resilient neighborhoods

NYC PLANNING

Southern Brooklyn

June 2014

RESILIENT NEIGHBORHOODS INITIATIVE

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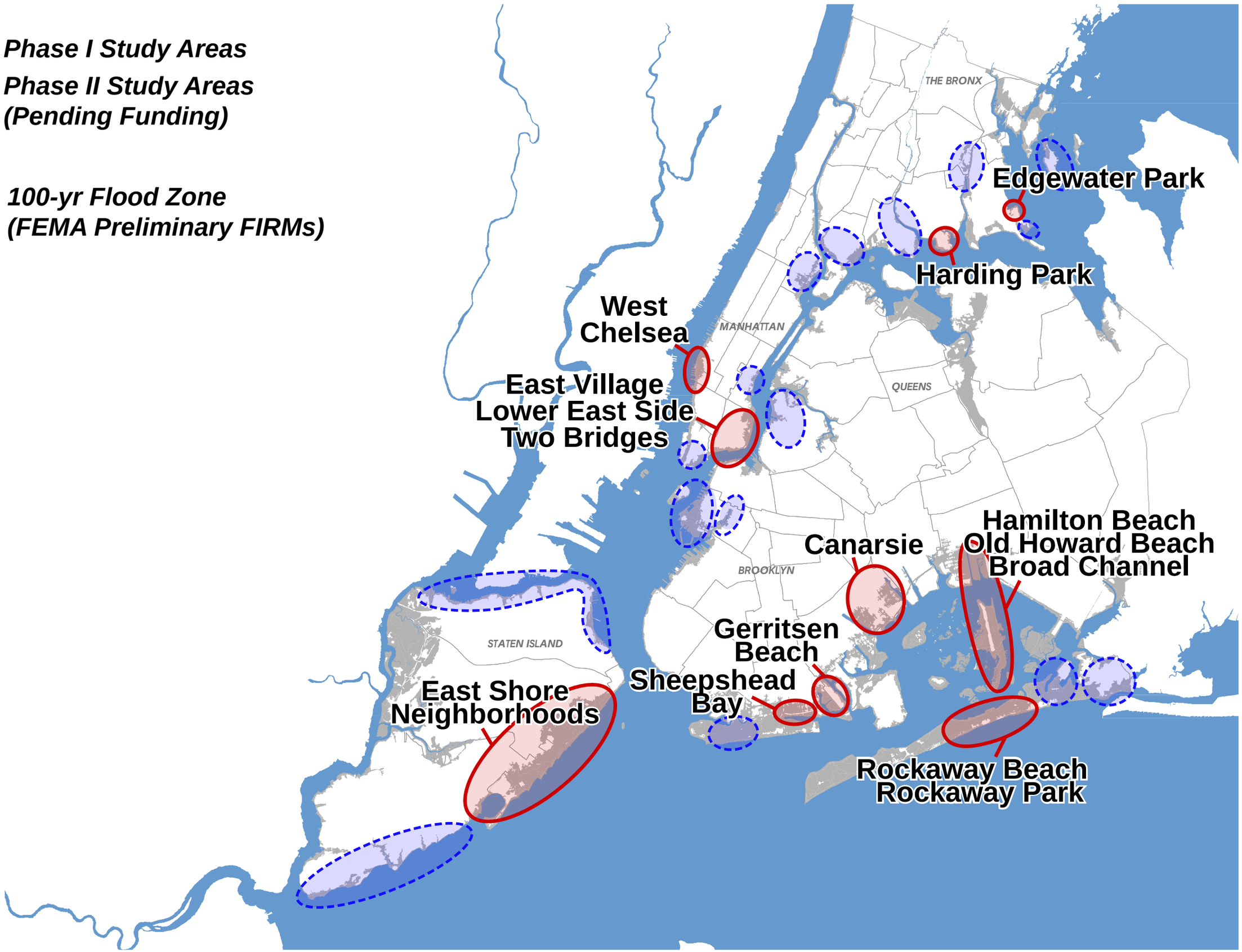
Phase I Study Areas

Phase II Study Areas (Pending Funding)

100-yr Flood Zone (FEMA Preliminary FIRMs)



STUDY GOALS:

1

Reduce risks from natural hazards such as flooding and coastal storms.

Enable buildings and infrastructure to withstand flooding and other hazards while minimizing disruption to residents and businesses.

2

Foster economically and socially vibrant communities that are able to adapt to changing conditions.

Support the continuing vitality of neighborhoods, considering both short-term needs and long-term challenges.

3

Coordinate land use planning with rebuilding activities and infrastructure investment.

Identify practical strategies to address neighborhood needs and constraints.

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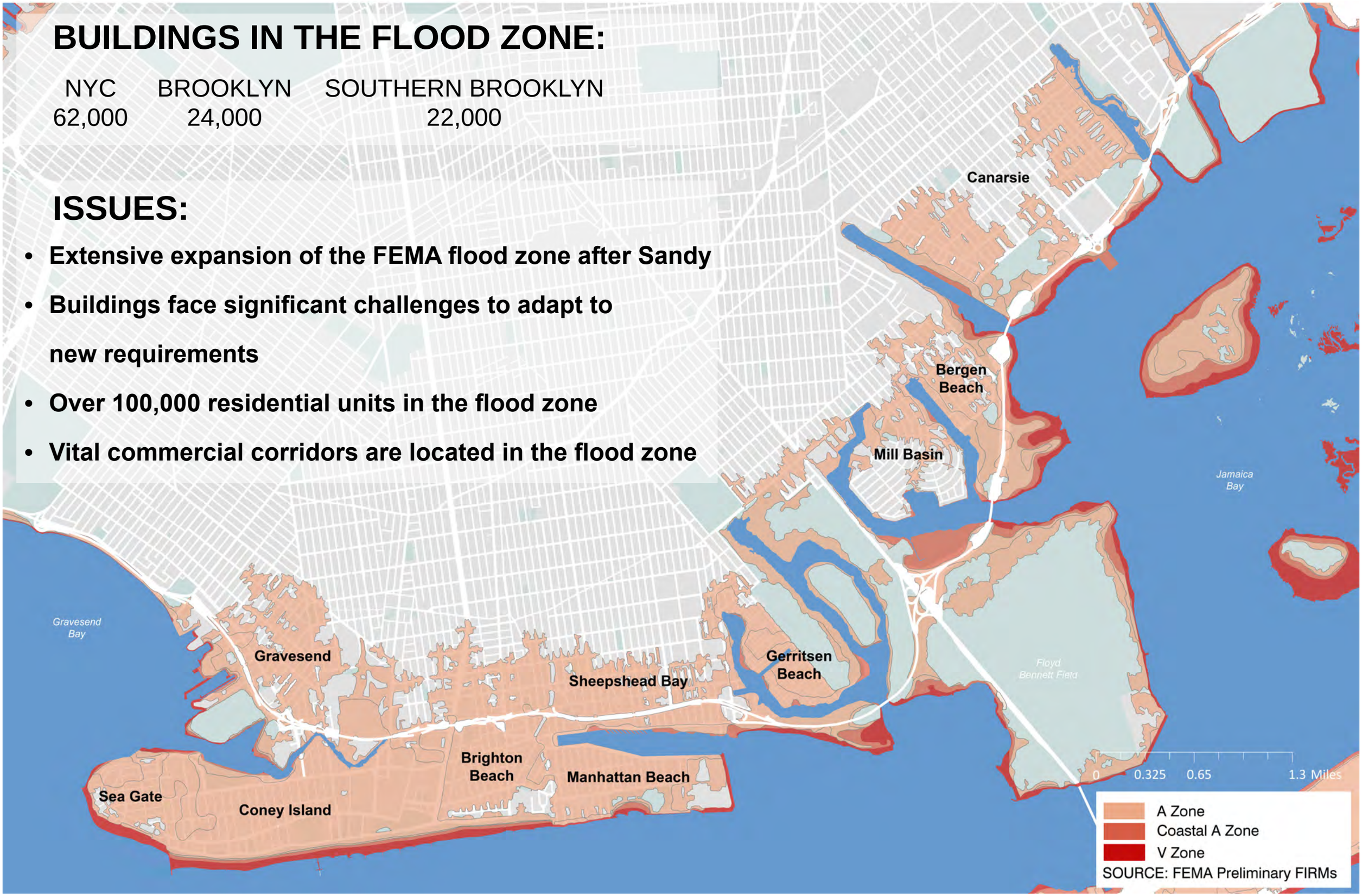
BUILDINGS IN THE FLOOD ZONE:

NYC	BROOKLYN	SOUTHERN BROOKLYN
62,000	24,000	22,000

ISSUES:

- **Extensive expansion of the FEMA flood zone after Sandy**
- **Buildings face significant challenges to adapt to new requirements**
- **Over 100,000 residential units in the flood zone**
- **Vital commercial corridors are located in the flood zone**



SOUTHERN BROOKLYN

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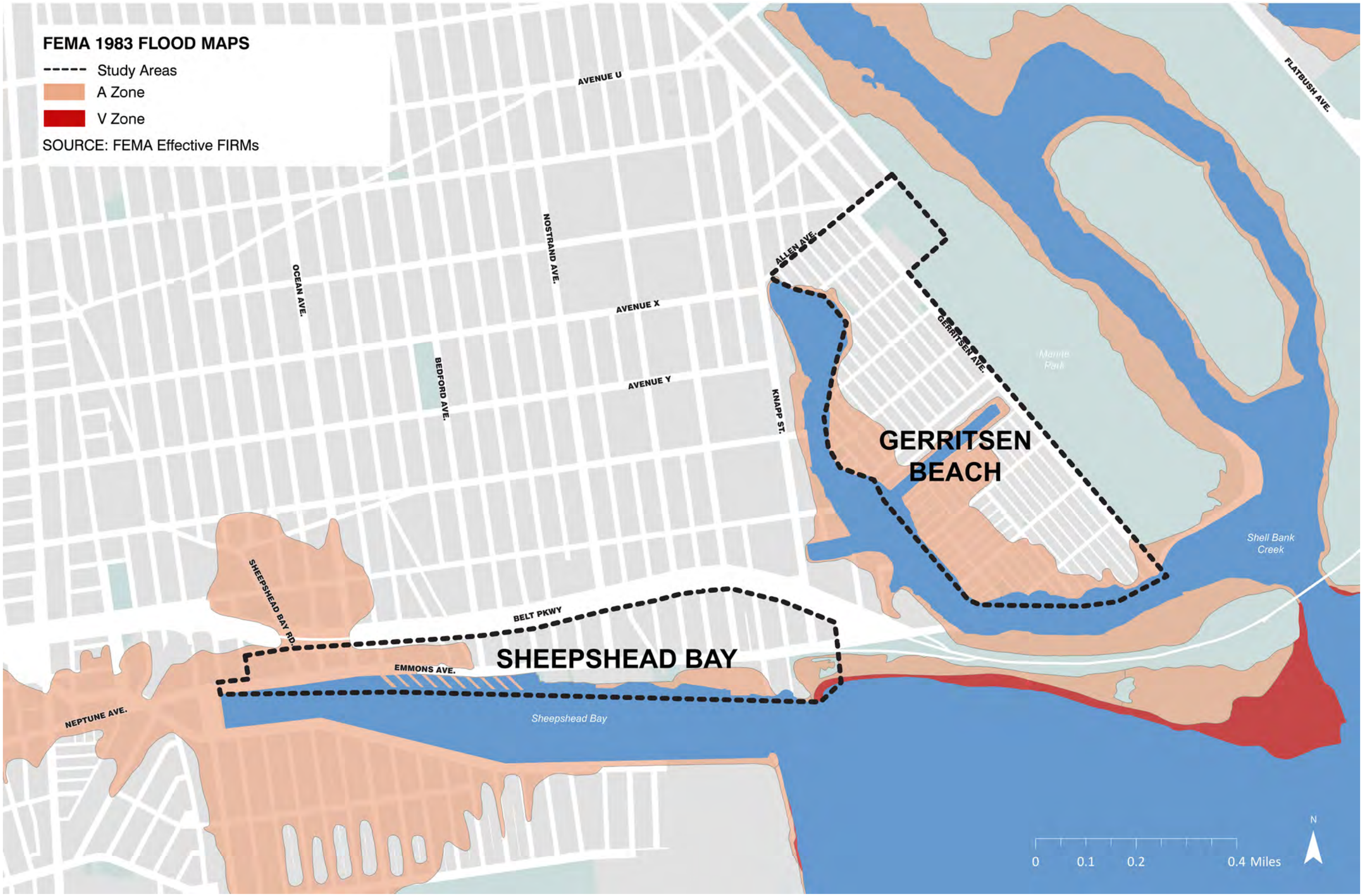

SOUTHERN BROOKLYN

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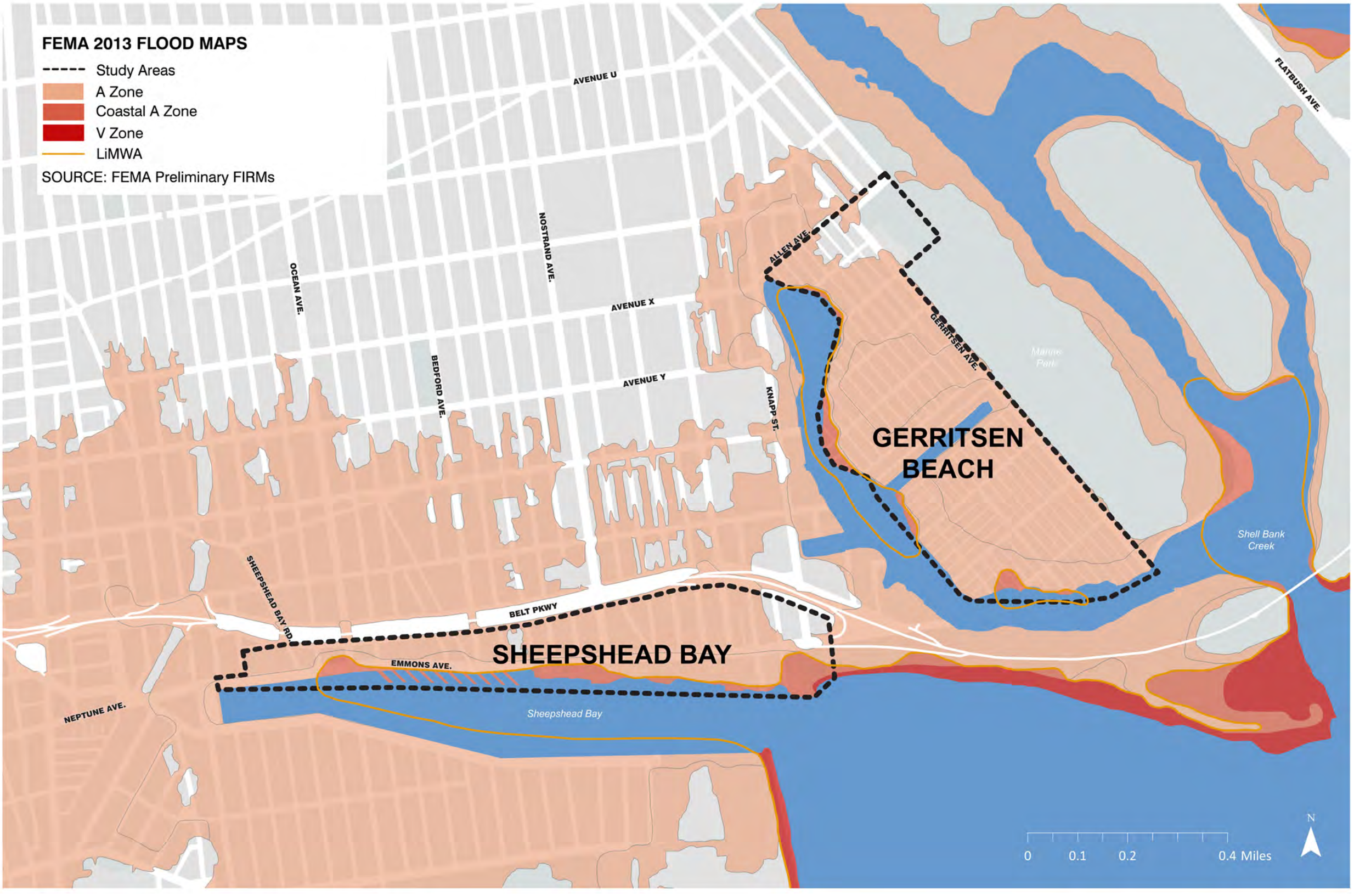
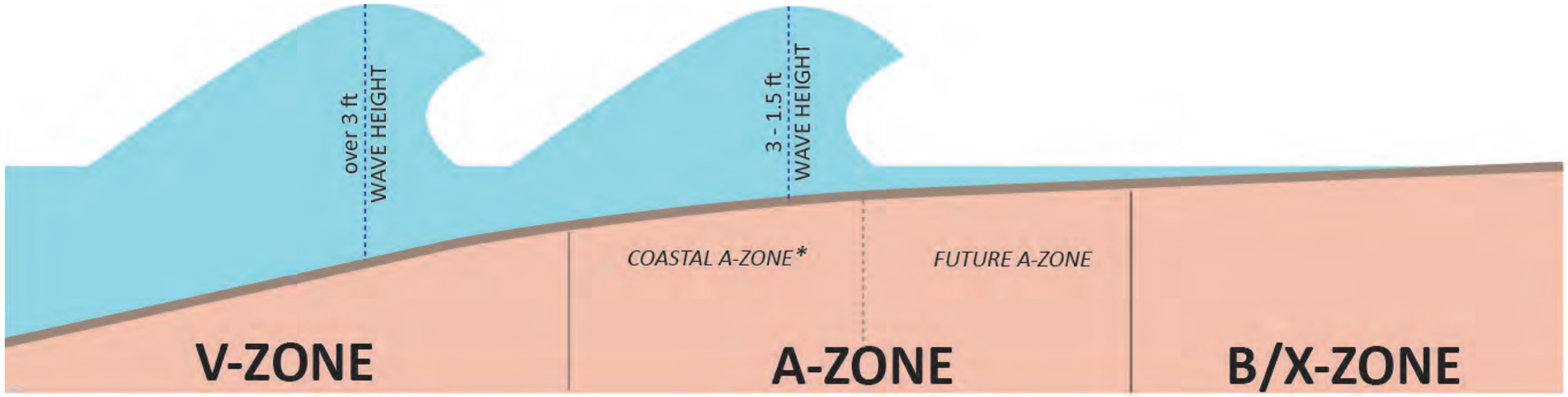
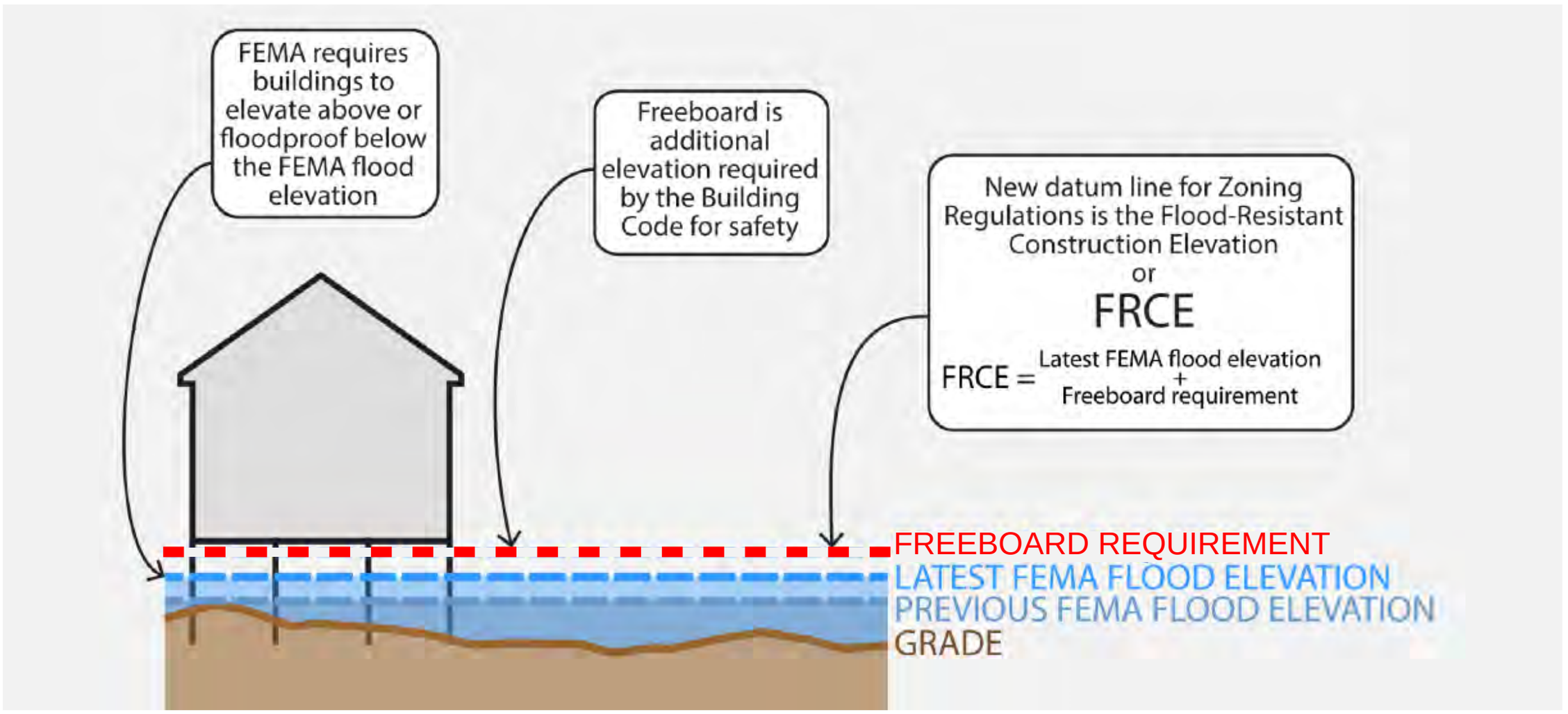


FLOOD RISK


over 3 ft
WAVE HEIGHT
3 - 1.5 ft
WAVE HEIGHT
COASTAL A-ZONE*
FUTURE A-ZONE
V-ZONE
A-ZONE
B/X-ZONE


FEMA requires buildings to elevate above or floodproof below the FEMA flood elevation
Freeboard is additional elevation required by the Building Code for safety
New datum line for Zoning Regulations is the Flood-Resistant Construction Elevation
or
FRCE
FRCE = Latest FEMA flood elevation + Freeboard requirement
FREEBOARD REQUIREMENT
LATEST FEMA FLOOD ELEVATION
PREVIOUS FEMA FLOOD ELEVATION
GRADE

GERRITSEN BEACH

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SHEEPSHEAD BAY

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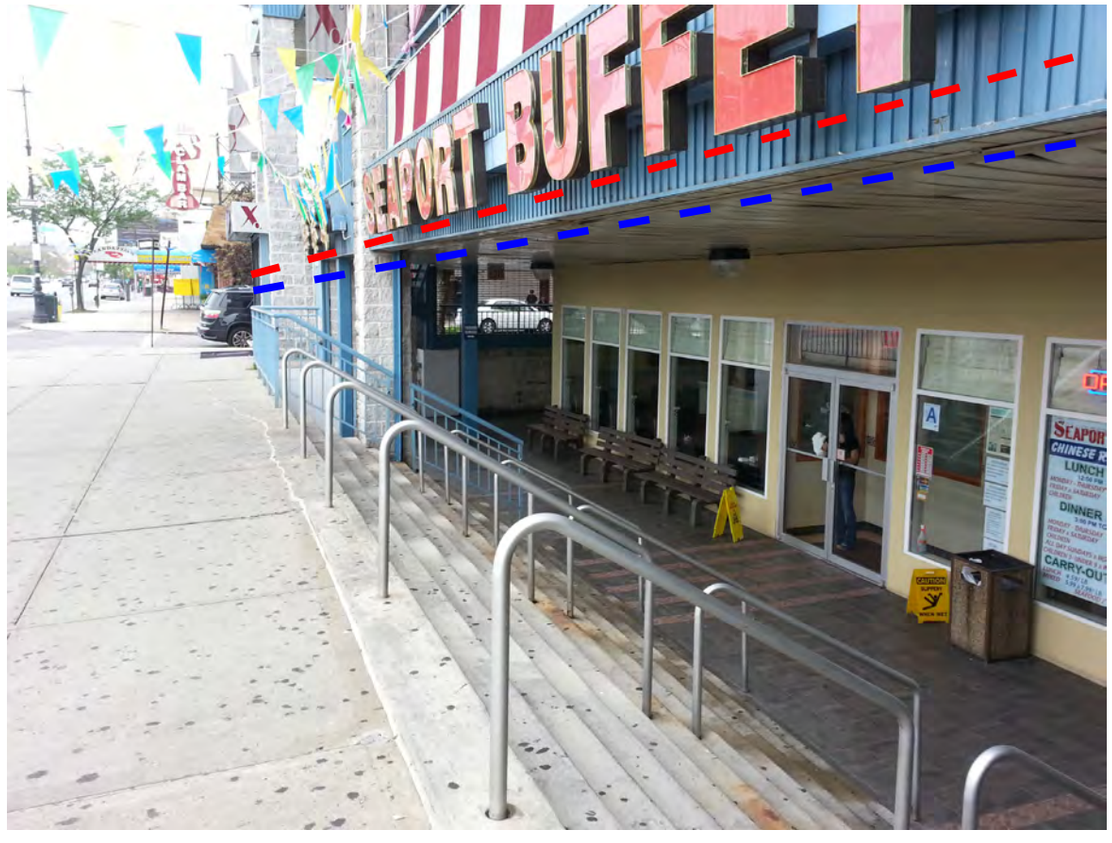

SCOPE OF WORK:

- **Explore issues** associated with coastal flooding in this neighborhood
- Together with local residents and other stakeholders, develop a **community-based planning framework**
- Develop potential changes to land use regulations together with the community to **facilitate long-term resiliency of this neighborhood**

NEXT STEPS:

1. Convene a **Community Advisory Committee** to advise on the recommendations that will be developed during the study

2. Conduct **field work and surveys** of the neighborhood to identify issues related to coastal flooding

3. Based on findings **develop a planning framework** to reduce the risks associated with coastal flooding, and ensure the long-term resiliency of its built environment

For more information and updates visit our website:

www.nyc.gov/resilientneighborhoods

or email us:

ResilientBrooklyn_DL@planning.nyc.gov