

Appendix III

WRP Consistency Assessment Form and Flood Elevation Worksheet

NEW YORK CITY WATERFRONT REVITALIZATION PROGRAM

Consistency Assessment Form

Proposed actions that are subject to CEQR, ULURP or other local, state or federal discretionary review procedures, and that are within New York City's Coastal Zone, must be reviewed and assessed for their consistency with the [New York City Waterfront Revitalization Program](#) (WRP) which has been approved as part of the State's Coastal Management Program.

This form is intended to assist an applicant in certifying that the proposed activity is consistent with the WRP. It should be completed when the local, state, or federal application is prepared. The completed form and accompanying information will be used by the New York State Department of State, the New York City Department of City Planning, or other city or state agencies in their review of the applicant's certification of consistency.

A. APPLICANT INFORMATION

Name of Applicant: Harrison Realty LLC, c/o the Rabsky Group

Name of Applicant Representative: Raymond Levin, Esq., Slater Beckerman, PC

Address: 61 Broadway, Suite 1801

Telephone: 212.391.8045 Email: rlevin@slaterbeckerman.com

Project site owner (if different than above): _____

B. PROPOSED ACTIVITY

If more space is needed, include as an attachment.

I. Brief description of activity

The applicant is proposing a zoning map amendment, pursuant to Zoning Resolution (ZR) Section 71-10, and a zoning text amendment, pursuant to ZR 23-933 to amend ZR Appendix F, to facilitate the development of mid-rise, mixed residential-commercial buildings, containing approximately 1.3 million gsf including market rate and affordable housing dwelling units in a two-block project area in Brooklyn Community District 1. The affected project area includes two blocks bounded by Walton Street on the north, Harrison Avenue on the east, Gerry Street on the south, and Union Avenue on the west and which are separated by Wallabout Street. The affected area also includes the southern half of a 0.2-acre former mapped street (Walton Street) adjoining the two-block area; this area is expected to continue to function as a street and the rezoning would not result in any development on this area or use of development rights generated by it. The proposed zoning map amendment would rezone the affected area from M3-1 to (1) R7A, for the portion within 100 feet of Harrison Avenue; (2) R8A for the portion more than 335 feet from Harrison Avenue on the Southern Block and more than 220 feet from Harrison Avenue on the Northern Block; and (3) R7D, for the midblock portions located between the R7A and R8A districts. In addition, a C2-4 commercial overlay would be mapped over the entire two-block project area. The zoning text amendment would designate the two blocks to be a Mandatory Inclusionary Housing Area (MIHA). There also would be a legal instrument such as a Restrictive Declaration (RD) recorded against the two blocks dedicating a 26,000-sf (0.6-acre) publicly-accessible open space extending mid-block through the two blocks when the site is redeveloped.

2. Purpose of activity

The area surrounding the project area has experienced a significant trend of residential, mixed-use, and neighborhood-oriented institutional development in recent years, including both market-rate and affordable housing residential developments, some with ground floor retail or community facility uses. As this area of Williamsburg and nearby areas of Bedford-Stuyvesant and Bushwick have transformed, traditional industrial uses have declined substantially, as evidenced by their lack of active use of the project area blocks for more than 20 years.

The applicant believes that the proposed action would improve the condition of the project area and surrounding neighborhood by redeveloping vacant properties with new mixed use buildings that would complement existing uses in the area. Overall, the Applicant believes that the proposed action would be consistent with and would advance the ongoing land use trends and address demand for housing and retail space in this area of the City.

The proposed zoning map amendment from M3-1 to R7A, R7D, and R8A with C2-4 commercial overlays, together with the proposed zoning text amendment designating the project area an MIHA, would facilitate the residential, affordable housing, and mixed-use development in the applicant's proposal.

C. PROJECT LOCATION

Borough: Brooklyn Tax Block/Lot(s): Block 2249, Lots 23, 37, 41, & 122; Block 2265, Lot 14

Street Address: Includes: 60 Walton St.; 164-190 Harrison Av.; 1-57 Gerry St.; 2-44 Union Av.

Name of water body (if located on the waterfront): Not applicable.

D. REQUIRED ACTIONS OR APPROVALS

Check all that apply.

City Actions/Approvals/Funding

City Planning Commission	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<input type="checkbox"/> City Map Amendment		<input type="checkbox"/> Zoning Certification	<input type="checkbox"/> Concession
<input checked="" type="checkbox"/> Zoning Map Amendment		<input type="checkbox"/> Zoning Authorizations	<input type="checkbox"/> UDAAP
<input checked="" type="checkbox"/> Zoning Text Amendment		<input type="checkbox"/> Acquisition – Real Property	<input type="checkbox"/> Revocable Consent
<input type="checkbox"/> Site Selection – Public Facility		<input type="checkbox"/> Disposition – Real Property	<input type="checkbox"/> Franchise
<input type="checkbox"/> Housing Plan & Project		<input type="checkbox"/> Other, explain: _____	
<input type="checkbox"/> Special Permit			
(if appropriate, specify type: <input type="checkbox"/> Modification <input type="checkbox"/> Renewal <input type="checkbox"/> other) Expiration Date: _____			

Board of Standards and Appeals	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<input type="checkbox"/> Variance (use)			
<input type="checkbox"/> Variance (bulk)			
<input type="checkbox"/> Special Permit			
(if appropriate, specify type: <input type="checkbox"/> Modification <input type="checkbox"/> Renewal <input type="checkbox"/> other) Expiration Date: _____			

Other City Approvals	
<input type="checkbox"/> Legislation	<input checked="" type="checkbox"/> Funding for Construction, specify: <u>See description below under Other</u>
<input type="checkbox"/> Rulemaking	<input type="checkbox"/> Policy or Plan, specify: _____
<input type="checkbox"/> Construction of Public Facilities	<input type="checkbox"/> Funding of Program, specify: _____
<input type="checkbox"/> 384 (b) (4) Approval	<input type="checkbox"/> Permits, specify: _____
<input checked="" type="checkbox"/> Other, explain: <u>The project may involve the use of public financing for the development of permanently affordable housing.</u>	

State Actions/Approvals/Funding

<input type="checkbox"/> State permit or license, specify Agency: _____	Permit type and number: _____
<input checked="" type="checkbox"/> Funding for Construction, specify: <u>There is potential for public financing using state funds via HPD or HDC</u>	
<input type="checkbox"/> Funding of a Program, specify: _____	
<input type="checkbox"/> Other, explain: _____	

Federal Actions/Approvals/Funding

<input type="checkbox"/> Federal permit or license, specify Agency: _____	Permit type and number: _____
<input type="checkbox"/> Funding for Construction, specify: _____	
<input type="checkbox"/> Funding of a Program, specify: _____	
<input type="checkbox"/> Other, explain: _____	

Is this being reviewed in conjunction with a [Joint Application for Permits?](#) ☐ Yes ☒ No

E. LOCATION QUESTIONS

1. Does the project require a waterfront site? ☐ Yes ☒ No
2. Would the action result in a physical alteration to a waterfront site, including land along the shoreline, land under water or coastal waters? ☐ Yes ☒ No
3. Is the project located on publicly owned land or receiving public assistance? ☐ Yes ☒ No
4. Is the project located within a FEMA 1% annual chance floodplain? (6.2) ☐ Yes ☒ No
5. Is the project located within a FEMA 0.2% annual chance floodplain? (6.2) ☒ Yes ☐ No
6. Is the project located adjacent to or within a special area designation? See [Maps – Part III](#) of the NYC WRP. If so, check appropriate boxes below and evaluate policies noted in parentheses as part of WRP Policy Assessment (Section F).
 - ☐ Significant Maritime and Industrial Area (SMIA) (2.1)
 - ☐ Special Natural Waterfront Area (SNWA) (4.1)
 - ☐ Priority Martine Activity Zone (PMAZ) (3.5)
 - ☐ Recognized Ecological Complex (REC) (4.4)
 - ☐ West Shore Ecologically Sensitive Maritime and Industrial Area (ESMIA) (2.2, 4.2)

F. WRP POLICY ASSESSMENT

Review the project or action for consistency with the WRP policies. For each policy, check Promote, Hinder or Not Applicable (N/A). For more information about consistency review process and determination, see **Part I** of the [NYC Waterfront Revitalization Program](#). When assessing each policy, review the full policy language, including all sub-policies, contained within **Part II** of the WRP. The relevance of each applicable policy may vary depending upon the project type and where it is located (i.e. if it is located within one of the special area designations).

For those policies checked Promote or Hinder, provide a written statement on a separate page that assesses the effects of the proposed activity on the relevant policies or standards. If the project or action promotes a policy, explain how the action would be consistent with the goals of the policy. If it hinders a policy, consideration should be given toward any practical means of altering or modifying the project to eliminate the hindrance. Policies that would be advanced by the project should be balanced against those that would be hindered by the project. If reasonable modifications to eliminate the hindrance are not possible, consideration should be given as to whether the hindrance is of such a degree as to be substantial, and if so, those adverse effects should be mitigated to the extent practicable.

		Promote	Hinder	N/A
I	Support and facilitate commercial and residential redevelopment in areas well-suited to such development.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I.1	Encourage commercial and residential redevelopment in appropriate Coastal Zone areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I.2	Encourage non-industrial development with uses and design features that enliven the waterfront and attract the public.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
I.3	Encourage redevelopment in the Coastal Zone where public facilities and infrastructure are adequate or will be developed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I.4	In areas adjacent to SMIA's, ensure new residential development maximizes compatibility with existing adjacent maritime and industrial uses.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
I.5	Integrate consideration of climate change and sea level rise into the planning and design of waterfront residential and commercial development, pursuant to WRP Policy 6.2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		Promote	Hinder	N/A
2	Support water-dependent and industrial uses in New York City coastal areas that are well-suited to their continued operation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.1	Promote water-dependent and industrial uses in Significant Maritime and Industrial Areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.2	Encourage a compatible relationship between working waterfront uses, upland development and natural resources within the Ecologically Sensitive Maritime and Industrial Area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.3	Encourage working waterfront uses at appropriate sites outside the Significant Maritime and Industrial Areas or Ecologically Sensitive Maritime Industrial Area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.4	Provide infrastructure improvements necessary to support working waterfront uses.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.5	Incorporate consideration of climate change and sea level rise into the planning and design of waterfront industrial development and infrastructure, pursuant to WRP Policy 6.2.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Promote use of New York City's waterways for commercial and recreational boating and water-dependent transportation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.1.	Support and encourage in-water recreational activities in suitable locations.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Support and encourage recreational, educational and commercial boating in New York City's maritime centers.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.3	Minimize conflicts between recreational boating and commercial ship operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.4	Minimize impact of commercial and recreational boating activities on the aquatic environment and surrounding land and water uses.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	In Priority Marine Activity Zones, support the ongoing maintenance of maritime infrastructure for water-dependent uses.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Protect and restore the quality and function of ecological systems within the New York City coastal area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.1	Protect and restore the ecological quality and component habitats and resources within the Special Natural Waterfront Areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2	Protect and restore the ecological quality and component habitats and resources within the Ecologically Sensitive Maritime and Industrial Area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.3	Protect designated Significant Coastal Fish and Wildlife Habitats.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.4	Identify, remediate and restore ecological functions within Recognized Ecological Complexes.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.5	Protect and restore tidal and freshwater wetlands.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.6	In addition to wetlands, seek opportunities to create a mosaic of habitats with high ecological value and function that provide environmental and societal benefits. Restoration should strive to incorporate multiple habitat characteristics to achieve the greatest ecological benefit at a single location.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.7	Protect vulnerable plant, fish and wildlife species, and rare ecological communities. Design and develop land and water uses to maximize their integration or compatibility with the identified ecological community.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.8	Maintain and protect living aquatic resources.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

		Promote	Hinder	N/A
5	Protect and improve water quality in the New York City coastal area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.1	Manage direct or indirect discharges to waterbodies.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.2	Protect the quality of New York City's waters by managing activities that generate nonpoint source pollution.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.3	Protect water quality when excavating or placing fill in navigable waters and in or near marshes, estuaries, tidal marshes, and wetlands.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.4	Protect the quality and quantity of groundwater, streams, and the sources of water for wetlands.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.5	Protect and improve water quality through cost-effective grey-infrastructure and in-water ecological strategies.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Minimize loss of life, structures, infrastructure, and natural resources caused by flooding and erosion, and increase resilience to future conditions created by climate change.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.1	Minimize losses from flooding and erosion by employing non-structural and structural management measures appropriate to the site, the use of the property to be protected, and the surrounding area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.2	Integrate consideration of the latest New York City projections of climate change and sea level rise (as published in <i>New York City Panel on Climate Change 2015 Report, Chapter 2: Sea Level Rise and Coastal Storms</i>) into the planning and design of projects in the city's Coastal Zone.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.3	Direct public funding for flood prevention or erosion control measures to those locations where the investment will yield significant public benefit.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.4	Protect and preserve non-renewable sources of sand for beach nourishment.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Minimize environmental degradation and negative impacts on public health from solid waste, toxic pollutants, hazardous materials, and industrial materials that may pose risks to the environment and public health and safety.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.1	Manage solid waste material, hazardous wastes, toxic pollutants, substances hazardous to the environment, and the unenclosed storage of industrial materials to protect public health, control pollution and prevent degradation of coastal ecosystems.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.2	Prevent and remediate discharge of petroleum products.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.3	Transport solid waste and hazardous materials and site solid and hazardous waste facilities in a manner that minimizes potential degradation of coastal resources.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8	Provide public access to, from, and along New York City's coastal waters.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.1	Preserve, protect, maintain, and enhance physical, visual and recreational access to the waterfront.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.2	Incorporate public access into new public and private development where compatible with proposed land use and coastal location.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.3	Provide visual access to the waterfront where physically practical.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.4	Preserve and develop waterfront open space and recreation on publicly owned land at suitable locations.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

		Promote	Hinder	N/A
8.5	Preserve the public interest in and use of lands and waters held in public trust by the State and City.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.6	Design waterfront public spaces to encourage the waterfront's identity and encourage stewardship.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Protect scenic resources that contribute to the visual quality of the New York City coastal area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.1	Protect and improve visual quality associated with New York City's urban context and the historic and working waterfront.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.2	Protect and enhance scenic values associated with natural resources.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	Protect, preserve, and enhance resources significant to the historical, archaeological, architectural, and cultural legacy of the New York City coastal area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10.1	Retain and preserve historic resources, and enhance resources significant to the coastal culture of New York City.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10.2	Protect and preserve archaeological resources and artifacts.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

G. CERTIFICATION

The applicant or agent must certify that the proposed activity is consistent with New York City's approved Local Waterfront Revitalization Program, pursuant to New York State's Coastal Management Program. If this certification cannot be made, the proposed activity shall not be undertaken. If this certification can be made, complete this Section.

"The proposed activity complies with New York State's approved Coastal Management Program as expressed in New York City's approved Local Waterfront Revitalization Program, pursuant to New York State's Coastal Management Program, and will be conducted in a manner consistent with such program."

Applicant/Agent's Name: Harrison Realty LLC; Raymond Levin, Esq.

Address: 61 Broadway, Suite 1801

Telephone: 212.391.8045 Email: rlevin@slaterbeckerman.com

Applicant/Agent's Signature: 

Date: 5-17-17

		Promote	Hinder	N/A
8.5	Preserve the public interest in and use of lands and waters held in public trust by the State and City.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.6	Design waterfront public spaces to encourage the waterfront's identity and encourage stewardship.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Protect scenic resources that contribute to the visual quality of the New York City coastal area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.1	Protect and improve visual quality associated with New York City's urban context and the historic and working waterfront.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.2	Protect and enhance scenic values associated with natural resources.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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G. CERTIFICATION

The applicant or agent must certify that the proposed activity is consistent with New York City's approved Local Waterfront Revitalization Program, pursuant to New York State's Coastal Management Program. If this certification cannot be made, the proposed activity shall not be undertaken. If this certification can be made, complete this Section.

"The proposed activity complies with New York State's approved Coastal Management Program as expressed in New York City's approved Local Waterfront Revitalization Program, pursuant to New York State's Coastal Management Program, and will be conducted in a manner consistent with such program."

Applicant/Agent's Name: Harrison Realty LLC; Raymond Levin, Esq.

Address: 61 Broadway, Suite 1801

Telephone: 212.391.8045 Email: rlevin@slaterbeckerman.com

Applicant/Agent's Signature: _____

Date: _____

NYC Waterfront Revitalization Program - Policy 6.2 Flood Elevation Worksheet

COMPLETE INSTRUCTIONS ON HOW TO USE THIS WORKSHEET ARE PROVIDED IN THE "CLIMATE CHANGE ADAPTATION GUIDANCE" DOCUMENT AVAILABLE AT www.nyc.gov/wrp

Enter information about the project and site in highlighted cells in Tabs 1-3. HighTab 4 contains primary results. Tab 5, "Future Flood Level Projections" contains background computations. The remaining tabs contain additional results, to be used as relevant. Non-highlighted cells have been locked.

Background Information	
Project Name	Pfizer Sites Rezoning
Location	Two-block area bounded by Walton St., Harrison Ave., Gerry St., and Union Ave. Blocks 2249 (east) and 2265.
Type(s)	<input checked="" type="checkbox"/> Residential, Commercial, Community Facility <input checked="" type="checkbox"/> Parkland, Open Space, and Natural Areas <input type="checkbox"/> Tidal Wetland Restoration <input type="checkbox"/> Critical Infrastructure or Facility <input type="checkbox"/> Industrial Uses <input type="checkbox"/> Over-water Structures <input type="checkbox"/> Shoreline Structures <input type="checkbox"/> Transportation <input type="checkbox"/> Wastewater Treatment/Drainage <input type="checkbox"/> Coastal Protection
Description	The applicant is proposing zoning map and text amendments to facilitate the development of mid-rise, mixed residential-commercial buildings, in a two-block project area in Brooklyn Community District 1. The reasonable worst-case development scenario (RWCDs) for the proposed action includes 1,147 dwelling units (DUs), including up to approximately 344 inclusionary housing DUs, 64,807 gsf of local retail, 427 accessory parking spaces, and a 0.6-acre publicly-accessible open space. The project area is currently vacant apart from temporary equipment/vehicle storage.
Planned Completion date	2019

The New York City Waterfront Revitalization Program Climate Change Adaptation Guidance document was developed by the NYC Department of City Planning. It is a guidance document only and is not intended to serve as a substitute for actual regulations. The City disclaims any liability for errors that may be contained herein and shall not be responsible for any damages, consequential or actual, arising out of or in connection with the use of this information. The City reserves the right to update or correct information in this guidance document at any time and without notice.

For technical assistance on using this worksheet, email wrp@planning.nyc.gov, using the message subject "Policy 6.2 Worksheet Error."

Last update: June 7, 2017

Establish current tidal and flood heights.

	FT (NAVD88)	Feet	Datum	Source
MHHW	2.14	2.14	NAVD88	NOAA Tides & Currents, Williamsburg Bridge
1% flood height	11.00	11.00	NAVD88	2015 FEMA pFIRMS for nearest 1% flood zone (½-mi.)
As relevant:				
0.2% flood height	13.00	13.00	NAVD88	Estimate based on 1% flood height
MHW	1.81	1.81	NAVD88	NOAA Tides & Currents, Williamsburg Bridge
MSL	-0.22	-0.22	NAVD88	NOAA Tides & Currents, Williamsburg Bridge
MLLW	-2.61	-2.61	NAVD88	NOAA Tides & Currents, Williamsburg Bridge

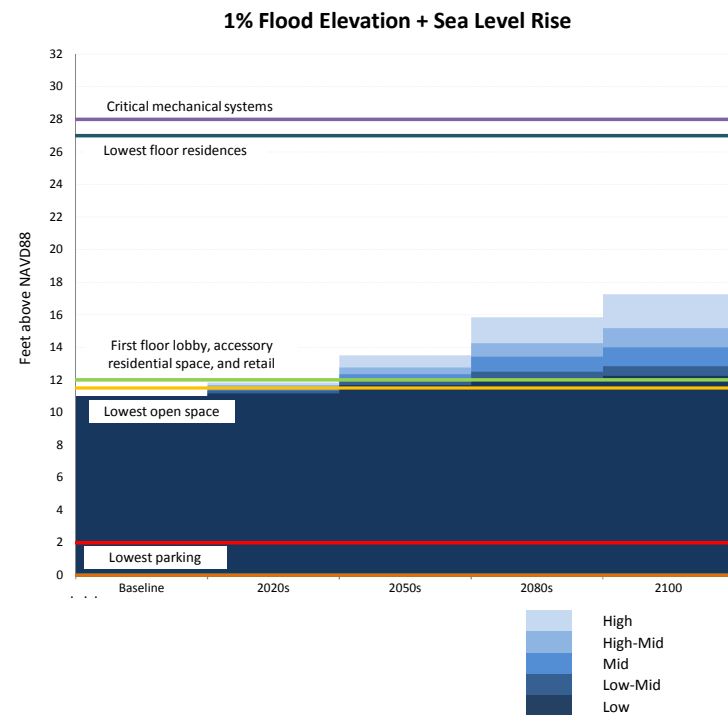
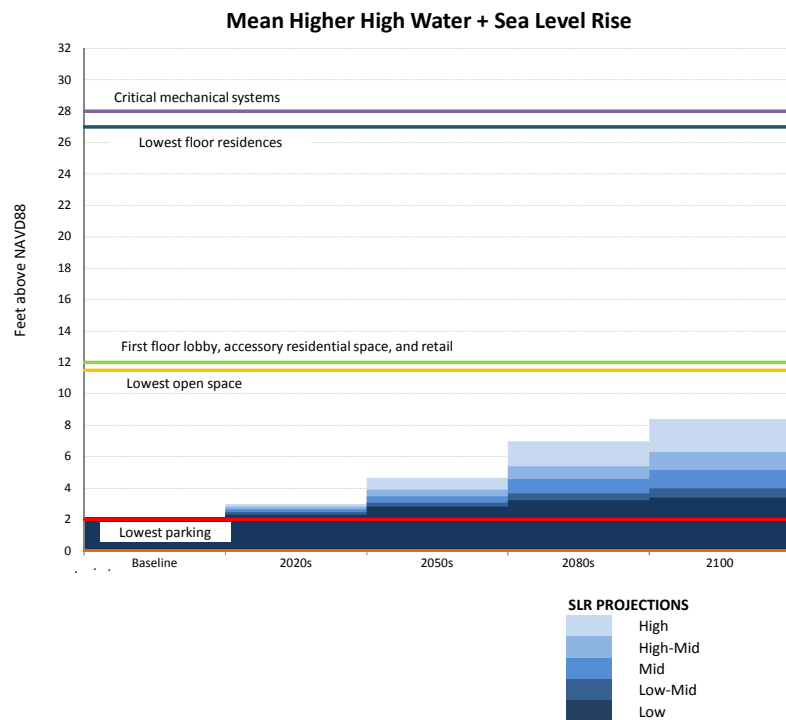
Data will be converted based on the following datums:

Datum	FT (NAVD88)
NAVD88	0.00
NGVD29	-1.10
Manhattan Datum	1.65
Bronx Datum	1.51
Brooklyn Datum (Sewer)	0.61
Brooklyn Datum (Highway)	1.45
Queens Datum	1.63
Richmond Datum	2.09
Station	0.00
MLLW	

Describe key physical features of the project.

Feature <i>(enter name)</i>	Feature Category				Lifespan	Elevation	Units	Datum	Ft	Ft Above NAVD88	Ft Above MHHW	Ft Above 1% flood height	Ft Above 0.2% flood height
A	<input checked="" type="checkbox"/> Vulnerable	<input type="checkbox"/> Critical	<input type="checkbox"/> Potentially Hazardous	<input type="checkbox"/> Other	2080	2.0	Feet	NAVD88	2.0	2.0	-0.1	-9.0	-11.0
Lowest parking (1 level below-grade)													
B	<input type="checkbox"/> Vulnerable	<input type="checkbox"/> Critical	<input type="checkbox"/> Potentially Hazardous	<input checked="" type="checkbox"/> Other	2080	11.5	Feet	NAVD88	11.5	11.5	9.4	0.5	-1.5
Lowest open space. NB: open space expected to be same elevation as first floor, but to be conservative and facilitate chart display, 0.5-foot below first floor elevation indicated.													
C	<input checked="" type="checkbox"/> Vulnerable	<input type="checkbox"/> Critical	<input type="checkbox"/> Potentially Hazardous	<input type="checkbox"/> Other	2080	12.0	Feet	NAVD88	12.0	12.0	9.9	1.0	-1.0
First floor lobby, accessory residential space, and retail													
D	<input checked="" type="checkbox"/> Vulnerable	<input type="checkbox"/> Critical	<input type="checkbox"/> Potentially Hazardous	<input type="checkbox"/> Other	2080	27.0	Feet	NAVD88	27.0	27.0	24.9	16.0	14.0
Lowest floor residences (second floor)													
E	<input type="checkbox"/> Vulnerable	<input checked="" type="checkbox"/> Critical	<input type="checkbox"/> Potentially Hazardous	<input type="checkbox"/> Other	2080	28.0	Feet	NAVD88	28.0	28.0	25.9	17.0	15.0
Critical mechanical systems. NB: expected to be on roof, at elevation +157, but to be conservative and faciliate graph display 1-foot above sencond floor is indicated.													
F	<input type="checkbox"/> Vulnerable	<input type="checkbox"/> Critical	<input type="checkbox"/> Potentially Hazardous	<input type="checkbox"/> Other			Feet	NAVD88					
Description of Planned Uses and Materials													
G	<input type="checkbox"/> Vulnerable	<input type="checkbox"/> Critical	<input type="checkbox"/> Potentially Hazardous	<input type="checkbox"/> Other			Feet	NAVD88					
Description of Planned Uses and Materials													
H	<input type="checkbox"/> Vulnerable	<input type="checkbox"/> Critical	<input checked="" type="checkbox"/> Potentially Hazardous	<input type="checkbox"/> Other			Feet	NAVD88					
Description of Planned Uses and Materials													

Assess project vulnerability over a range of sea level rise projections.



	SLR (ft)					
	Low	Low-Mid	Mid	High-Mid	High	
Baseline	0.00	0.00	0.00	0.00	0.00	2014
2020s	0.17	0.33	0.50	0.67	0.83	2020s
2050s	0.67	0.92	1.33	1.75	2.50	2050s
2080s	1.08	1.50	2.42	3.25	4.83	2080s
2100	1.25	1.83	3.00	4.17	6.25	2100

MHHW+SLR (ft above NAVD88)

	Low	Low-Mid	Mid	High-Mid	High	
Baseline	2.14	2.14	2.14	2.14	2.14	Baseline
2020s	2.31	2.47	2.64	2.81	2.97	2020s
2050s	2.81	3.06	3.47	3.89	4.64	2050s
2080s	3.22	3.64	4.56	5.39	6.97	2080s
2100	3.39	3.97	5.14	6.31	8.39	2100

1%+SLR (ft above NAVD88)

	Low	Low-Mid	Mid	High-Mid	High	
Baseline	11.00	11.00	11.00	11.00	11.00	Baseline
2020s	11.17	11.33	11.50	11.67	11.83	2020s
2050s	11.67	11.92	12.33	12.75	13.50	2050s
2080s	12.08	12.50	13.42	14.25	15.83	2080s
2100	12.25	12.83	14.00	15.17	17.25	2100

0.2%+SLR (ft above NAVD88)

	Low	Low-Mid	Mid	High-Mid	High
Baseline	13.00	13.00	13.00	13.00	13.00
2020s	13.17	13.33	13.50	13.67	13.83
2050s	13.67	13.92	14.33	14.75	15.50
2080s	14.08	14.50	15.42	16.25	17.83
2100	14.25	14.83	16.00	17.17	19.25

	0	1
A	2	2
B	12	11.5
C	12	12
D	27	27
E	28	28
F	0	0
G	0	0
H	0	0

SLR (in)					
Low	Low-Mid		Mid	High-Mid	High
	0	0	0	0	0
	2	4	6	8	10
	8	11	16	21	30
	13	18	29	39	58
	15	22	36	50	75

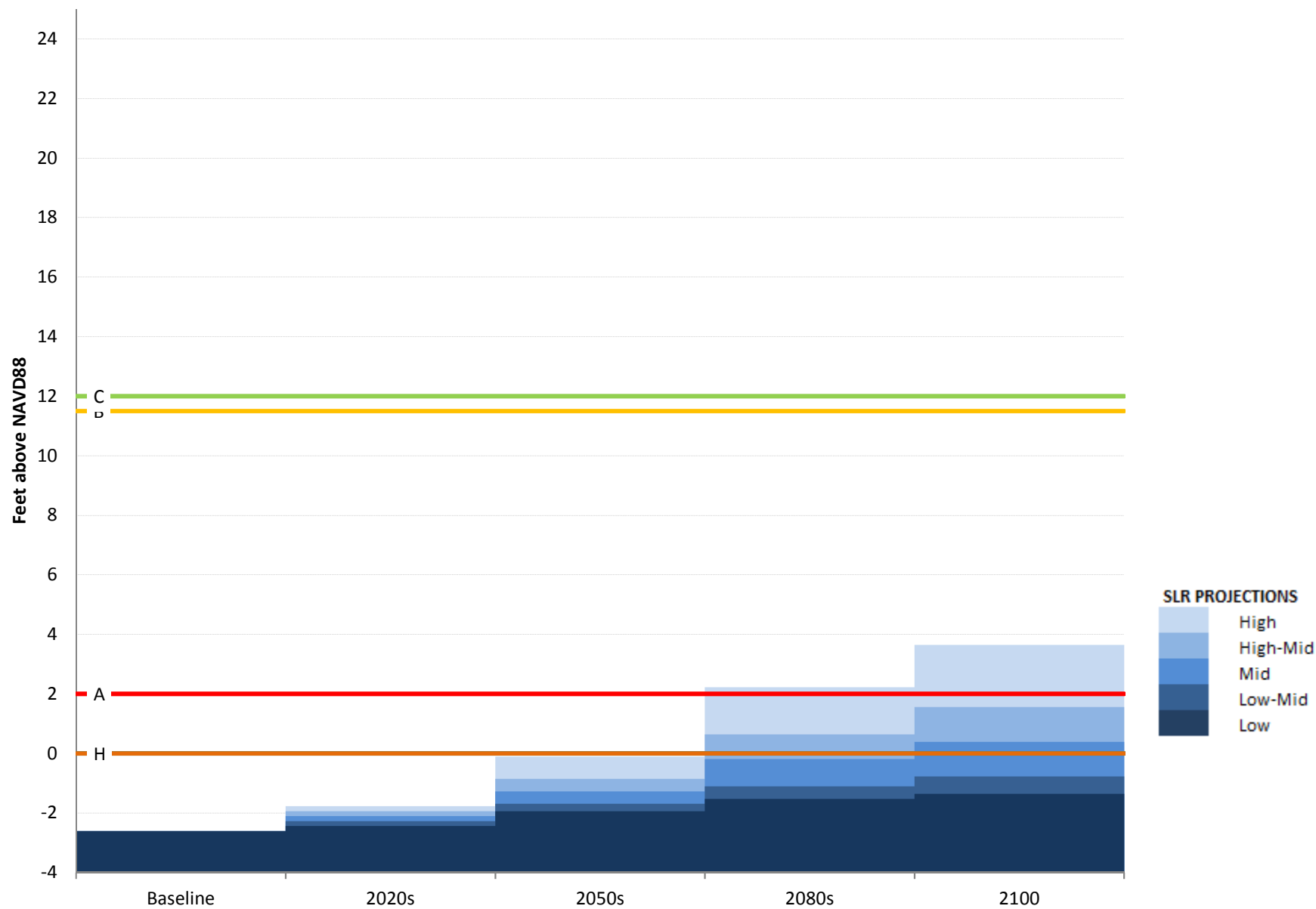
MLLW+SLR (ft above NAVD88)

Low	Low-Mid		Mid	High-Mid	High
	-2.61	-2.61	-2.61	-2.61	-2.61
	-2.44	-2.28	-2.11	-1.94	-1.78
	-1.94	-1.69	-1.28	-0.86	-0.11
	-1.53	-1.11	-0.19	0.64	2.22
	-1.36	-0.78	0.39	1.56	3.64

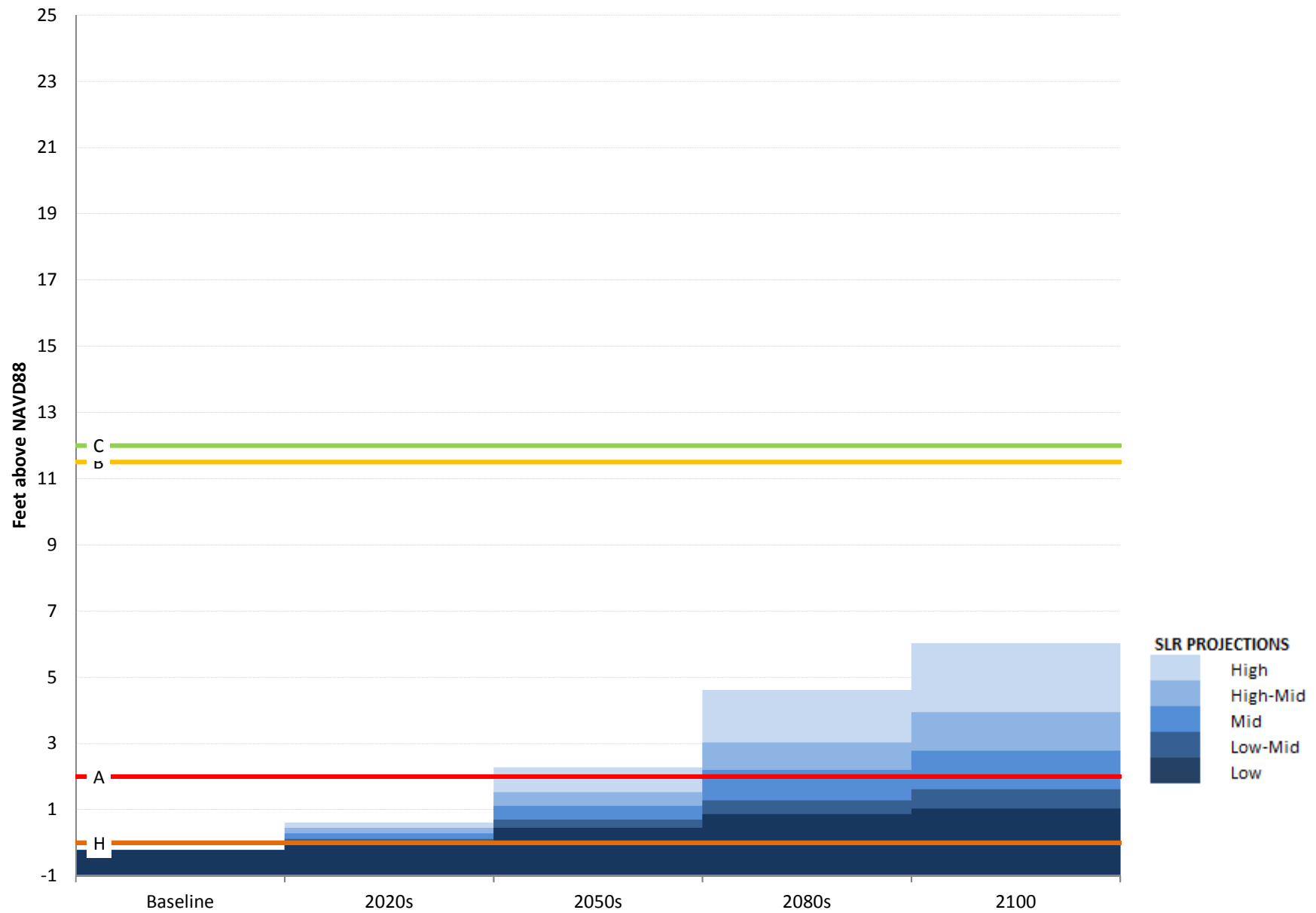
MSL+SLR (ft above NAVD88)

Low	Low-Mid		Mid	High-Mid	High
	-0.22	-0.22	-0.22	-0.22	-0.22
	-0.05	0.11	0.28	0.45	0.61
	0.45	0.70	1.11	1.53	2.28
	0.86	1.28	2.20	3.03	4.61
	1.03	1.61	2.78	3.95	6.03

Mean Lower Low Water + Sea Level Rise



Mean Sea Level + Sea Level Rise



0.2% Flood Elevation + Sea Level Rise

