#### 2021 CLIMATE SUMMIT **New Hampshire Coastal Adaptation Workgroup**

## PRESCOTT PARK'S **RESILIENCY STRATEGY**

May 26, 2021 @ 3:00 PM

TODAY'S TOPICS: • 2017 Master Plan Resiliency Strategy



# Current Flooding Conditions Updated 2020 Master Plan

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#### MAX FLOOD ELEVATION: 10.2' NAVD88

#### INUNDATION DEPTHS:

#### 0 - 0.5 FT. 0.5 FT. - 1 FT. 1 FT. - 2 FT. 2 FT. - 3 FT. 3 FT. - 4 FT. 5 FT +

Scale In Feet

300

THE OWNER

FINTER P

300

### **STORMWATER FLOODING IMPACTS**



Source: Climate change projections for Portsmouth by Dr. Cameron Wake as part of NHDES publication on New Hampshire Coastal Flood Risk Summary Part 1: Science, released September 3rd, 2019



### **RESILIENCY STRATEGY**



#### PROTECT

**PROTECT** THE PARK BY IMPROVING SEA WALL INFRASTRUCTURE, ADDING TIDE GATES, AND MANAGING ON-SITE STORMWATER

#### RETREAT

**RETREAT** FROM SEA LEVEL RISE **BY RAISING & SHIFTING THE SHAW** TO A HIGHER ELEVATION TOWARDS MARCY STREET

#### ACCOMMODATE

**ACCOMMODATE** FOR FLOODING BY CREATING TEMPORARY ABOVE **GROUND STORMWATER HOLDING DURING PEAK STORM EVENTS** 

### **PROPOSED INTERVENTIONS**



ALL EXISTING OUTFALLS WILL HAVE TIDE GATES IF NOT ALREADY IN PLACE.

### **PROPOSED INTERVENTIONS**



### **PROJECTED IMPROVEMENTS**

#### **10-YR FLOOD UNDER PROPOSED CONDITIONS**



#### **10-YR FLOOD UNDER EXISTING CONDITIONS**







#### **KEY TAKEAWAYS:**

- Protect by adjusting sea walls and improving critical infrastructure.
- Retreat by moving and raising important maritime architecture.
- Accommodate by regrading and creating preferential flood pathways and temporary above ground stormwater storage.

### Thank You! Questions & Comments?

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