



Planning Committee Meeting 1

Springfield Gardens, Brookville, Rosedale

July 10, 2014



Agenda

1. Introduction and Welcome (7:00 pm)

2. Presentation (7:10 pm)

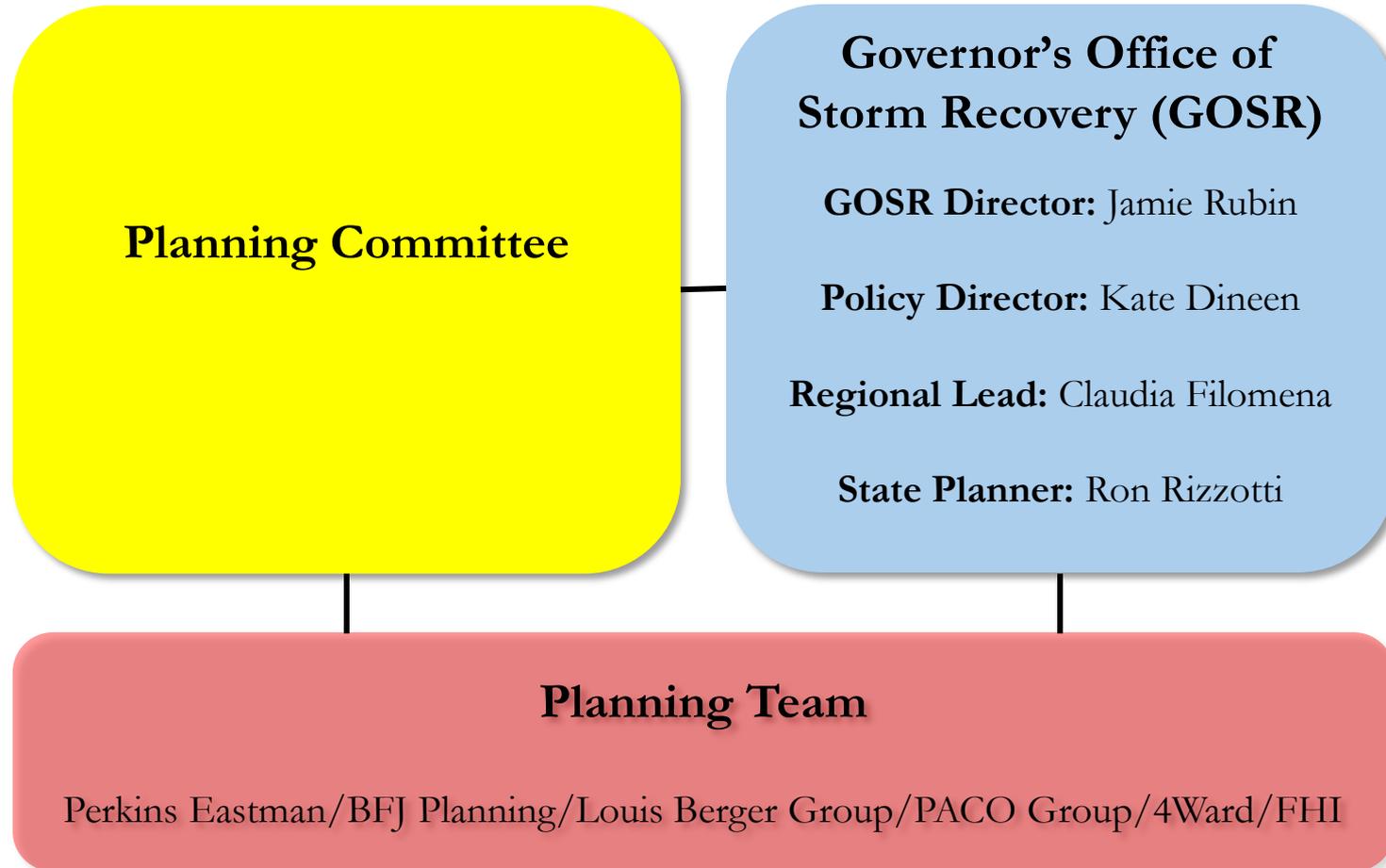
- The NYRCR Program Overview and Timeline
- What Happened and Why

3. Discussion (8:00 pm)

- Geographic Scope
- What is the Vision for this area?
- Public Engagement
- What are the Area's most important assets?



NY Rising Community Reconstruction Program: Team Members



Introductions

Perkins Eastman – *Lead Consultant and Design & Action Strategies*

- Eric Fang
- Ari Daman

BFJ Planning – *Planning Policies and Coordination with Regional Initiatives*

- Sarah Yackel
- Simon Kates

Louis Berger Group – *Risk Assessment, Engineering and Technical Analysis*

- Niek Veraart
- Jennifer Gonzalez
- Bethany Bearmore

PACO Group – *Risk Assessment, Engineering and Technical Analysis*

- David Kirk

4Ward Planning – *Economic and Housing Analysis*

- Todd Poole
- Amy Pivak

Fitzgerald & Halliday – *Public Outreach*

- Arnie Bloch



NYRCR Program

What is the NY Rising Community Reconstruction Program?

- Announced by Governor Cuomo in April 2013 to provide rebuilding and resiliency assistance to communities damaged by *Hurricane Irene, Tropical Storm Lee, and Superstorm Sandy*
- Goal: to develop *implementable* reconstruction plans to mitigate future risks and build more physically, socially, and economically resilient communities
- *Provides technical assistance* to allow *communities to direct* how Community Development Block Grant – Disaster Recovery (CDBG-DR) funds are spent



NYRCR Program: Funding

NY Rising Community Reconstruction Program Funds:

- **\$650 million** to provide rebuilding and resiliency assistance to communities damaged by Hurricane Irene, Tropical Storm Lee, and Superstorm Sandy across New York State
- Up to *\$6 million allocated for projects in Springfield Gardens, Brookville, and Rosedale*
- *Potential to receive additional funds* for through the NY Rising to the Top Competition.



NYRCR Program

What the Plan should address:

Current Damage

- Identify where funds should be used to repair or reconstruct critical facilities and essential public assets damaged or destroyed

Future Threats

- Assess the community's vulnerabilities to potential natural disasters and future needs for housing, infrastructure improvements, and economic development

Increase Resiliency

- Identify projects that will increase resilience while also protecting vulnerable populations and promoting sound economic development



Planning Committee Member Expectations

- *Attendance at monthly Planning Committee meetings*
- *Participation at four Public Engagement Events* over the next 7 months
- *Outreach* to the community
- Review and approve the contents of the *Community Reconstruction Plan*
- *Select projects proposed for funding*



NYRCR Plan: Key Elements of the Plan

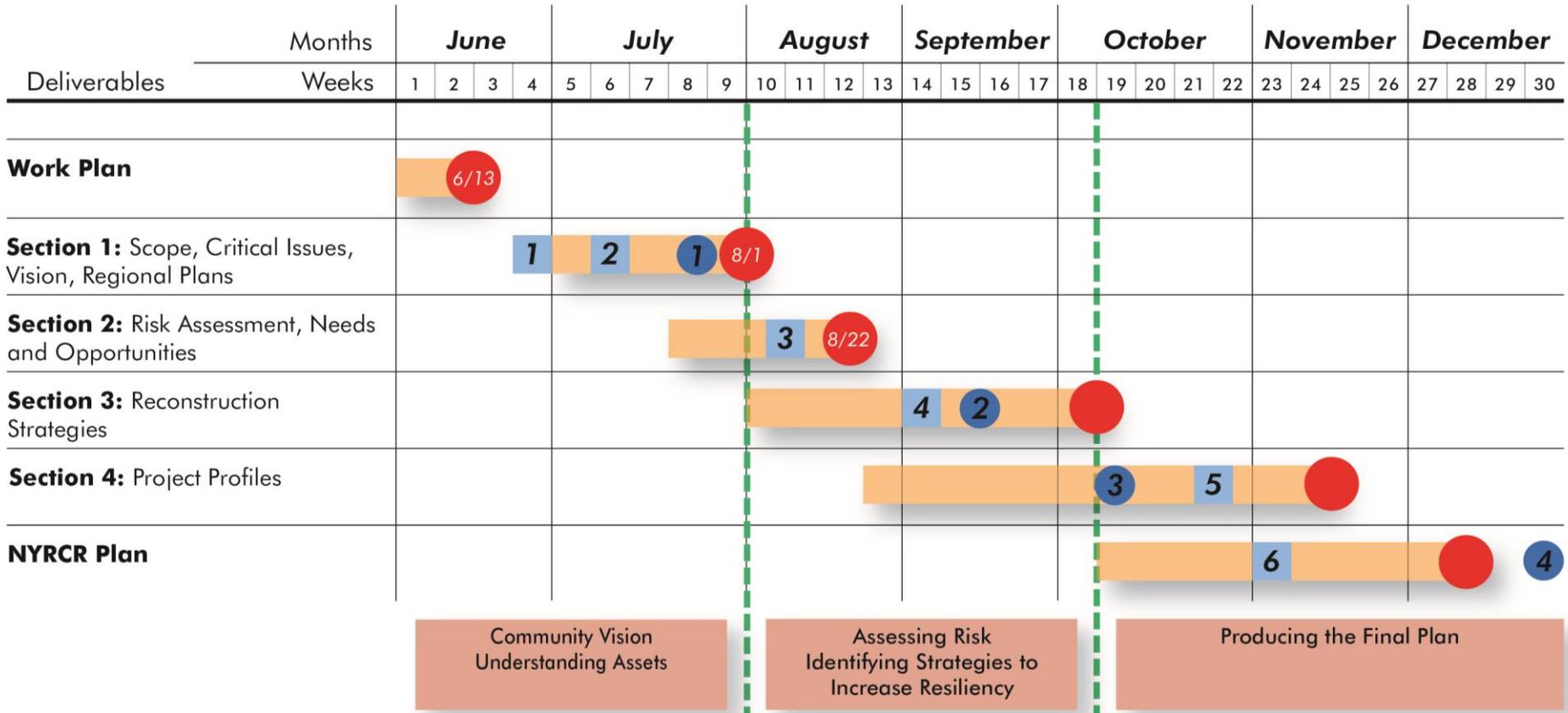
The Plan should:

- Increase resilience of *key assets*
- Address *short, medium and long-term risks*
- Balance *costs and benefits*
- Protect *vulnerable populations*
- Drive *economic growth*
- Coordinate with *Regional Initiatives*



Schedule

- Planning Committee Meeting
- Public Meeting
- Deliverable Due Date



Preparing the NYRCR Plan

Planning Committee Meeting 1

Program Overview & Visioning

Thursday, July 10, 2014

Planning Committee Meeting 2

Assets, Needs and Opportunities

Date TBD

Public Engagement Event 1

Assets, Needs and Opportunities

Date TBD

Planning Committee Meeting 3

Risk Assessment

Date TBD

Planning Committee Meeting 4

Reviewing Projects

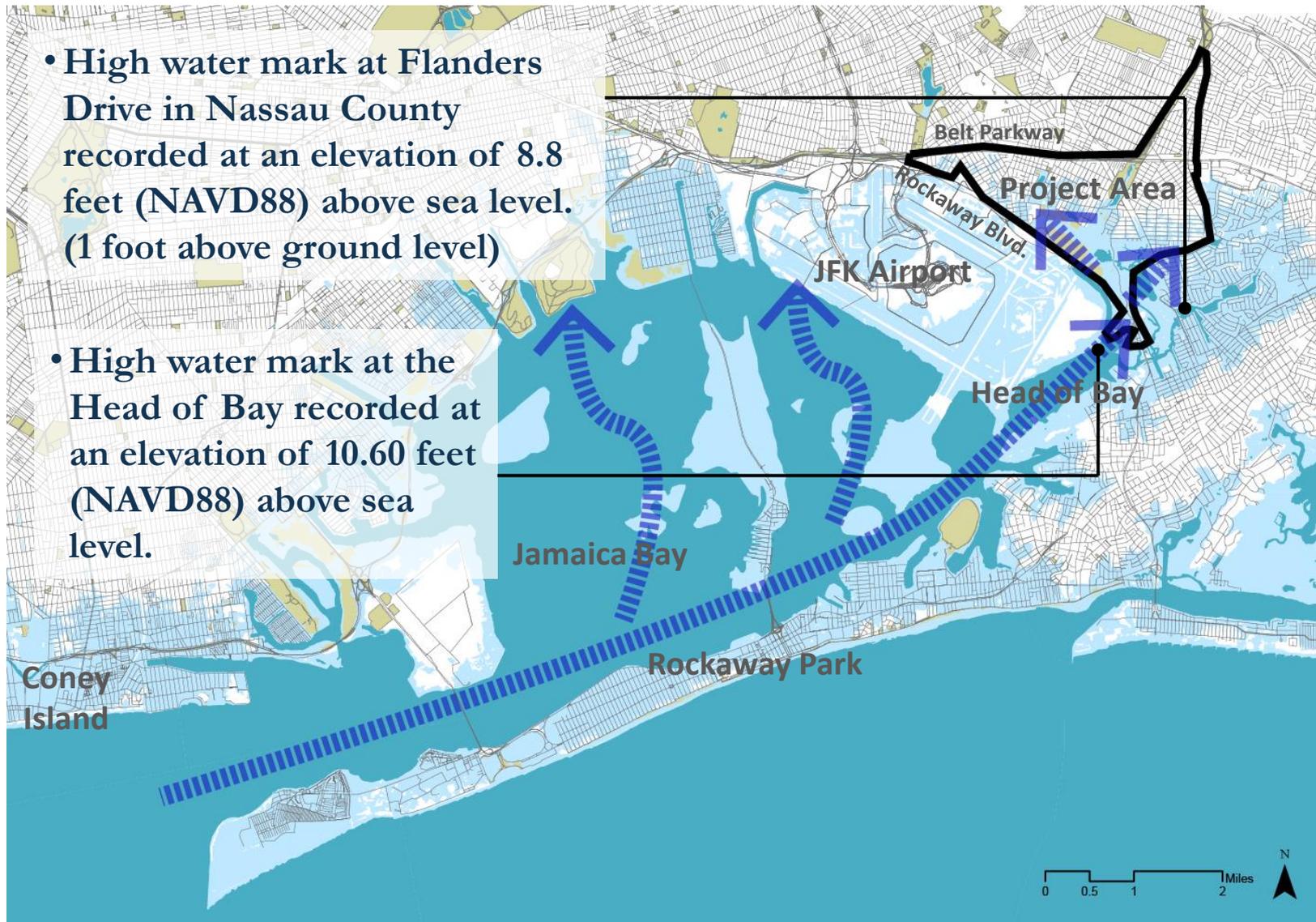
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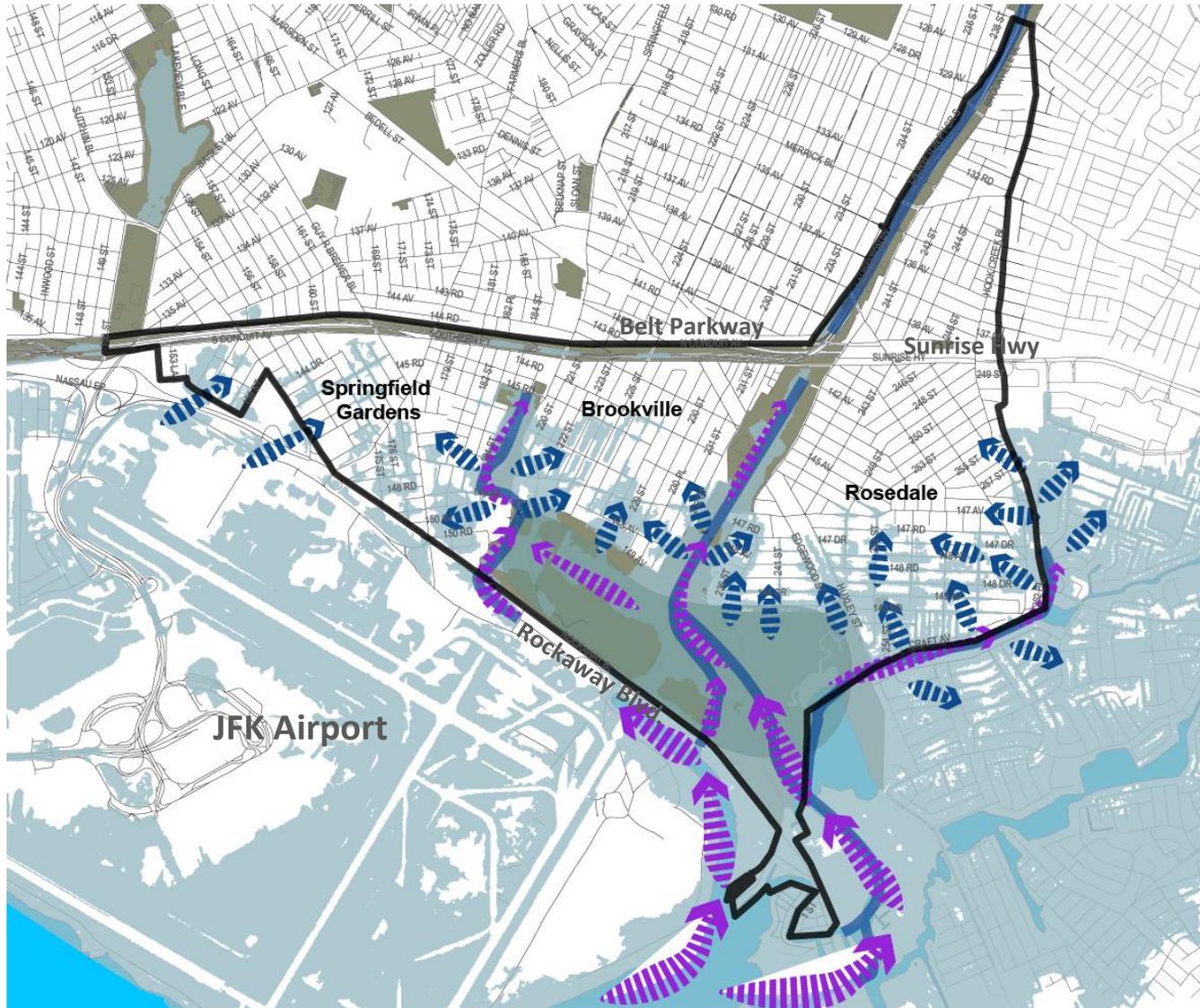
Superstorm Sandy Surge Level

- High water mark at Flanders Drive in Nassau County recorded at an elevation of 8.8 feet (NAVD88) above sea level. (1 foot above ground level)

- High water mark at the Head of Bay recorded at an elevation of 10.60 feet (NAVD88) above sea level.



What Happened: Superstorm Sandy Surge



- The storm's landfall coincided with a "spring" tide, which translated into higher storm tides.
- Flooding due to tidal storm surge that came through Jamaica Bay
- Flowed through Hook Creek in a northerly direction to its marshes and tidally influenced streams.



What Happened: Superstorm Sandy Inundation



- Storm surge levels of three to six feet
- Surge levels overcame the tidal marshes, extending into community
- Overtopping of bulkheads / revetments
- Overflowing stream banks
- Rain less than 1"
- Backups in the stormwater systems in low-lying areas



Existing Edge Conditions



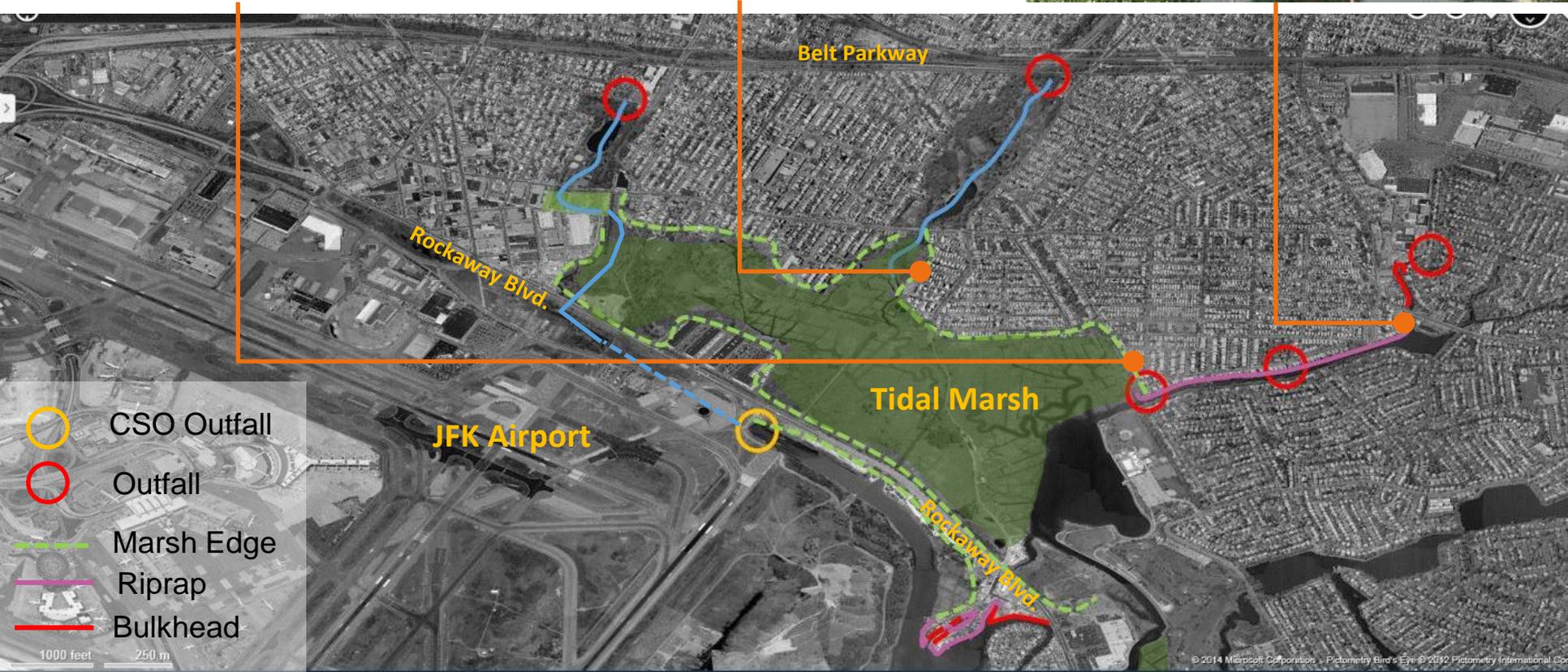
Tidal Marsh Edge



Tidal Marsh Edge



Edges along Hook Creek



Typical Existing Conditions



Hook Creek Crossing

Low Elevations



Bridge at Brookville Park

Tidal Influence



145th Ave and Hook Creek

Localized Flooding



147th Ave and Brookville Blvd

Low Lying Areas



148th Ave and 230 St

Localized Depression



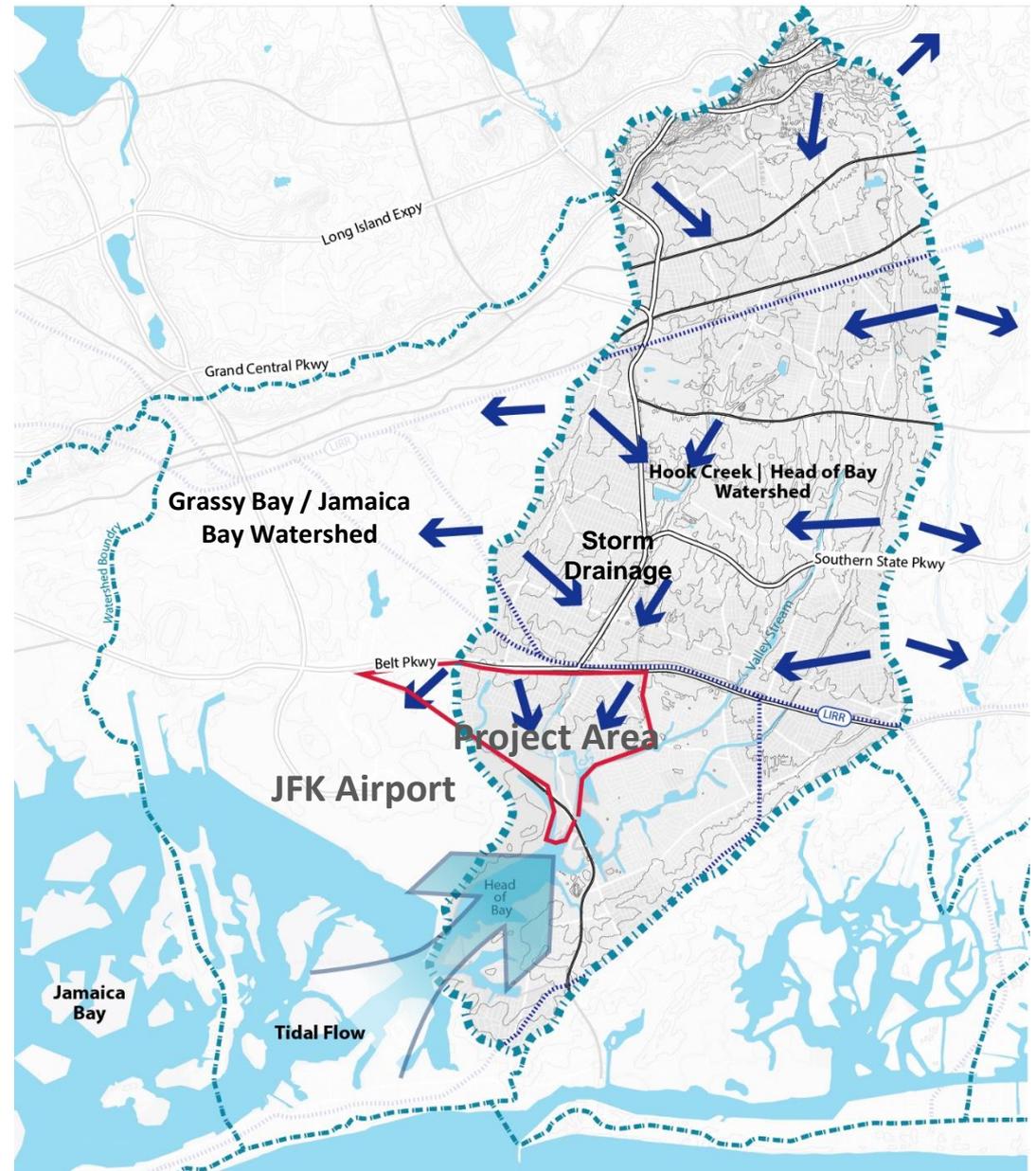
Houses on Hook Creek Blvd

Basement Conditions

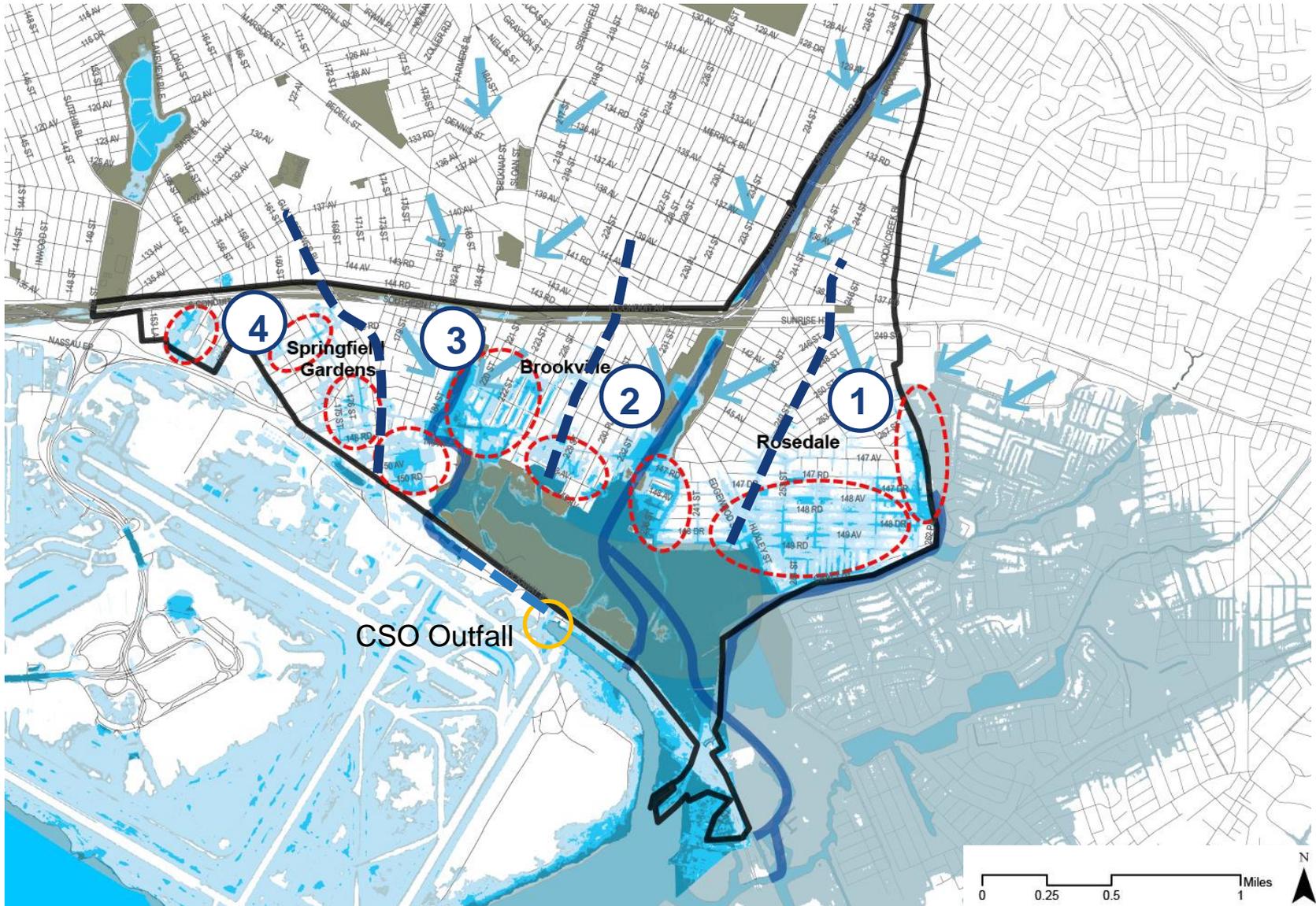


Regional Water Movement

- At the lower part of Hook Creek / Head of Bay Watershed
- Stormwater flows south through the Hook Creek / Head of Bay watershed
- Tidal flows north from Jamaica Bay through Head of Bay
- High tide averages 4.5-6.5 feet in height



Water Movement: Four Sub-Watersheds



What Happened: Summary of Damage (Sandy)

- Flooding up to 3 to 6 Feet in low lying areas
- Flooding main cause of damage
- Stormwater system back-up due to “backwater flooding”
- Sewage backups
- Flooding of backyards and basements
- Brookville Road, a designated evacuation route, was washed out with floodwaters, as were segments of Rockaway Boulevard
- Damage to electrical, mechanical and HVAC reported
- Tree uprooting or damage due to high wind gusts
- **Sewer pumping station was flooded?**



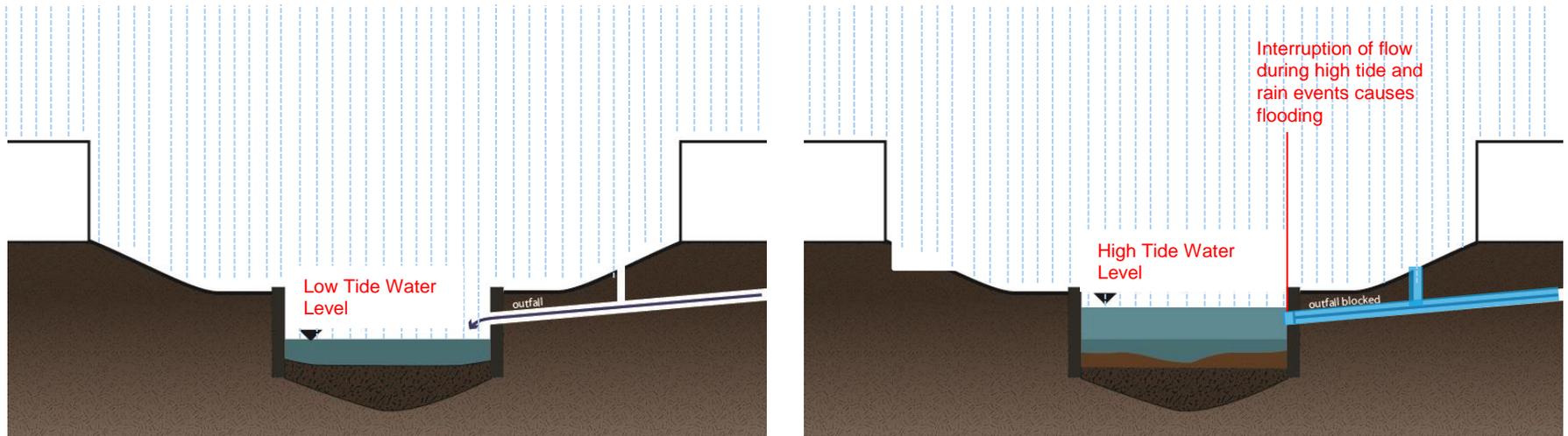
What Happened: Summary of Damage (Irene)

- In comparison to Superstorm Sandy, the impacts from Hurricane Irene were *largely a result of precipitation and wind*
- More than three times the amount of rainfall that fell during Superstorm Sandy (7-10’)
- *Wind gusts in excess of hurricane force* (60-70 mph), New York City escaped severe wind-related damage because Irene’s strongest winds were over water east of the path’s center
- Storm surge in coastal areas (3 – 6’ storm tides)
- Hurricane Irene *followed a summer of high precipitation and saturated soils*, which exacerbated stormwater runoff and brought down trees
- *Widespread Power Outages* in Queens



Nuisance Flooding (assumed sources)

- High tide with a large rain event
- Low elevation
- Drainage characteristics of soil / high water table



Area Issues

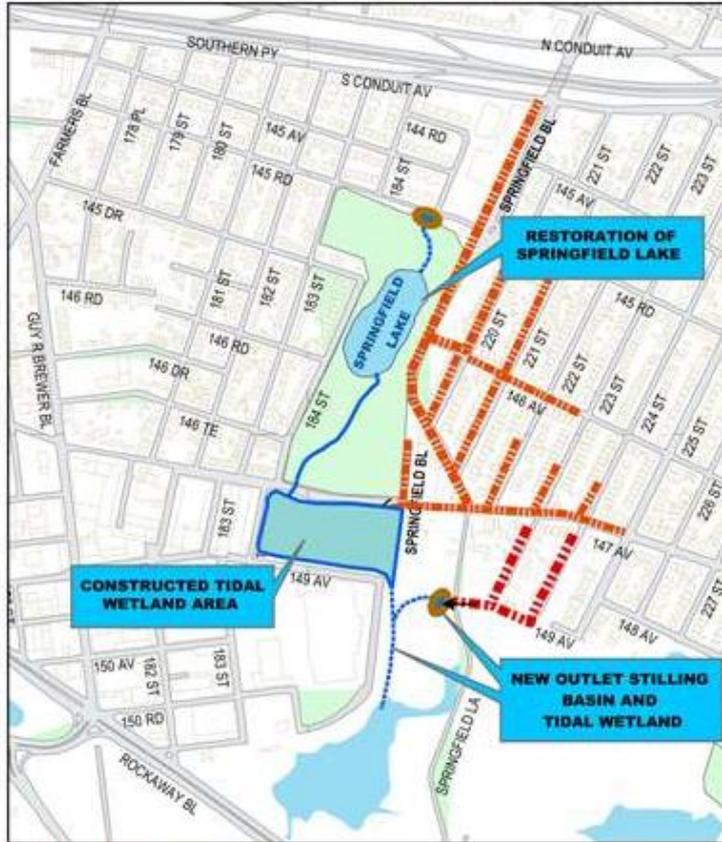
- Low lying areas
- Inadequate storm surge protection
- Inadequate drainage
- Decrease in the capacity of the existing water bodies after Superstorm Sandy?
- Tidal flooding
- High water table



Ongoing Projects



QUEENS BLUEBELT SPRINGFIELD LAKE



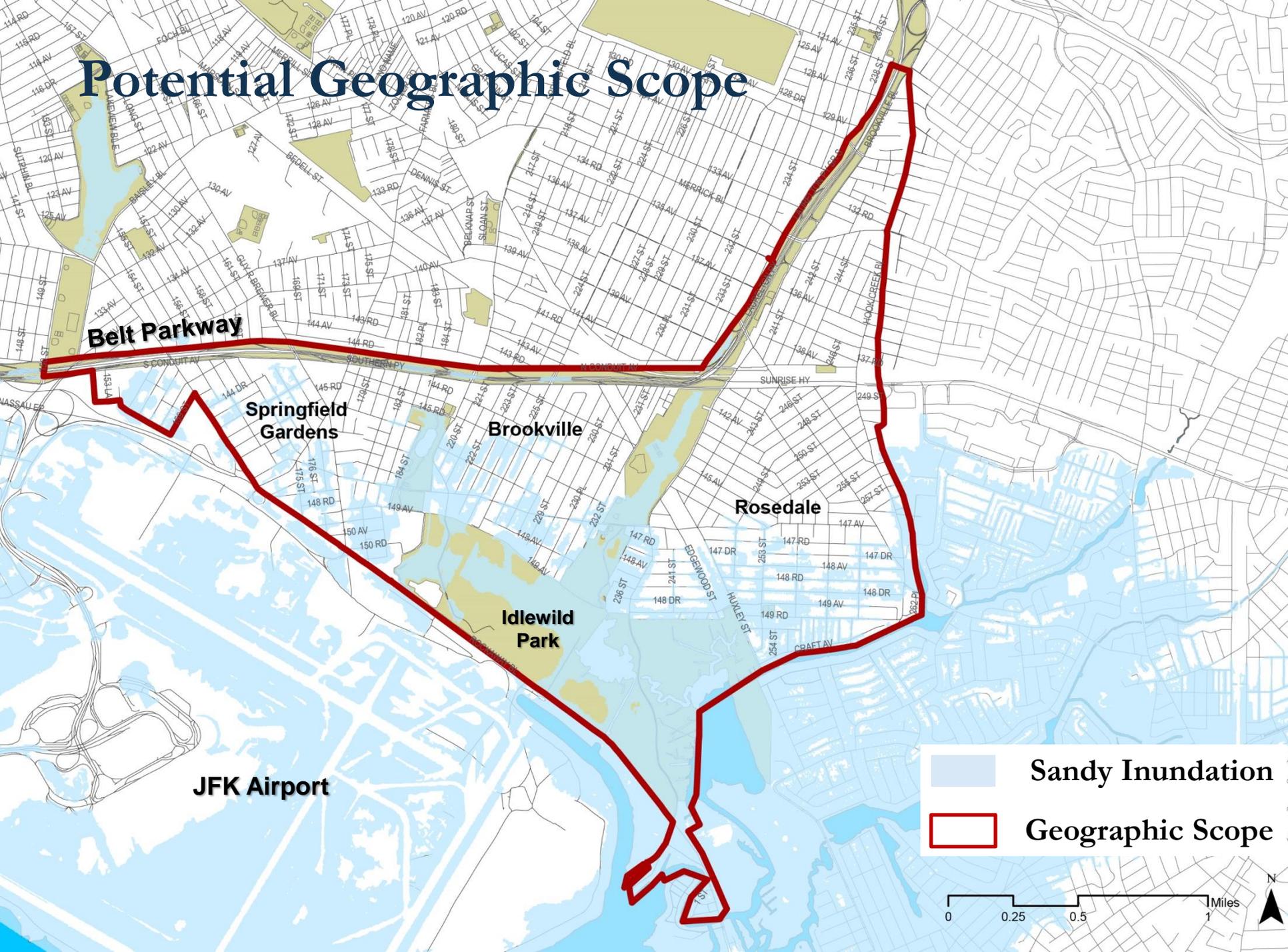
- New storm sewers.
- Restoration of existing stream and wetland enhancement.
- Tidal Wetland Area
- New outlet stilling basins.



- \$175 million neighborhood upgrade to alleviate flooding
- \$69 million for installation of 84 catch basins, approximately 2.8 miles of new sewer lines, nearly 3 miles of water mains and new streets and sidewalks
- Tidal wetland pond
- Improve the water quality in nearby Jamaica Bay



Potential Geographic Scope



Belt Parkway

**Springfield
Gardens**

Brookville

Rosedale

**Idlewild
Park**

JFK Airport

 **Sandy Inundation**

 **Geographic Scope**



Community Vision

What do we want to call the Study Area?

Should we identify a name for the NYRCR Community that encompasses all three areas without creating divisions?

Suggestions:

- *Southeast Queens?*
- *Idlewild?*
- *Others?*



Community Vision

Eastern Queens Alliance Whitepaper

- The NYRCCR Plan should build upon previous planning efforts in the area
- How can some of the recommendations from the 2006 EQA White Paper be updated to include resilience to extreme weather?



Community Vision Exercise

What qualities characterize the Springfield Gardens, Brookville, and Rosedale Communities?



Community Vision Exercise

Are there other community strengths you would like to identify?



Community Vision Exercise

What are some weaknesses in infrastructure or social networks that could be improved to increase resilience?



Community Vision Exercise

What opportunities exist in the community to increase resilience?



Community Vision Exercise

1. How should Springfield Gardens, Brookville and Rosedale address the damage caused by Superstorm Sandy?
2. How can Springfield Gardens, Brookville and Rosedale capitalize on social and economic assets to improve the local economy?
3. How should Springfield Gardens, Brookville and Rosedale build a more resilient community to expand the economy and reduce future risk?
4. What would you most like to see for Springfield Gardens, Brookville and Rosedale in the next 10 years?



Public Engagement Strategy

1. Date for the 1st Public Engagement Event
2. Set Dates for future Monthly Planning Committee Meetings
3. Outreach Strategies that work in Springfield Gardens, Brookville, and Rosedale



Public Engagement Strategy: Questionnaire

1. What represents the best things about the neighborhood?
2. What most concerned you when Superstorm Sandy and Hurricane Irene struck?
3. What would you like to see improved in the area so it can be more resilient to future severe weather?
4. Check-box questions
5. Additional comments

Springfield Gardens, Brookville, Rosedale Residents and Business Owners Questionnaire

Were you directly or indirectly impacted by the events of Superstorm Sandy?
Help make your community more resilient by providing input to the NY Rising Community Reconstruction Committee in Springfield Gardens, Brookville, and Rosedale! Your answers will help the Committee, NY State and technical experts as they develop a plan to help make your community more resilient.

1. When you think of the Springfield Gardens, Brookville, and Rosedale area, what represents the best things about the neighborhood?

2. Other than where you live, what most concerned you about the Springfield Gardens, Brookville, and Rosedale area when Superstorm Sandy struck in October, 2012?

3. Other than where you live, what would you like to see improved so the area can be more resilient from future severe weather?

4. Please answer these questions about yourself:

How long have you lived in this Community? 0-2 years 2-5 years 5-10 years 10+ years

During Superstorm Sandy I experienced (check all that apply): flooding sewer backup power outage

In the community, I am a (check all that apply): resident business owner What is your age? _____

What is the closest intersection to your home/business? _____

5. Any additional Comments?

Your comments will remain confidential, however, if you would like to stay informed through the planning process, please leave your contact information:

Name: _____, Phone: _____, Email: _____



New York Rising
Community Reconstruction Program

www.stormrecovery.ny.gov/cr
#NYRising @NYStormRecovery



Community Asset Inventory

Economic

- Downtown center, Businesses, Employment Hub, Lodging, Industrial, Warehousing, Manufacturing, Tourism, Grocery, and Restaurants

Housing

- Single Family, Multi-Family, Mixed-use, Supportive, Senior, and Affordable Housing

Natural and Cultural Resources

- Water bodies, wetlands, parks and recreation, cultural or religious establishments, libraries, museums or stadiums, natural protective features

Health and Social Services

- Schools, Hospitals and Healthcare Facilities, Daycare and Eldercare, Government, Public Works, and Emergency Response / Operations

Infrastructure Systems

- Telecommunications, wastewater, stormwater, water supply, hazardous materials, solid waste, transportation, liquid fuels, and power supply

Socially Vulnerable Populations

- Disabled, low-income, elderly, children, non-English speaking, homeless, pet owners



Next Steps

- Confirm planning committee meeting dates/locations
- Confirm public engagement meeting date/location
- Complete vision statement
- Complete overview
- Asset identification homework
- Ethics Handbook

