

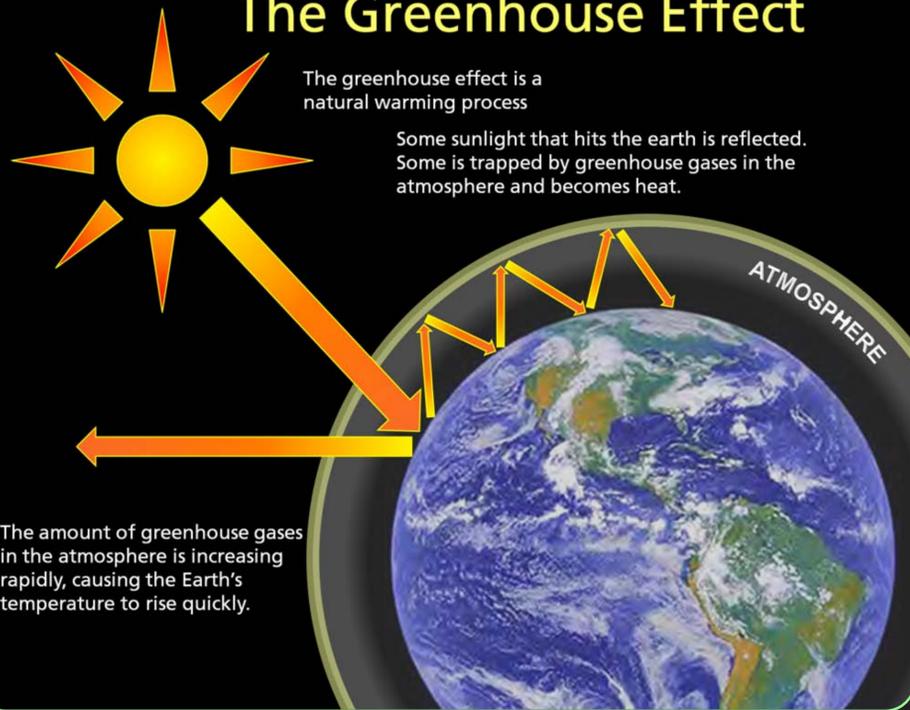
Changes in Sea Level at Jamaica Bay

Greenhouse Gases (GHGs)

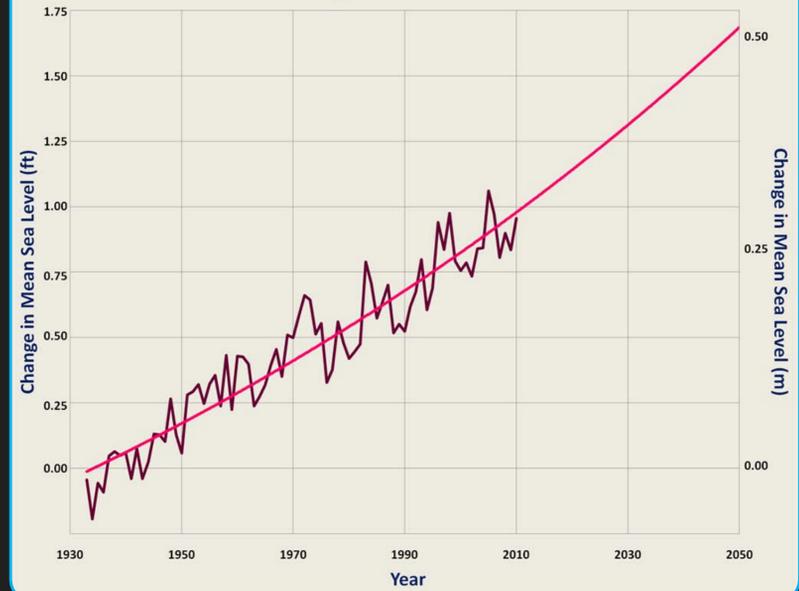
- Carbon dioxide (CO₂)
- Nitrous oxide (N₂O)
- Methane (CH₄)
- Water vapor

Warmer temperatures melt glaciers and ice sheets and expand sea water, increasing the volume of water in the oceans... interacting with coastal subsidence – the sinking of land.

The Greenhouse Effect



Jamaica Bay Sea-level Rise



The Impacts

- Flooding
- More storms
- Property damage + loss
- Loss of wildlife habitat
- Loss of beach
- Erosion

Marshes and Wildlife Endangered By a Higher Water Level

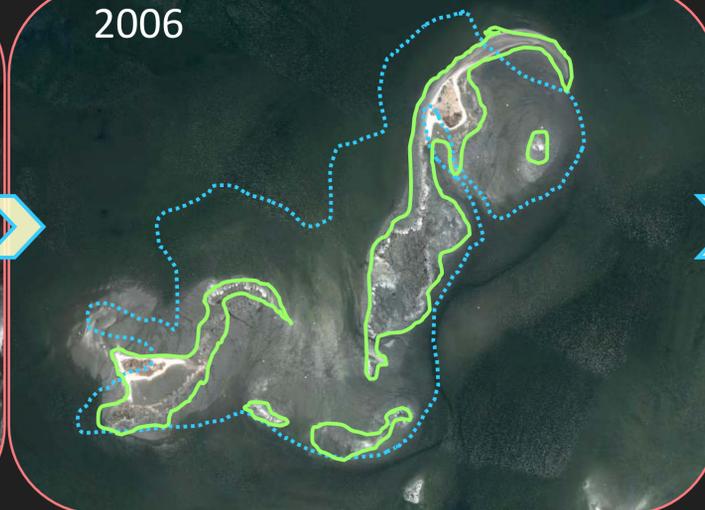
The salt marsh islands of Jamaica Bay, along with the wildlife they harbor are endangered by sea-level rise and human activity. These habitats will drown over the next few years without a strong management plan.

1951



Elder's Point

2006



Restoration project started

2010



Restoration continues

Source: City of New York

Help Make Gateway Greener



Climate Friendly Parks is a joint program of the NPS and US EPA to facilitate an increase in energy efficiency and a reduction of emissions in National Parks.



Ride a bike on the multi-use path!



Help plant native vegetation and preserve biodiversity!

ACT NOW
change the future

Be Green!

- Unplug
- Walk or ride a bike
- Reduce, Reuse, Recycle
- Attend local planning board meetings
- Turn down thermostats
- Buy local food

For more information →
Friend/Follow Gateway National Recreation Area
<http://www.nature.nps.gov/climatechange>



Every bathhouse at Sandy Hook uses solar panels for power.