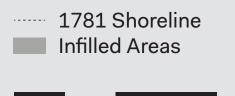
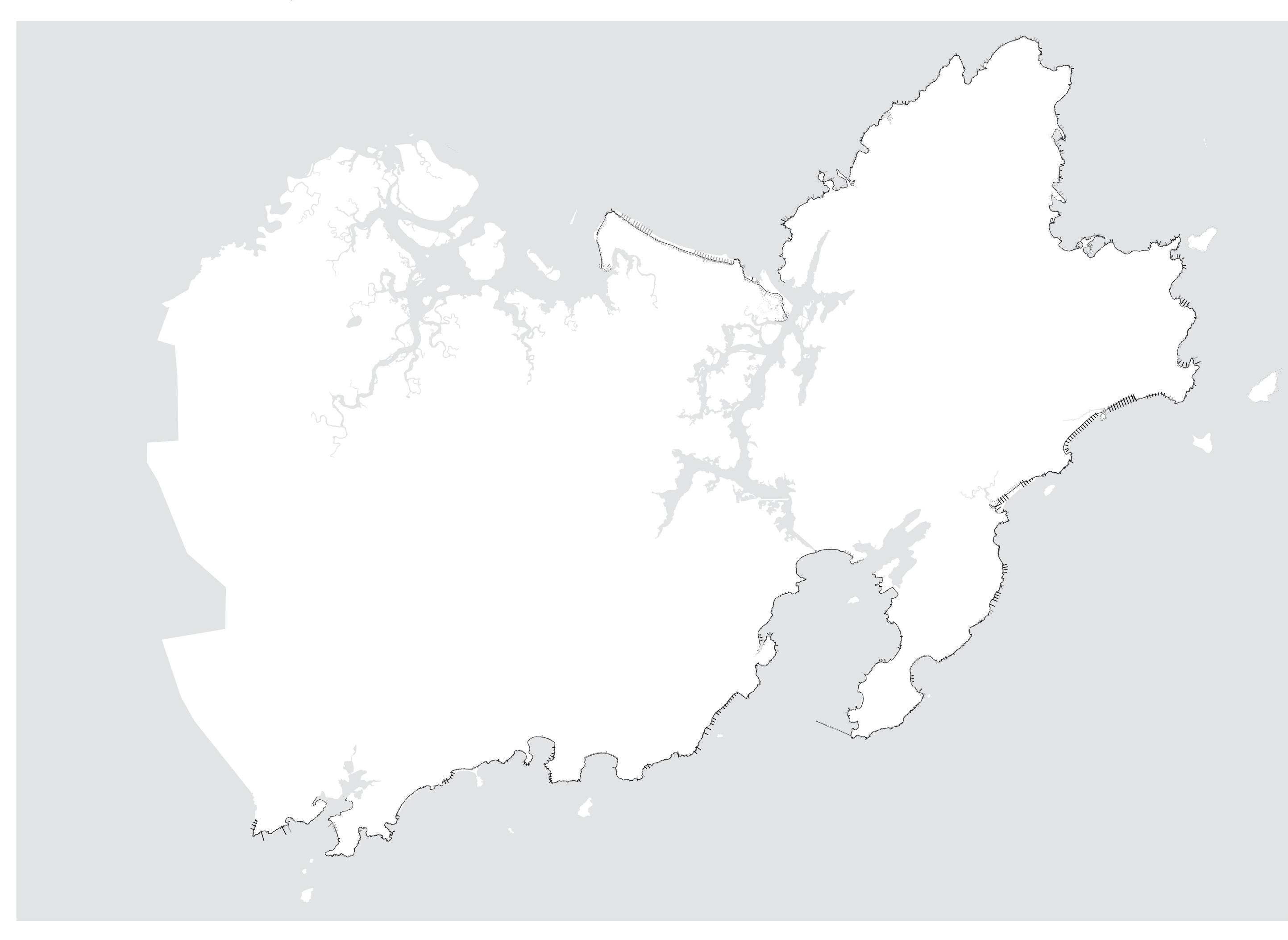


### **Historic Infill**



0 0.25 0.5 1 Miles





#### **Coastal Erosion**

AccretingEroding

## High Water Line

	Preser	nt	
	2009		
	1994		
	1982		
	1969		
	1938		
	1897		
			• (
0	0.25 0.	5	1 Miles





### FEMA Flood Zones

A	1% Annual Chance of Flooding, no BFE
AE	1% Annual Chance of Flooding, with BFE
AO	1% Annual Chance of 1-3ft Sheet Flow Flooding
VE	High Risk Coastal Area
Х	0.2% Annual Chance of Flooding
	N

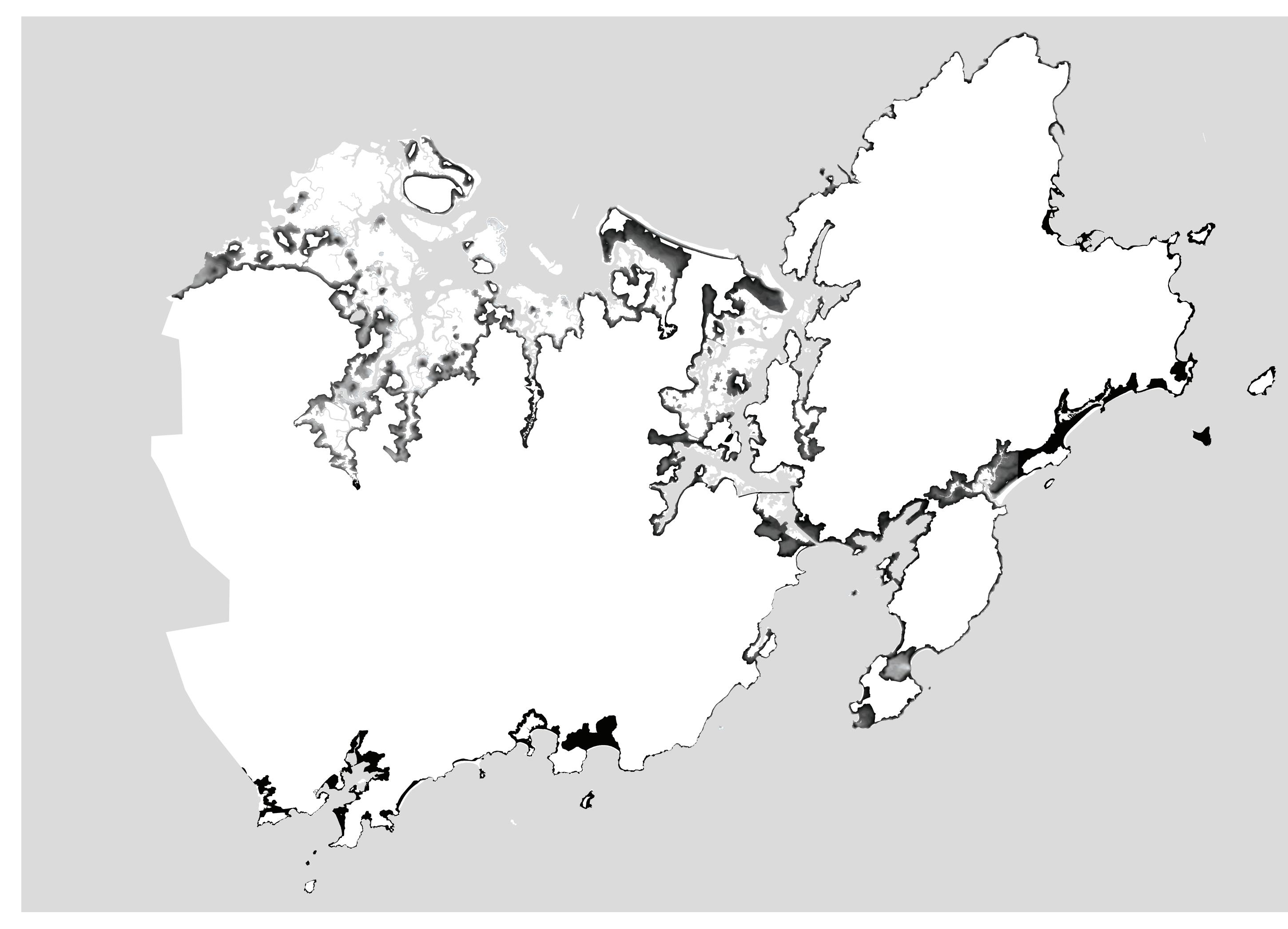
0 0.25 0.5 1 Miles



#### 2030 Storm Surge Inundation

1% Probability Model, 2030, Woods Hole Group MA Coastal Flood Risk Model





#### 2070 Design Flood Elevation

1% Probability Model, 2070, Woods Hole Group MA Coastal Flood Risk Model







Total Property Value Floodplain Parcels: \$532,158,000

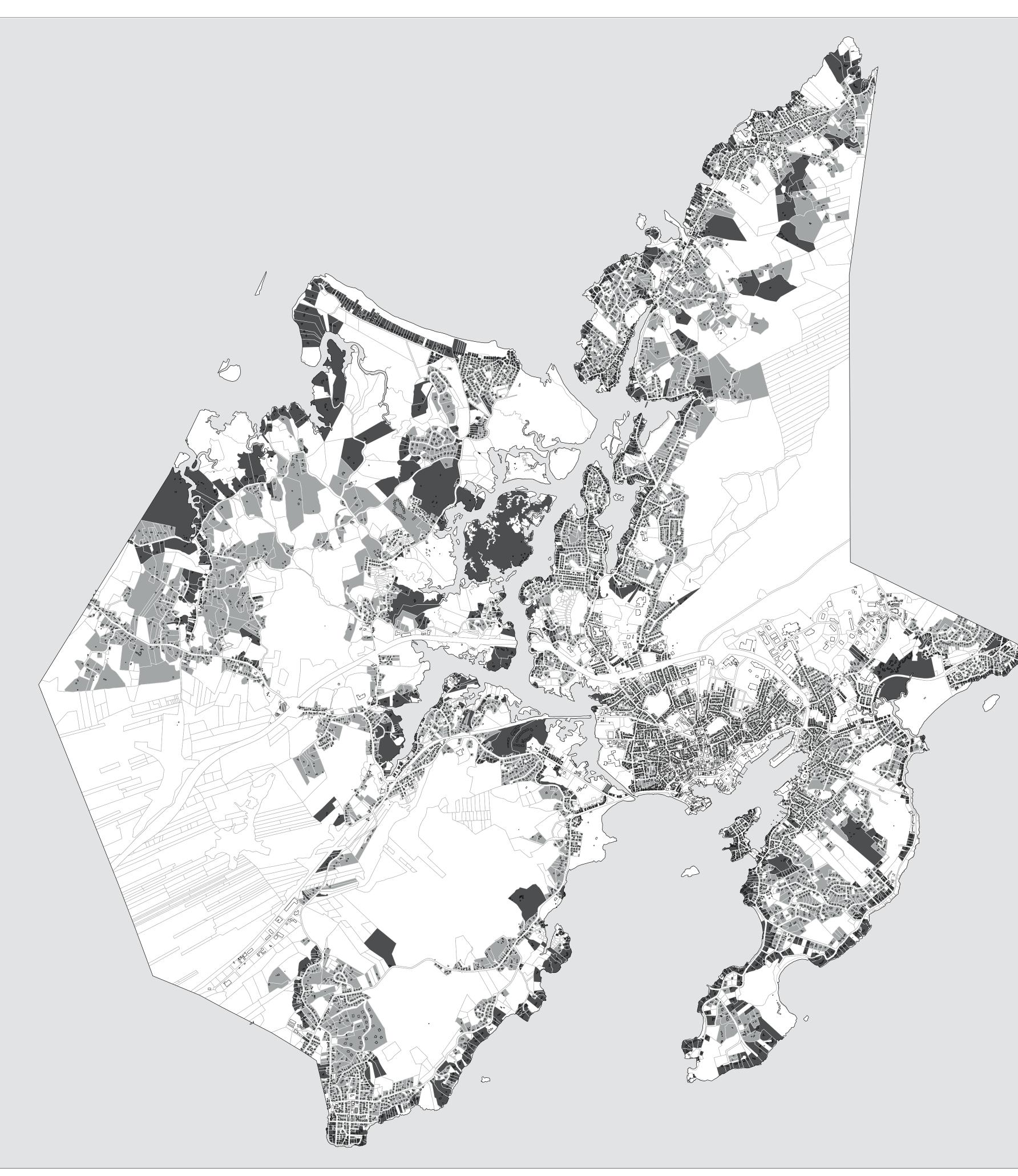
201 Resi. Structures in Floodplain

870 Resi. Structures in Floodplain

Residential Structures and **FEMA** National Flood Hazard (NFHL) FEMA NFLH (all categories)

Resi. Structures in Floodplain





#### Gloucester Residential Parcels and FEMA National Flood Hazard

Total Value of Residential Parcels in Floodplain: \$1,898,993,100

1769 Residential Parcels in Floodplain 18% of Residential Parcels in Floodplain

**Residential Parcels** 

- Out of Floodplain (NFHL)
- In Floodplain (NFHL, all categories)

( | )

0 0.25 0.5 1 Miles



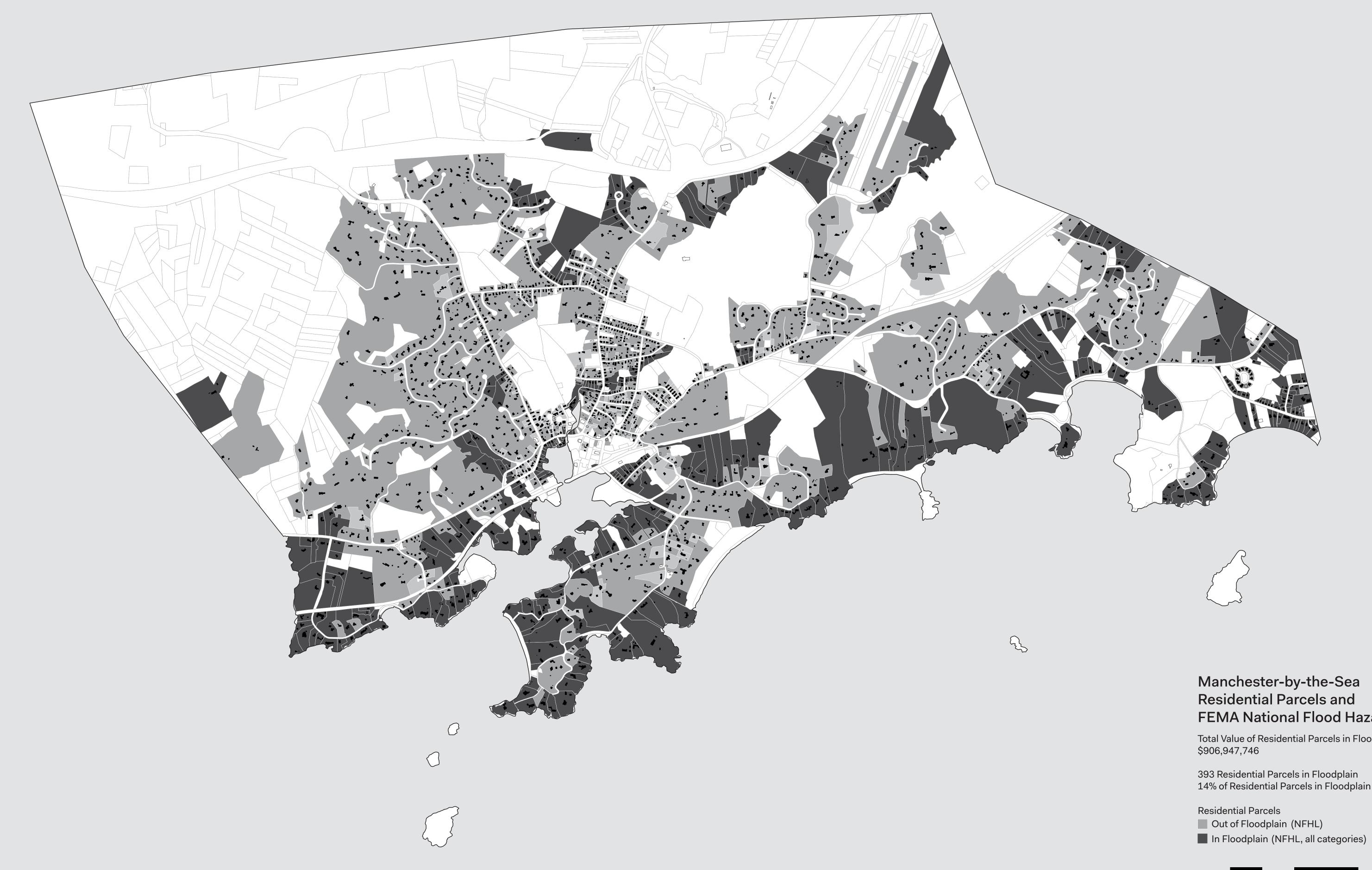
# Rockport Residential Parcels and **FEMA National Flood Hazard**

Total Value of Residential Parcels in Floodplain: \$532,158,000

497 Residential Parcels in Floodplain 16% of Residential Parcels in Floodplain

**Residential Parcels** Out of Floodplain (NFHL) In Floodplain (NFHL, all categories)

( |



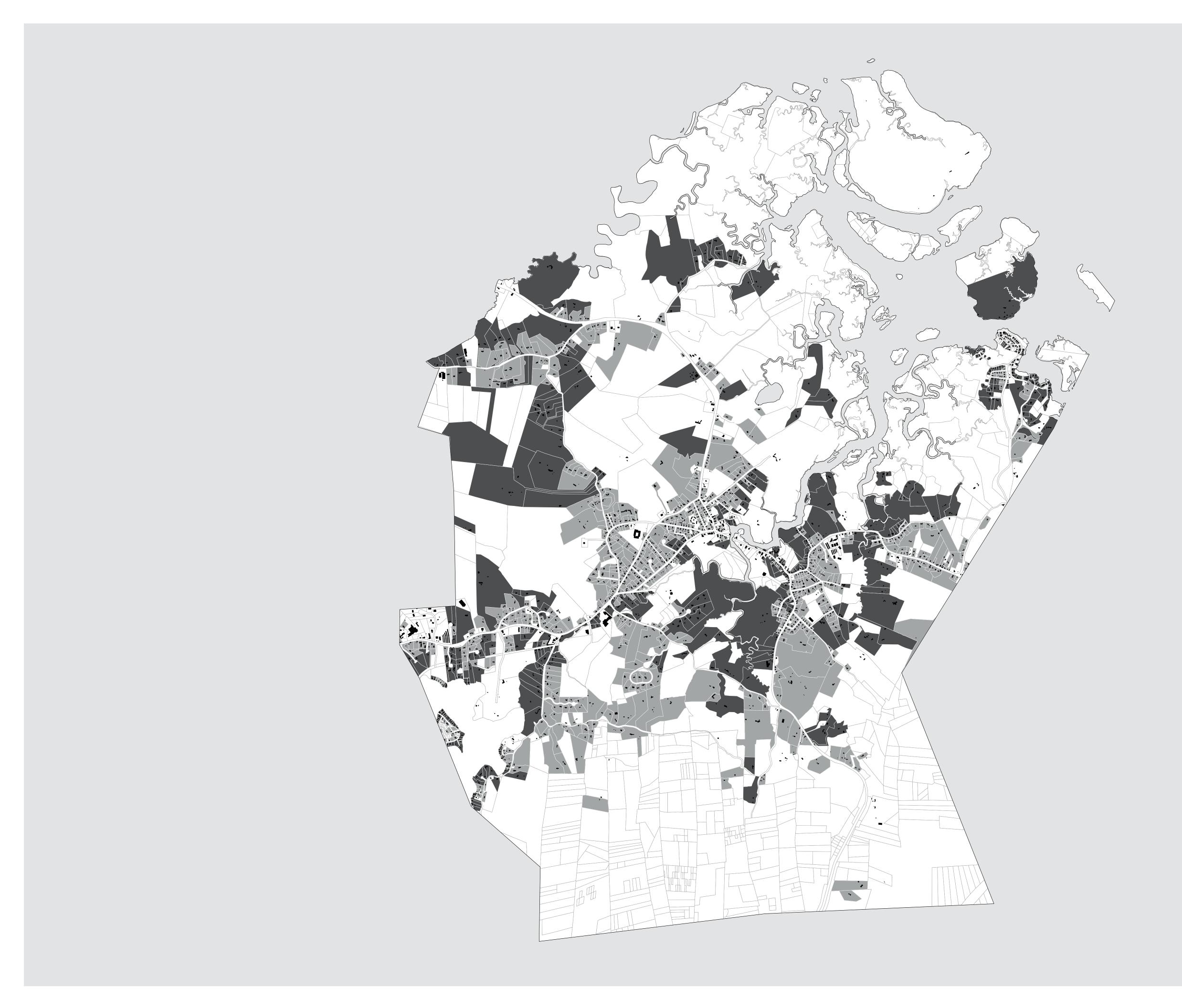
#### Manchester-by-the-Sea **Residential Parcels and FEMA National Flood Hazard**

Total Value of Residential Parcels in Floodplain: \$906,947,746

393 Residential Parcels in Floodplain 14% of Residential Parcels in Floodplain

0 0.13 0.25

0.5 Miles



#### Essex Residential Parcels and FEMA National Flood Hazard

Total Value of Residential Parcels in Floodplain: \$321,007,343

420 Residential Parcels in Floodplain 33% of Residential Parcels in Floodplain

Residential Parcels
Out of Floodplain (NFHL)

In Floodplain (NFHL, all categories)

0 0.25 0.5

1 Miles