

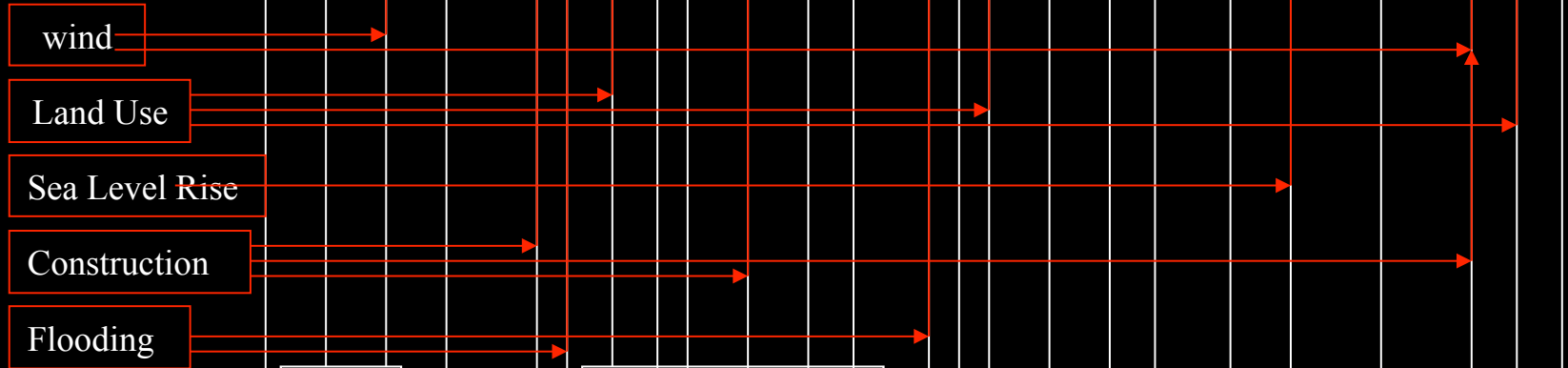
Ecosystem Mosaic

Shell midden
Rich mesophytic forest
Oak tulip tree forest
Pitch pine-scrub oak barrens
Rocky headwater stream
Eutrophic dimictic lake
Coastal plain pond
Chestnut oak forest

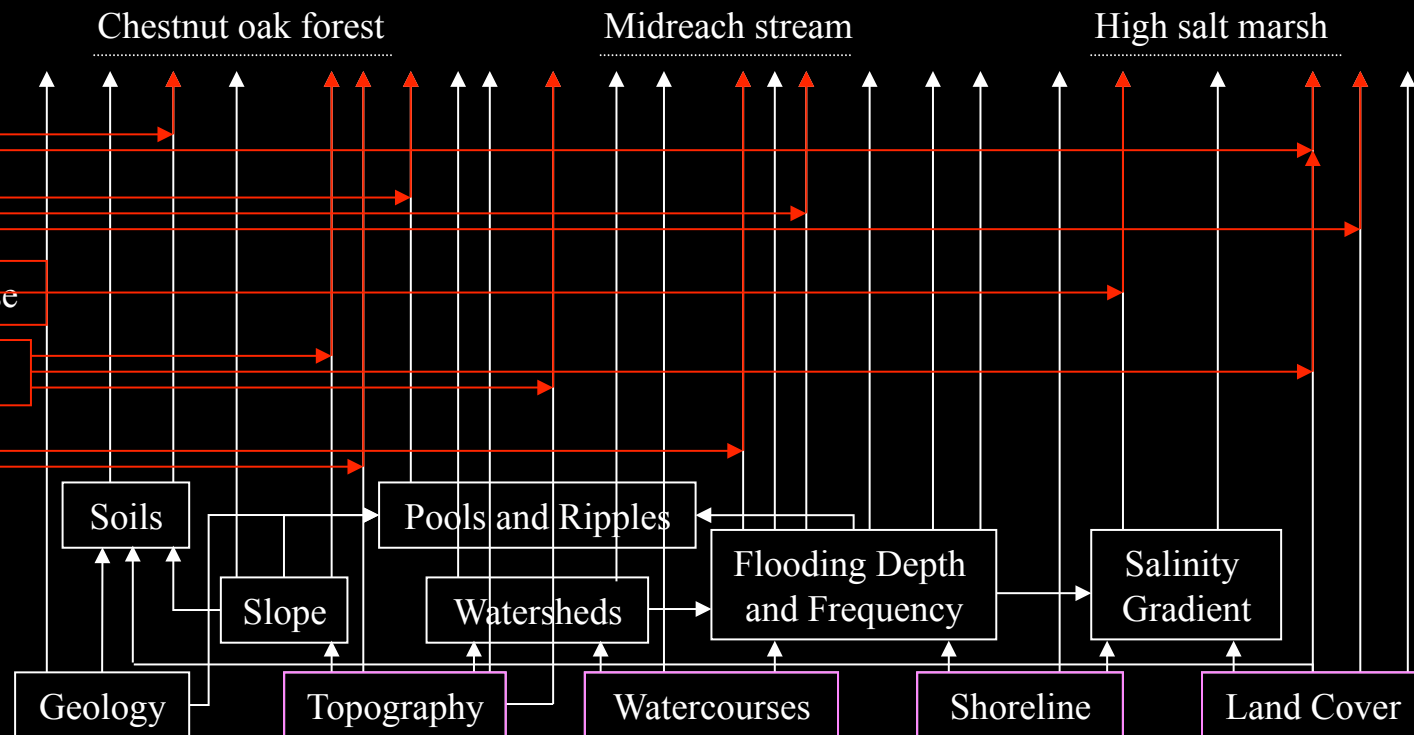
Lenape successional field
Lenape agriculture
Hempstead Plains grassland
Red maple hardwood swamp
Shallow emergent marsh
Brackish tidal marsh
Marine deepwater
Midreach stream

Lenape village
Vernal pool
Shrub swamp
Maritime dunes
Maritime beach
Eelgrass meadow
High salt marsh

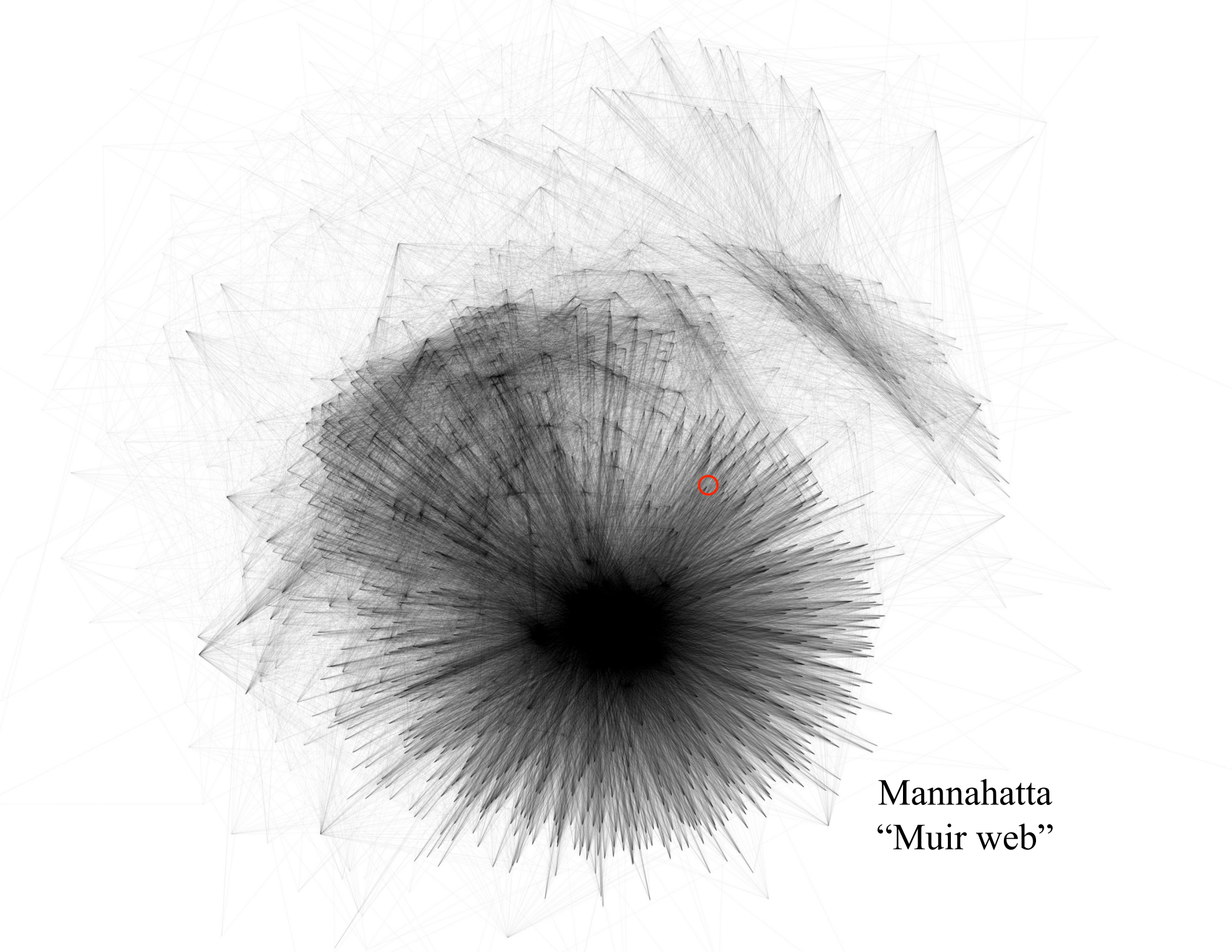
Disturbance



Physical Factors







Mannahatta
“Muir web”

Humanity

Nature



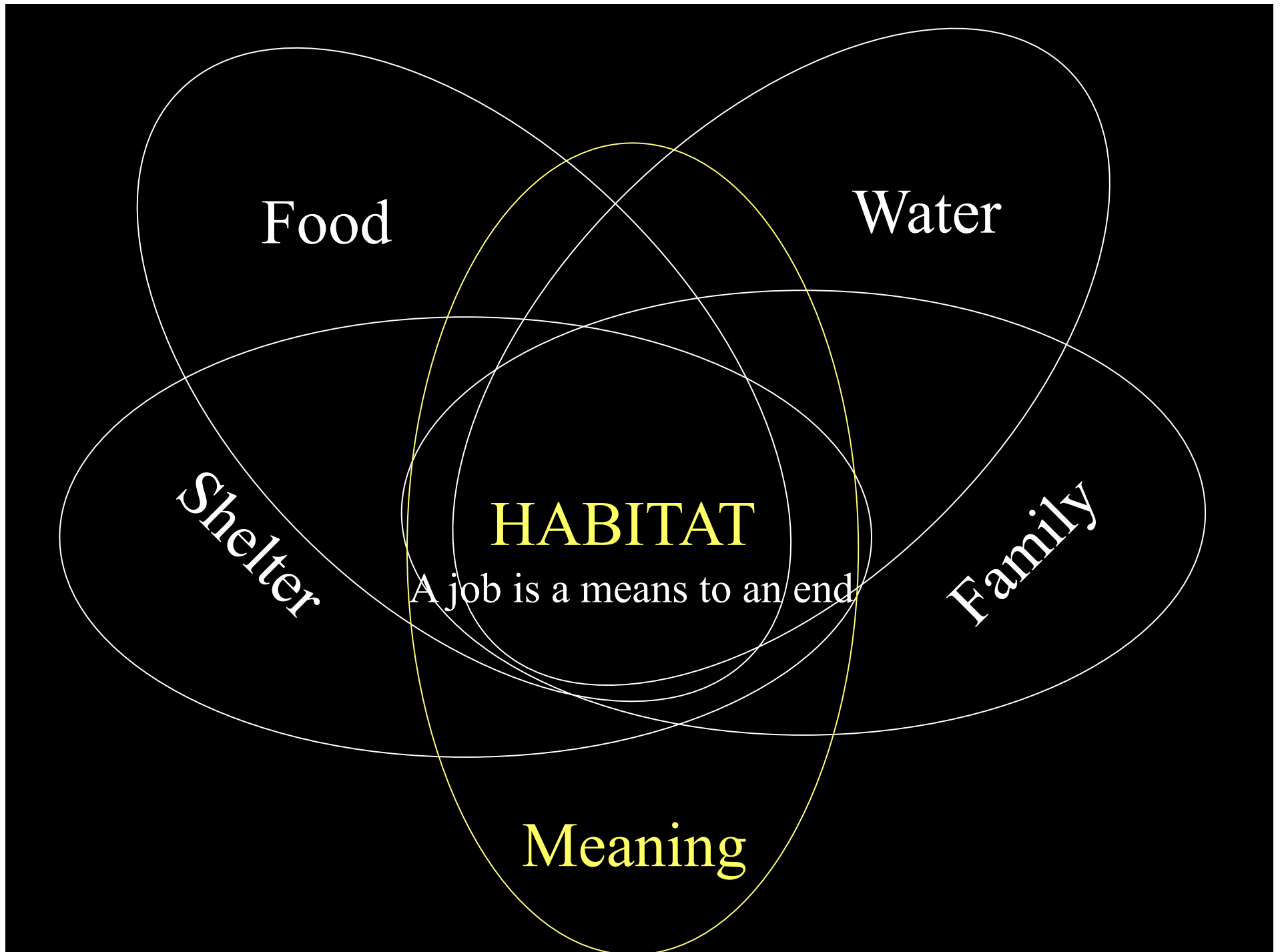
Humanity Nature

Nature

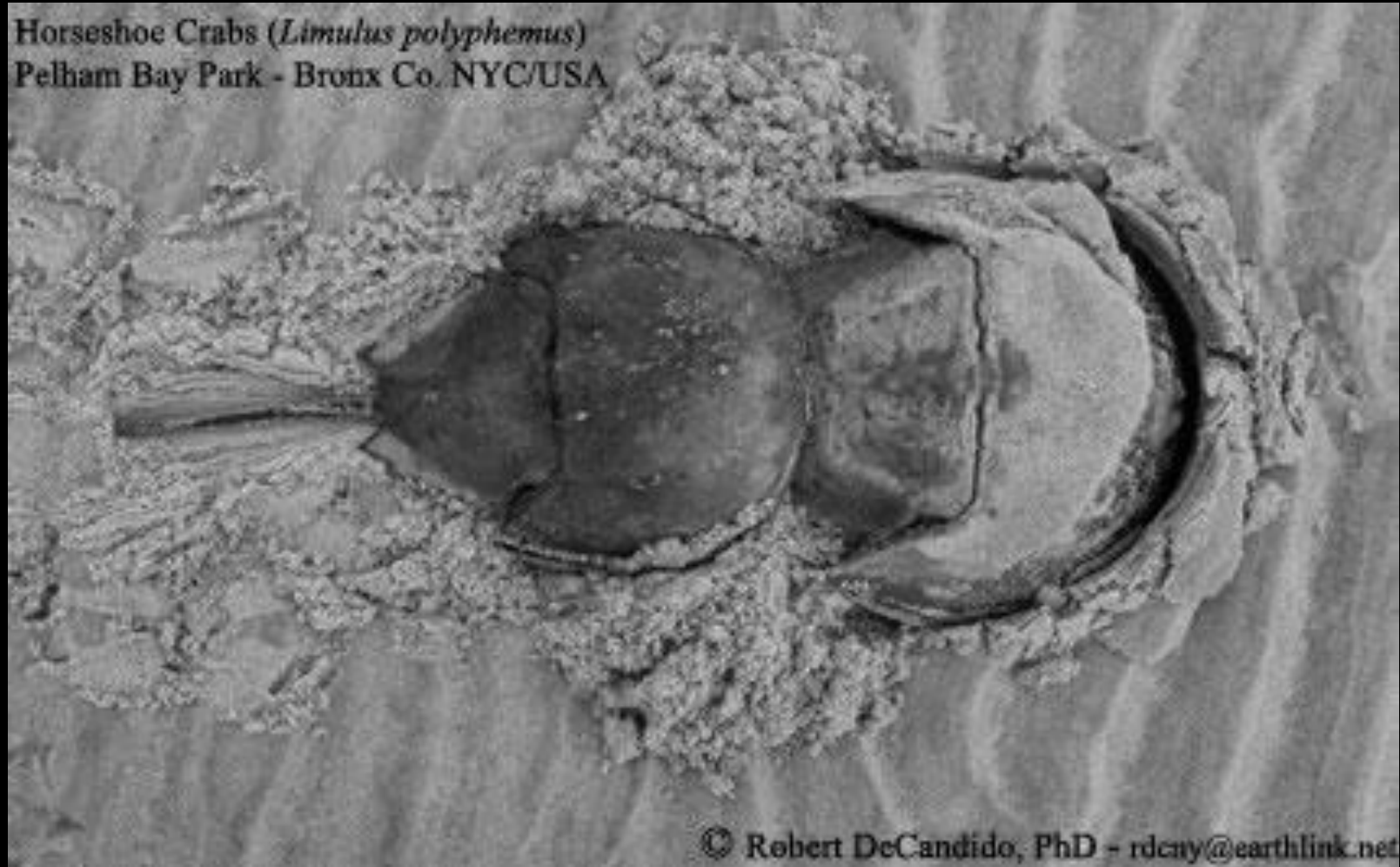




What interactions will the city have with nature?



Horseshoe Crabs (*Limulus polyphemus*)
Pelham Bay Park - Bronx Co. NYC/USA



© Robert DeCandido, PhD - rdcnyc@earthlink.net



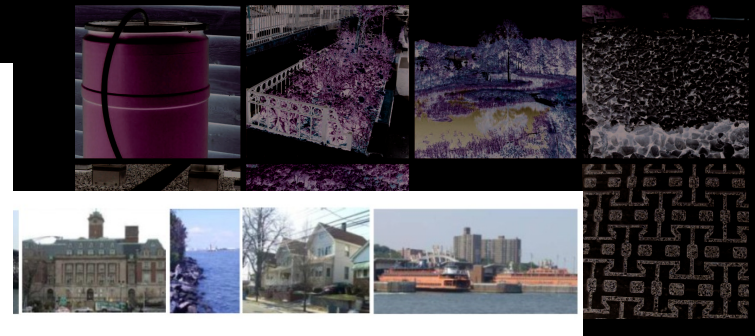
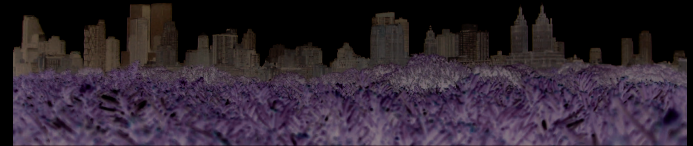
Rana maxima

Hellborena





Source: freefoto.com



North Shore 2030: A Proposed Action Plan

**Improving and Connecting the North
Shore's Unique and Historic Assets**



Welikia means “my good home”

Tishcogan

Say
“WAY–lee-kee-a”

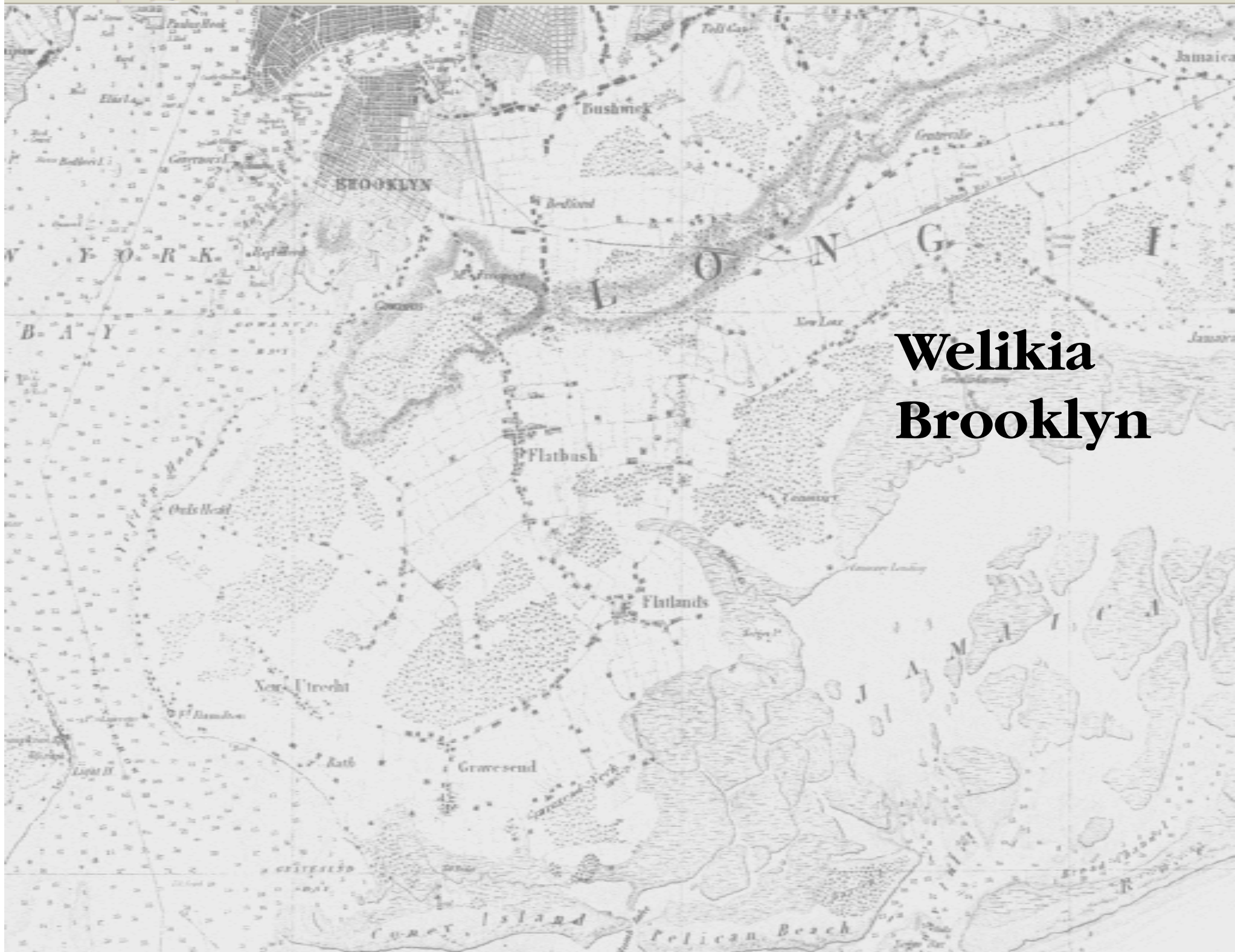
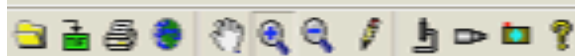


[illegible]

B Dist. 8720 yds b 8 feet lower than the Hengey Pass

B Dist. 8740 yds c 7 feet lower

B Dist. 8750 yds d 8 feet lower



Welikia Brooklyn

Welikia Staten Island



Outline Map
OF
QUEENS COUNTY

LONG ISLAND
NEW YORK.
1891.

**Welikia
Queens**



NYC. MAP 311

QUEENS, N.Y.C. (WALVERTON) 891 plate 1 (Index on verso)



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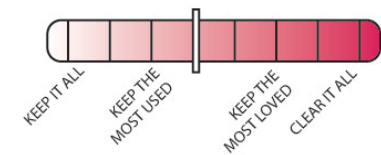
ASSUMPTIONS:

GEOGRAPHY AND CLIMATE HAVE NOT DRASTICALLY CHANGED ▼

PUBLIC PROPERTY HAS NOT CHANGED ▼

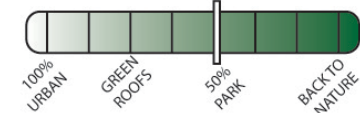
PRESERVATION

amount of existing to remain



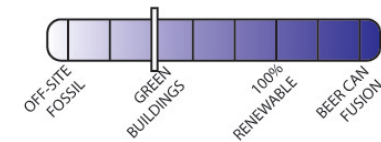
ECOLOGY

amount of green space to add



ENERGY

effects the shape of buildings



TRANSIT

adds transit infrastructure



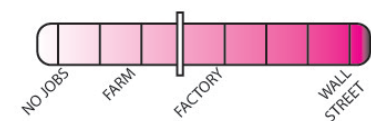
DENSITY

amount of housing to add

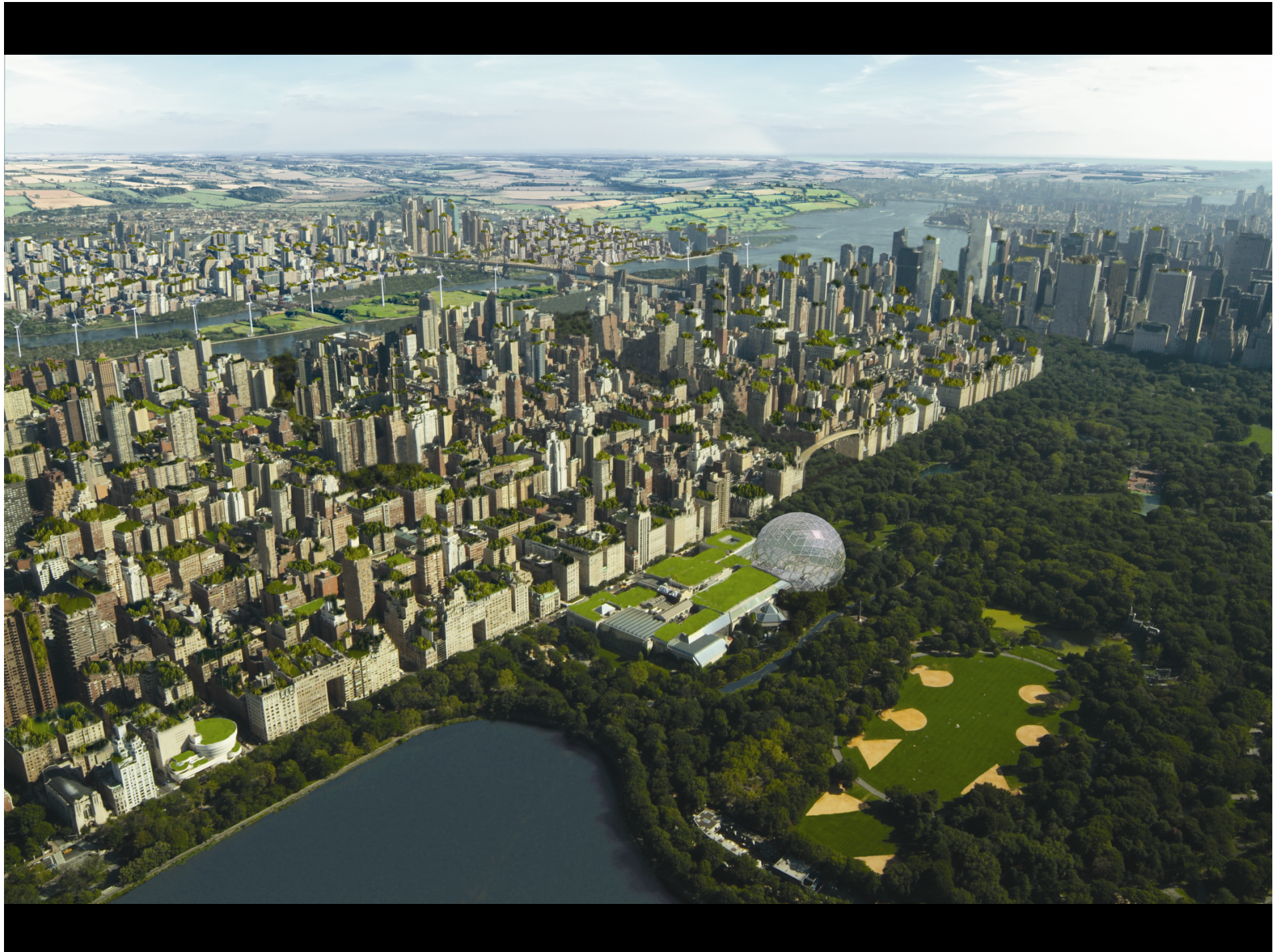


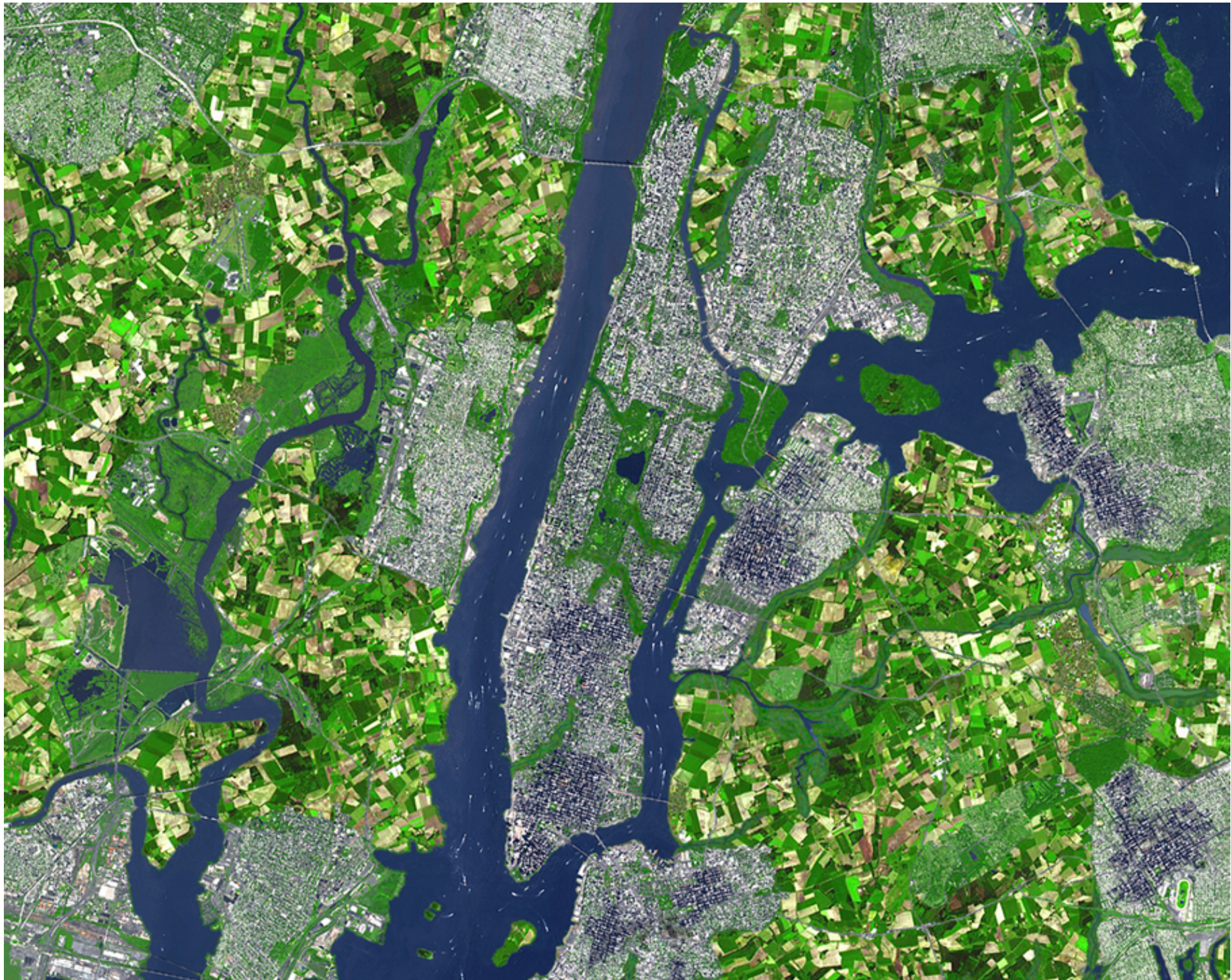
JOBS

amount of commercial space to add









Food

Water

HABITAT

Shelter

Family