Clams in central Great South Bay
Harmful algae blooms in bays
Impacts of nitrogen pollution are island-wide.

Long Island Water Quality Impairments
Summer 2017

Water Quality Impairment
- Brown Tide
- Fish Kill
- Hypoxia
- Paralytic Shellfish Poisoning (PSP)
- Rust Tide
- Toxic Blue Green Algae (BGA)
- Ulva (seaweed that indicates high levels of nutrient pollution)
Disappearing eelgrass
Harmful algae blooms in bays

D Kuntz
Harmful algae in lakes and ponds
Macro-algae smothering beaches
Failing marshes

Healthy roots

Impacted roots
Fish kills & dead zones
Bottom dwelling critters in central GSB

2016

High diversity

Low diversity

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Groundwater Nitrate
(SCDHS 2011)
Nutrient Pollution
reactive nitrogen loading
Weekly updates on TV

LIVE

GOOD
FAIR
POOR

NEWS 12
LONG ISLAND
We’re not alone

World Hypoxic and Eutrophic Coastal Areas

Legend

Eutrophic and Hypoxic Areas
- Yellow: Eutrophic
- Red: Hypoxic
- Green: Systems in Recovery

www.wn.org/eutrophication/map.