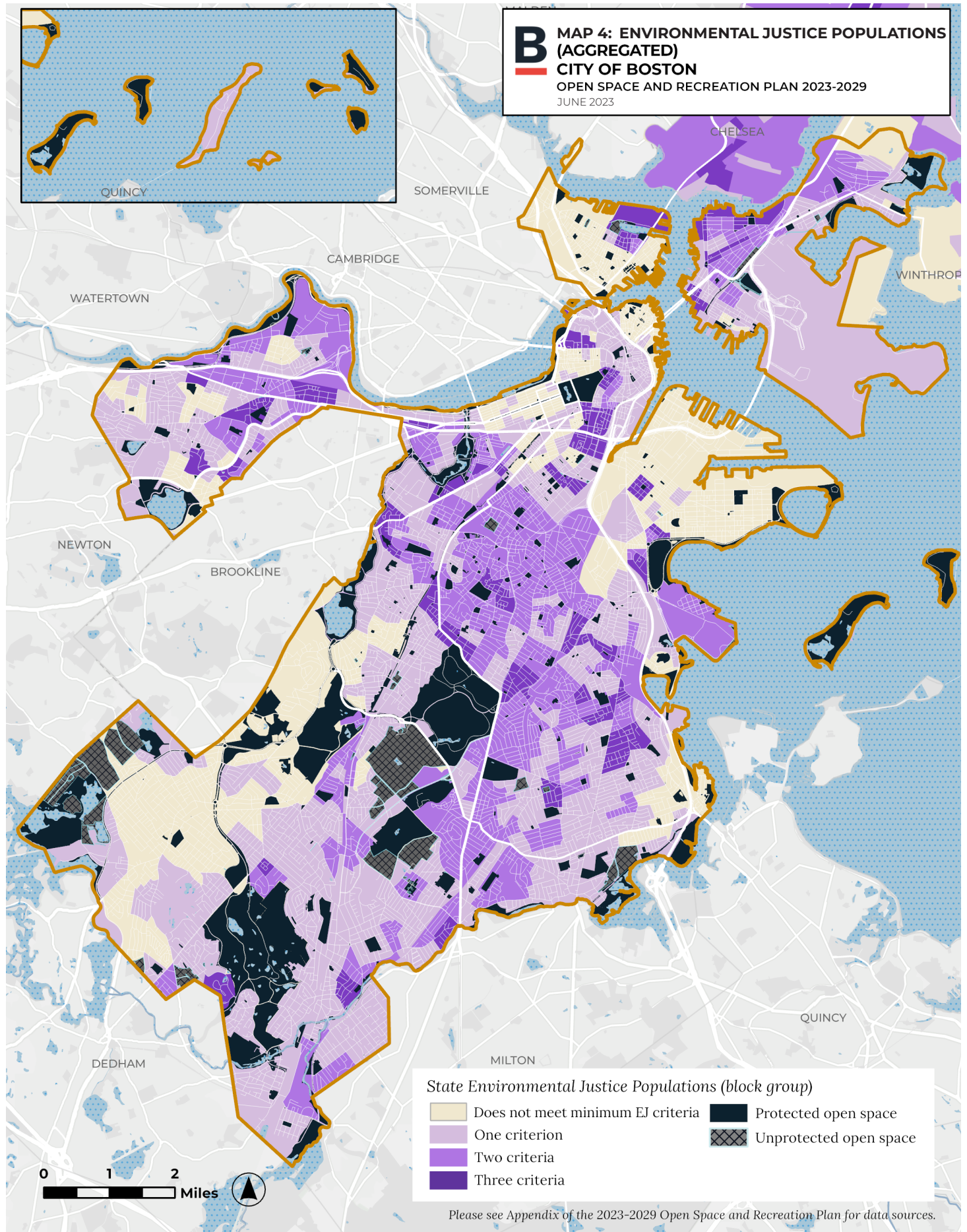


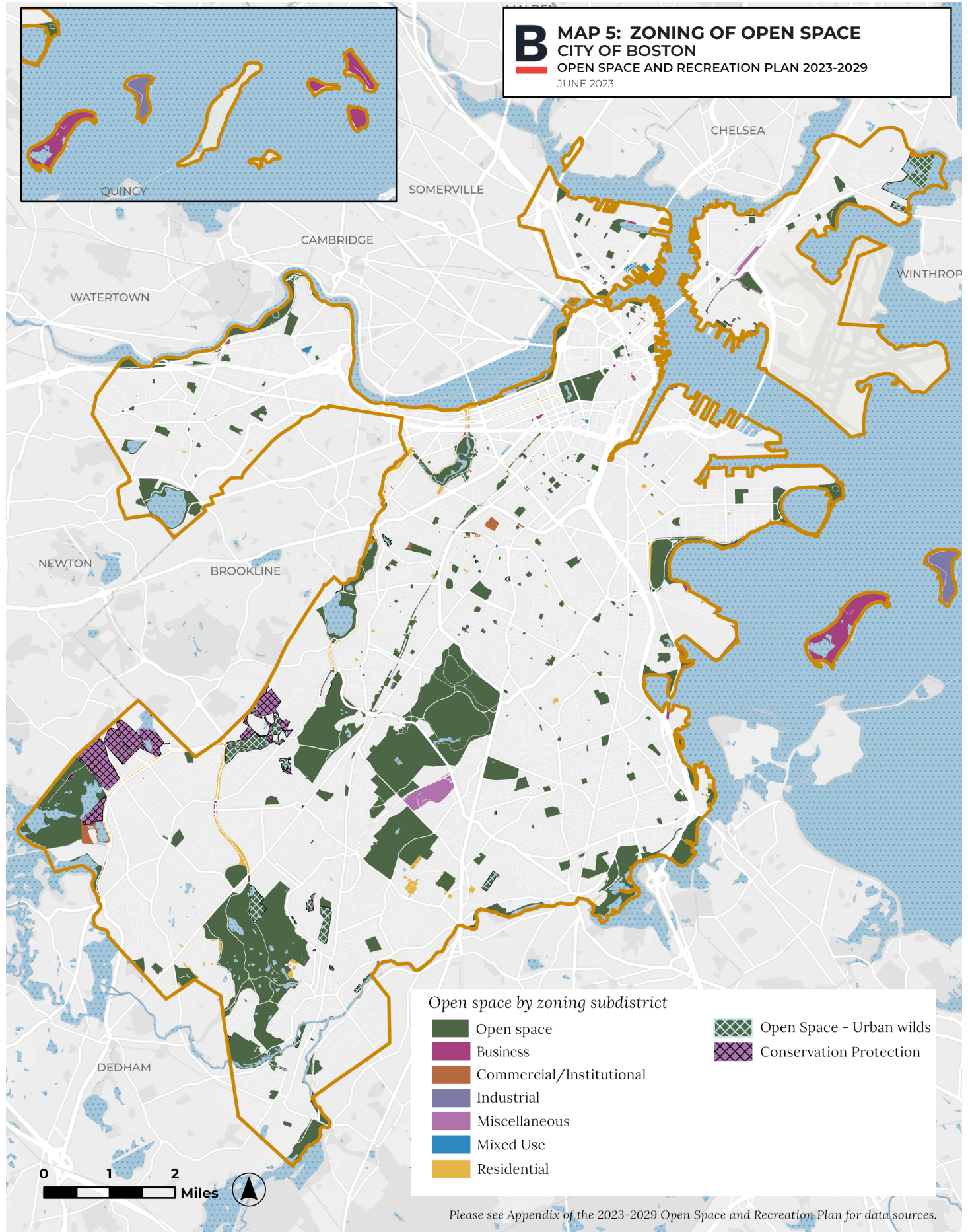


B MAP 3: ENVIRONMENTAL JUSTICE POPULATIONS
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



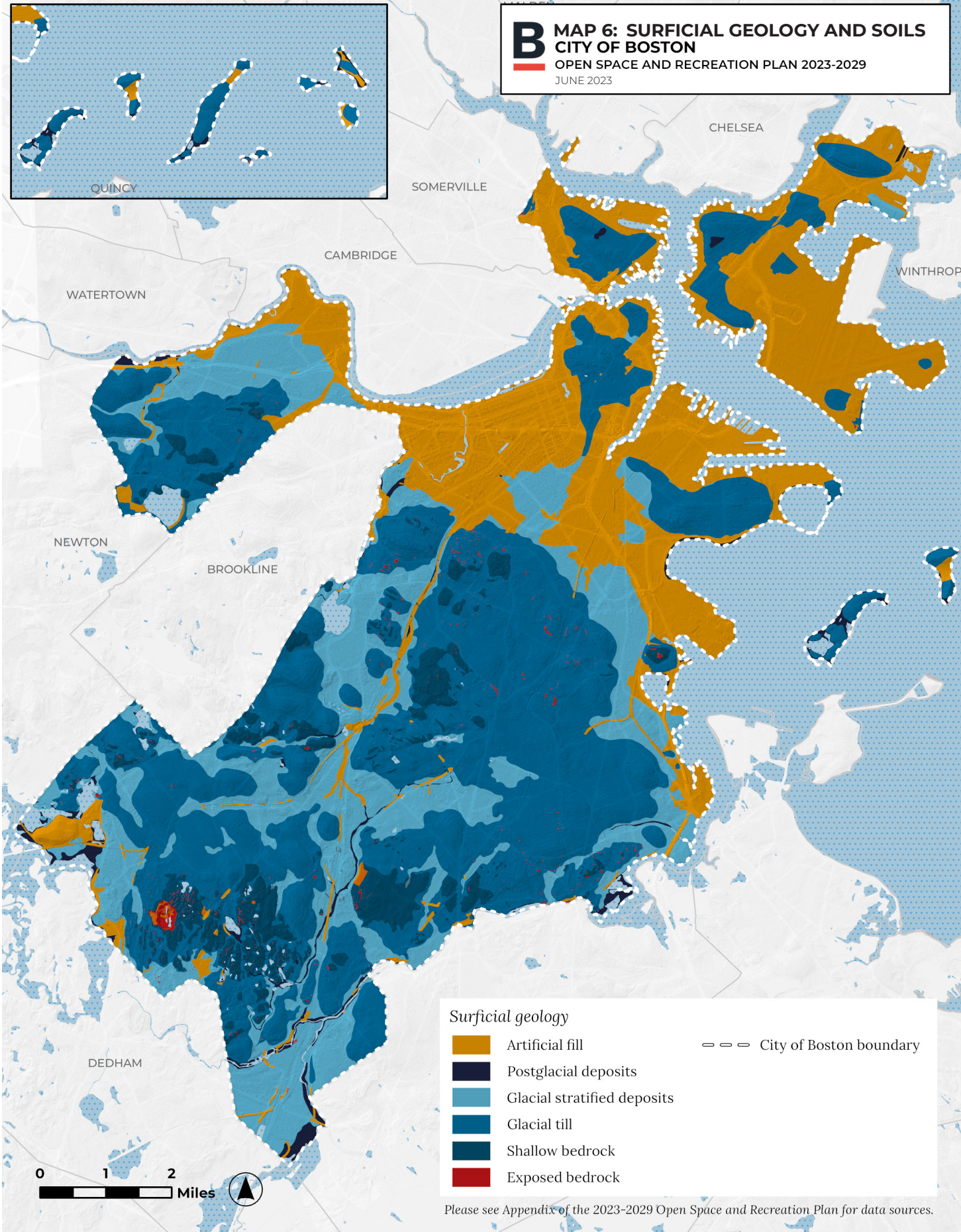
Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.



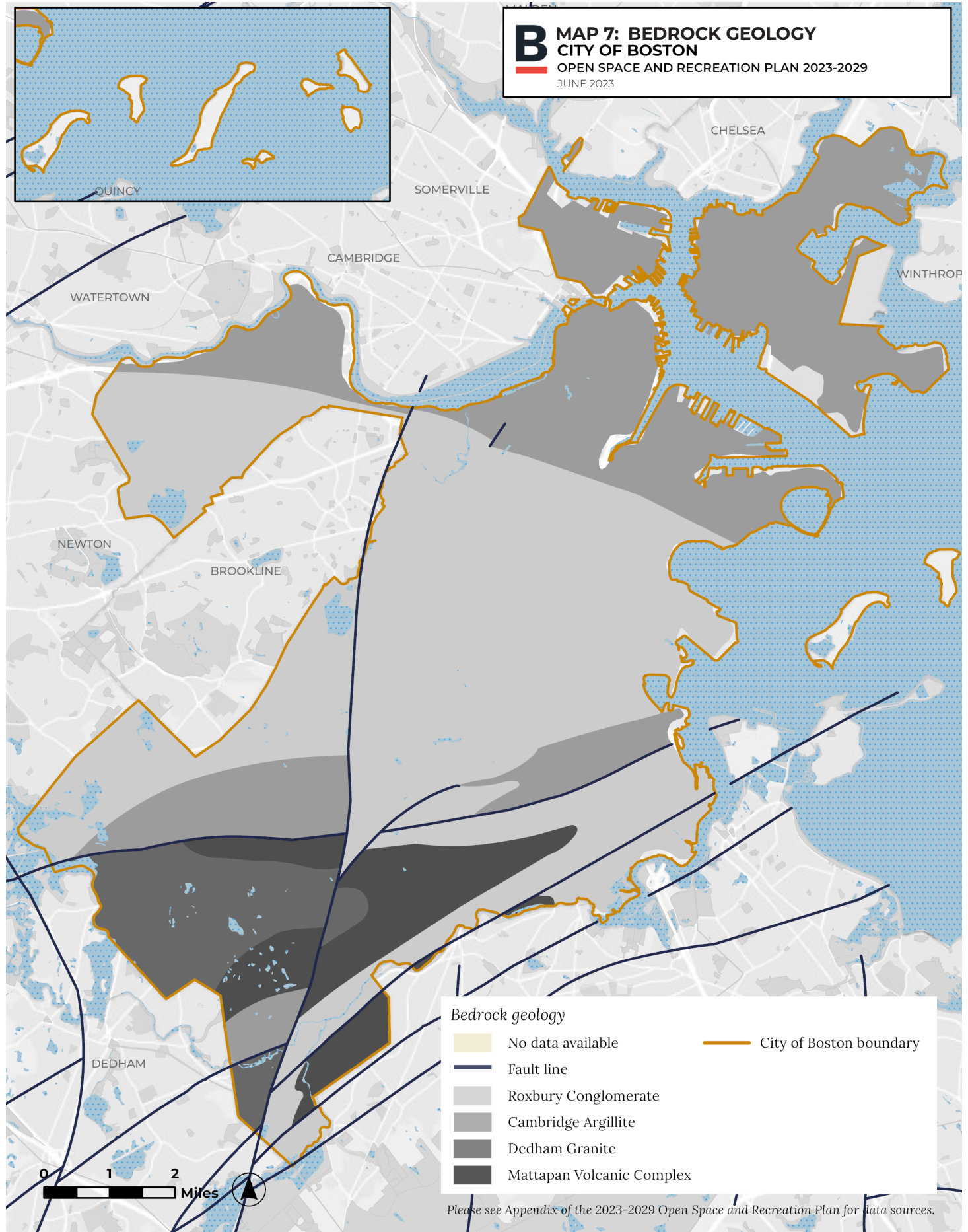


Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

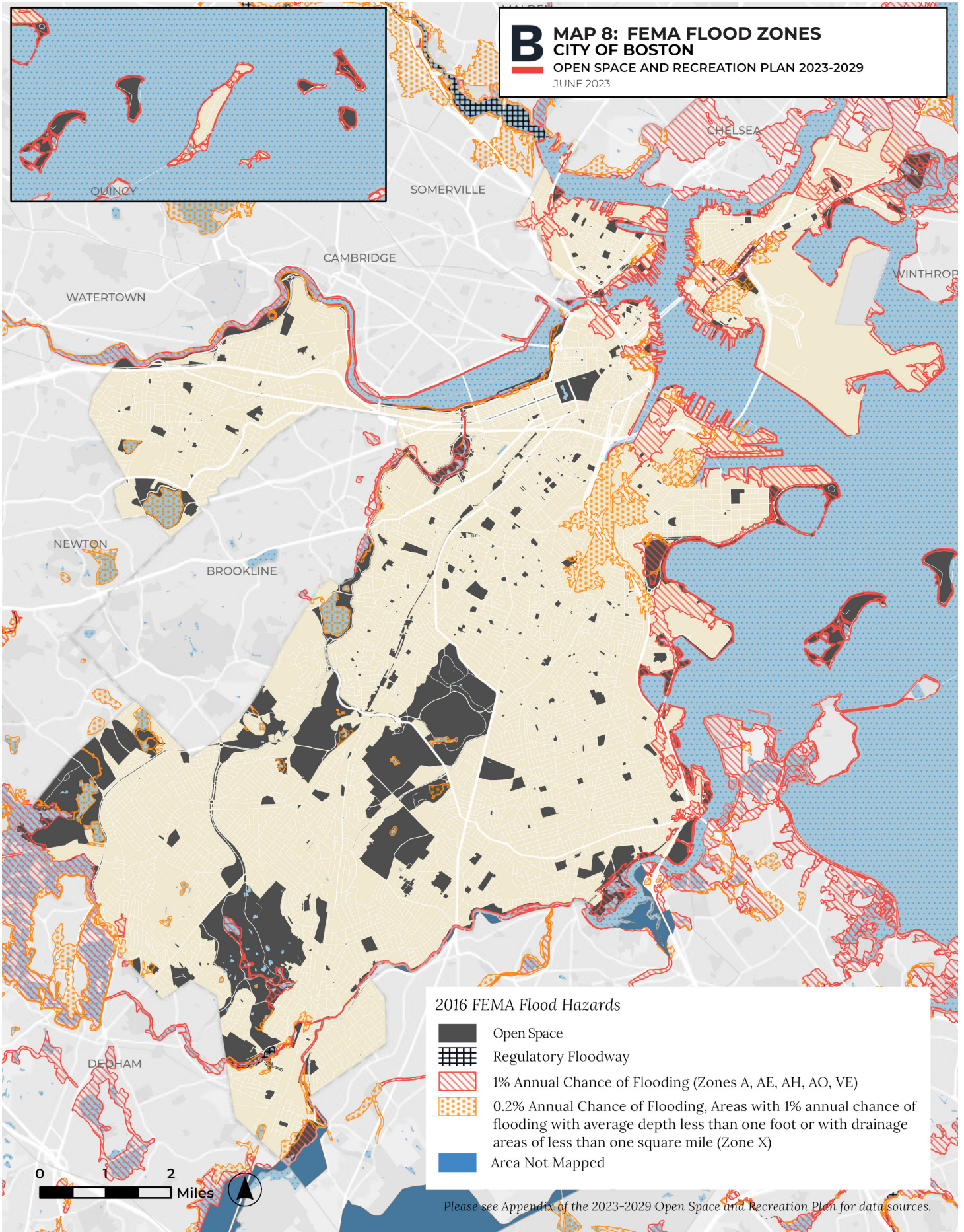
B MAP 6: SURFICIAL GEOLOGY AND SOILS
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023

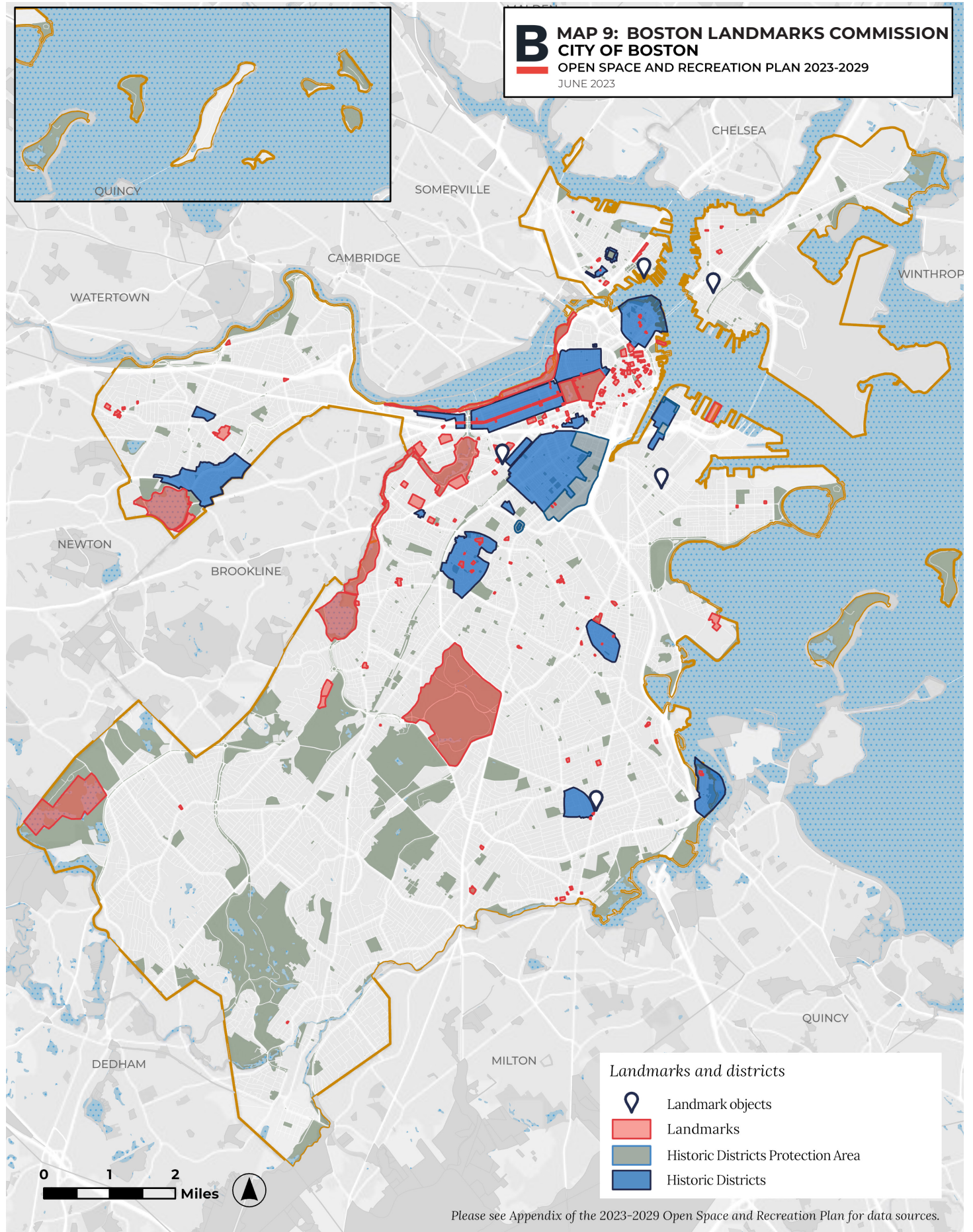


Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.



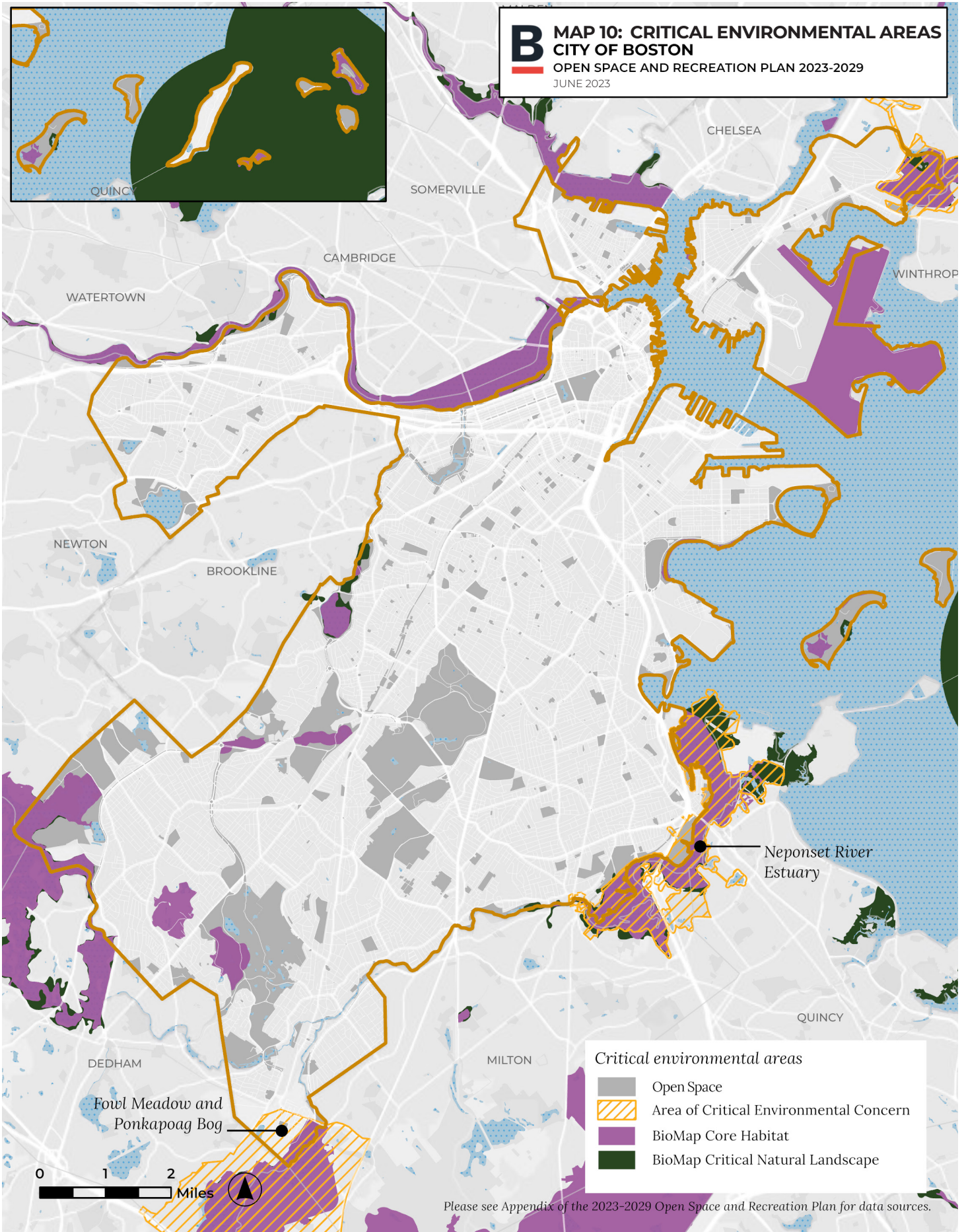
B MAP 8: FEMA FLOOD ZONES
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023





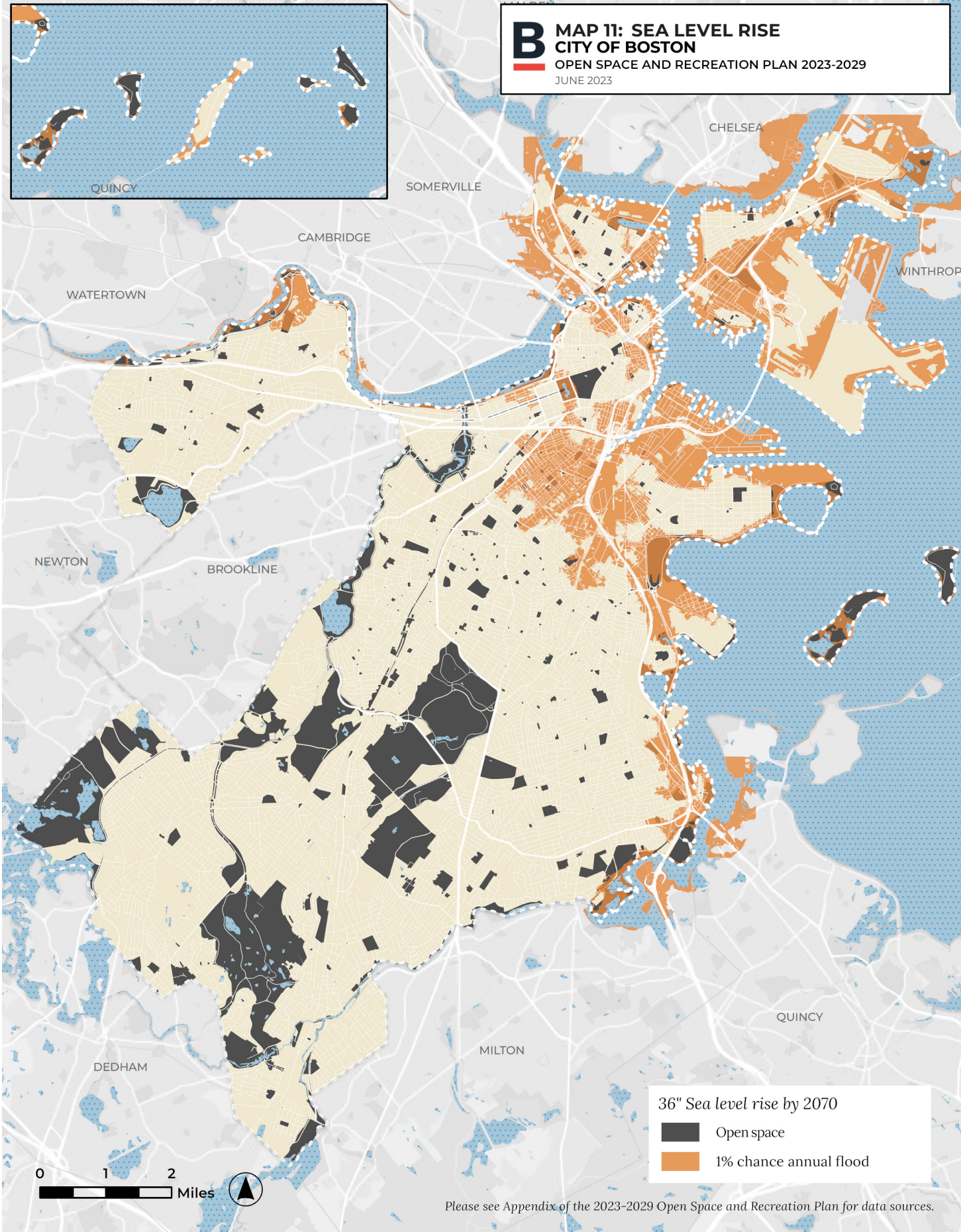
Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

B MAP 10: CRITICAL ENVIRONMENTAL AREAS
CITY OF BOSTON
OPEN SPACE AND RECREATION PLAN 2023-2029
JUNE 2023

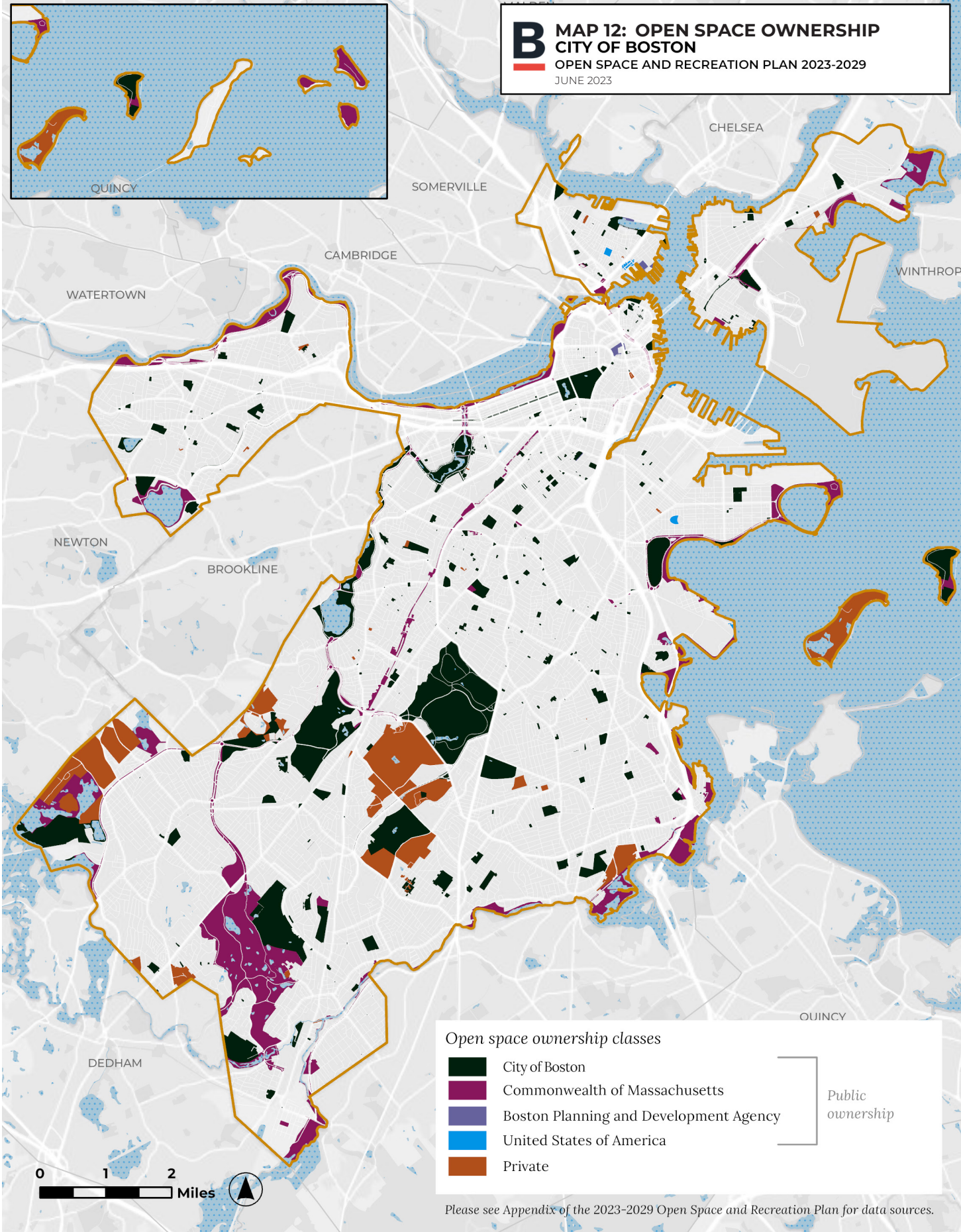


Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

B MAP 11: SEA LEVEL RISE
CITY OF BOSTON
OPEN SPACE AND RECREATION PLAN 2023-2029
JUNE 2023

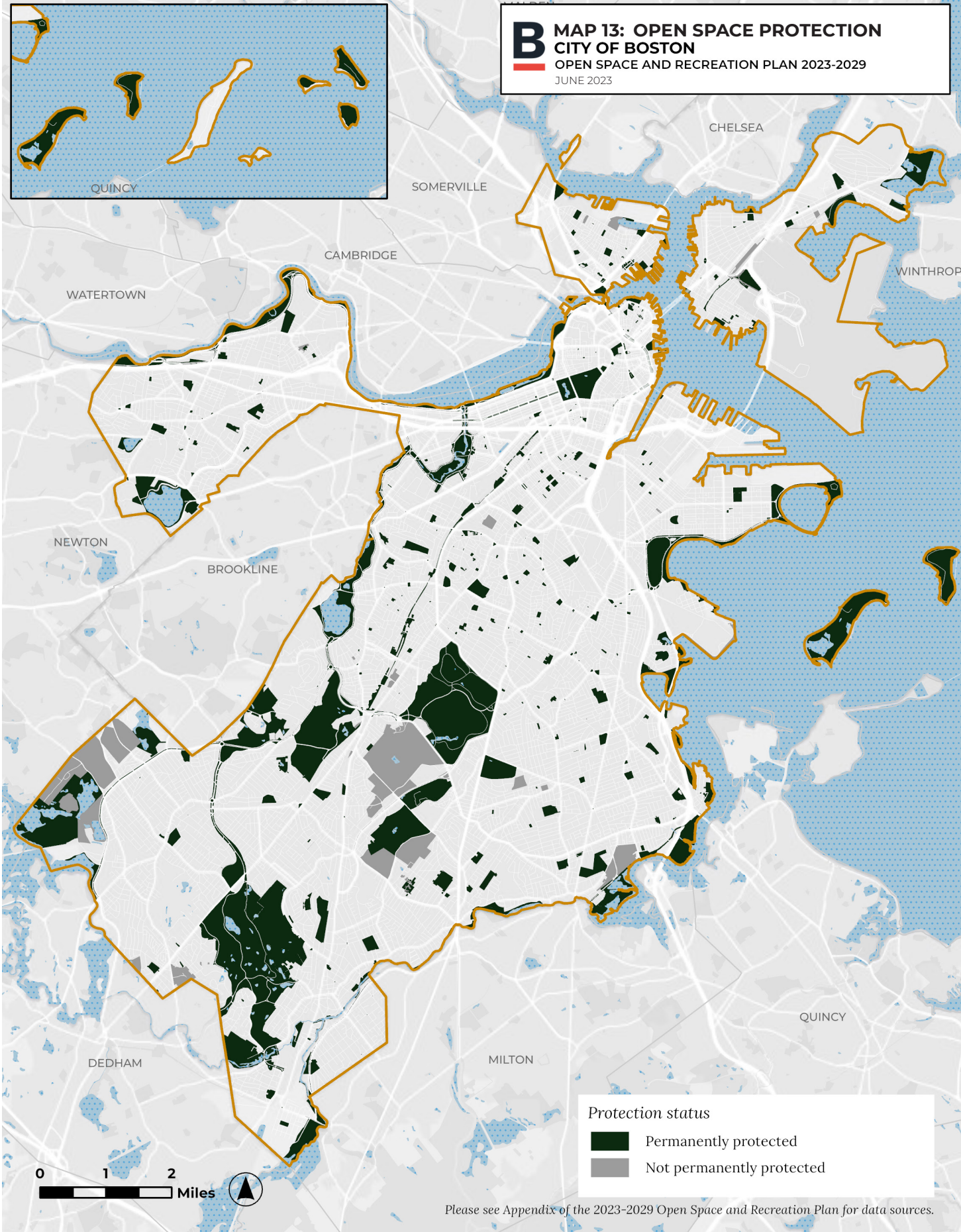


B MAP 12: OPEN SPACE OWNERSHIP
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023

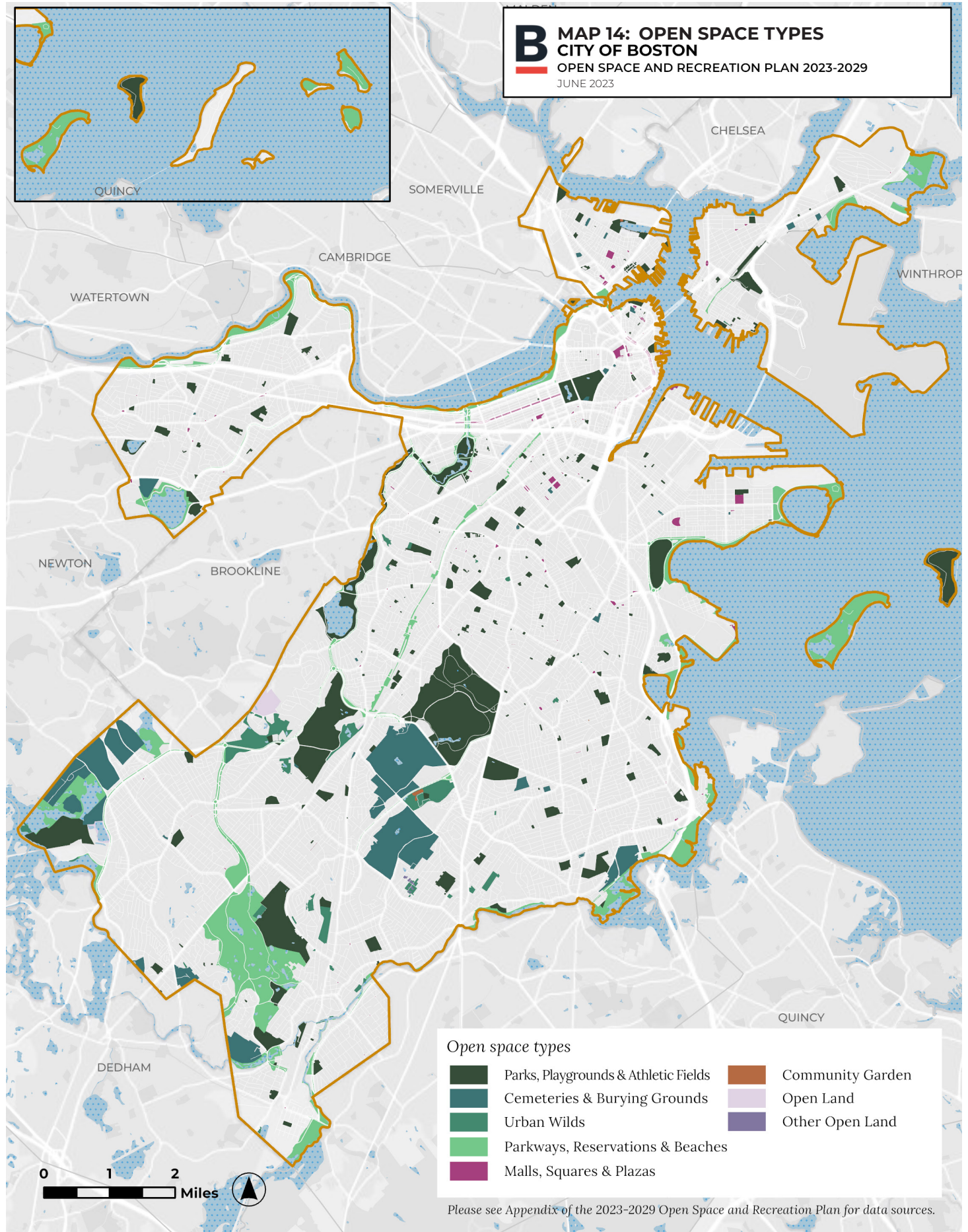


Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

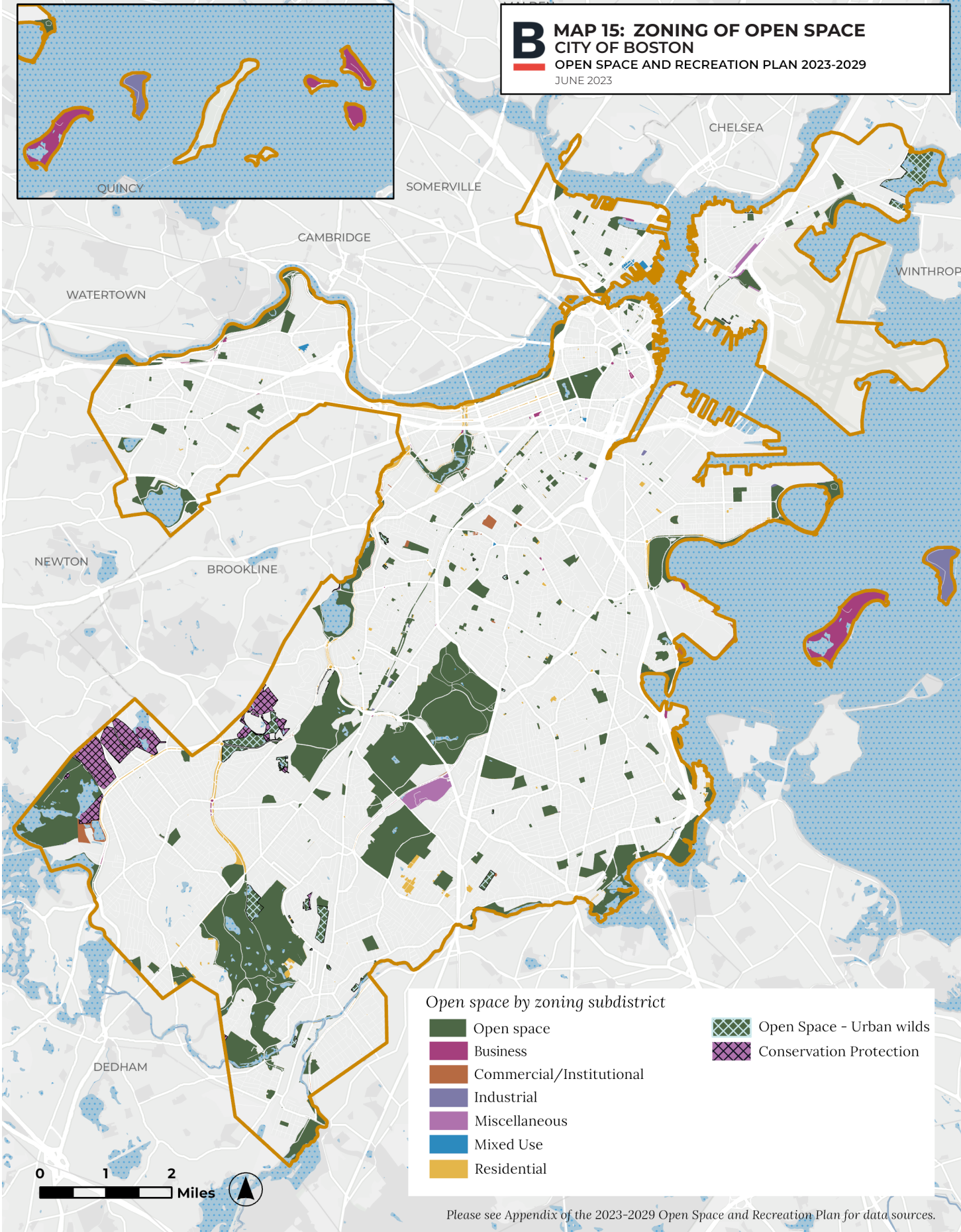
B MAP 13: OPEN SPACE PROTECTION
CITY OF BOSTON
OPEN SPACE AND RECREATION PLAN 2023-2029
JUNE 2023



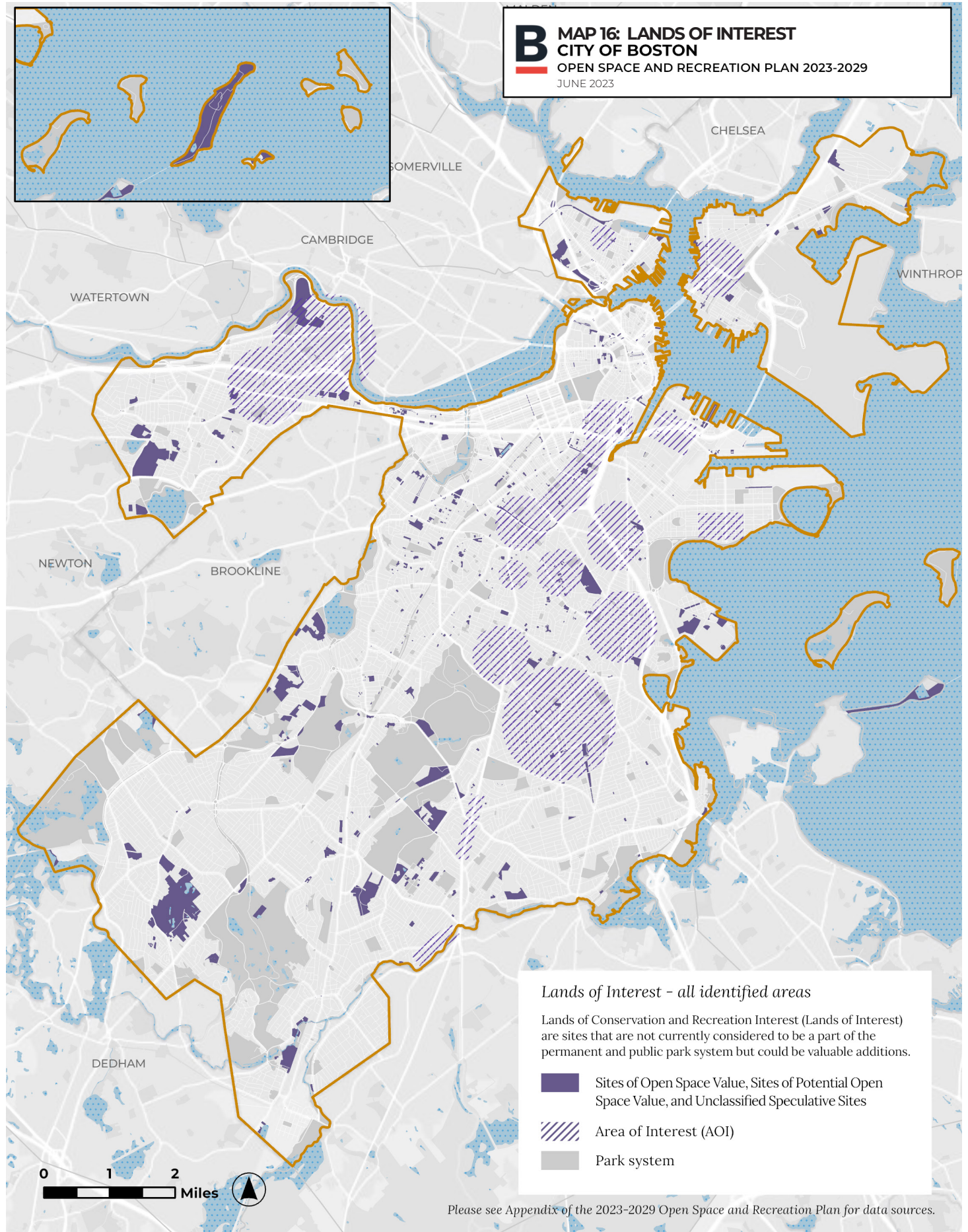
Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.



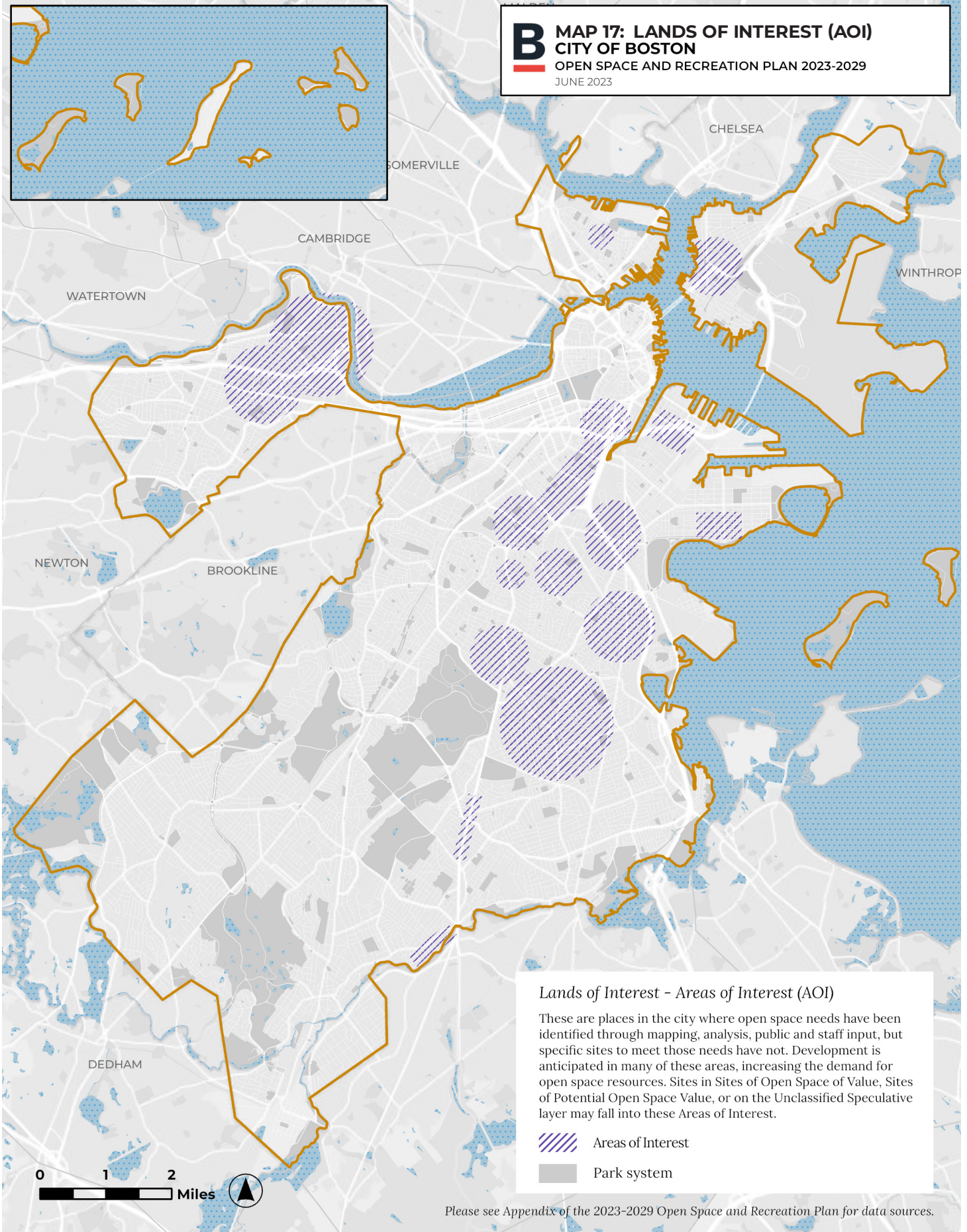
B MAP 15: ZONING OF OPEN SPACE
CITY OF BOSTON
OPEN SPACE AND RECREATION PLAN 2023-2029
JUNE 2023



Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.





B MAP 17: LANDS OF INTEREST (AOI)
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



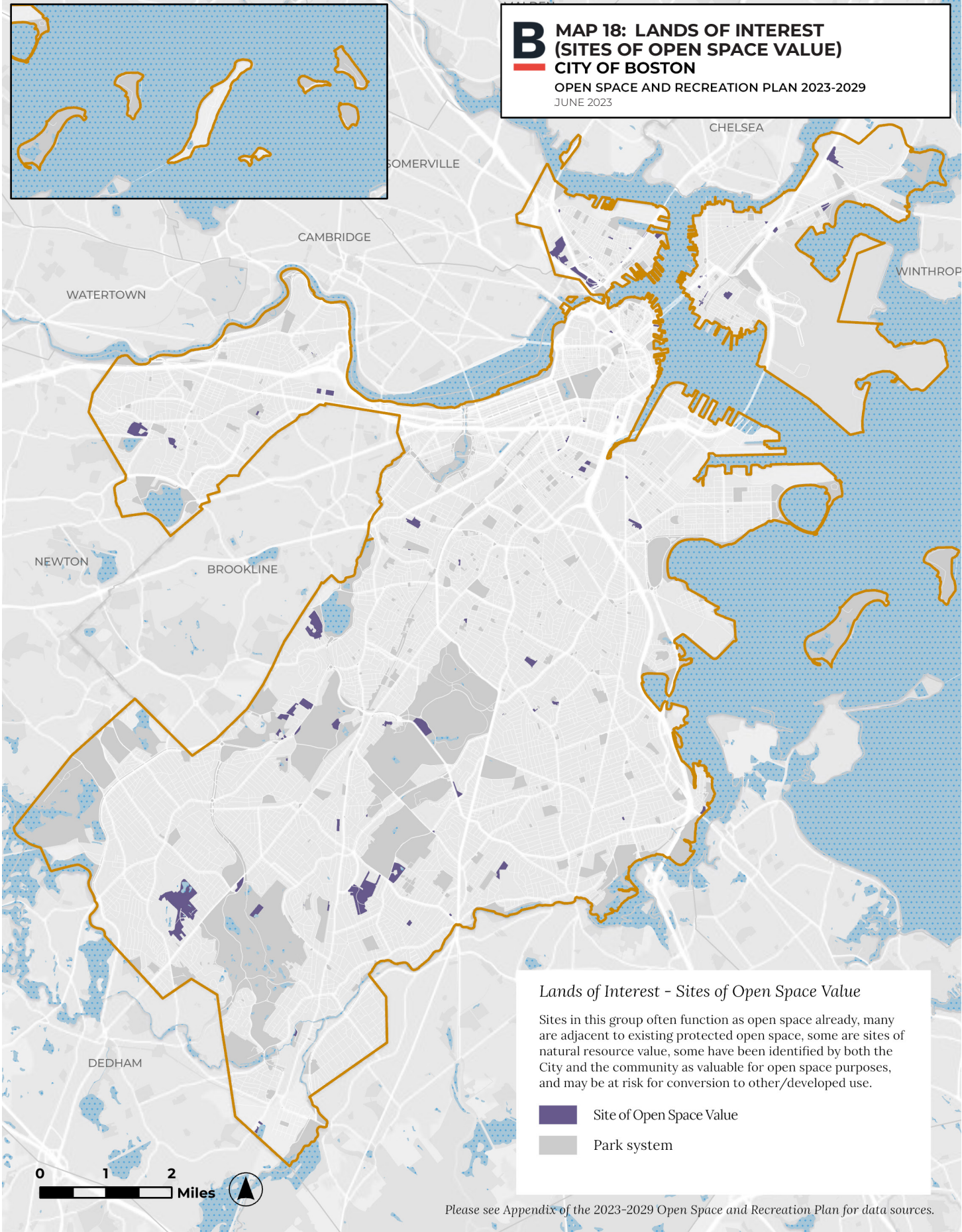
Lands of Interest - Areas of Interest (AOI)

These are places in the city where open space needs have been identified through mapping, analysis, public and staff input, but specific sites to meet those needs have not. Development is anticipated in many of these areas, increasing the demand for open space resources. Sites in Sites of Open Space of Value, Sites of Potential Open Space Value, or on the Unclassified Speculative layer may fall into these Areas of Interest.

-  Areas of Interest
-  Park system

Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

B MAP 18: LANDS OF INTEREST
 (SITES OF OPEN SPACE VALUE)
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



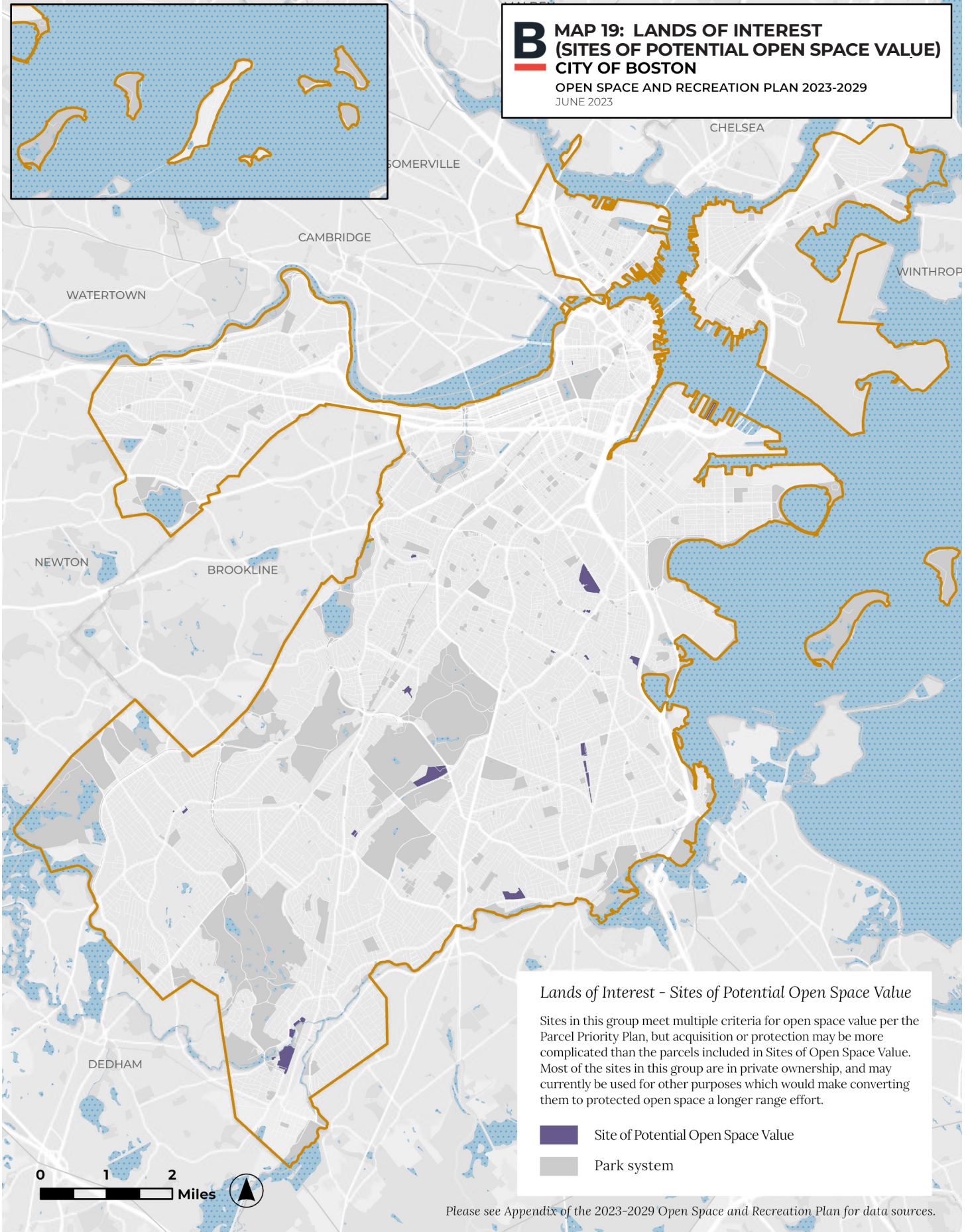
Lands of Interest - Sites of Open Space Value

Sites in this group often function as open space already, many are adjacent to existing protected open space, some are sites of natural resource value, some have been identified by both the City and the community as valuable for open space purposes, and may be at risk for conversion to other/developed use.

- Site of Open Space Value
- Park system

Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

B MAP 19: LANDS OF INTEREST
 (SITES OF POTENTIAL OPEN SPACE VALUE)
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



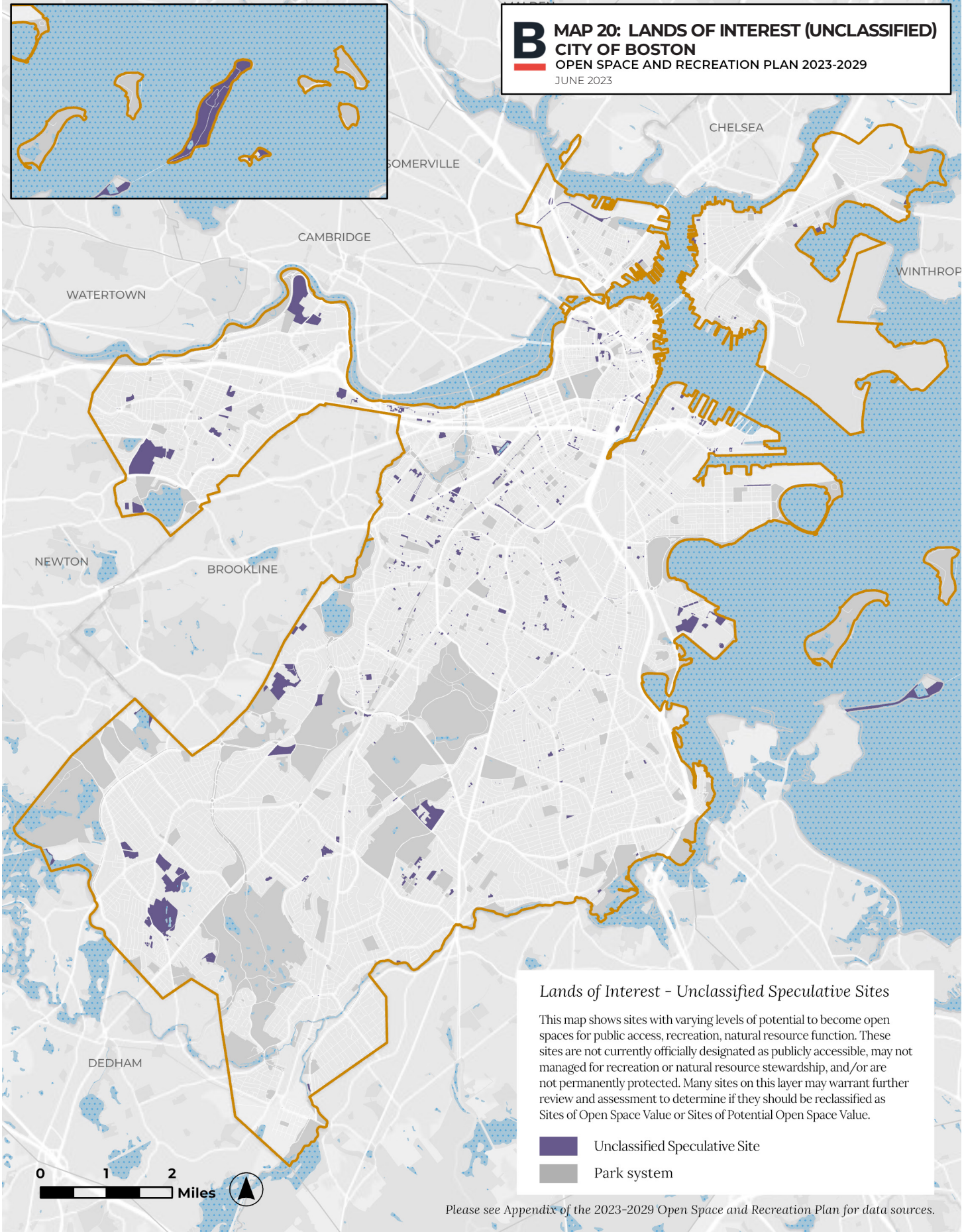
Lands of Interest - Sites of Potential Open Space Value

Sites in this group meet multiple criteria for open space value per the Parcel Priority Plan, but acquisition or protection may be more complicated than the parcels included in Sites of Open Space Value. Most of the sites in this group are in private ownership, and may currently be used for other purposes which would make converting them to protected open space a longer range effort.

- Site of Potential Open Space Value
- Park system

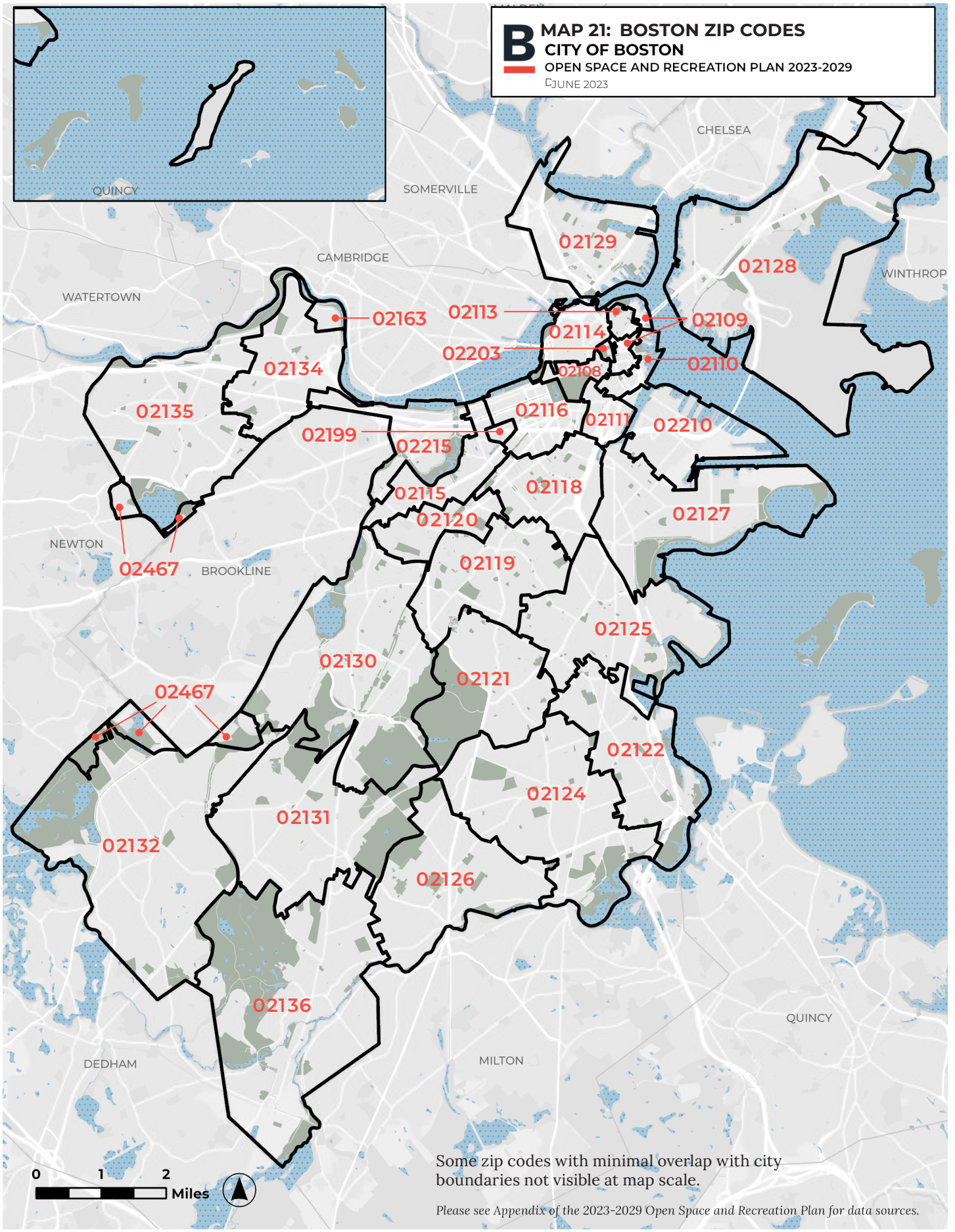
Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

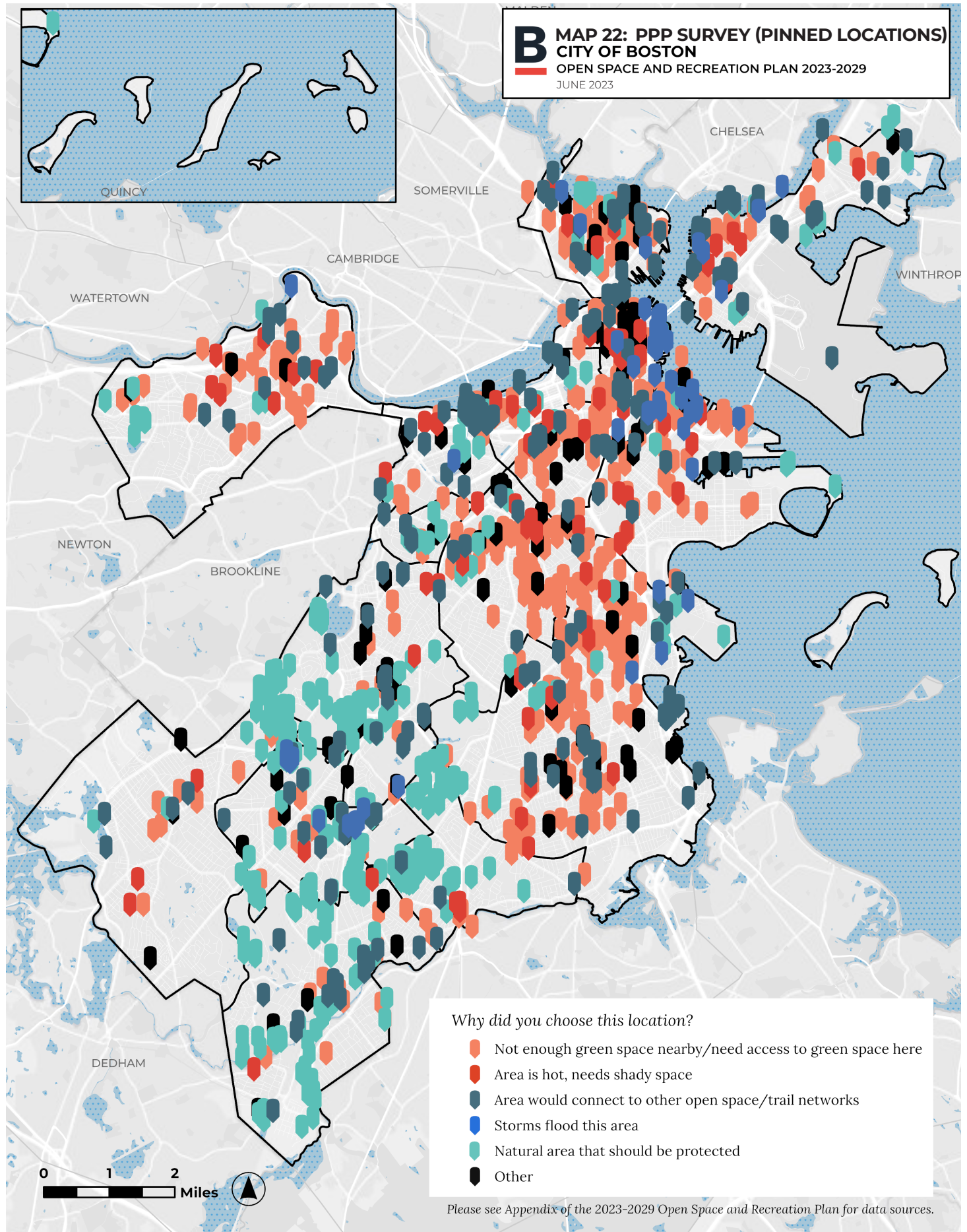
B MAP 20: LANDS OF INTEREST (UNCLASSIFIED)
CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



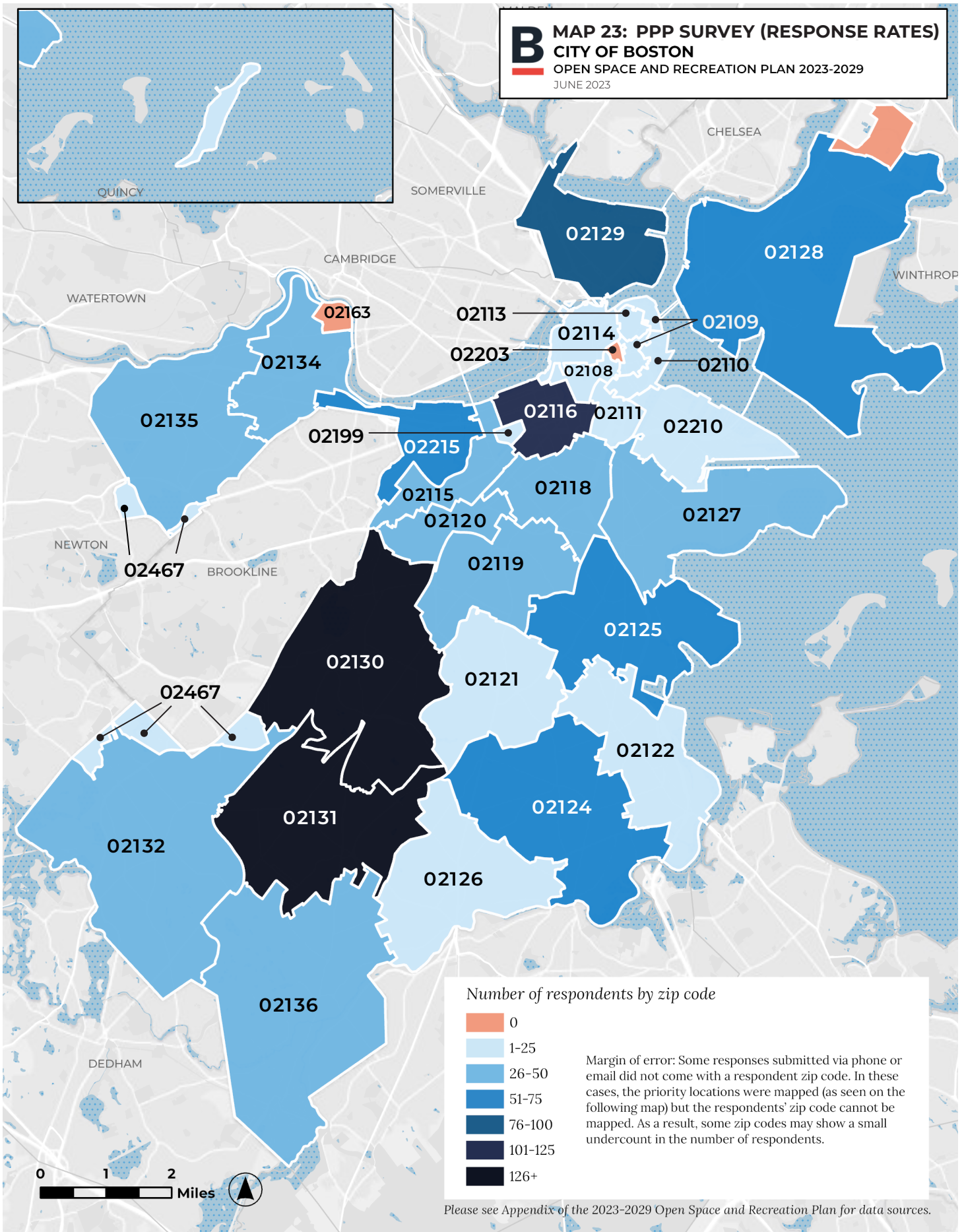
Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

B MAP 21: BOSTON ZIP CODES
CITY OF BOSTON
OPEN SPACE AND RECREATION PLAN 2023-2029
JUNE 2023

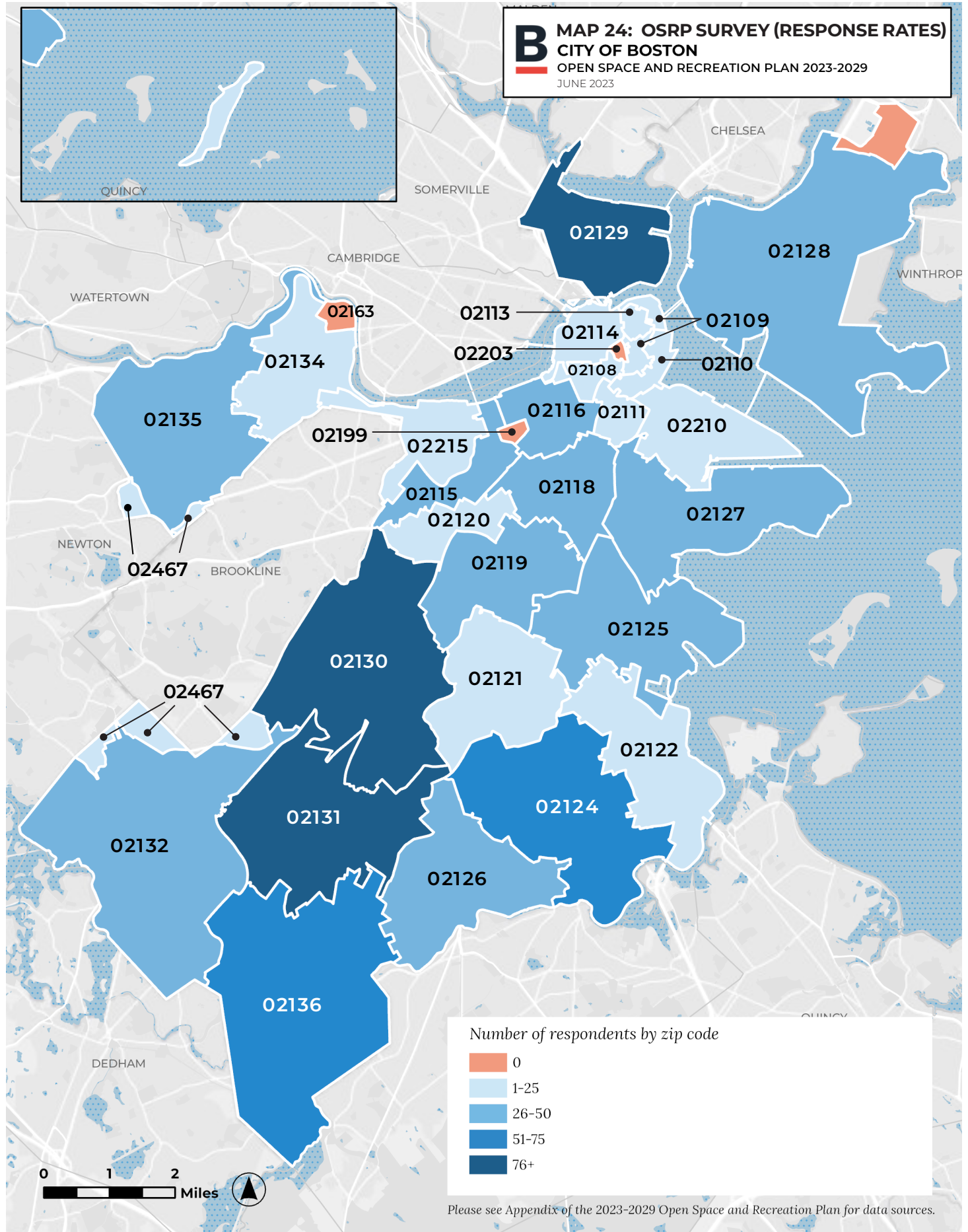


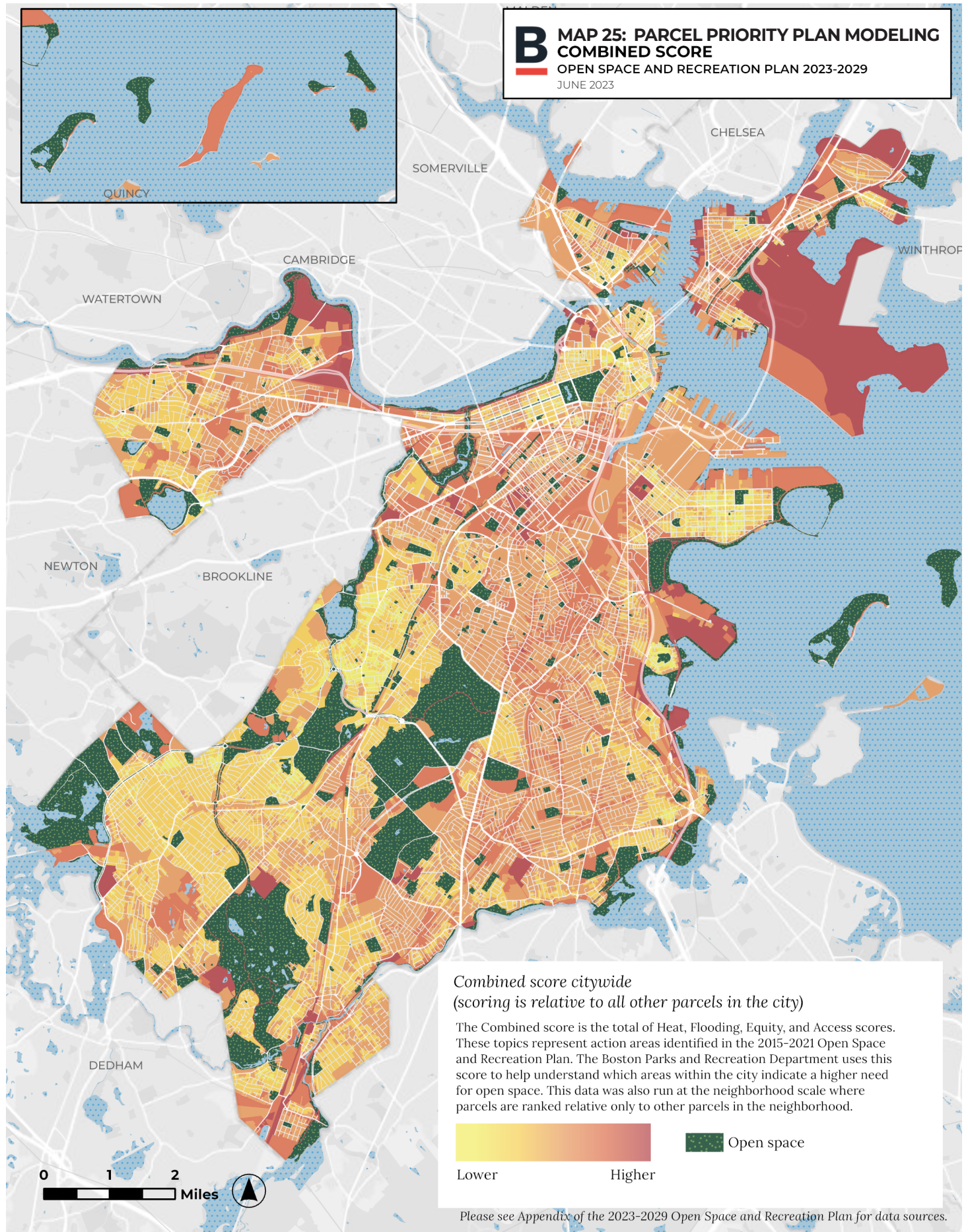


B MAP 23: PPP SURVEY (RESPONSE RATES)
CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.





B MAP 25: PARCEL PRIORITY PLAN MODELING
COMBINED SCORE
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023

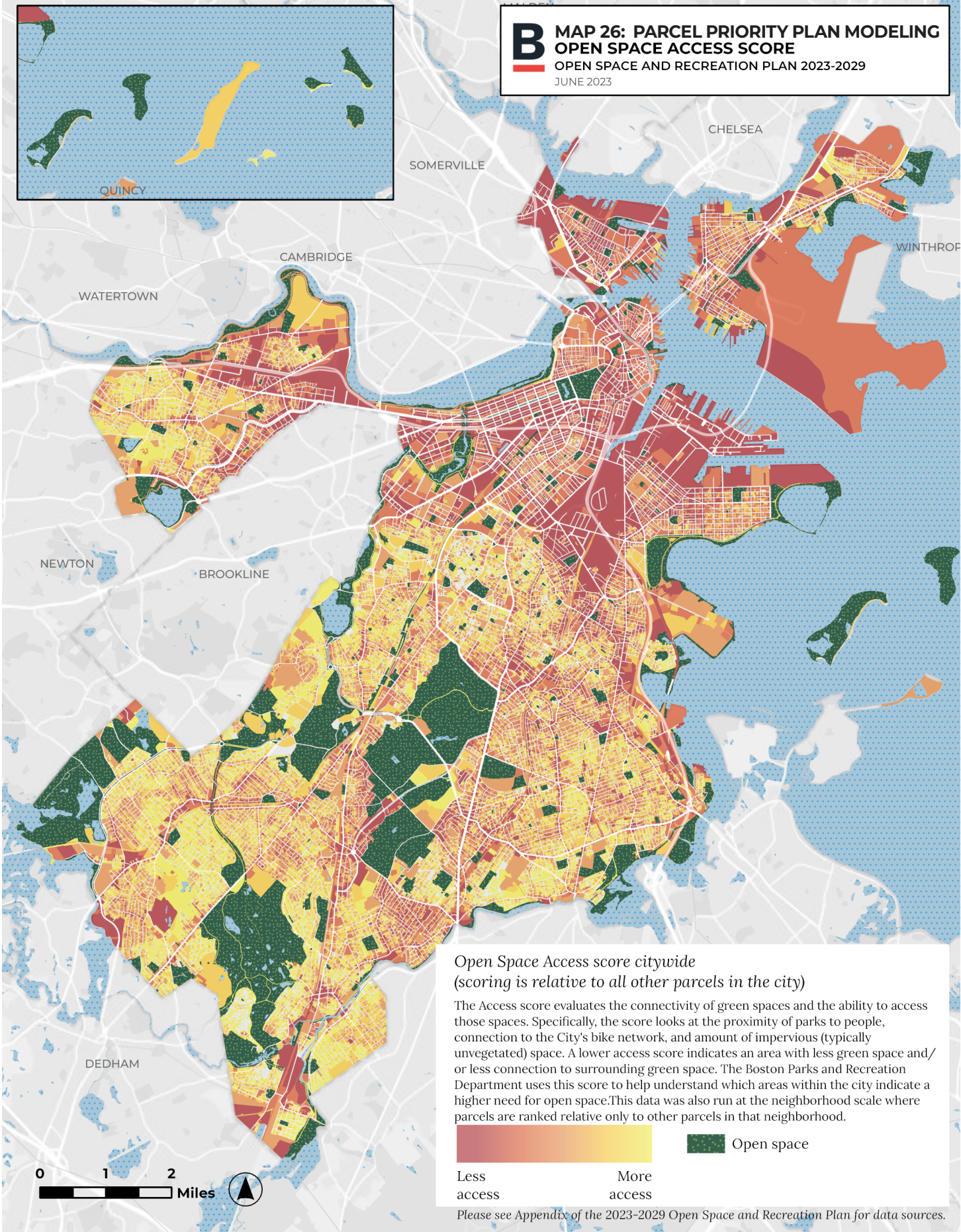
Combined score citywide
 (scoring is relative to all other parcels in the city)

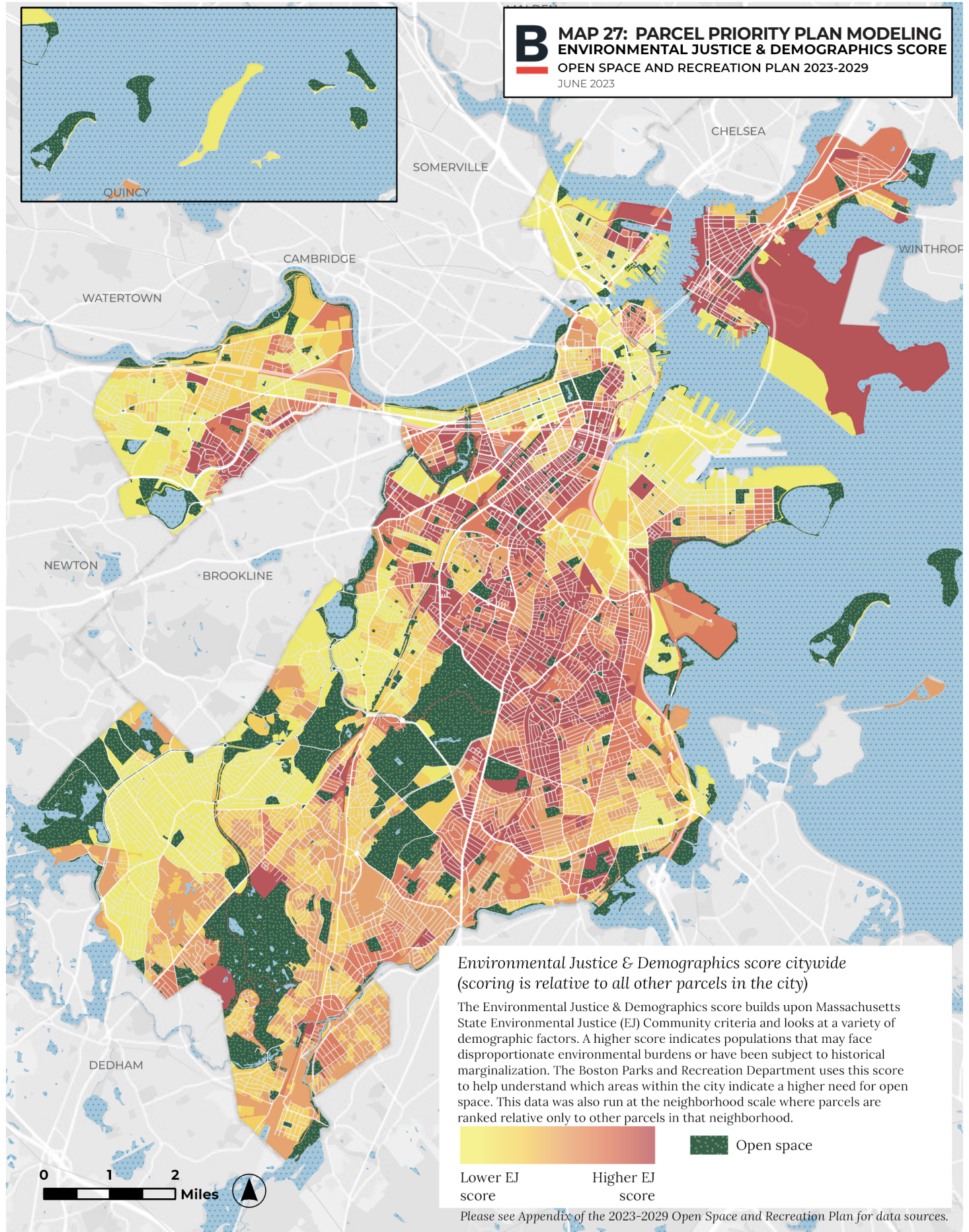
The Combined score is the total of Heat, Flooding, Equity, and Access scores. These topics represent action areas identified in the 2015-2021 Open Space and Recreation Plan. The Boston Parks and Recreation Department uses this score to help understand which areas within the city indicate a higher need for open space. This data was also run at the neighborhood scale where parcels are ranked relative only to other parcels in the neighborhood.

Lower Higher Open space

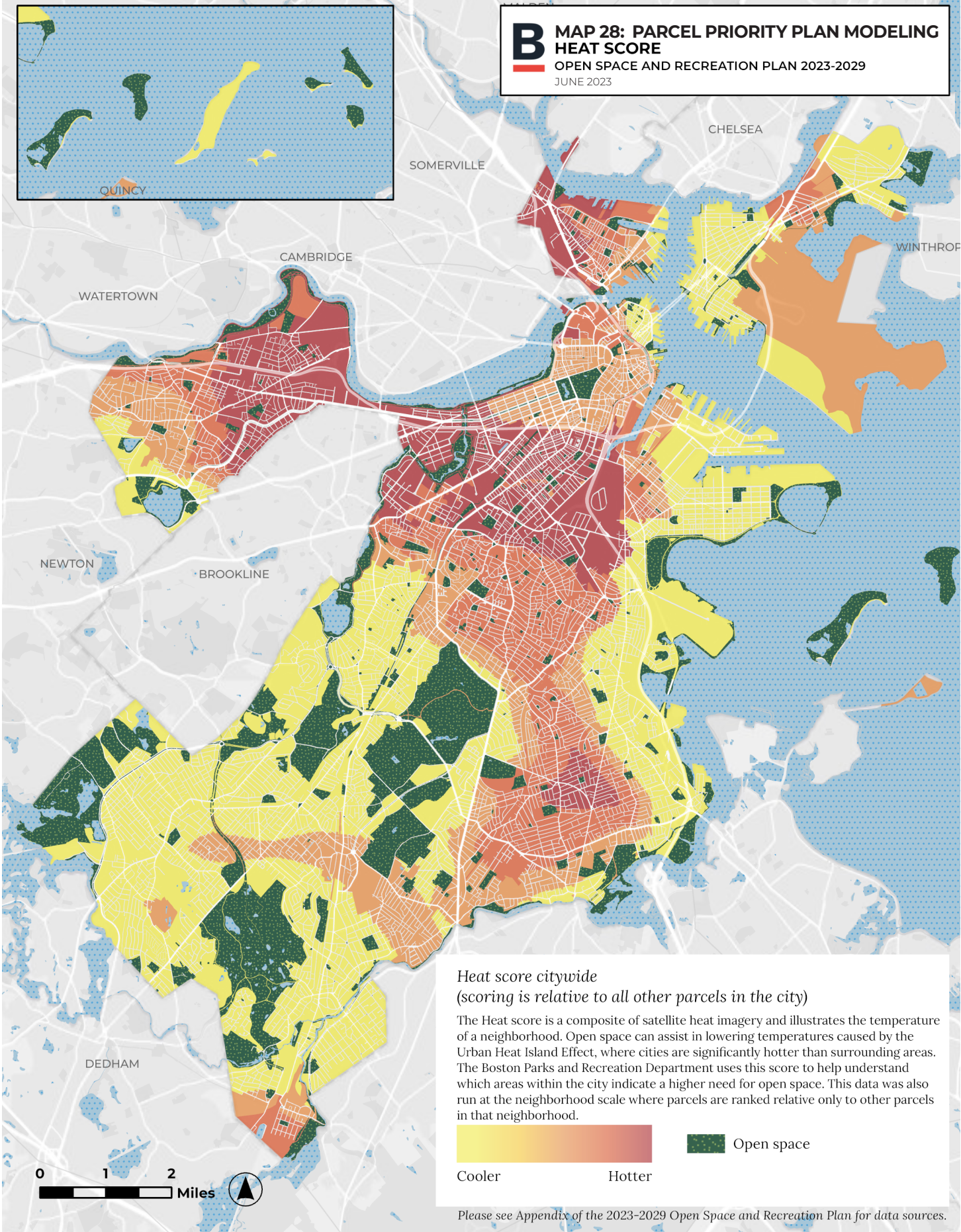
Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

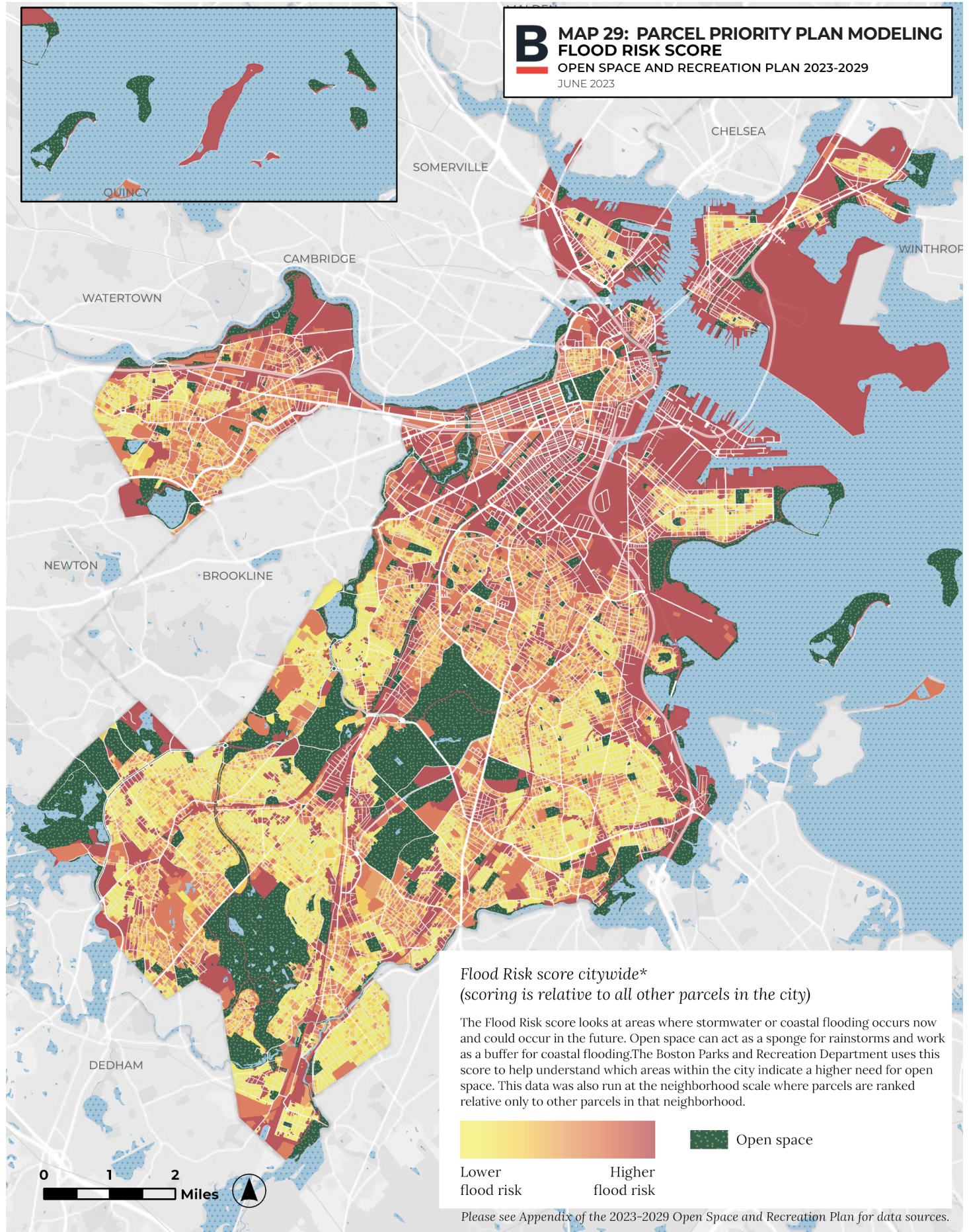
B MAP 26: PARCEL PRIORITY PLAN MODELING
OPEN SPACE ACCESS SCORE
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



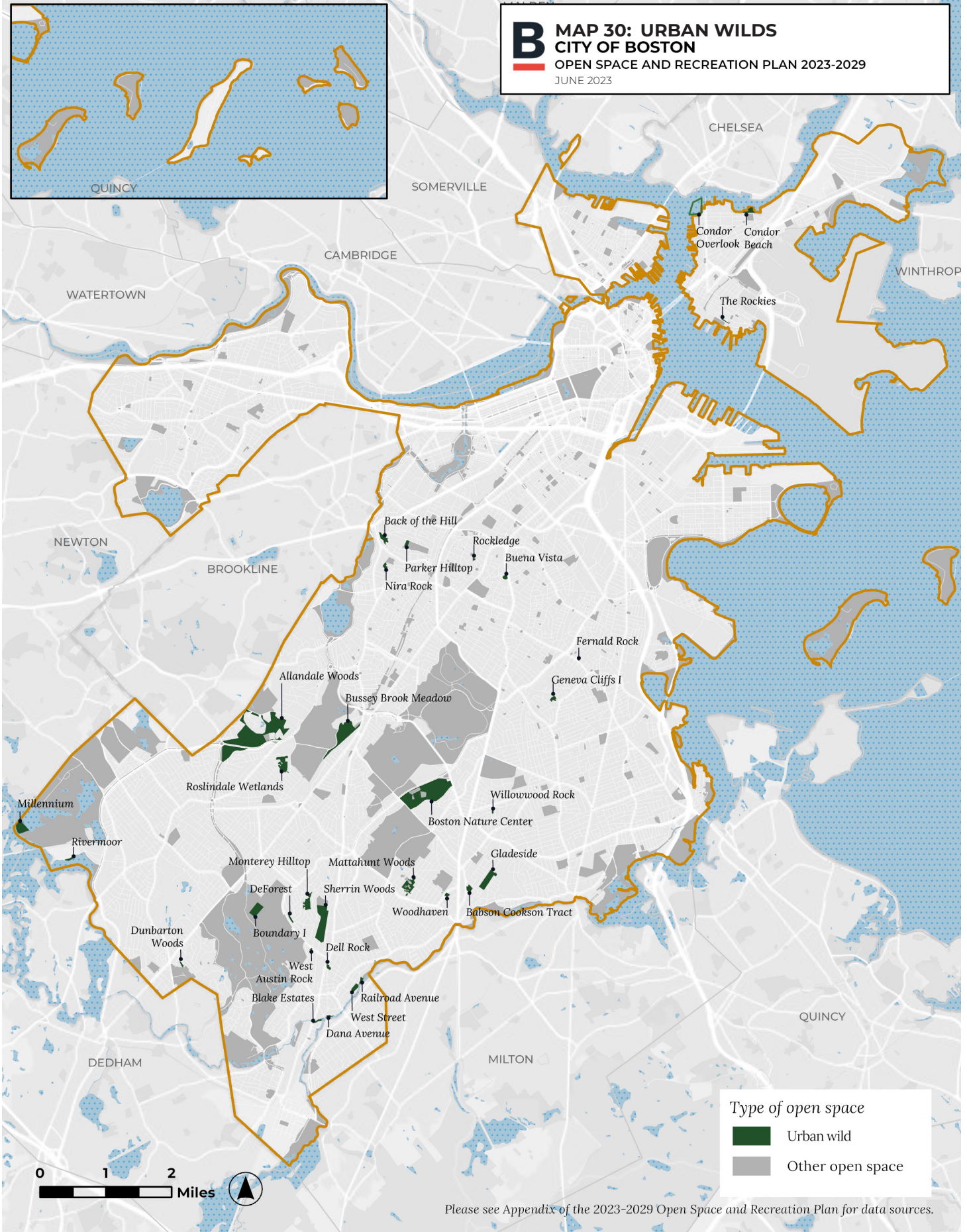


B MAP 28: PARCEL PRIORITY PLAN MODELING
HEAT SCORE
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023





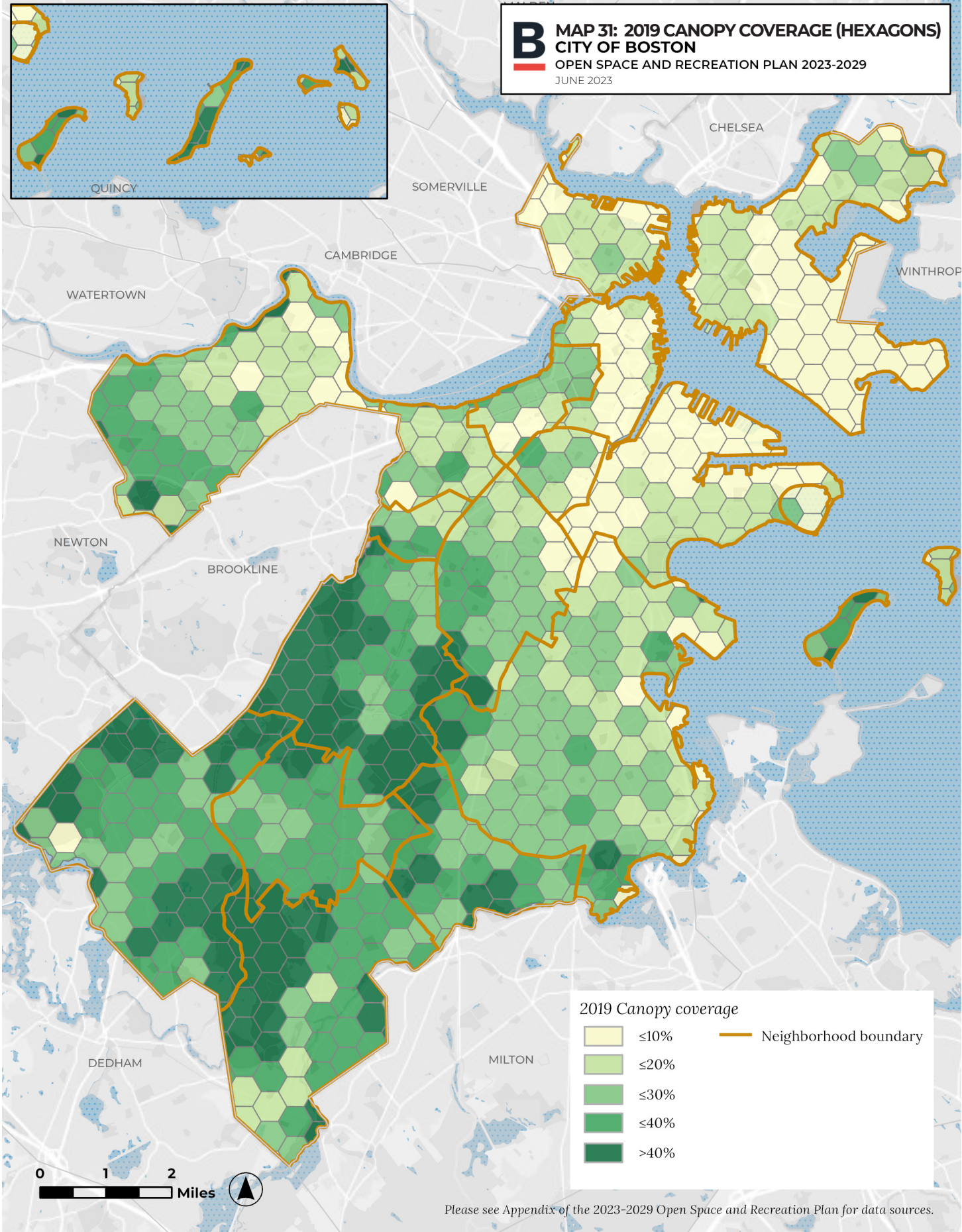
B MAP 30: URBAN WILDS
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



Type of open space
 Urban wild
 Other open space

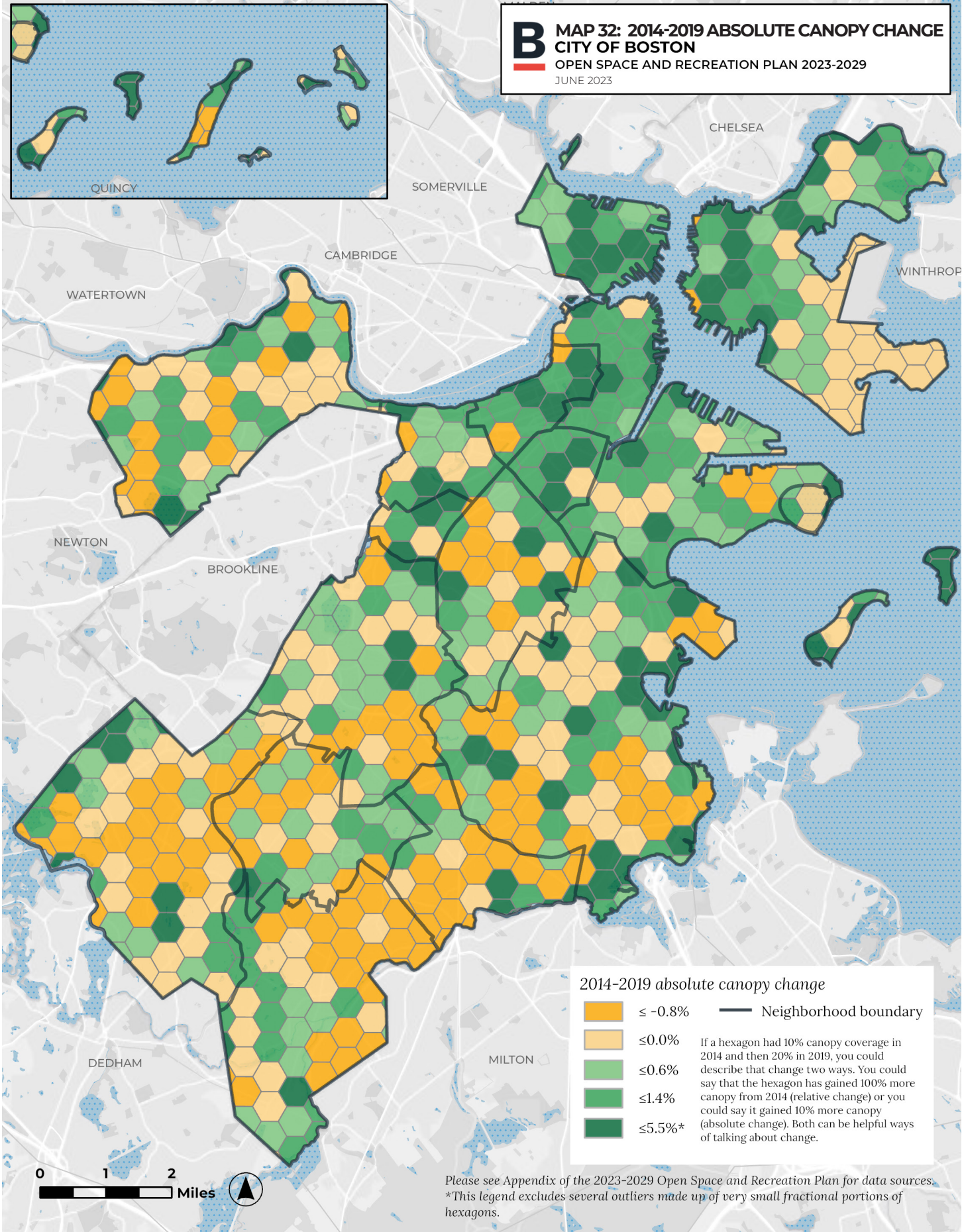
Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

B MAP 31: 2019 CANOPY COVERAGE (HEXAGONS)
CITY OF BOSTON
OPEN SPACE AND RECREATION PLAN 2023-2029
JUNE 2023

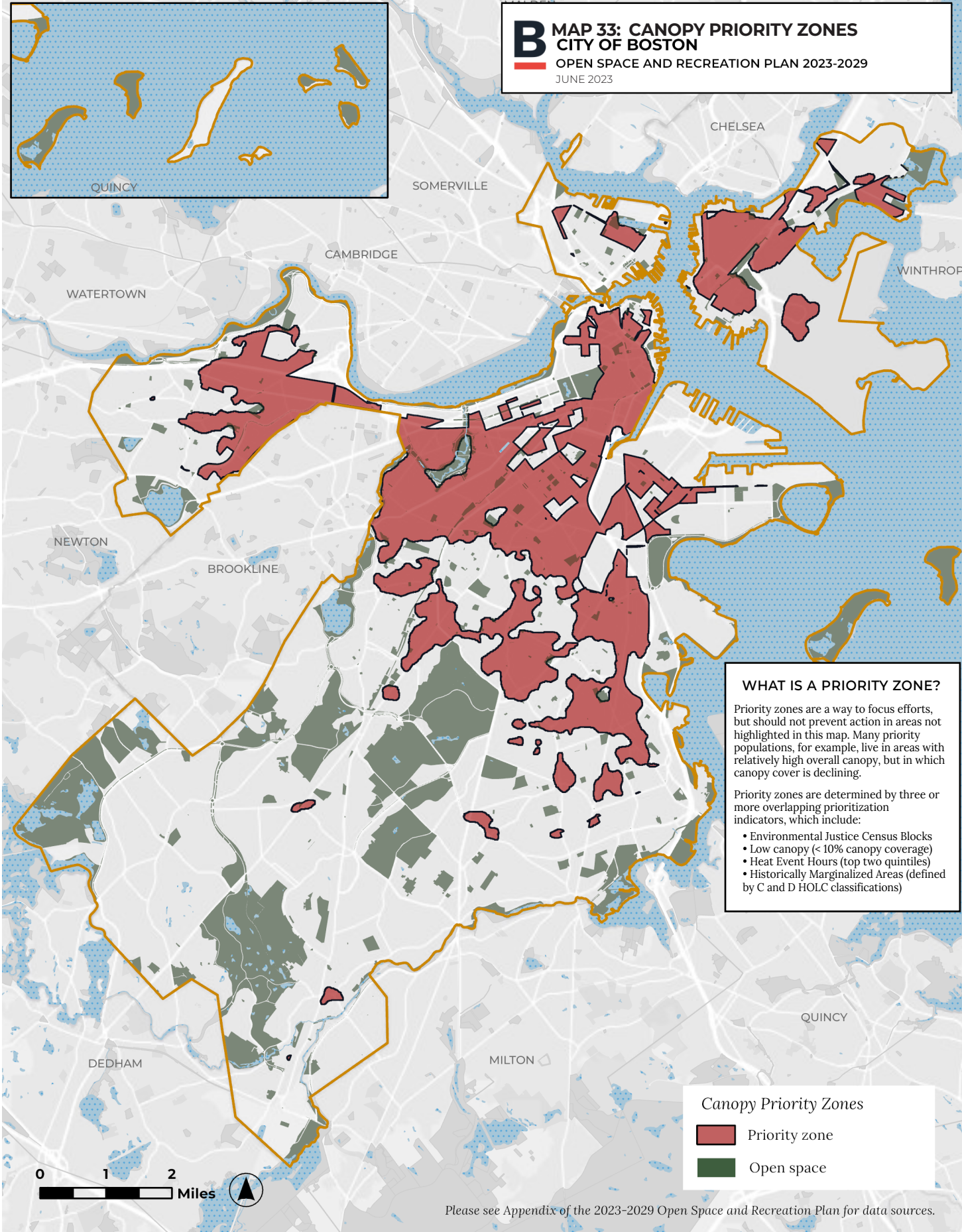
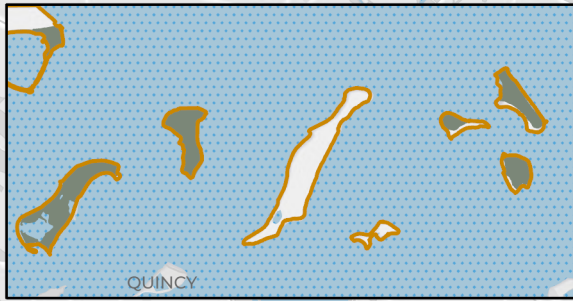


Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

B MAP 32: 2014-2019 ABSOLUTE CANOPY CHANGE
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



B MAP 33: CANOPY PRIORITY ZONES
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



WHAT IS A PRIORITY ZONE?

Priority zones are a way to focus efforts, but should not prevent action in areas not highlighted in this map. Many priority populations, for example, live in areas with relatively high overall canopy, but in which canopy cover is declining.

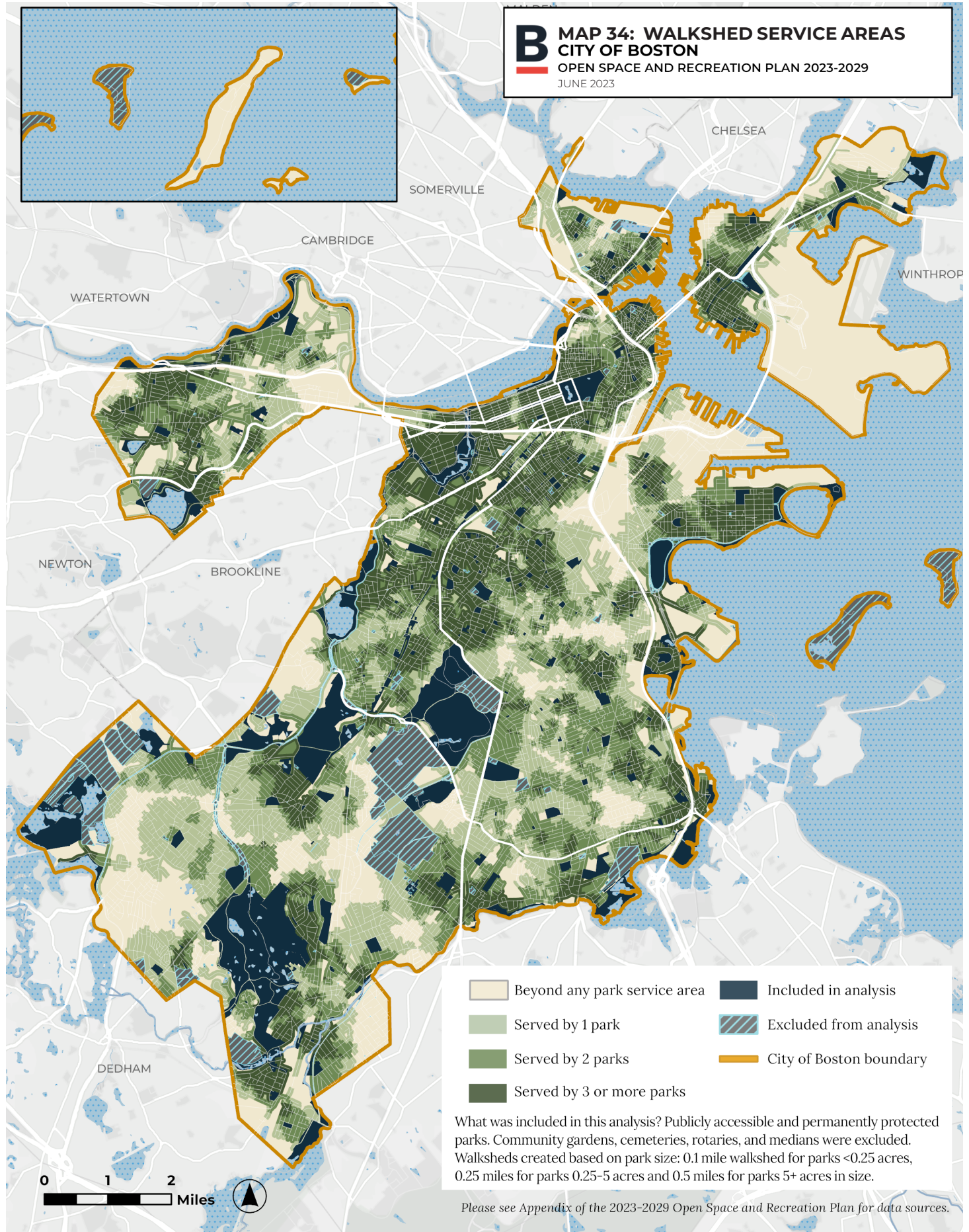
Priority zones are determined by three or more overlapping prioritization indicators, which include:

- Environmental Justice Census Blocks
- Low canopy (< 10% canopy coverage)
- Heat Event Hours (top two quintiles)
- Historically Marginalized Areas (defined by C and D HOLC classifications)

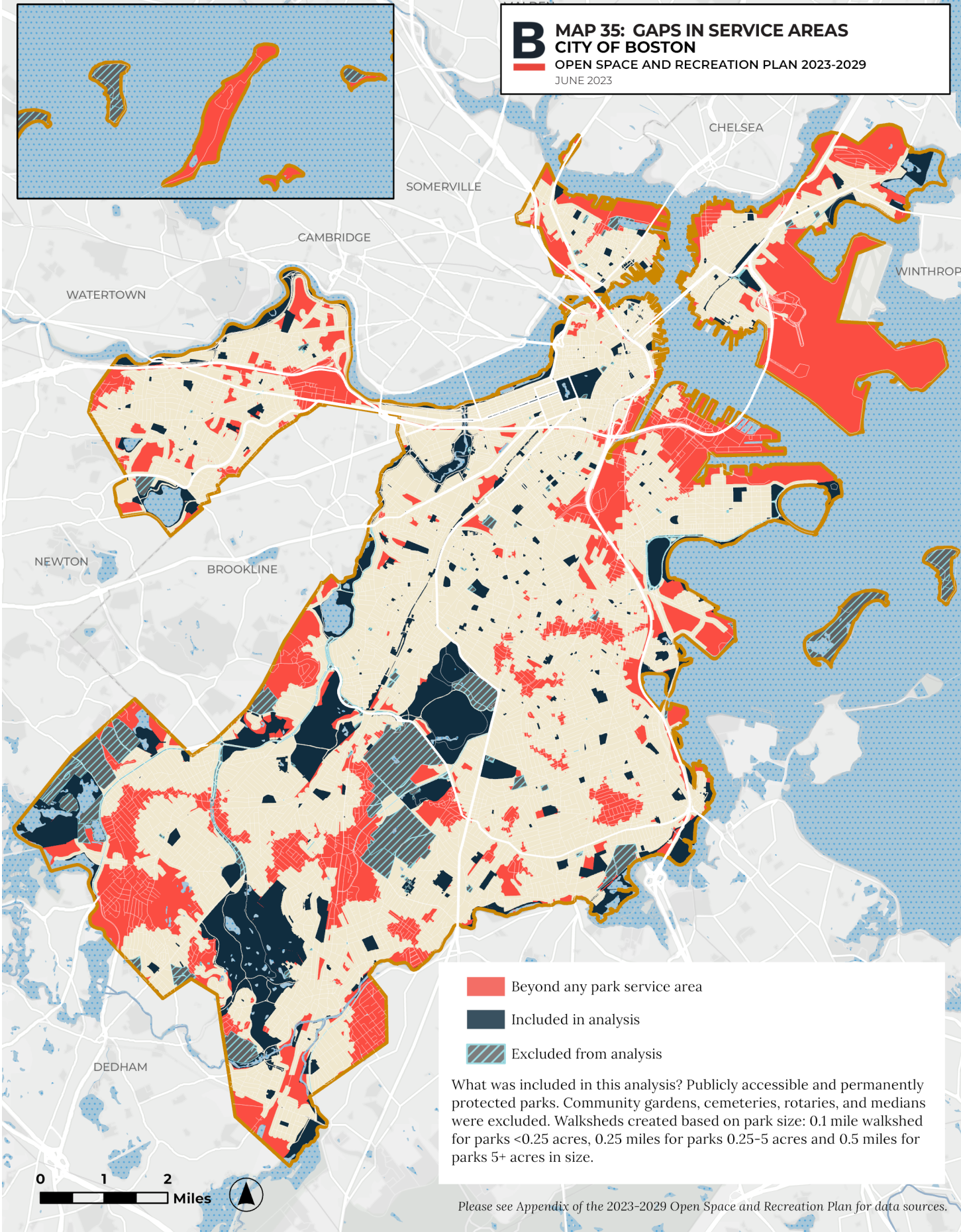
Canopy Priority Zones

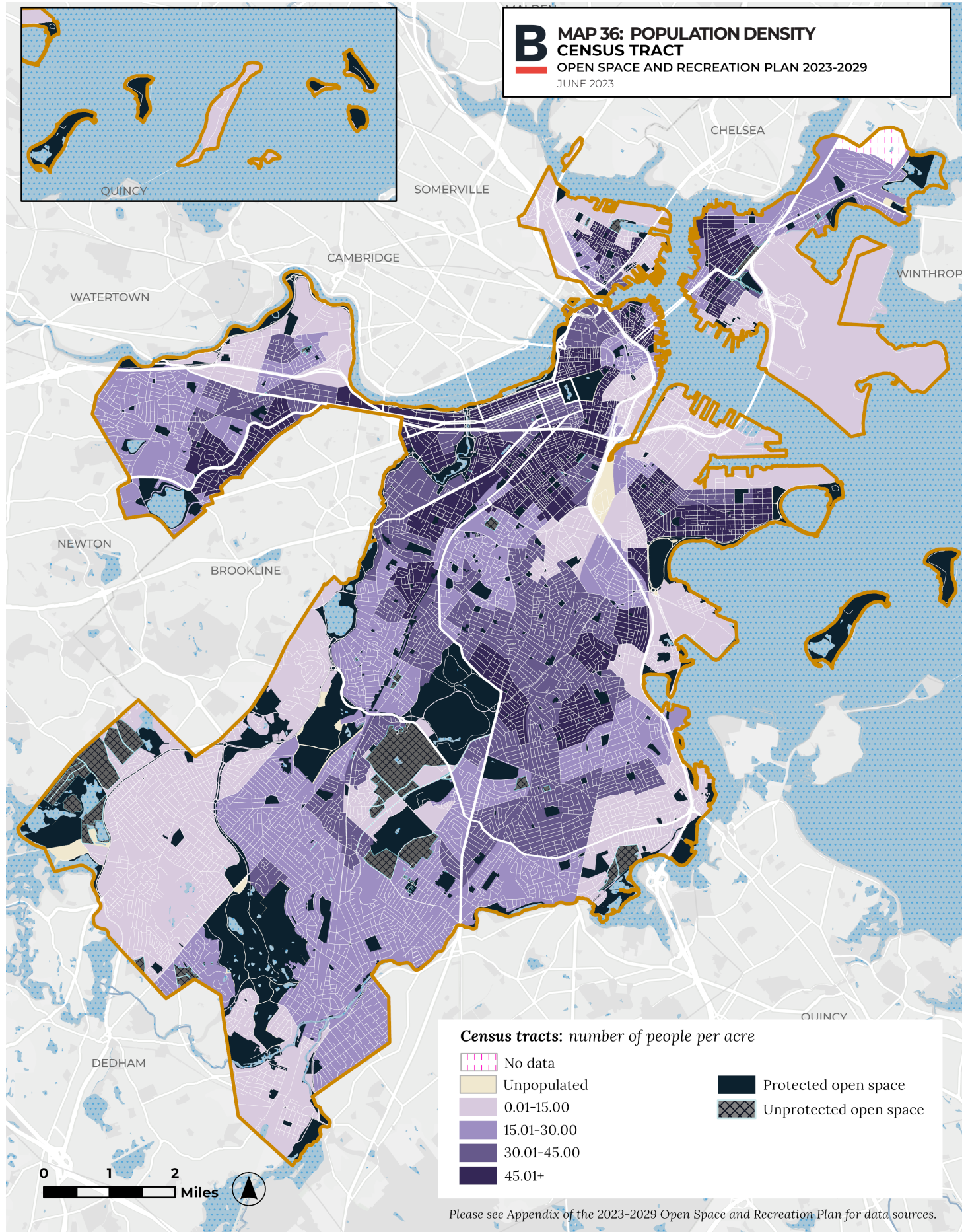
- Priority zone
- Open space

Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

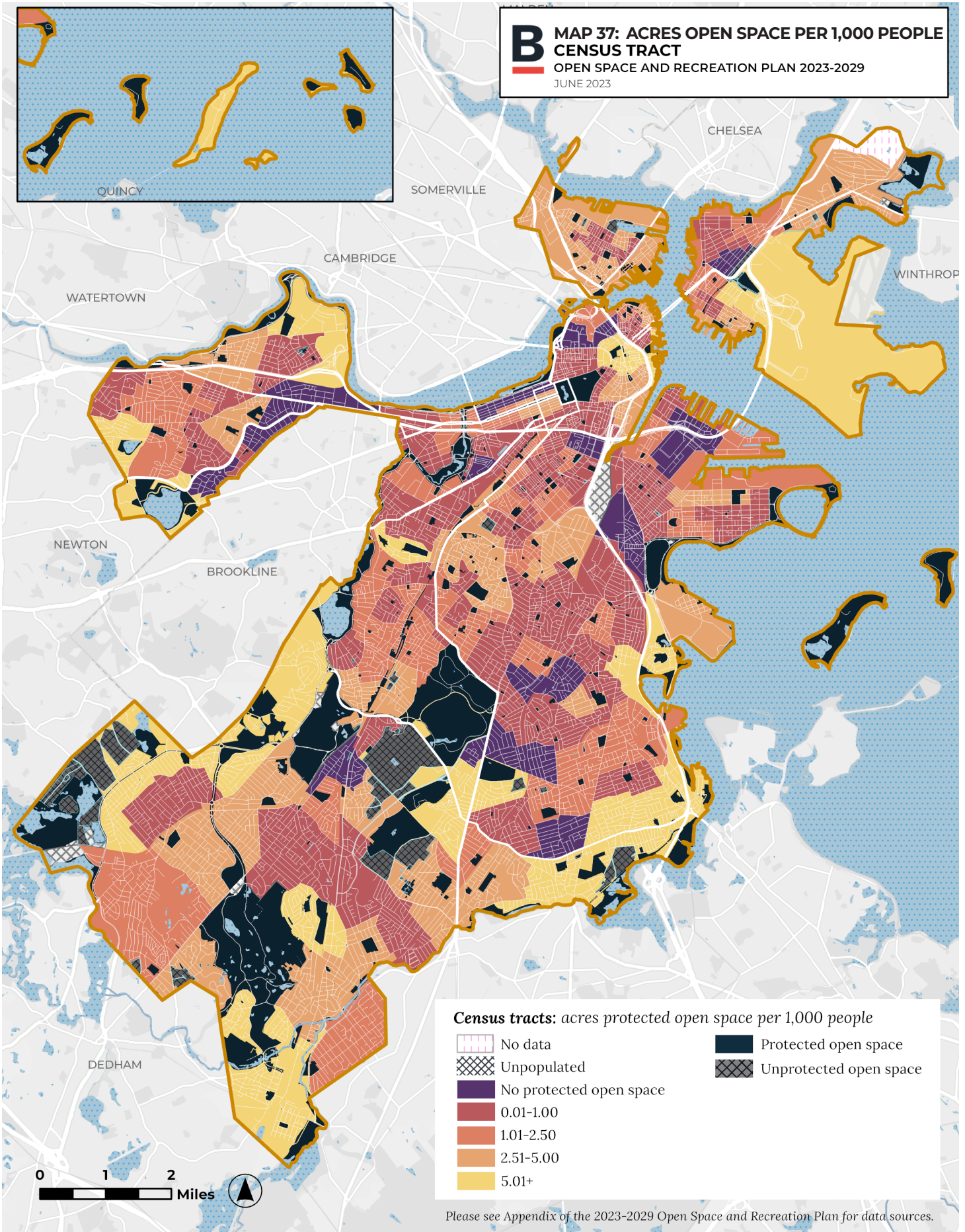


B MAP 35: GAPS IN SERVICE AREAS
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023

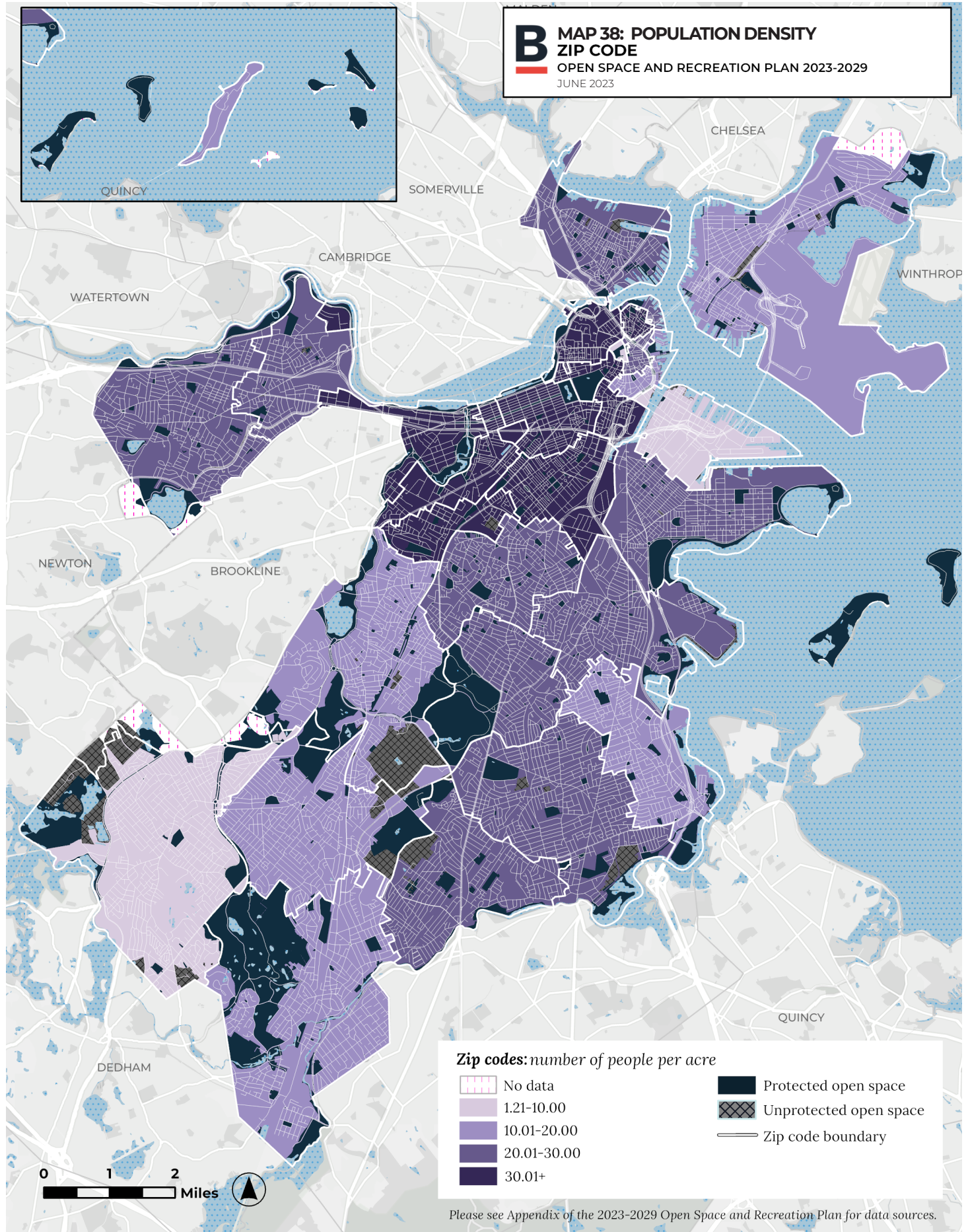


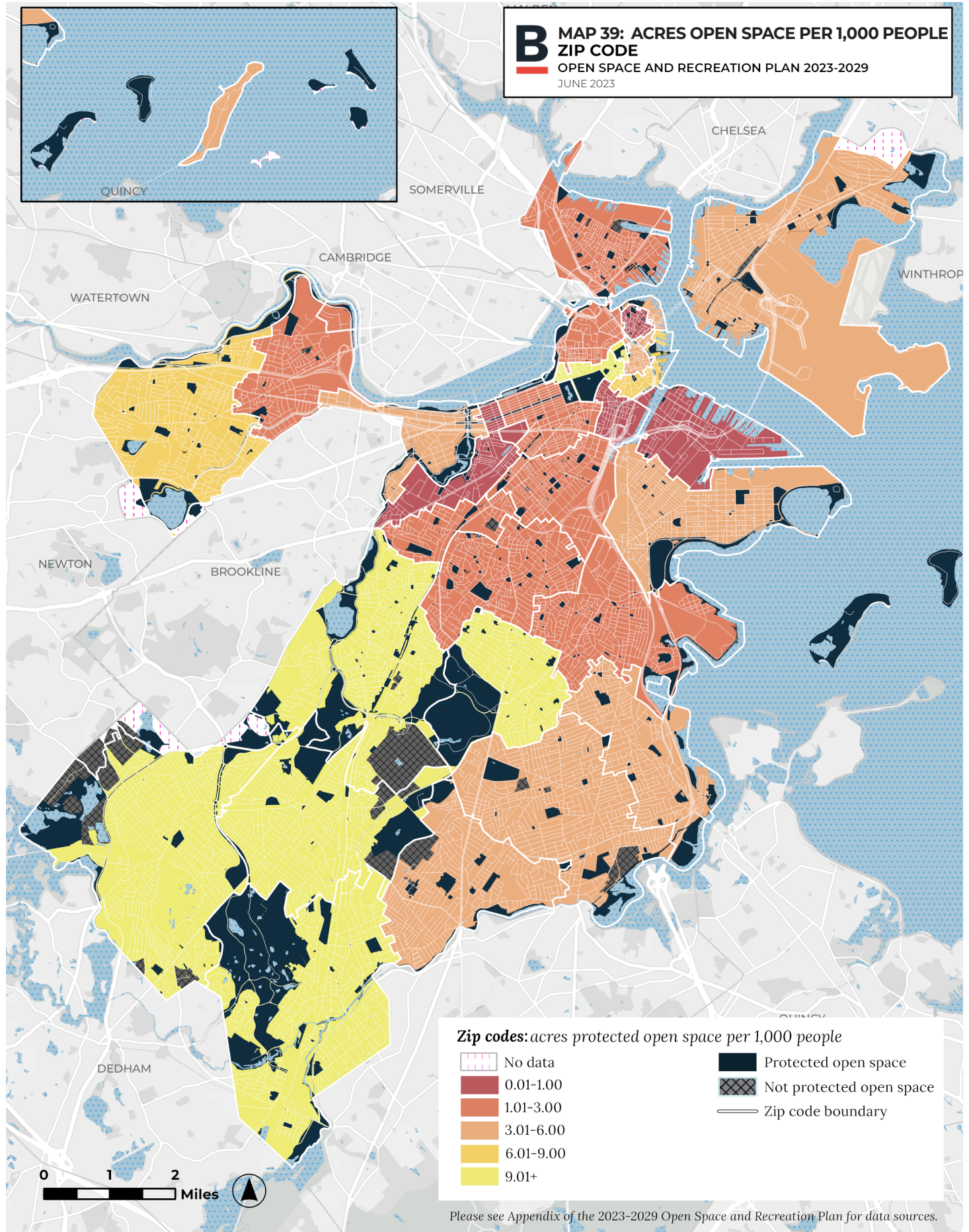


B MAP 37: ACRES OPEN SPACE PER 1,000 PEOPLE
CENSUS TRACT
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023

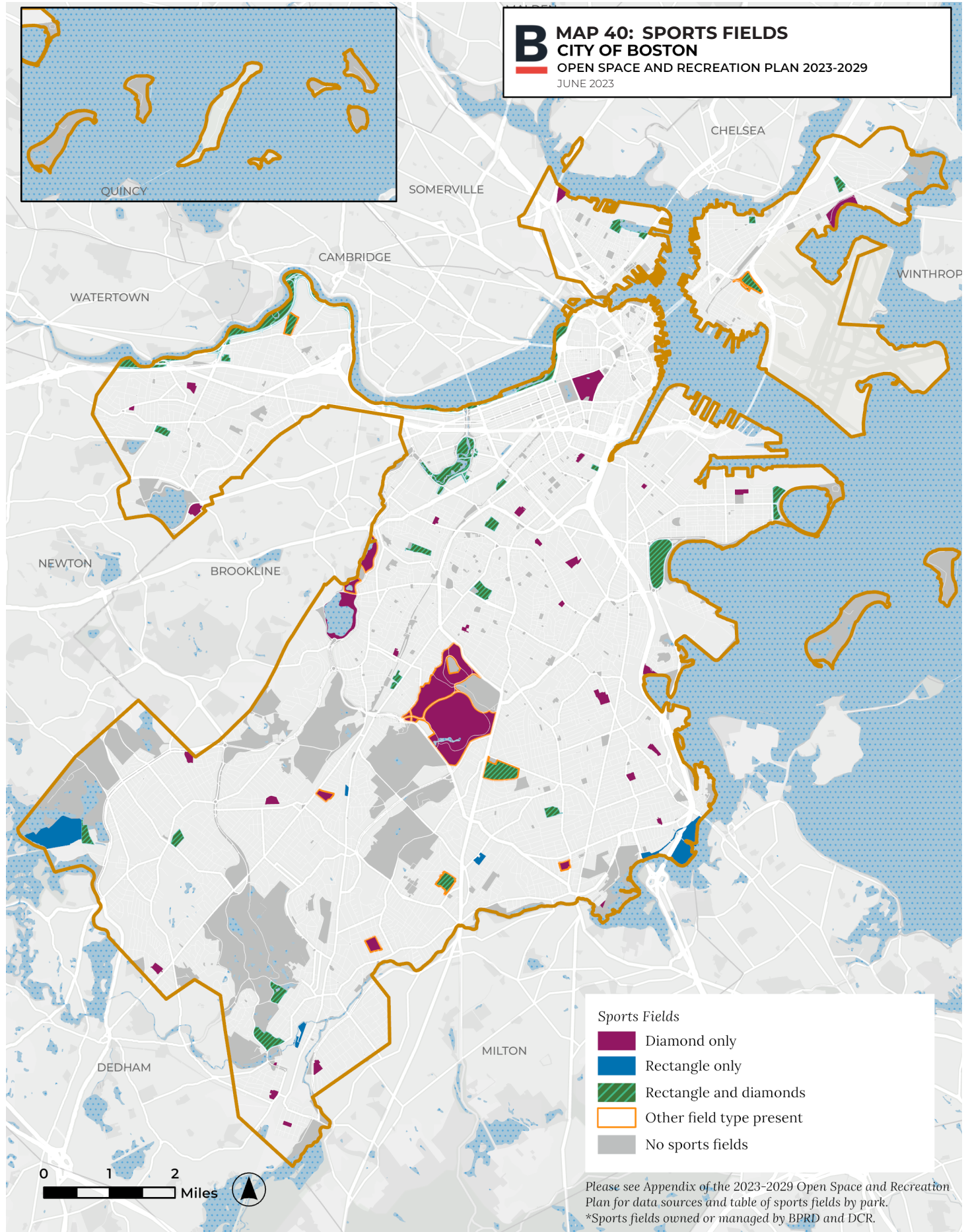


Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

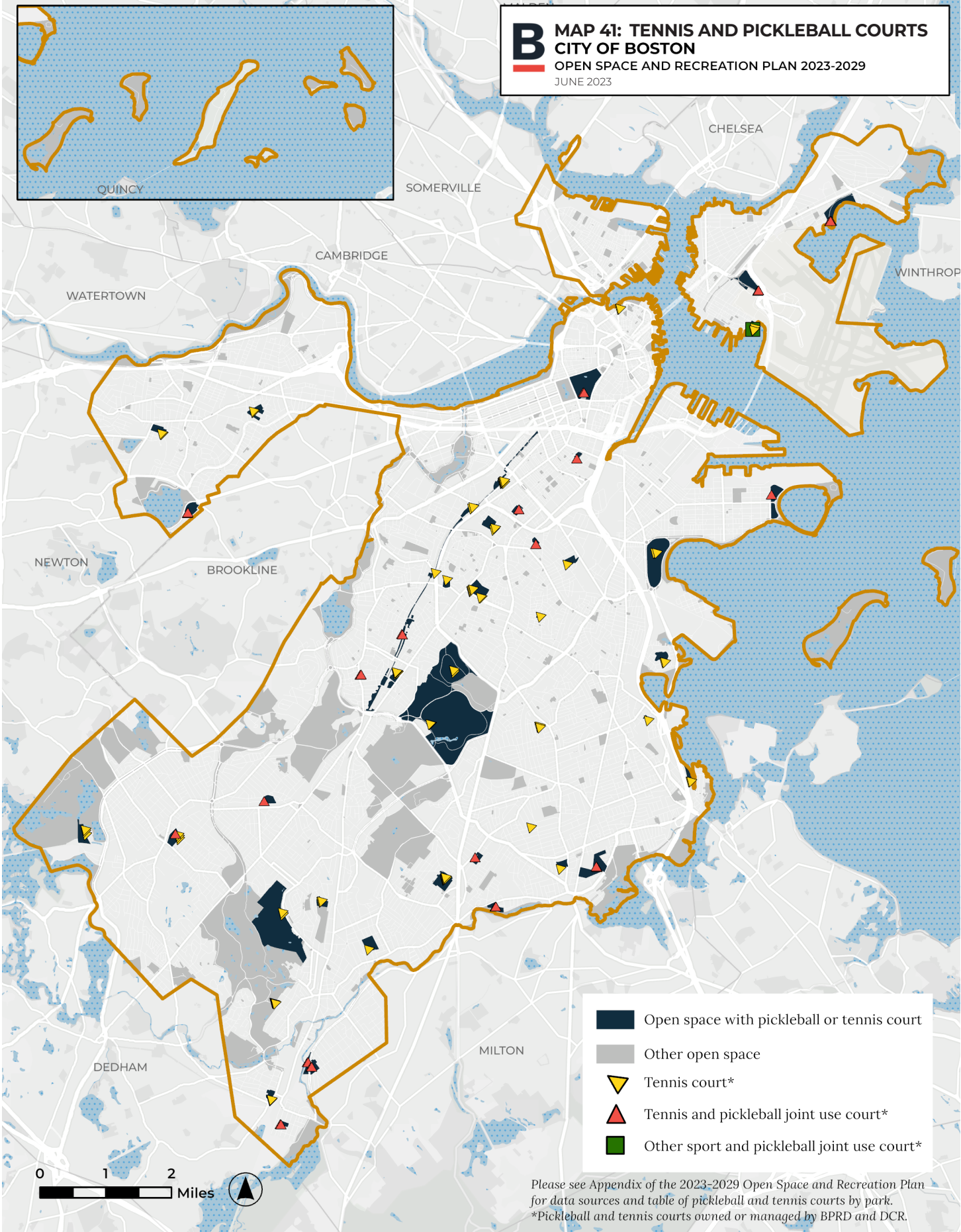


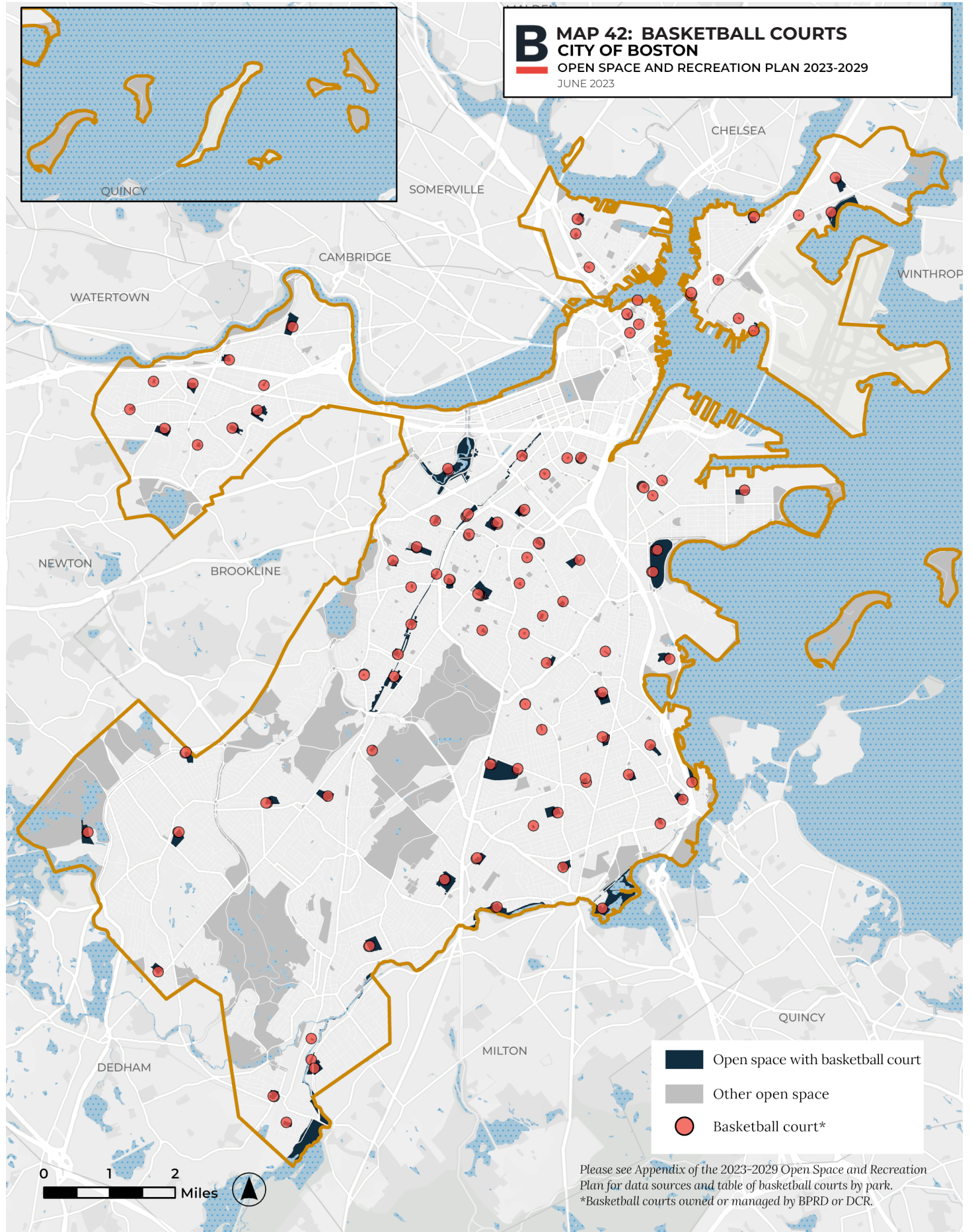


Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

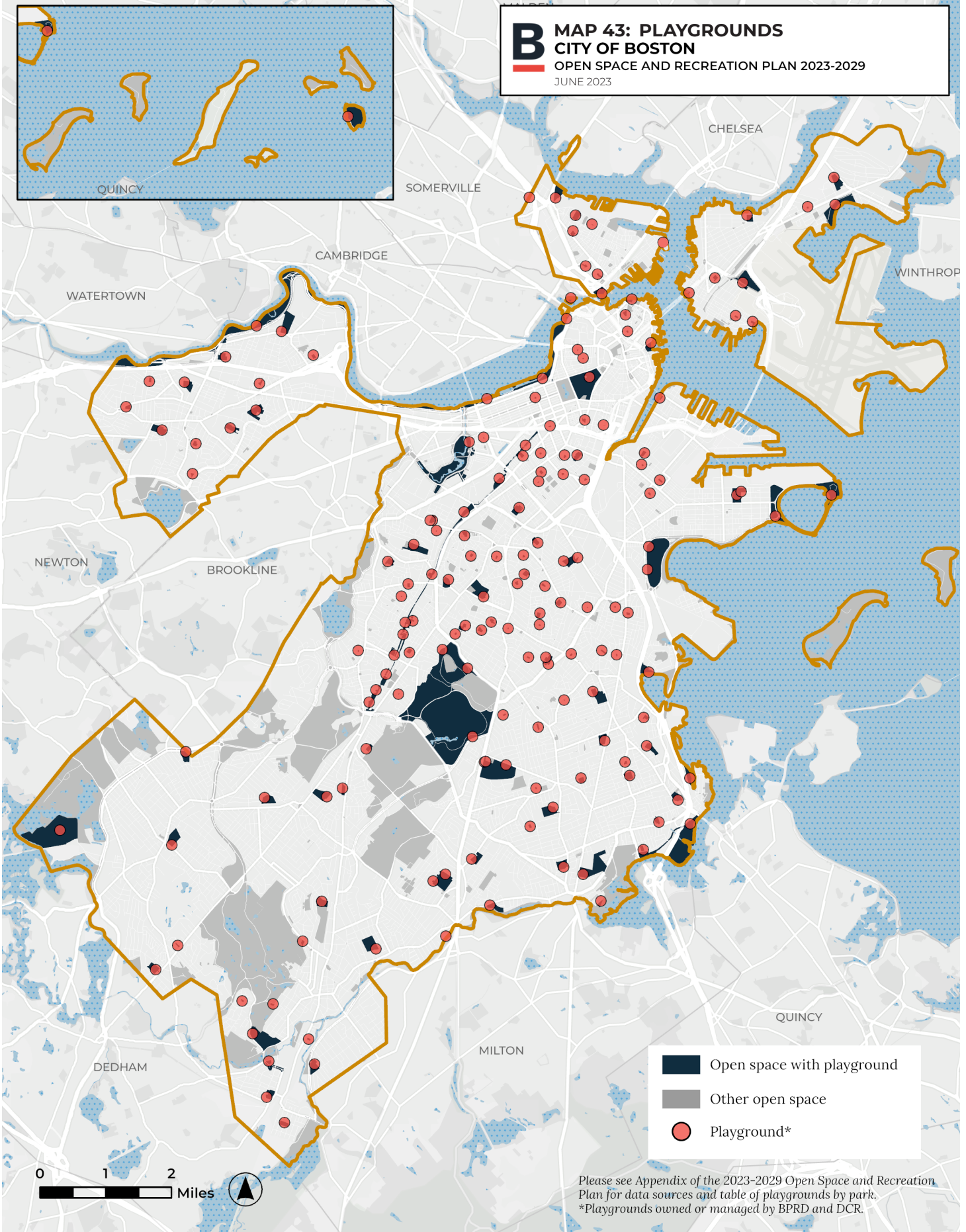


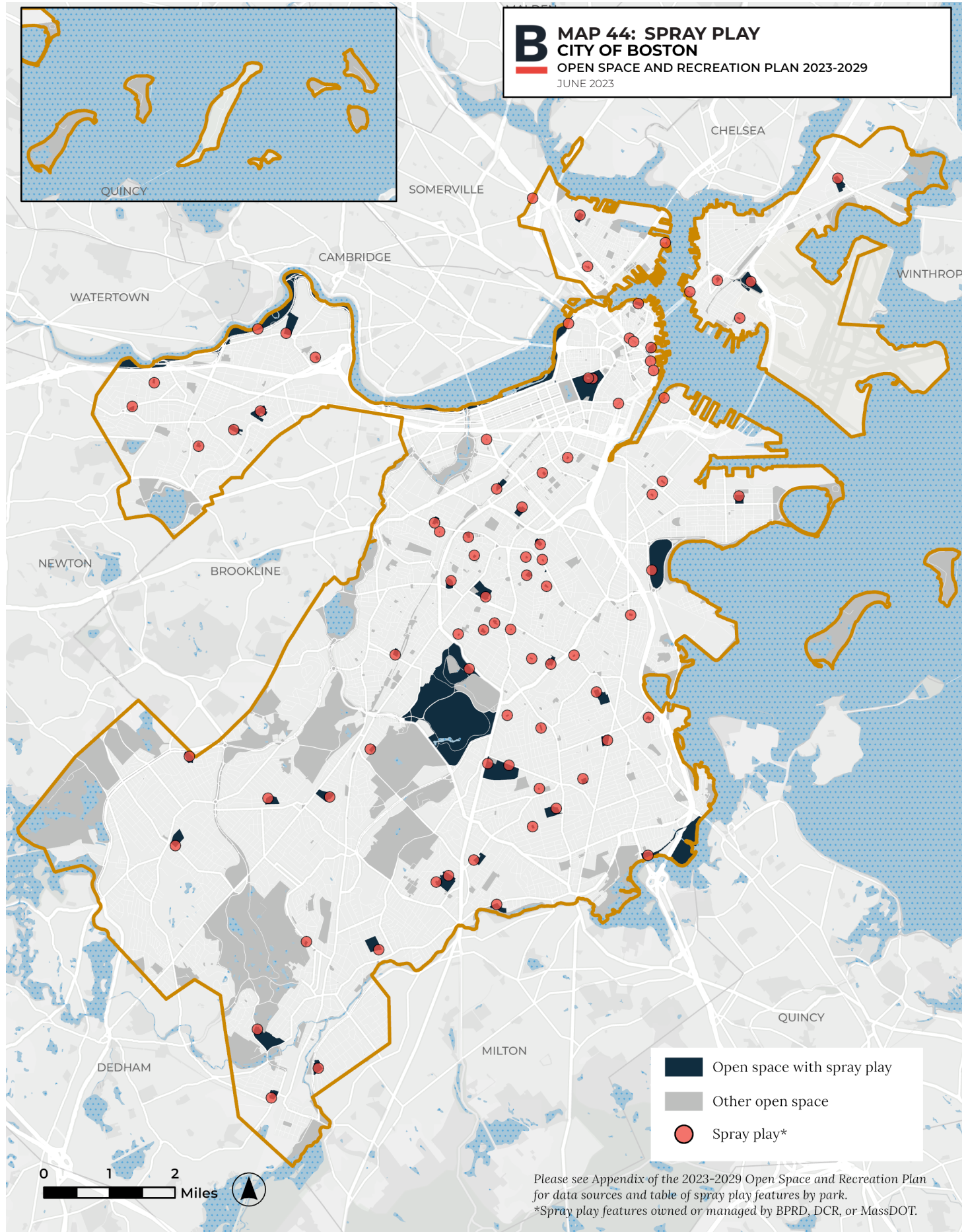
B MAP 41: TENNIS AND PICKLEBALL COURTS
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023

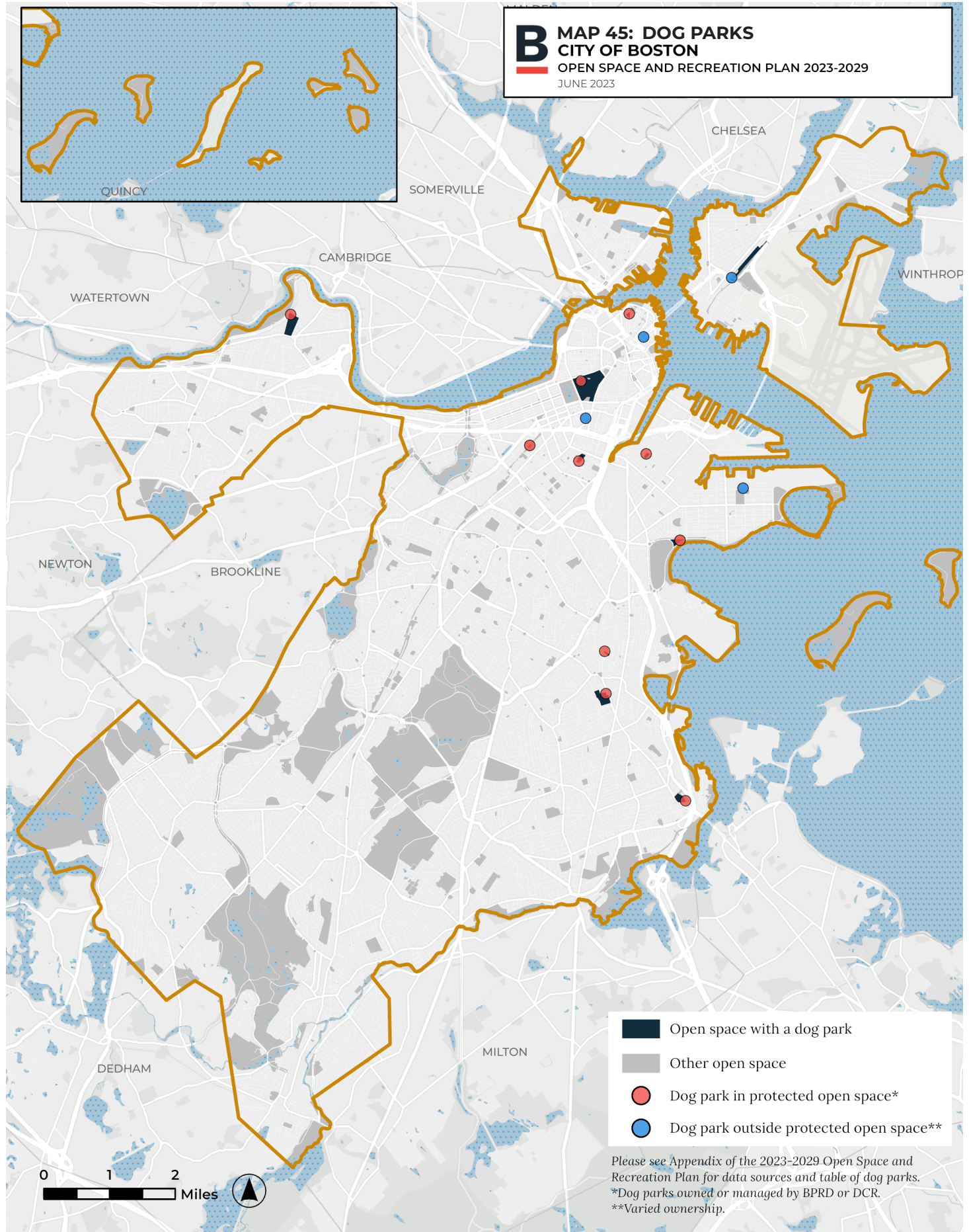


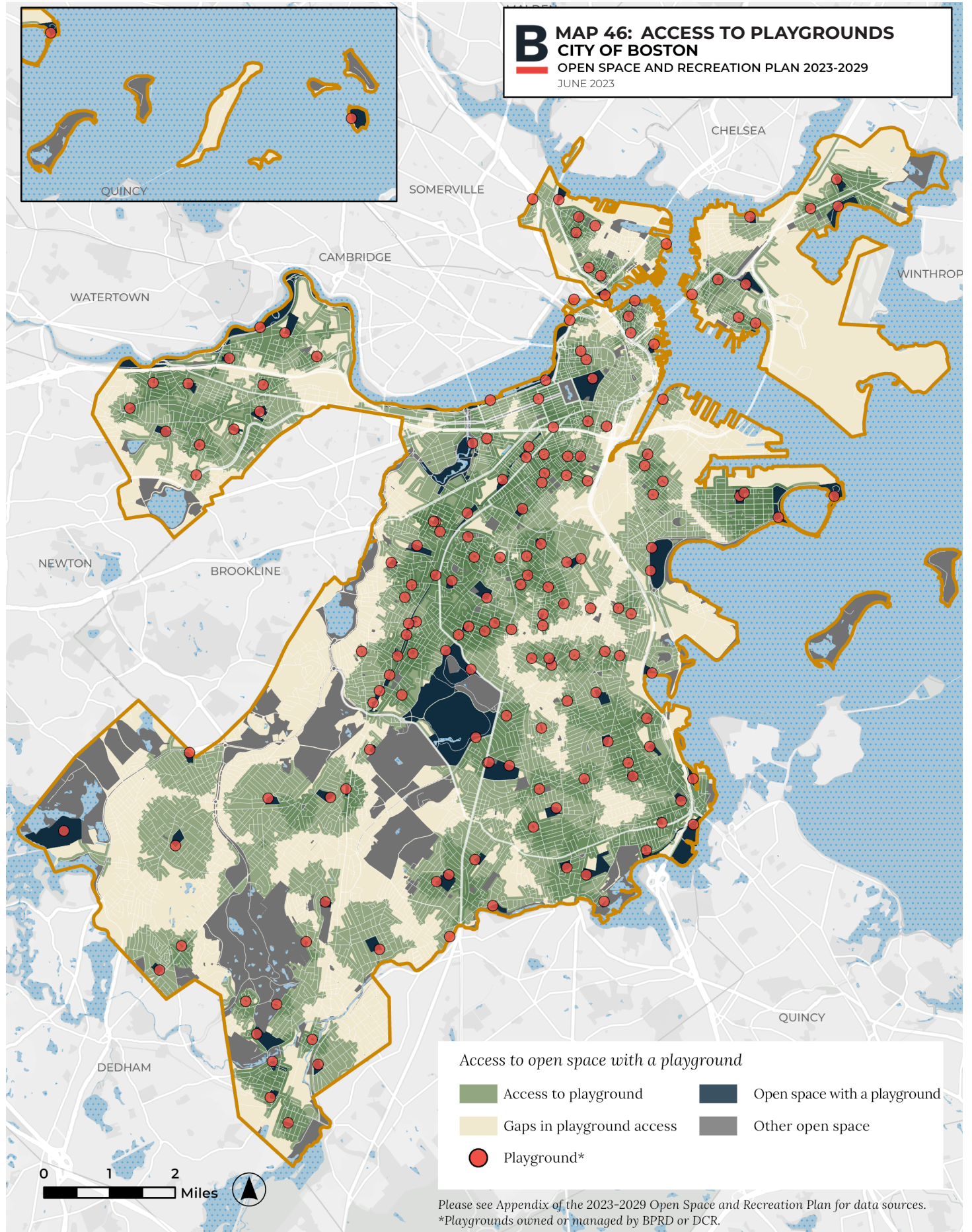


B MAP 43: PLAYGROUNDS
CITY OF BOSTON
OPEN SPACE AND RECREATION PLAN 2023-2029
JUNE 2023



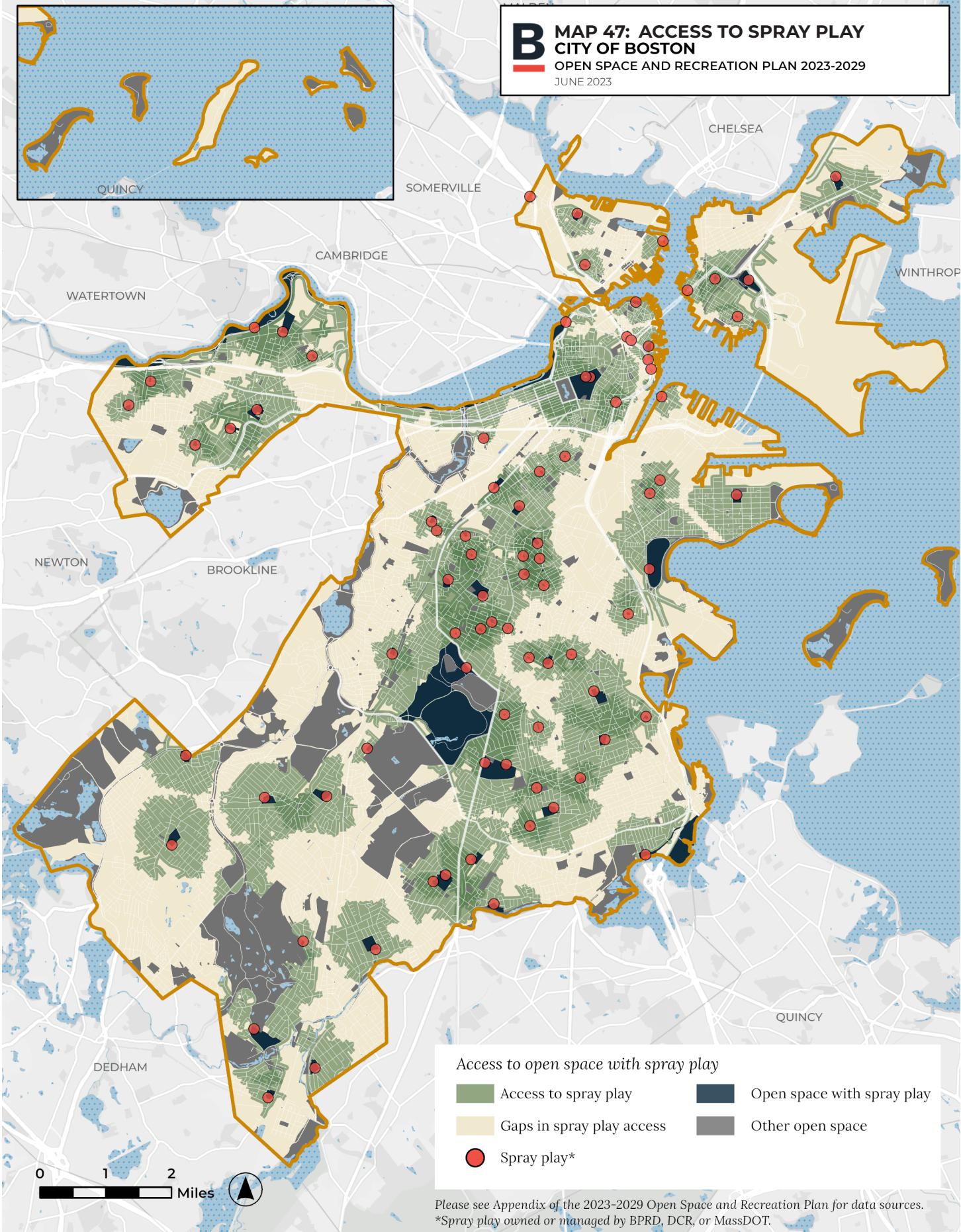






Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.
 *Playgrounds owned or managed by BPRD or DCR.

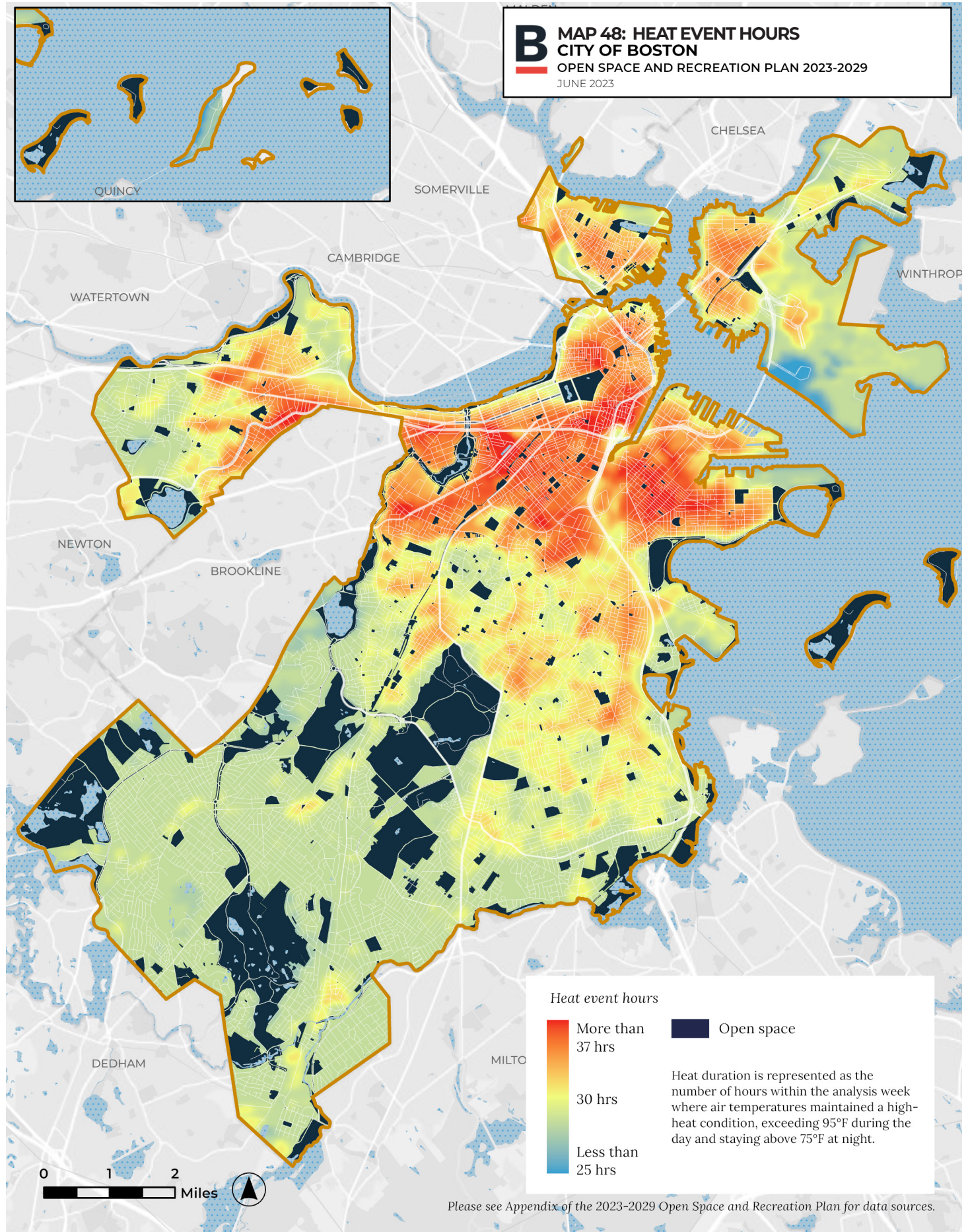
B MAP 47: ACCESS TO SPRAY PLAY
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



Access to open space with spray play

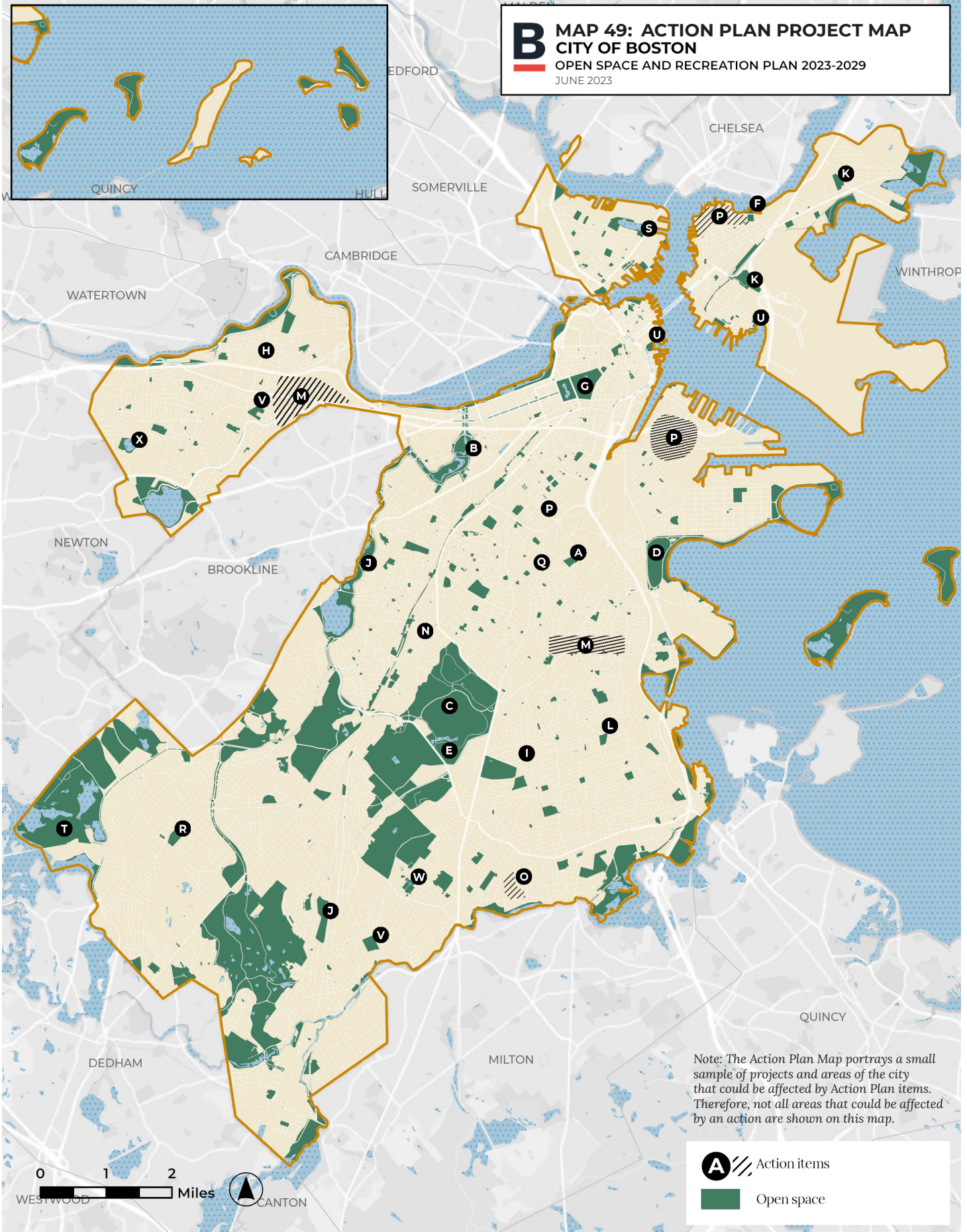
 Access to spray play	 Open space with spray play
 Gaps in spray play access	 Other open space
 Spray play*	

Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.
 *Spray play owned or managed by BPRD, DCR, or MassDOT.



Please see Appendix of the 2023-2029 Open Space and Recreation Plan for data sources.

B MAP 49: ACTION PLAN PROJECT MAP
 CITY OF BOSTON
 OPEN SPACE AND RECREATION PLAN 2023-2029
 JUNE 2023



Note: The Action Plan Map portrays a small sample of projects and areas of the city that could be affected by Action Plan items. Therefore, not all areas that could be affected by an action are shown on this map.

A / / Action items
 ■ Open space

APPENDIX C:

MAP DATA SOURCES

Most maps depict open space in and around Boston. For open space within Boston, maps are referencing the Boston Parks and Recreation Department's record of open space. For open space in surrounding towns, maps are referencing the State Department of Conservation and Recreation record of open space (filtered to show protected open space).

City of Boston. "Open Space." Analyze Boston. Boston, MA: City of Boston, 01 November 2022. www.data.boston.gov/dataset/open-space.

- File name: Open_Space.shp

Commonwealth of Massachusetts, MassGIS. "Protected and Recreational OpenSpace" (April 2023). MassGIS, 01 April 2023.

- File name: OPENSOURCE_POLY.shp

MAP 1: REGIONAL CONTEXT

MAPC inner core communities map derived from information on www.mapc.org/get-involved/subregions/icc/.

City of Boston. "Open Space Planning Neighborhoods." (24 February 2023). City of Boston, 01 November 2022. www.gis.boston.gov/arcgis/rest/services/EnvironmentEnergy/OpenData/MapServer/8.

MAP 2: WATERSHEDS AND WETLANDS

Map of major watersheds, water bodies, and wetlands in the Boston area.

Commonwealth of Massachusetts, MassGIS. "Major Watersheds." (June 2000). MassGIS, 01 November 2022. www.mass.gov/info-details/massgis-data-major-watersheds.

- File name: watshdp1.shp

Commonwealth of Massachusetts, MassGIS. "MassDEP Wetlands (2005)." (December 2017). MassGIS, 01 November 2022. www.mass.gov/info-details/massgis-data-massdep-wetlands-2005.

- File name: WETLANDSDEP_POLY.shp

MAP 3: ENVIRONMENTAL JUSTICE POPULATIONS

U.S. Census block groups that represent areas with high minority ($\geq 25\%$ of block group total population), non-English speaking ($\geq 25\%$ of block group total households have no member over age 14 who speak English very well), and/or low-income populations (block groups where median household income was $\leq \$40,673$ [65.49% of the 2010 Massachusetts median household income]). Data in this map was compiled from the American Community Survey (ACS) 2006-2010 5-year estimates tables by MassGIS (2012). Shading variation shows number of EJ population criteria met by a particular block group. Letters shown within block groups indicate which criteria that block group meets; M = Minority criterion; I = Income criterion; E = English Linguistic Isolation.

Commonwealth of Massachusetts, MassGIS. "2020 Environmental Justice Populations." (November 2022). MassGIS, 01 November 2022. www.mass.gov/info-details/massgis-data-2020-environmental-justice-populations.

- File name: EJ_POLY.shp

MAP 4: ENVIRONMENTAL JUSTICE POPULATIONS (AGGREGATED)

2020 Environmental Justice Populations data layer described for Map 3 re-symbolized to describe the data in terms of meeting 1, 2, 3, or no criteria.

MAPS 5 + 15: ZONING OF OPEN SPACE

Map illustrating open space and their assigned zoning subdistrict. In addition to the data layer available for download on Analyze Boston, there is an interactive online Zoning Viewer app at: bostonplans.org/zoningviewer/. Each property in the Zoning Viewer includes links describing what the specific subdistricts mean and what regulations they put in place.

City of Boston. "Boston Zoning Subdistricts." Analyze Boston. Web. 01 November 2022. www.data.boston.gov/dataset/boston-zoning-subdistricts

- File name: Boston_Zoning_Subdistricts

MAP 6: SURFICIAL GEOLOGY AND SOILS

From the Maine Geological Survey: “A surficial geology map shows the areal distribution of all the loose materials such as till (commonly called hardpan), sand and gravel, or clay, which overlie solid ledge (bedrock). Most of the surficial materials are deposits formed by glacial and deglacial processes during the last stage of continental glaciation, which began about 35,000 years ago. The remainder of the surficial deposits are the products of postglacial geologic processes, such as river flood plains, or are attributed to human activity, such as road fill or other land-modifying features.”

Data on surficial geology and soils in the Boston area should be evaluated with the understanding that there is heavy and ongoing modification of the urban landscape not necessarily reflected in older or coarse-grained datasets.

Commonwealth of Massachusetts, MassGIS. “1:24,000 Surficial Geology.” MassGIS Data, July 2022. www.mass.gov/info-details/massgis-data-usgs-124000-surficial-geology.

- File name: SURFGEO24K_OVERLAY_POLY.shp

Radway Stone et al. “Surficial Materials of Massachusetts- A 1:24,000-Scale Geologic Map Database.” United States Geological Survey, March 2019. <https://doi.org/10.3133/sim3402>

- File name: SIM3402.gdb
- MapUnitOverlayPolys

Commonwealth of Massachusetts, MassGIS. “Lidar DEM and Shaded Relief.” (January 2022). MassGIS Data. 14 January 2022. www.mass.gov/info-details/massgis-data-lidar-dem-and-shaded-relief

- File name: Lidar_Shaded_Relief.lyr

MAP 7: BEDROCK GEOLOGY

Detailed citywide geospatial data on Boston’s bedrock landscape is limited given the dense buildout of the land. As such, the data in this map should be interpreted with scale in mind.

Horton, J.D. “The State Geologic Map Compilation (SGMC) geodatabase of the conterminous United States.” (ver. 1.1, August 2017). U.S. Geological Survey data release, doi.org/10.5066/F7WH2N65.

- File names:
 - SGMC_Geology
 - SGMC_Structure

MAP 8: FEMA FLOOD ZONES

As of publication, 2016/2017 FEMA maps are the most recently approved and published maps.

United States, Federal Emergency Management Agency (FEMA). “National Flood Hazard Layer.” (July 2017). FEMA, 01 November 2022. www.mass.gov/info-details/massgis-data-fema-national-flood-hazard-layer

- File name: FEMA_NFHL_POLY.shp

MAP 9: BOSTON LANDMARKS COMMISSION

There are many historic and culturally significant sites throughout Boston. This map is intended to provide a broad overview of those sites. In addition to the data captured in the Boston Landmarks Commission data layers, the State Massachusetts Historic Inventory also has a geospatial file though the points are too numerous to map at this scale. We recognize that there may be sites of importance not captured in either set of records but that are known and recognized by residents as important.

Included in this map are: landmarks; boundaries of locally designated historic districts in Boston that require design review for exterior alterations to buildings; and landmark objects (side-walk clocks, markers, etc.) which are more accurately represented by points than polygons, not attached to any particular parcel.

City of Boston. "Boston Landmarks Commission (BLC) Historic Districts." Analyze Boston. 23 February 2023. www.data.boston.gov/dataset/boston-landmarks-commission-blc-historic-districts

- File name: Boston_Landmarks_Commission_(BLC)_Historic_Districts.shp

City of Boston. "Boston Landmarks Commission (BLC) Landmarks." Analyze Boston. 23 February 2023. www.data.boston.gov/dataset/boston-landmarks-commission-blc-landmarks

- File name: Boston_Landmarks_Commission_(BLC)_Landmarks.shp

City of Boston. "BLC landmark objects working." 16 November 2022. www.boston.maps.arcgis.com/home/item.html?id=3a203e675a6747e6a5b310ca475d1ea8

- File name: BLC_landmark_objects_working.shp

MAP 10: CRITICAL ENVIRONMENTAL AREAS

This map illustrates critical environmental areas as described by the following two data sources.

From the State of Massachusetts website:

- BioMap: "MassWildlife and The Nature Conservancy released the newly-updated BioMap tool in November 2022...delivers the latest scientific data and resources to help state and local governments, land trusts, non-government organizations, and other conservation partners strategically plan projects to conserve wildlife and their habitats." To learn more, visit the BioMap program overview: www.mass.gov/service-details/biomap-the-future-of-conservation-in-massachusetts
- ACEC: "Areas of Critical Environmental Concern (ACECs) are places in Massachusetts that receive special recognition because of the quality, uniqueness and significance of their natural and cultural resources. These areas are identified and nominated at the community level and are reviewed and designated by the state's Secretary of Energy and Environmental Affairs." To learn more, visit the ACEC program overview: www.mass.gov/service-details/acec-program-overview

Commonwealth of Massachusetts, MassGIS. "Areas of Critical Environmental Concern." (April 2009). MassGIS Data, 01 November 2022. www.mass.gov/info-details/massgis-data-areas-of-critical-environmental-concern.

- File name: Aces_poly

Commonwealth of Massachusetts, MassGIS. "BioMap: The Future of Conservation." (November 2022). MassGIS Data, 01 November 2022. www.mass.gov/info-details/massgis-data-biomap-the-future-of-conservation.

- File names:
 - BM3_CORE_HABITAT
 - BM3_CRITICAL_NATURAL_LANDSCAPE

MAP 11: SEA LEVEL RISE

Coastal flood hazard data created as part of Climate Ready Boston are a reanalysis of the coastal flood hazard data developed as part of the MassDOT-FHWA analysis. In 2015, MassDOT released an analysis of coastal flood hazards using state-of-the-art numerical models capable of simulating thousands of potential nor'easters and tropical storms coincident with a range of tide levels, riverine flow rates in the Charles and Mystic Rivers, and sea level rise conditions.

By 2070, we anticipate approximately 40 inches of sea-level rise across the city, which includes 36 inches of sea-level rise and 4 inches of land subsidence, which is the gradual sinking of land.

City of Boston. "Sea Level Rise Inundation." (2020 July 08). Analyze Boston, 01 November 2022. www.data.boston.gov/dataset/climate-ready-boston-sea-level-rise-inundation.

- File name: 36inch Sea Level Rise 1pct Annual Flood.shp

MAP 12: OPEN SPACE OWNERSHIP

Displays open spaces by general classes of ownership. For example, a Boston Office of Housing open space is classed as owned by the City of Boston, as are open spaces under the jurisdiction of the Parks and Recreation Department, the Boston Conservation Commission, the Boston Planning and Development Agency Authority, and so on, except where noted in the map legend.

MAP 13: OPEN SPACE PROTECTION

Displays permanent protection status of open space regardless of ownership, where POS = X in the attribute table.

MAP 14: OPEN SPACE TYPES

Displays open spaces regardless of ownership by land use-oriented types, using the TYPE_LONG field in the attribute table.

MAP 15: ZONING OF OPEN SPACE

Repeat of Map 5. See Map 5 for description.

MAPS 16-20: LANDS OF INTEREST SERIES

Please see Section 6 for definitions used in this map series.

MAP 21: BOSTON ZIP CODES

Map displaying Boston's zip code boundaries.

City of Boston. "Zip Codes." Analyze Boston. (24 February 2023). Boston, MA: City of Boston, 01 November 2022. www.data.boston.gov/dataset/zip-codes.

- File name: ZIP_CODES/2023-02-24.shp

MAPS 22+23:PPP SURVEY RESPONSES

Data comes from Parcel Priority Plan survey responses between January and November of 2022. Maps include locations identified by survey respondents as important areas for consideration as well as the distribution of respondents by zip code.

City of Boston, Parks and Recreation Department (BPRD). "Planning for Future Parks." BPRD, 2020 November 30. www.boston.gov/departments/parks-and-recreation/planning-for-future-parks.

- File name: 20_11_30_PPP_SUMMARY OF ROUND 1. PDF file.

MAP 24: OSRP SURVEY (RESPONSE RATES)

Data layer developed by the Boston Parks and Recreation Department from survey responses.

MAPS 25-29: PARCEL PRIORITY PLAN MODELING SERIES

Layers were generated by a geospatial model that ingested numerous datasets. A link to the model metadata can be found at the link below.

City of Boston, Parks and Recreation Department (BPRD). "Planning for Future Parks." BPRD, 2020 November 30. www.boston.gov/departments/parks-and-recreation/planning-for-future-parks.

Generated by the Boston Parks and Recreation Department. Geospatial layer unpublished at the time of this writing.

MAP 30: URBAN WILDS

Urban wilds: conservation land that is permanently protected and owned/managed by Parks and BCC for conservation and some passive recreation. These properties typically contain discernable remnant fragments of once larger natural systems (marshes, beaches, ponds, riparian areas, etc.) or have unique indigenous geology. Urban wilds are not highly designed or intensively managed like traditional parks. However, considerable work can go into restoring urban wilds that have been degraded over time. Urban wilds are generally open for public access. In some cases, however, these properties may have partially restricted access due to very sensitive environmental conditions. Please note a very small exception to this category: private land subject to a conservation restriction which does not allow for public access and is not managed by the City is not considered an urban wild. However, this type of land is still important as conservation land in perpetuity.

The Urban Wilds moniker came out of a 1976 Boston Planning and Development Agency's plan which outlined lands of conservation and scenic interest. With some notable exceptions, most of these identified properties did possess some ecological significance. Although many of the properties were developed, the plan was a catalyst for very significant land acquisitions in the 1980s, and for the subsequent rezoning of these properties.

Open space designated as an urban wild (TYPE_LONG = Urban Wilds in attribute table)

MAPS 31+32: CANOPY COVERAGE SERIES

Data is from the 2015-2019 Canopy Change Assessment is derived from canopy data captured in 2014 and again in 2019. Geographies. Visit Analyze Boston for detailed metadata and a brief guide on interpreting the information.

City of Boston. "Canopy Change Assessment: 2019 Tree Canopy Polygons." (12 May 2021). Analyze Boston, 01 November 2022. www.data.boston.gov/dataset/canopy-change-assessment-2019-tree-canopy-polygons.

- File name: Canopy_Change_Assessment%3A_2019_Tree_Canopy_Polygons.shp

City of Boston. "HEX % Tree Canopy Metrics." (2021 May 14). Analyze Boston, 01 November 2022. www.data.boston.gov/dataset/hex-tree-canopy-metrics.

- File name: Canopy_Change_Assessment%3A_Tree_Canopy_Metrics.shp

MAP 33: CANOPY PRIORITY ZONES

Priority Zones were created as part of the 2022 Urban Forest Plan by the City of Boston. Priority Zones are a way to focus efforts, but should not prevent action in areas not highlighted in this map. Many priority populations, for example, live in areas with relatively high overall canopy, but in which canopy cover is declining.

These are zones defined by overlaying tree canopy levels, areas of extreme heat, environmental justice census blocks, and previously redlined districts. These factors were chosen based on feedback from the Community Advisory Board and community open house, as well as input on plan goals and strategies. Priority Zones are determined by three or more overlapping prioritization indicators, which include:

- Environmental Justice Census Blocks
- Low canopy (less than 10% canopy coverage)
- Heat Event Hours (top two quintiles)

- *Historically Marginalized Areas (defined by C and D HOLC classifications)*

City of Boston. “2022 Urban Forest Plan Priority Zones.” BPRD (17 March 2023) . www.boston.maps.arcgis.com/home/item.html?id=edf41bde7bda4506b3e4e2ebfef8e0a3. Accessed 17 March 2023.

- File name: 2022_Urban_Forest_Plan_Priority_Zones.shp

City of Boston, Parks and Recreation Department (BPRD). “Urban Forest Plan: Neighborhood Strategies”. BPRD, September 2022 www.boston.gov/sites/default/files/file/2022/09/NeighborhoodStrategies_2022.pdf. PDF file.

MAP 34: WALKSHED SERVICE AREAS

Displays the service areas of parks denoted in the legend “Publicly Accessible Open Space.” Areas served by one or more such parks are denoted by a shade of green shown in the legend. The size of the service area based on the size of the park or open space, as described in the introduction to Section 7.2, Community Open Space and Recreation. The distance is developed using a “network” mapping program that imitates pedestrian movements, rather than the simple linear (“as the crow flies”) distances around each property that ignores obstacles such as railroad corridors, interstate highways, non-gridded street networks, etc. that pose barriers to pedestrian movement.

Generated by the Boston Parks and Recreation Department. Geospatial layer unpublished at the time of this writing.

MAP 35: GAPS IN SERVICE AREAS

The inverse of the Walkshed Service Areas map - all the areas not captured by a walkshed.

Generated by the Boston Parks and Recreation Department. Geospatial layer unpublished at the time of this writing.

MAPS 36+38: POPULATION DENSITY

Persons per acre within specified geography, based on the 2016–2020 American Community Survey 5-Year Estimates. Population count calculated with assistance from the Research Division of the Boston Planning and Development Agency.

2016–2020 American Community Survey 5-Year Estimates, United States Census Bureau.

MAP 37+39: ACRES OPEN SPACE PER 1,000 PEOPLE

Acres protected open space per 1,000 people within specified geography, based on the 2016–2020 American Community Survey 5-Year Estimates. Population count calculated with assistance from the Research Division of the Boston Planning and Development Agency.

2016–2020 American Community Survey 5-Year Estimates, United States Census Bureau.

MAP 40: SPORTS FIELDS

Serves as a general overview of BPRD and DCR sports fields across Boston. Examples of diamond sports fields are: softball, baseball, and little league. Examples of rectangular sports fields are: lacrosse, football, and soccer. This map identifies where those field shapes are but does not display the specific sports those fields can support.

Locations of DCR sports fields were identified in part using DCR records. This layer is not an official record of DCR sports fields. Geospatial layer unpublished at the time of this writing.

BPRD sports fields generated by the Boston Parks and Recreation Department. Geospatial layer unpublished at the time of this writing.

MAP 41: TENNIS AND PICKLEBALL COURTS

Location of tennis and pickleball courts in Boston's park system. Joint use courts are courts designed to support two uses.

City of Boston. "Boston Park Assets." (2021 November 30). Analyze Boston, 01 November 2022. www.data.boston.gov/dataset/boston-park-assets.

- File name: tmphcawy614.csv

Commonwealth of Massachusetts, Department of Conservation and Recreation (DCR). "DCR Hard Courts." (05 January 2023). DCR, 10 January 2023. services1.arcgis.com/7iJyYTjCtKsZS1LR/arcgis/rest/services/DCR_Hard_Courts_1/FeatureServer

- File name: DCR_IndivCourt_DataB.shp

Locations of DCR pickleball courts were identified by Boston Parks and Recreation Department and are not an official record of DCR pickleball courts. Geospatial layer unpublished at the time of this writing.

MAP 42: BASKETBALL COURTS

Location of basketball courts in Boston's park system.

City of Boston. "Boston Park Assets." (2021 November 30). Analyze Boston, 01 November 2022. www.data.boston.gov/dataset/boston-park-assets.

- File name: tmphcawy614.csv

Commonwealth of Massachusetts, Department of Conservation and Recreation (DCR). "DCR Hard Courts." (05 January 2023). DCR, 10 January 2023. www.services1.arcgis.com/7iJyYTjCtKsZS1LR/arcgis/rest/services/DCR_Hard_Courts_1/FeatureServer.

- File name: DCR_IndivCourt_DataB.shp

MAP 43: PLAYGROUNDS

Location of playgrounds in Boston's park system.

City of Boston. "Boston Park Assets." (2021 November 30). Analyze Boston, 01 November 2022. data.boston.gov/dataset/boston-park-assets.

- File name: tmphcawy614.csv

Commonwealth of Massachusetts, Department of Conservation and Recreation (DCR). "DCR Playgrounds." (12 August 2020). DCR, 01 November 2022. services1.arcgis.com/7iJyYTjCtKsZS1LR/arcgis/rest/services/DCR_Playgrounds_1/FeatureServer

- File name: DataA_Playground.shp

MAP 44: SPRAY PLAY

Location of spray play in Boston's park system.

City of Boston. "Boston Park Assets." (2021 November 30). Analyze Boston, 01 November 2022. data.boston.gov/dataset/boston-park-assets.

- File name: tmphcawy614.csv

DCR and MassDOT spray play locations were identified by the Boston Parks and Recreation Department and are not an official record of DCR and MassDOT spray play features. Geospatial layer unpublished at the time of this writing.

MAP 45: DOG PARKS

Locations of dog parks within Boston.

City of Boston. "Boston Park Assets." (2021 November 30). Analyze Boston, 01 November 2022. data.boston.gov/dataset/boston-park-assets.

- File name: tmphcawy614.csv

Locations of dog parks owned by other entities were identified by Boston Parks and Recreation Department and are not an official record maintained by those entities. Geospatial layer unpublished at the time of this writing.

MAP 46: ACCESS TO PLAYGROUNDS

Derived by Boston Parks and Recreation Department from Walkshed Service Area map and Boston Park Assets data layers.

MAP 47: ACCESS TO SPRAY PLAY

Derived by Boston Parks and Recreation Department from Walkshed Service Area map and Boston Park Assets data layers.

MAP 48: HEAT EVENT HOURS

Derived from the Heat Resilience Solutions for Boston plan.

City of Boston, Environment Department.
“Heat Resilience Solutions for Boston.”
Environment Department, April 2022. www.boston.gov/sites/default/files/file/2022/04/04212022_Boston%20Heat%20Resilience%20Plan_highres-with%20Appendix%20%281%29.pdf. PDF file.

MAP 49: ACTION PLAN PROJECT MAP

For illustration purposes only. The Action Plan Map portrays a small sample of projects and areas of the city that could be affected by Action Plan items. Therefore, not all areas that could be affected by an action are shown on this map.