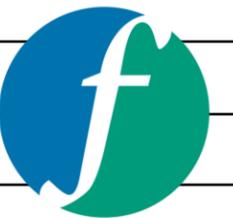


RESILIENT MEADOW STREET

PROJECT UPDATE



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Project goal is to reduce flood risk in Meadow Street neighborhood above Amtrak embankment

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FEMA flood mapping shows substantial flood risk to neighborhood

Does not include future sea level rise, flood risk will worsen

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Existing physical conditions are a challenge

“Cattle Crossing” is primary flood pathway

Meadow Street low point is at elevation 2.62’

Mean Higher High Water at elevation 2.97’

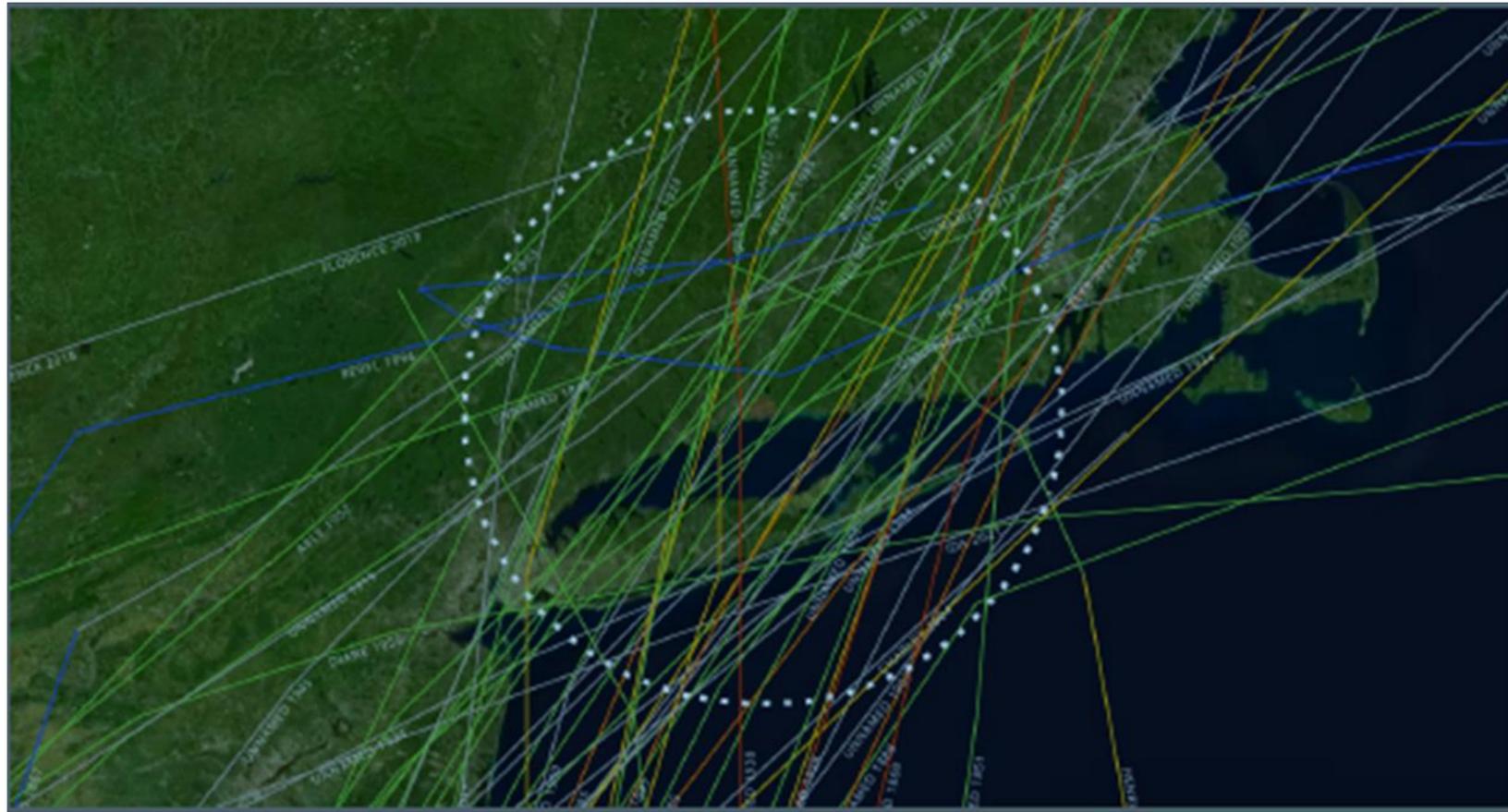
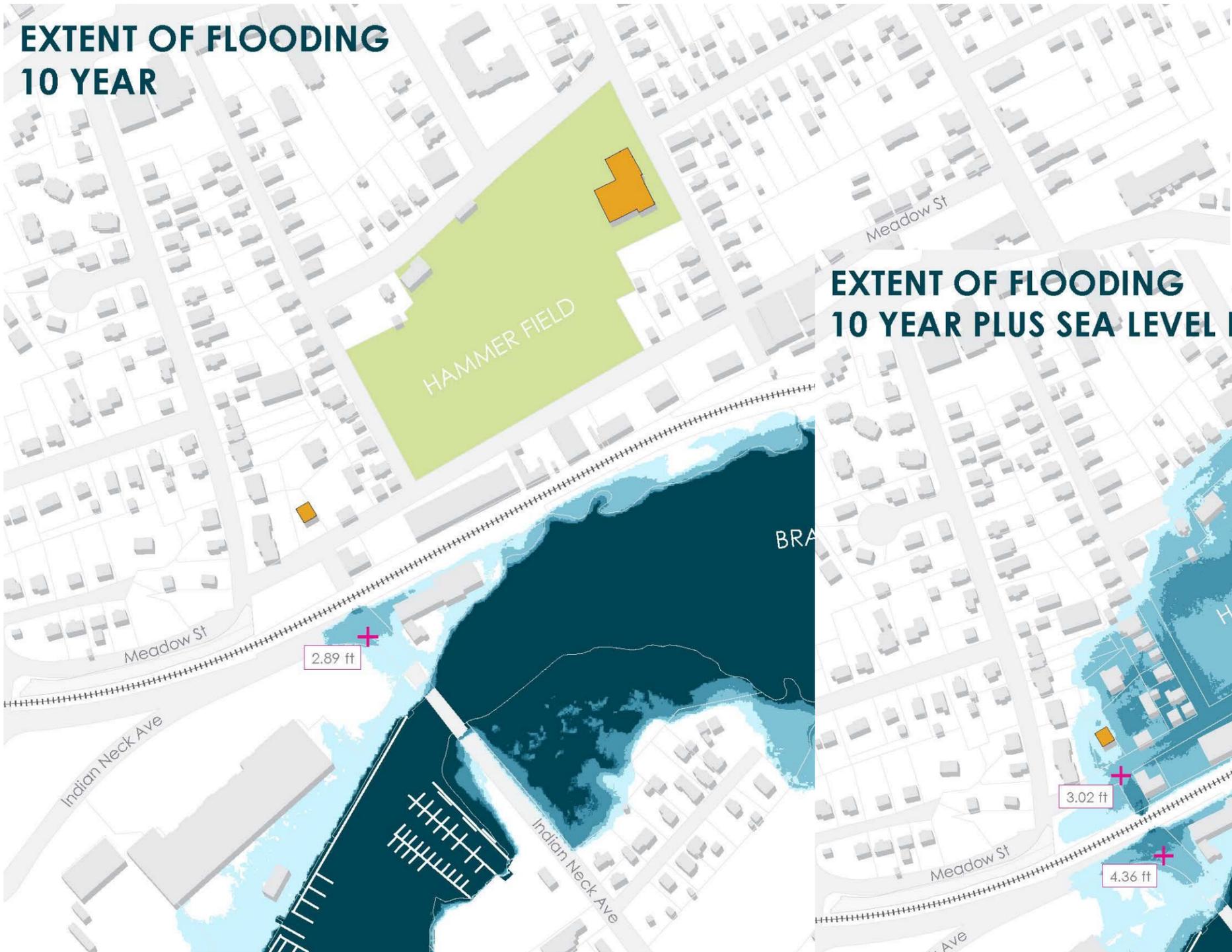


Figure 5: NOAA Storm Tracks for historical tropical storms and hurricanes within 60 miles of Branford.

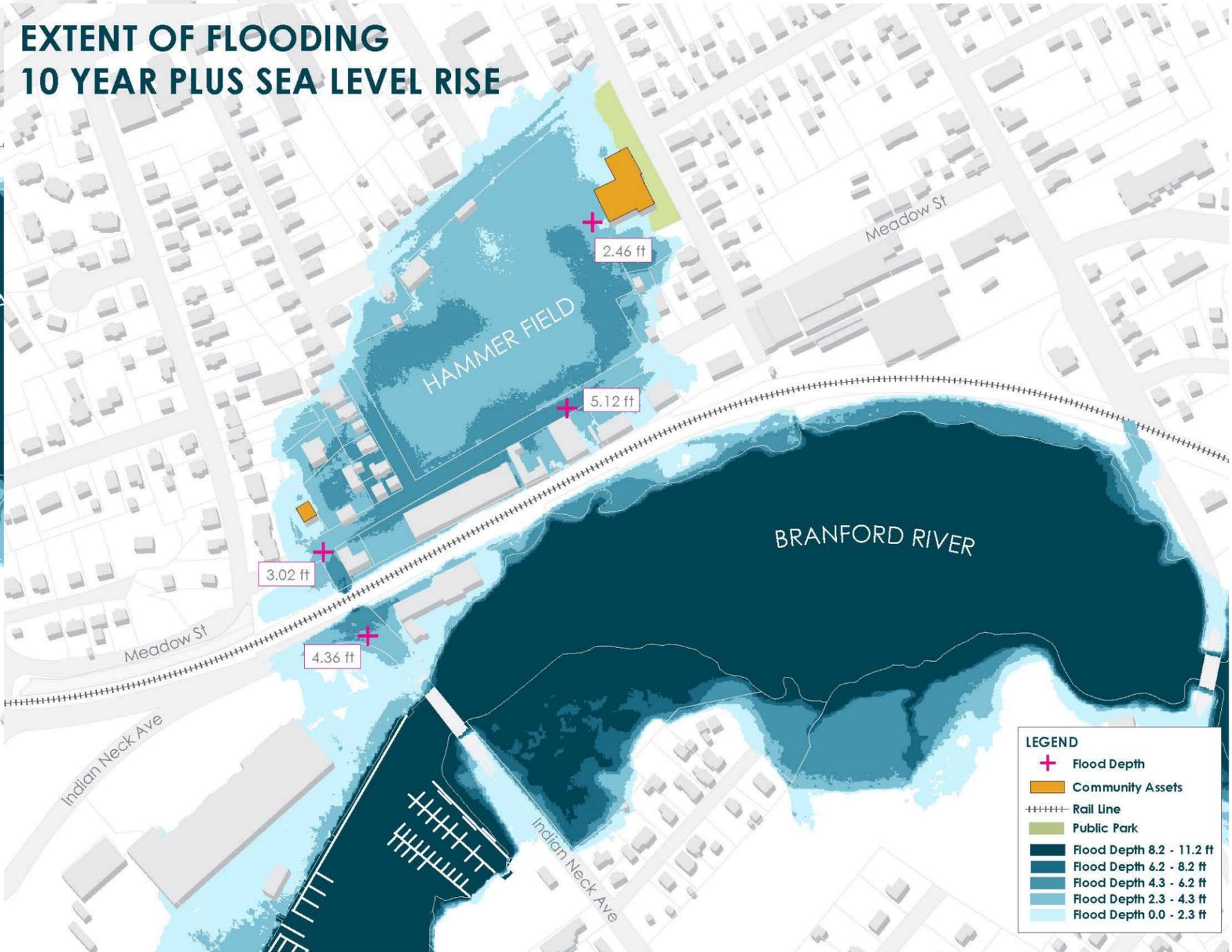
UConn Connecticut Institute for Resilience & Climate Adaptation modeled current and future flooding

Future modeled conditions include 20- inches sea level rise by 2050

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EXTENT OF FLOODING 10 YEAR PLUS SEA LEVEL RISE



LEGEND

- + Flood Depth
- Community Assets
- +++++ Rail Line
- Public Park
- Flood Depth 8.2 - 11.2 ft
- Flood Depth 6.2 - 8.2 ft
- Flood Depth 4.3 - 6.2 ft
- Flood Depth 2.3 - 4.3 ft
- Flood Depth 0.0 - 2.3 ft

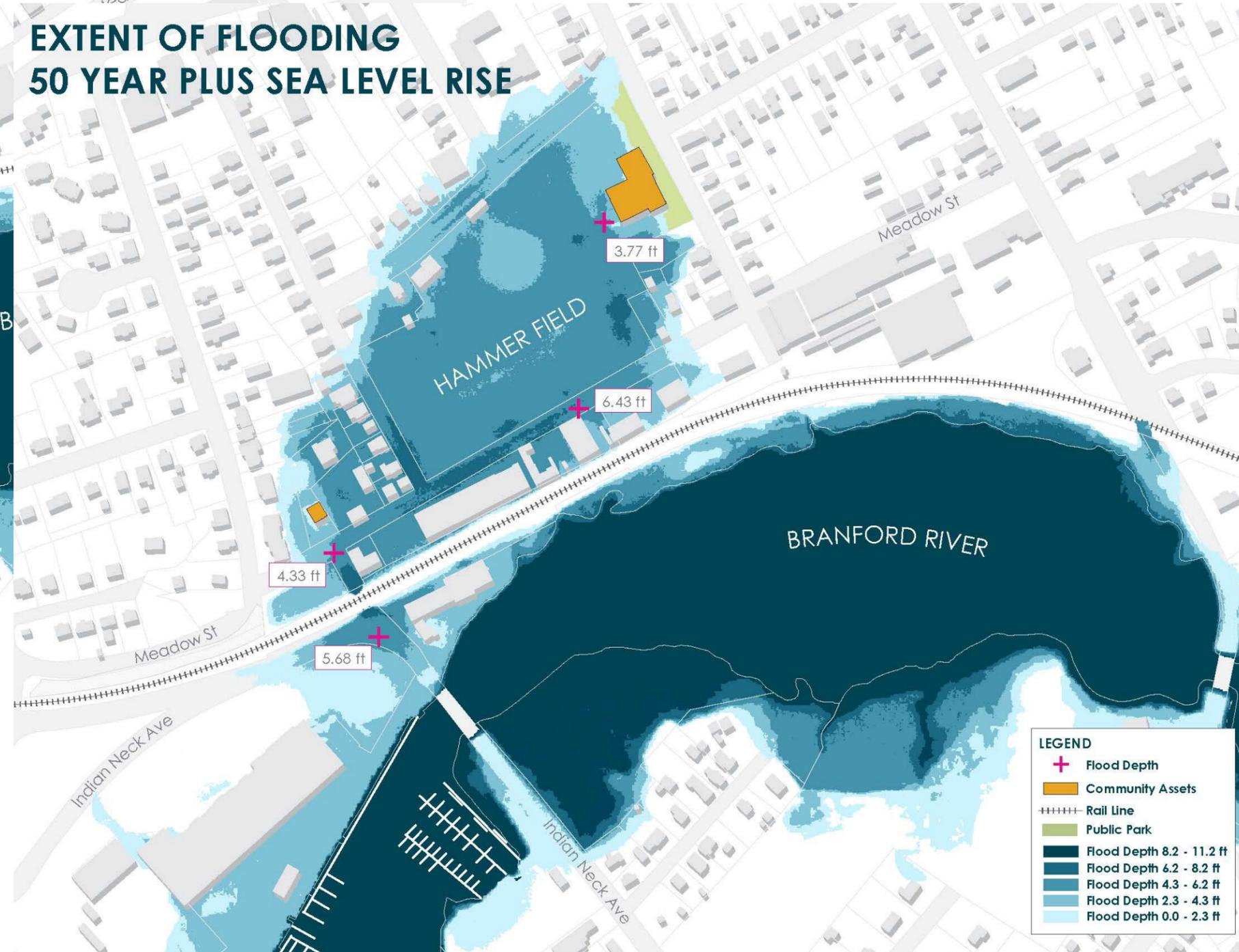
10-YEAR RETURN STORM FLOOD MAPPING

RESILIENT MEADOW STREET

EXTENT OF FLOODING 50 YEAR



EXTENT OF FLOODING 50 YEAR PLUS SEA LEVEL RISE



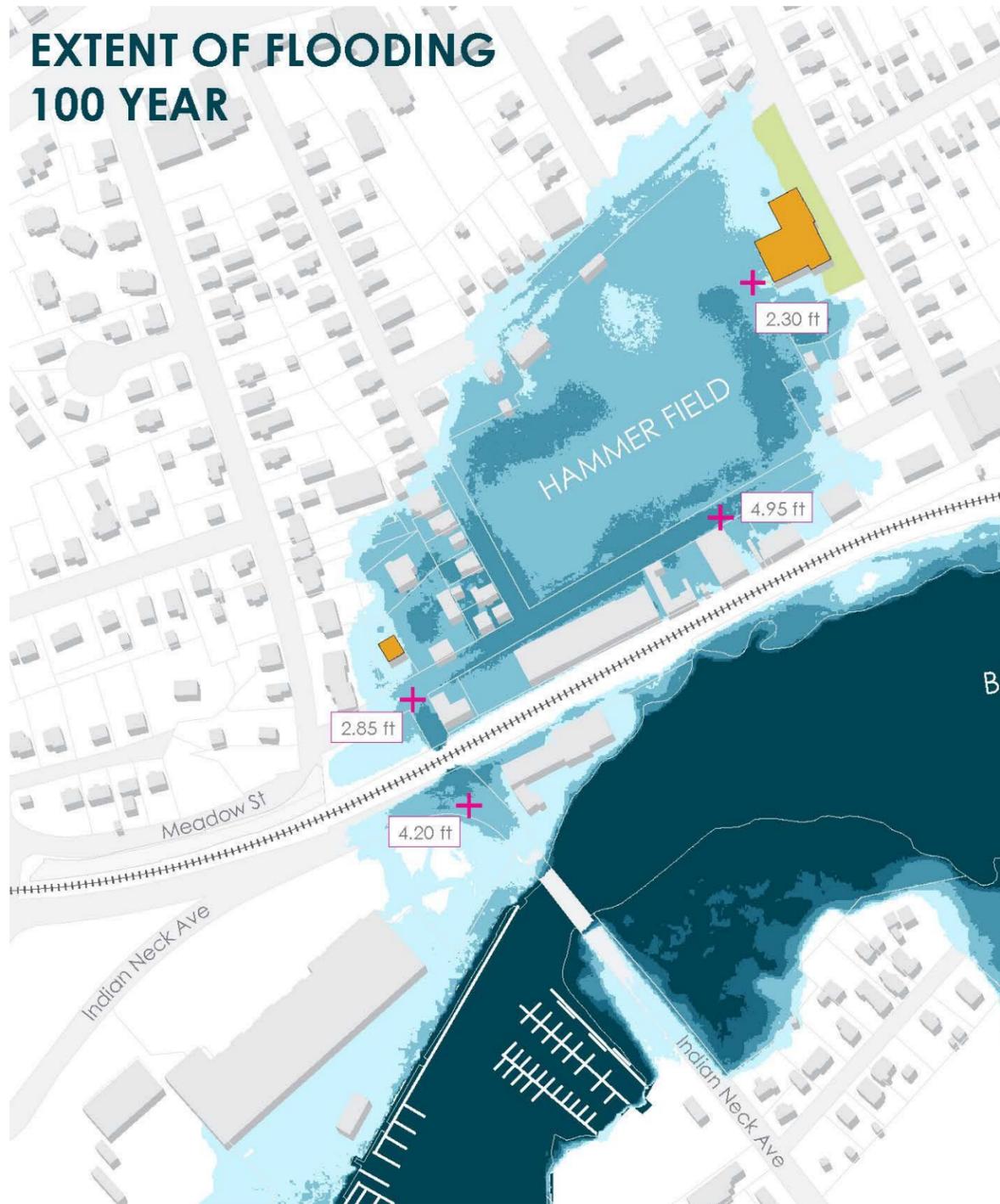
LEGEND

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- Flood Depth 8.2 - 11.2 ft
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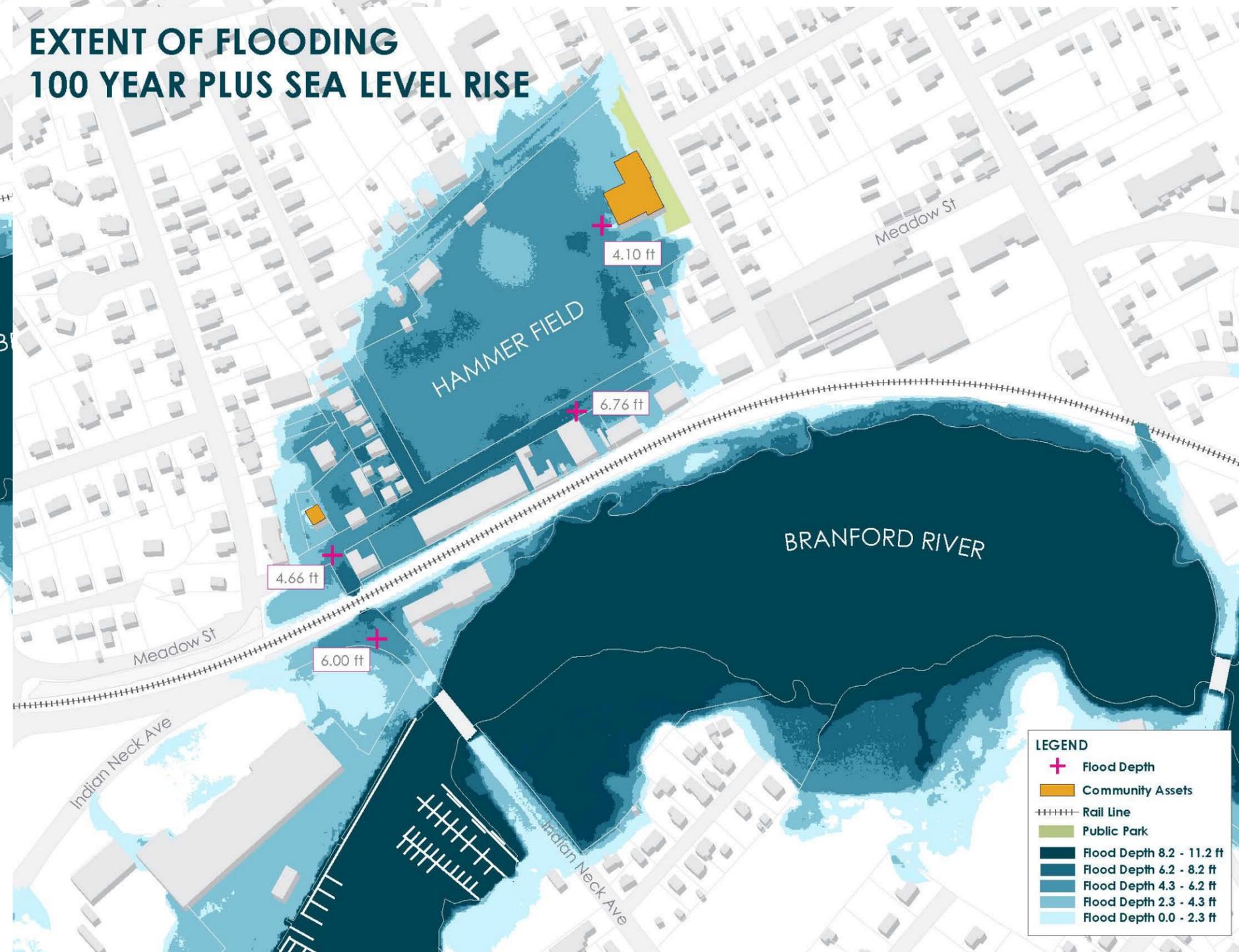
50-YEAR RETURN STORM FLOOD MAPPING

RESILIENT MEADOW STREET

EXTENT OF FLOODING 100 YEAR



EXTENT OF FLOODING 100 YEAR PLUS SEA LEVEL RISE



100-YEAR RETURN STORM FLOOD MAPPING

LEGEND

- + Flood Depth
- Community Assets
- +++++ Rail Line
- Public Park
- Flood Depth 8.2 - 11.2 ft
- Flood Depth 6.2 - 8.2 ft
- Flood Depth 4.3 - 6.2 ft
- Flood Depth 2.3 - 4.3 ft
- Flood Depth 0.0 - 2.3 ft

STORM EVENT	NUMBER OF STRUCTURES IMPACTED (NORTH OF TRAIN TRACKS)	
	Current Climate	Future Climate (2050)
10-year	0	34
50-year	29	40
100-year	35	42

Predicted that today's 100-year frequency flood will be equivalent to the projected 10-year frequency flood in 2050



Two Options

- 1) Install gate to close “Cattle Crossing” during floods
- 2) Install gate and new floodwall to close “Cattle Crossing” and reinforce Amtrak embankment

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OPTIONS	ADVANTAGES	DISADVANTAGES
Gate-Only	Relatively Low Cost	Likely not eligible for FEMA funding Requires human operation to be deployed
Gate with Flood Wall	Eligible for FEMA funding	Multimillion dollar project Major visual impact

RESILIENT MEADOW STREET

QUESTIONS?



A Facebook logo is positioned on the right side of the page, overlapping the bottom of the teal band and the top of the white footer. The logo is a blue circle with a white lowercase 'f'. To the left of the logo are three horizontal lines, likely intended for a name or contact information.