

Do the ecosystems of Rockaway
support biodiversity?

Biodiversity

- The variety of ecosystems, species , or organisms in an area.

Greater biodiversity →
greater stability/resilience

Google map of Rockaways



Satellite image of Rockaways



Close up



▼ BASS



LARGEMOUTH
(*Micropterus salmoides*)
World Record 22 lbs. 4 oz. State Record ___ lbs. ___ oz.
Montgomery Lake, Georgia, June 2, 1932



SMALLMOUTH
(*Micropterus dolomieu*)
World Record 10 lbs. 14 oz. State Record ___ lbs. ___ oz.
Date Hollow, Tennessee, April 24, 1969



SPOTTED
(*Micropterus punctulatus*)
World Record 10 lbs. 4 oz. State Record ___ lbs. ___ oz.
Pine Flat Lake, California, April 21, 2001



STRIPED
(*Morone saxatilis*)
World Record 67 lbs. 8 oz. State Record ___ lbs. ___ oz.
Los Banos, California, May 7, 1992



STRIPED BASS HYBRID
(*Morone saxatilis* x *Morone chrysops*)
World Record 27 lbs. 5 oz. State Record ___ lbs. ___ oz.
Greens Ferry, Arkansas, April 24, 1997



WHITE
(*Morone chrysops*)
World Record 6 lbs. 13 oz. State Record ___ lbs. ___ oz.

▼ CRAPPIE



BLACK
(*Pomoxis nigromaculatus*)
World Record 4 lbs. 8 oz. (Tie) State Record ___ lbs. ___ oz.
Otoe County, Nebraska, June 15, 2003
Kerr Lake, Virginia, March 1, 1981



WHITE
(*Pomoxis annularis*)
World Record 5 lbs. 3 oz. State Record ___ lbs. ___ oz.
Enid Dam, Mississippi, July 31, 1957

▼ CATFISH



BLUE (*Ictalurus furcatus*)
World Record 121 lbs. 8 oz. State Record ___ lbs. ___ oz.
Lake Texoma, Texas, January 16, 2004



CHANNEL (*Ictalurus punctatus*)
World Record 58 lbs. 0 oz. State Record ___ lbs. ___ oz.
Santee-Cooper, South Carolina, July 7, 1964



FLATHEAD (*Pylodictis olivaris*)
World Record 123 lbs. 0 oz. State Record ___ lbs. ___ oz.
Independence, Kansas, May 4, 1996

▼ PIKE



MUSKELLUNGE (*Esox masquinongy*)
World Record 67 lbs. 8 oz. State Record ___ lbs. ___ oz.
Hayward, Wisconsin, July 24, 1949



NORTHERN (*Esox lucius*)
World Record 55 lbs. 1 oz. State Record ___ lbs. ___ oz.
Lake Grefern, West Germany, October 16, 1986

▼ SALMON



CHINOOK
(*Oncorhynchus tshawytscha*)
World Record 97 lbs. 4 oz. State Record ___ lbs. ___ oz.
Kenai, Alaska, May 17, 1985



COHO
(*Oncorhynchus kisutch*)
World Record 33 lbs. 4 oz. State Record ___ lbs. ___ oz.
Polaski, New York, September 27, 1989

▼ TROUT



BROWN
(*Salmo trutta*)
World Record 40 lbs. 4 oz. State Record ___ lbs. ___ oz.
Heber Springs, Arkansas
May 2, 1992



LAKE
(*Salvelinus namaycush*)
World Record 72 lbs. 0 oz. State Record ___ lbs. ___ oz.
North West Territories, Canada, August 19, 1995



RAINBOW
(*Oncorhynchus mykiss*)
World Record 42 lbs. 2 oz. State Record ___ lbs. ___ oz.
Bell Island, Alaska, June 22, 1970

▼ WALLEYE



World Record 25 lbs. 0 oz. State Record ___ lbs. ___ oz.
Old Hickory Lake, Tennessee, August 2, 1960

For more information about world records, visit www.igfa.org.
IGFA World Records as of August 1, 2005.
Photography by Tim Knepp

IGFA Corporate Member

EASTERN NORTH AMERICA

ILLUSTRATED BY DAVID ALLEN SIBLEY



Striped Bass



Size Limit: 1 Between 28"-40"
Size Limit: 1 Greater Than 40"
Bag Limit: 2 Per Day
Season: 4/15-12/15

Bluefish



Size Limit: No Restrictions
Bag Limit: 15 Per Day
(only 10 may be under 12")
Season: All Year

Blackfish



Size Limit: 16"
Bag Limit: 4 Per Day
Season: 10/5- 12/14

Sea Bass



Size Limit: 13"
Bag Limit: 8 Per Day
Season: 7/10-12/31



Weakfish



Size Limit: 16"
Bag Limit: 1 Per Day
Season: All Year

Fluke



Size Limit: 19"
Bag Limit: 4 Per Day
Season: 5/1-9/29



Codfish



Size Limit: 22"
Bag Limit: 10 Per Day
Season: All Year

American Eel



Size Limit: 6"
Bag Limit: 50 Per Day
Season: All Year

Flounder



Size Limit: 12"
Bag Limit: 2 Per Day
Season: 4/1-5/30

Pollock



Size Limit: 19"
Bag Limit: No Restrictions
Season: All Year

Porgy



Size Limit: 10"
Bag Limit: 30 Per Day
Season: 5/1-12/31



Blue Claw Crab



Size Limit: Hard Shell 4-1/2"
Size Limit: Soft Shell 3-1/2"
Bag Limit: 50 Per Day
Season: All Year



For updated info: www.dec.ny.gov/outdoor/7894.html

4 Water Samples

1: East Pond

2: Jamaica Bay (inner)

3: Jamaica Bay (Beach Channel)

4: Atlantic Ocean

- Which do you think will be the most saline (salty)? Freshest?
- Which will have the most nitrate?
- Which will have the most ammonia?

Prediction Time!

- By looking at the 4 samples (A,B,C,D) try to predict where I collected each sample.
- Then predict which location will have most salt, nitrate, and ammonia.