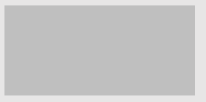
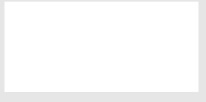


Strategy is effective in reducing impacts from a 1 % chance storm event **OR**
 Strategy is effective in reducing impacts from tidal inundation



Strategy may be effective for some storm protection



Strategy is no longer effective for reducing impacts from storm or tidal inundation





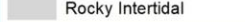



Strategy could be effective at an earlier time frame but is not necessary



Management Area Woods Hole Park Mill Pond

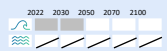
DEP Wetlands

 Coastal Beach or Dune	 Management Area
 Open Water	 Parcel Boundaries
 Rocky Intertidal	 Coastal Infrastructure

Maintain Character

Deployable Barriers


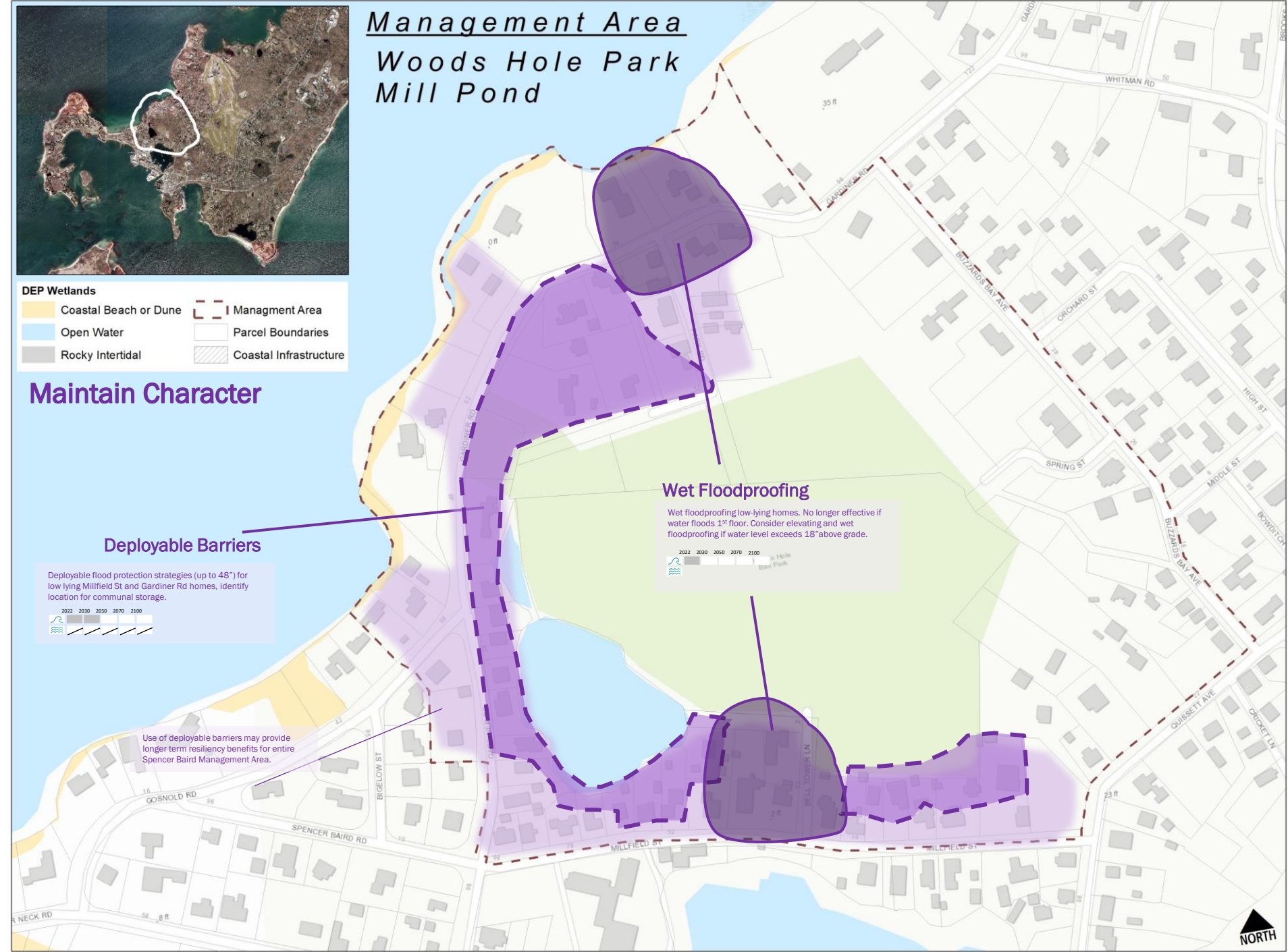
Deployable flood protection strategies (up to 48") for low lying Millfield St and Gardiner Rd homes, identify location for communal storage.



Use of deployable barriers may provide longer term resiliency benefits for entire Spencer Baird Management Area.

Wet Floodproofing

Wet floodproofing low-lying homes. No longer effective if water floods 1st floor. Consider elevating and wet floodproofing if water level exceeds 18" above grade.



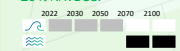
Management Area Woods Hole Park Mill Pond

- DEP Wetlands
- Coastal Beach or Dune
 - Open Water
 - Rocky Intertidal
 - Management Area
 - Parcel Boundaries
 - Coastal Infrastructure

Nature-based Solutions

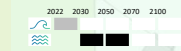
Dune Construction at Wall

Construct dune as part of a seawall modification at Gardiner Road. Tie into high ground to the north at 10 ft NAVD88.



Restore Connection

Improve tidal connection between Eel Pond and Mill Pond for future salt marsh migration and drainage. May not be effective for large storms or sea level rise.





Management Area Woods Hole Park Mill Pond

- DEP Wetlands**
- Coastal Beach or Dune
 - Open Water
 - Rocky Intertidal
- Management Area**
- Parcel Boundaries
 - Coastal Infrastructure

Protect/Connect

Raise Seawall with Drainage

Raise seawall at Gardiner road, install drainage outlet for wetland. Tie into high ground to the north at 10 ft NAVD88. Drainage does not add storm protection but may reduce residence time if wall is overtopped.

Dry floodproof and/or elevate Park Road Sewer Lift Station

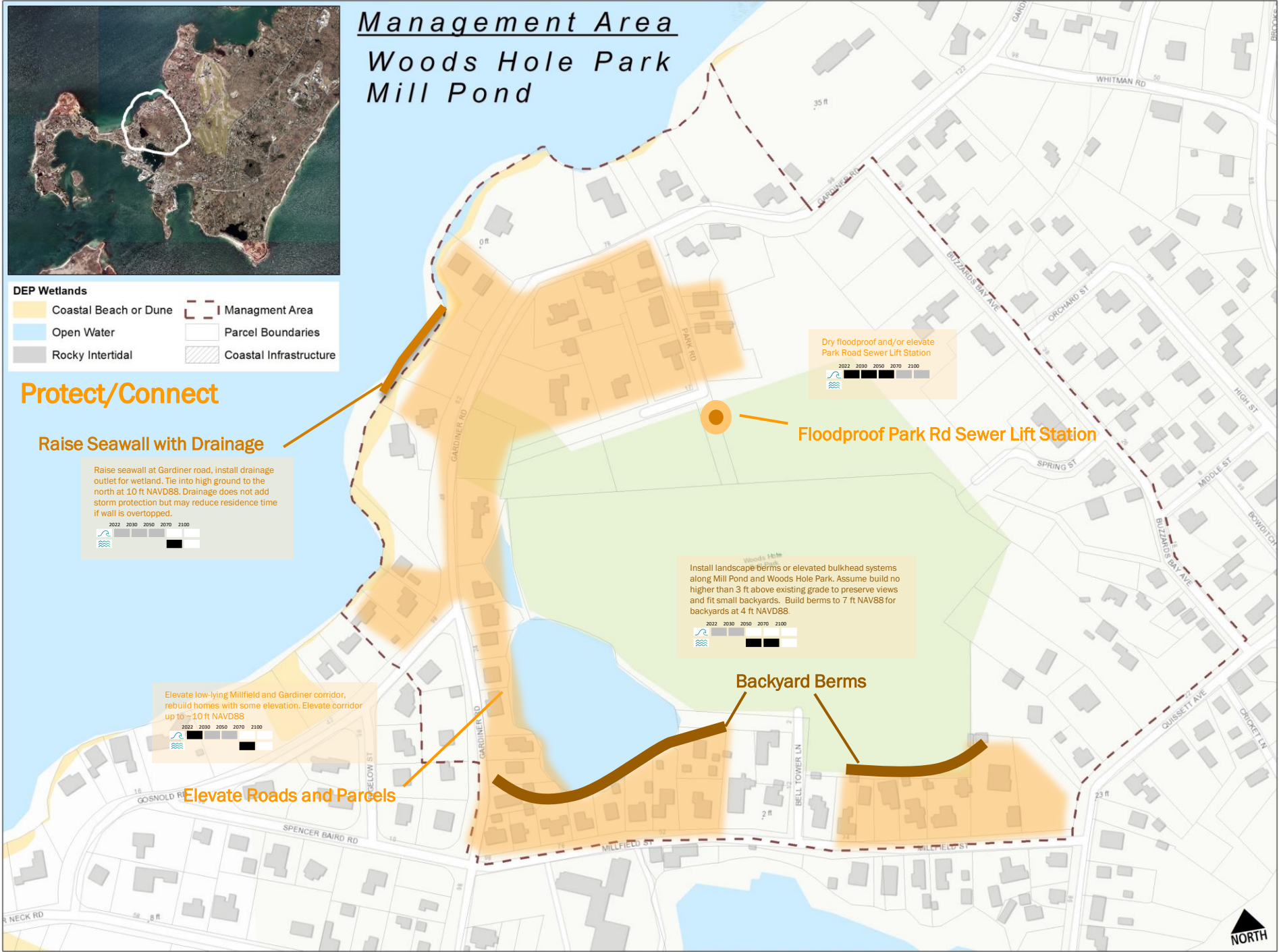
Floodproof Park Rd Sewer Lift Station

Install landscape berms or elevated bulkhead systems along Mill Pond and Woods Hole Park. Assume build no higher than 3 ft above existing grade to preserve views and fit small backyards. Build berms to 7 ft NAV88 for backyards at 4 ft NAVD88.

Backyard Berms

Elevate low-lying Millfield and Gardiner corridor, rebuild homes with some elevation. Elevate corridor up to ~10 ft NAVD88

Elevate Roads and Parcels





Management Area Woods Hole Park Mill Pond

- DEP Wetlands**
- Coastal Beach or Dune
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 - Rocky Intertidal
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 - Parcel Boundaries
 - Coastal Infrastructure

Adaptive Realignment

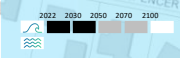
Drainage for Gardiner Seawall

Modify seawall at Gardiner Road to enhance post-storm drainage. Does not add storm protection but reduces residence time if seawall is overtopped. Current wall ~6.5 ft NAVDSS.



Elevate Structures

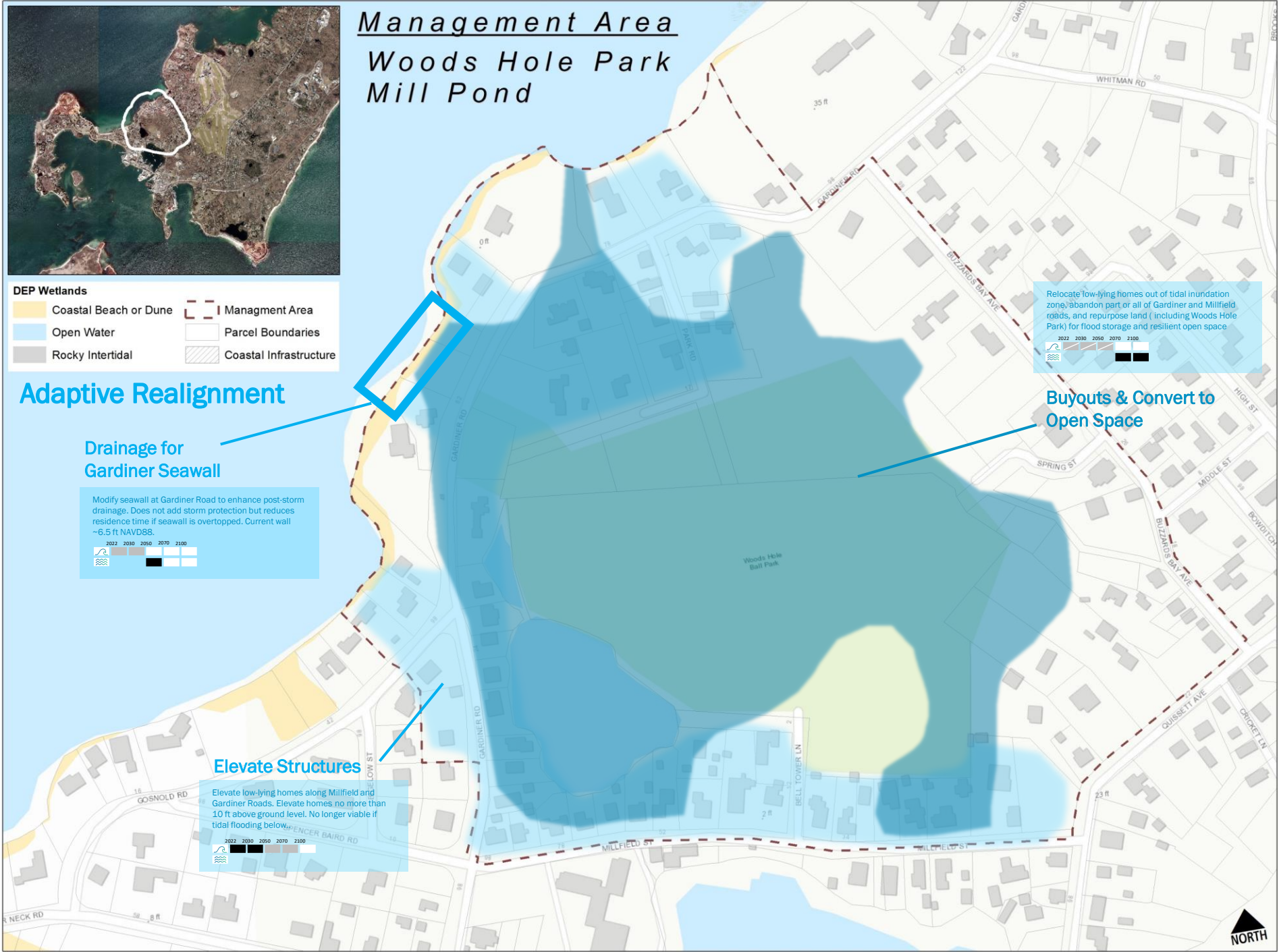
Elevate low-lying homes along Millfield and Gardiner Roads. Elevate homes no more than 10 ft above ground level. No longer viable if tidal flooding below.



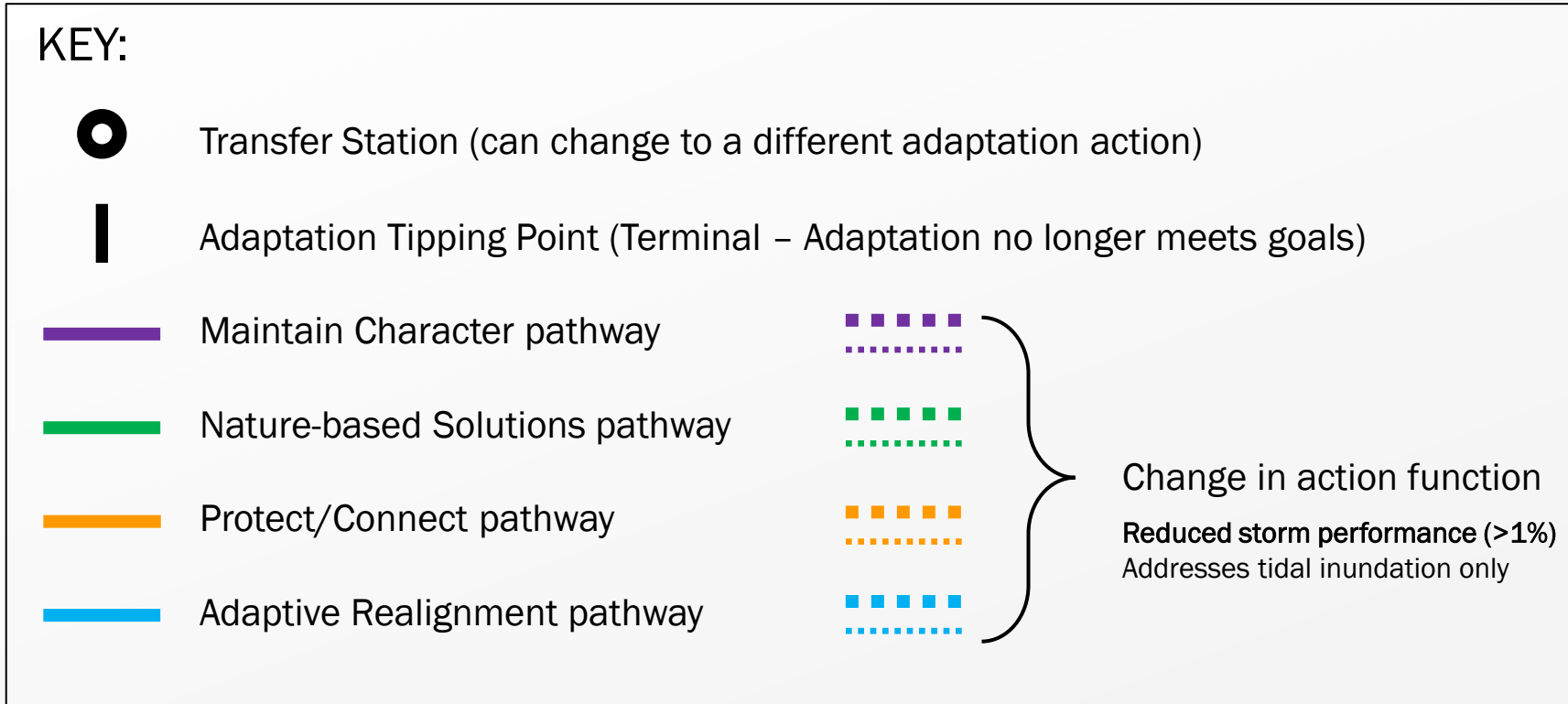
Relocate low-lying homes out of tidal inundation zone, abandon part or all of Gardiner and Millfield roads, and repurpose land (including Woods Hole Park) for flood storage and resilient open space



Buyouts & Convert to Open Space



Dynamic Adaptation Pathways for Woods Hole



Mill Pond Area

