

## Long Island Sound Blue Plan – Potential Data Products Review

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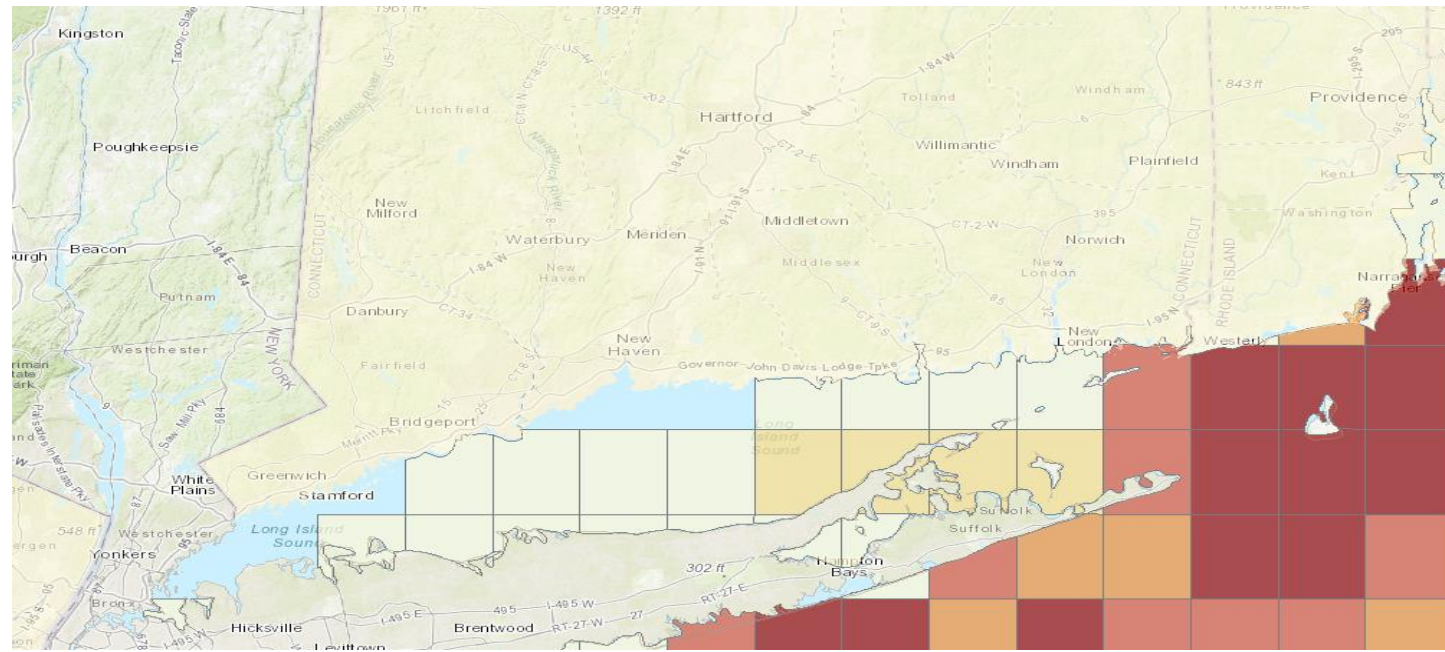
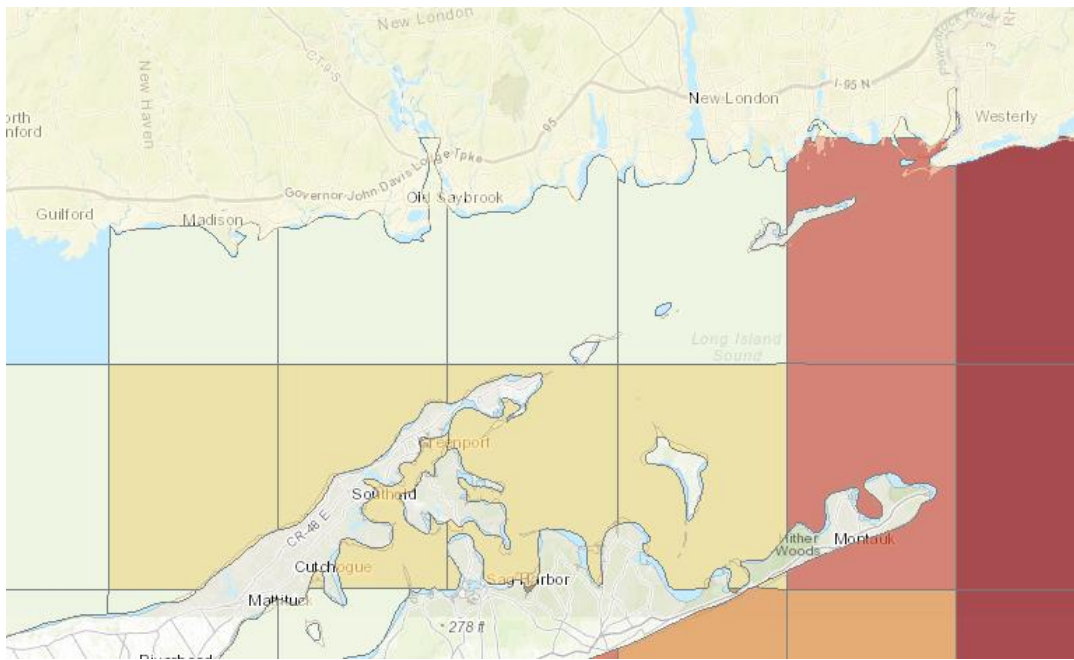
#### *Commercial Fishing*

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# Trawl Gear – Regional Landings (lbs): 2001-2010

NY Geographic Information Gateway

Source: NOAA NMFS, Northeast Fisheries Science Center



- 1,900 - 1,030,988 (pounds)
- 1,030,989 - 2,135,684
- 2,135,685 - 3,289,555
- 3,289,556 - 5,777,630
- 5,777,631 - 62,916,156

## Trawl Gear – Regional Landings (lbs): 2001-2010

**Blue Plan Sector(s)**: Fish & Shellfish Resources > Commercial Fishing

**Summary Description**: These data were provided by the National Marine Fisheries Service. For more information about VTR reporting requirements and procedures please click here (link missing). Please note that the use and analysis of these geographic data are limited by the scale at which the data were collected and mapped; as a regional analysis, these data are not intended for site level decisions. This data product represents the total amount of fish landed (measured in pounds) by federally permitted commercial fishing vessels using otter trawl fishing gear between 2001 and 2010. The amount of landings is based on annual Vessel Trip Report (VTR) summaries provided by the National Marine Fisheries Service (NMFS). These summaries are aggregated by ten minute square. VTRs are required for most federally permitted fishing vessels. This dataset is intended for use in ocean planning activities, not site-level decisions.

**Full Description**:

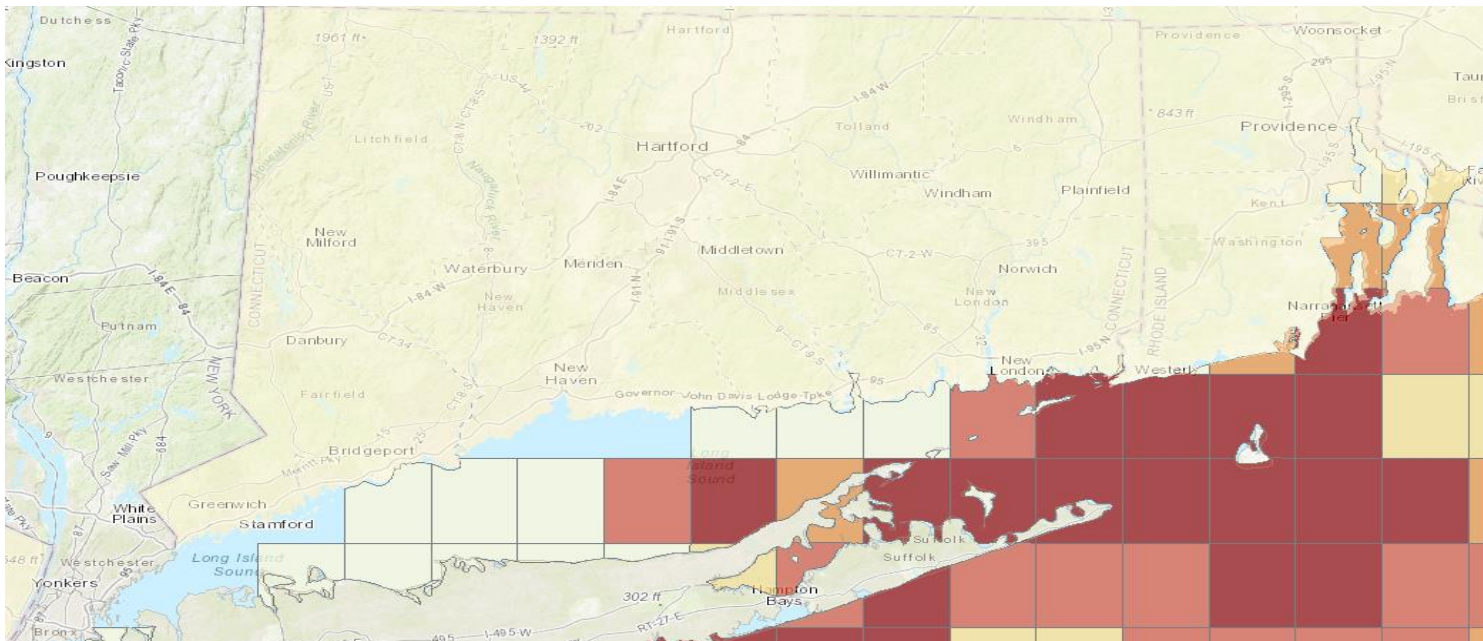
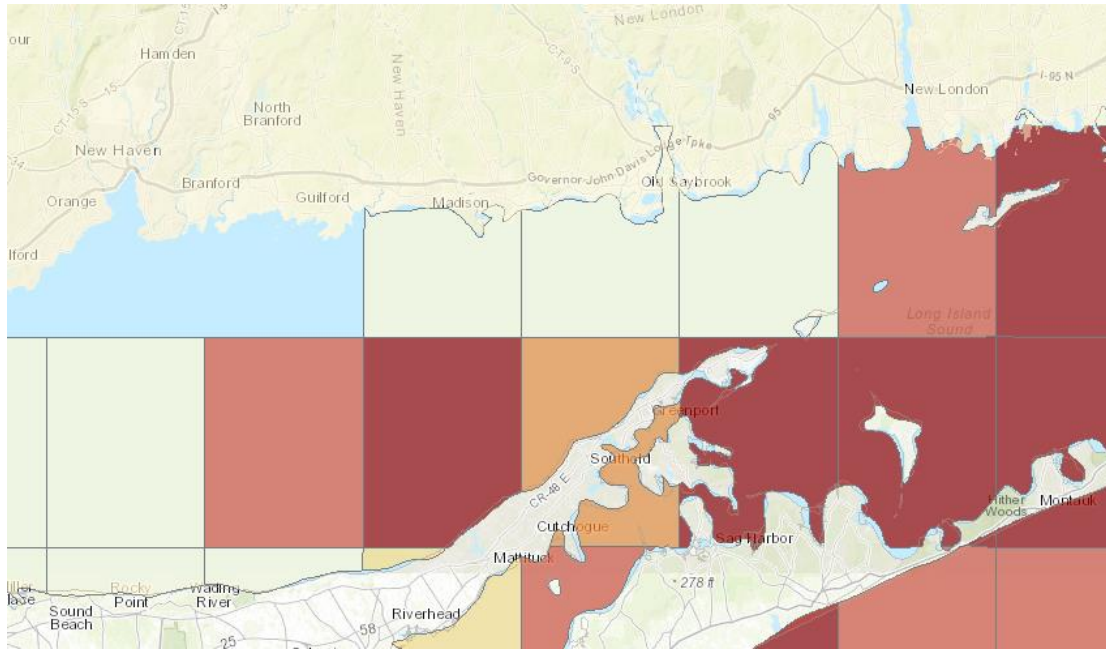
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**Access Instructions**: <http://opdgig.dos.ny.gov/#/map>, go to “Commercial Fishing,” then “Regional”

# Trawl Gear – Regional Effort (days): 2001-2010

NY Geographic Information Gateway

Source: NOAA NMFS, Northeast Fisheries Science Center



- 13 - 767 (days)
- 768 - 2,351
- 2,352 - 4,015
- 4,016 - 8,189
- 8,190 - 79,242

## Trawl Gear – Regional Effort (days): 2001-2010



**Blue Plan Sector(s)**: Fish & Shellfish Resources > Commercial Fishing

**Summary Description**: These data were provided by the National Marine Fisheries Service. For more information about VTR reporting requirements and procedures please click here (link missing.) Please note that the use and analysis of these geographic data are limited by the scale at which the data were collected and mapped; as a regional analysis, these data are not intended for site level decisions. This data product represents the total effort (measured in days) made by federally permitted commercial fishing vessels using otter trawl fishing gear between 2001 and 2010. The amount of effort is based on annual Vessel Trip Report (VTR) summaries provided by the National Marine Fisheries Service (NMFS). These summaries are aggregated by ten minute square. VTRs are required for most federally permitted fishing vessels. This dataset is intended for use in ocean planning activities, not site-level decisions.

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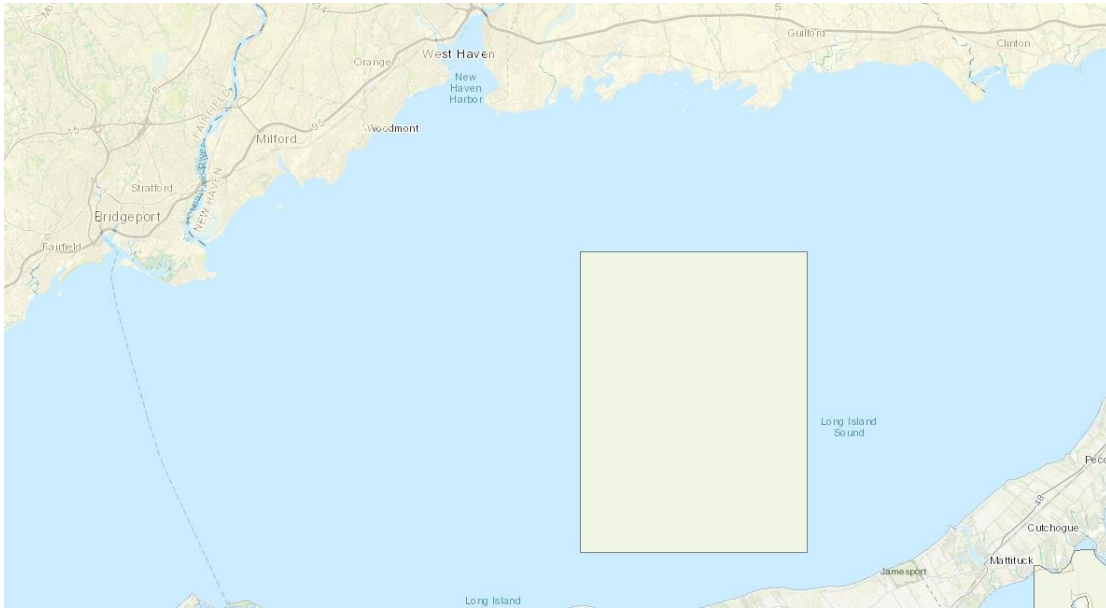
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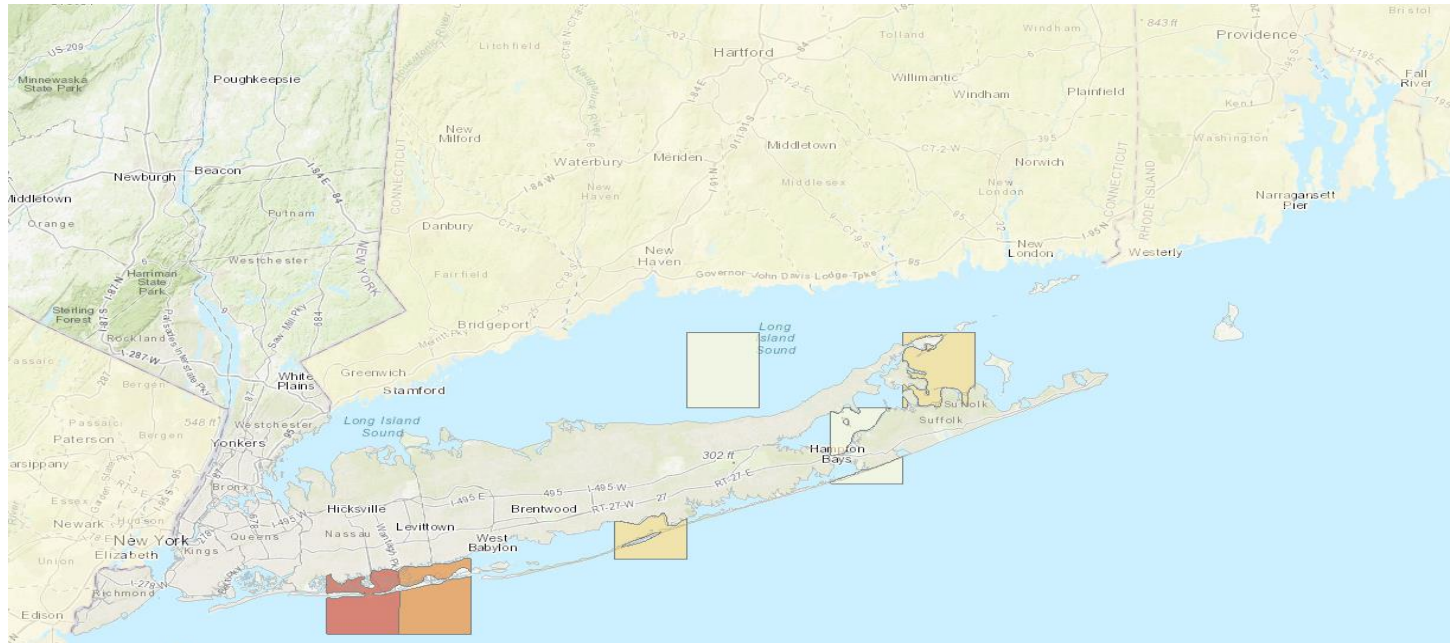
# Seine Gear – Regional Landings (lbs): 2001-2010

NY Geographic Information Gateway

Source: NOAA NMFS, Northeast Fisheries Science Center



- 1,677 - 4,712 (pounds)
- 4,713 - 76,612
- 76,613 - 142,420
- 142,421 - 1,000,000
- 1,000,001 - 59,119,070



## Seine Gear – Regional Landings (lbs): 2001-2010

**Blue Plan Sector(s)**: Fish & Shellfish Resources > Commercial Fishing

**Summary Description**: These data were provided by the National Marine Fisheries Service. For more information about VTR reporting requirements and procedures please click here (link missing). Please note that the use and analysis of these geographic data are limited by the scale at which the data were collected and mapped; as a regional analysis, these data are not intended for site level decisions. This data product represents the total amount of fish landed (measured in pounds) by federally permitted commercial fishing vessels using seine fishing gear between 2001 and 2010. The amount of landings is based on annual Vessel Trip Report (VTR) summaries provided by the National Marine Fisheries Service (NMFS). These summaries are aggregated by ten minute square. VTRs are required for most federally permitted fishing vessels. This dataset is intended for use in ocean planning activities, not site-level decisions.

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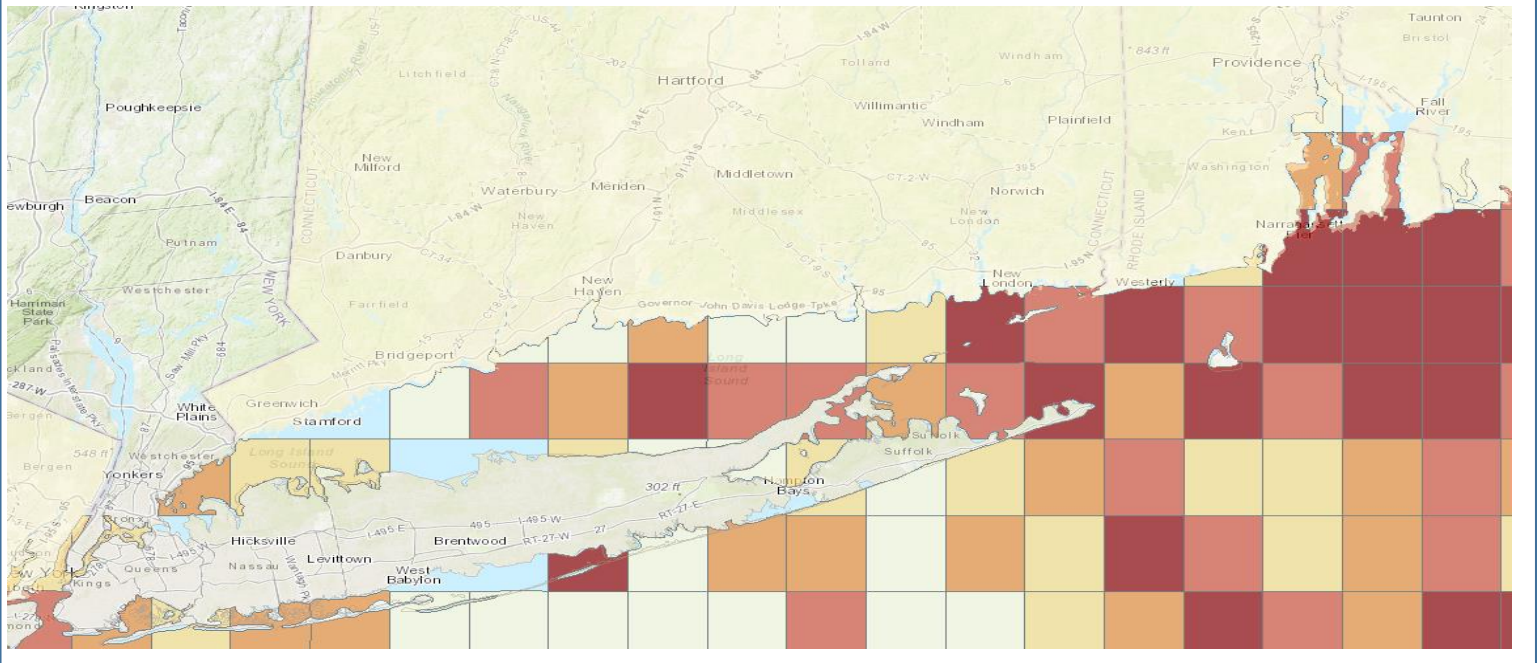
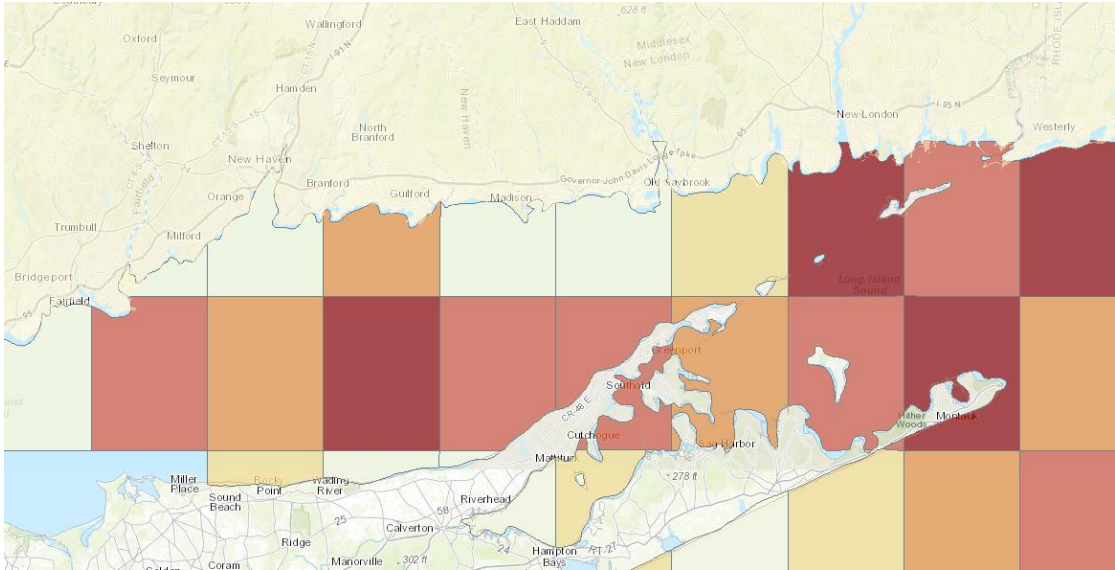
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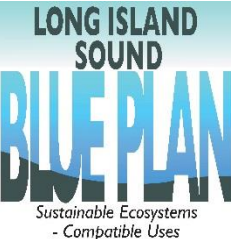
# Pot Gear – Regional Landings (lbs): 2001-2010

NY Geographic Information Gateway

Source: NOAA NMFS, Northeast Fisheries Science Center



-  850 - 10,575 (pounds)
-  10,576 - 58,906
-  58,907 - 155,514
-  155,515 - 361,517
-  361,518 - 8,841,297





## Pot Gear – Regional Landings (lbs): 2001-2010

**Blue Plan Sector(s)**: Fish & Shellfish Resources > Commercial Fishing

**Summary Description**: These data were provided by the National Marine Fisheries Service. For more information about VTR reporting requirements and procedures please click here (link missing). Please note that the use and analysis of these geographic data are limited by the scale at which the data were collected and mapped; as a regional analysis, these data are not intended for site level decisions. This data product represents the total amount of fish landed (measured in pounds) by federally permitted commercial fishing vessels using traps/pots fishing gear between 2001 and 2010. The amount of landings is based on annual Vessel Trip Report (VTR) summaries provided by the National Marine Fisheries Service (NMFS). These summaries are aggregated by ten minute square. VTRs are required for most federally permitted fishing vessels. This dataset is intended for use in ocean planning activities, not site-level decisions.

**Full Description**:

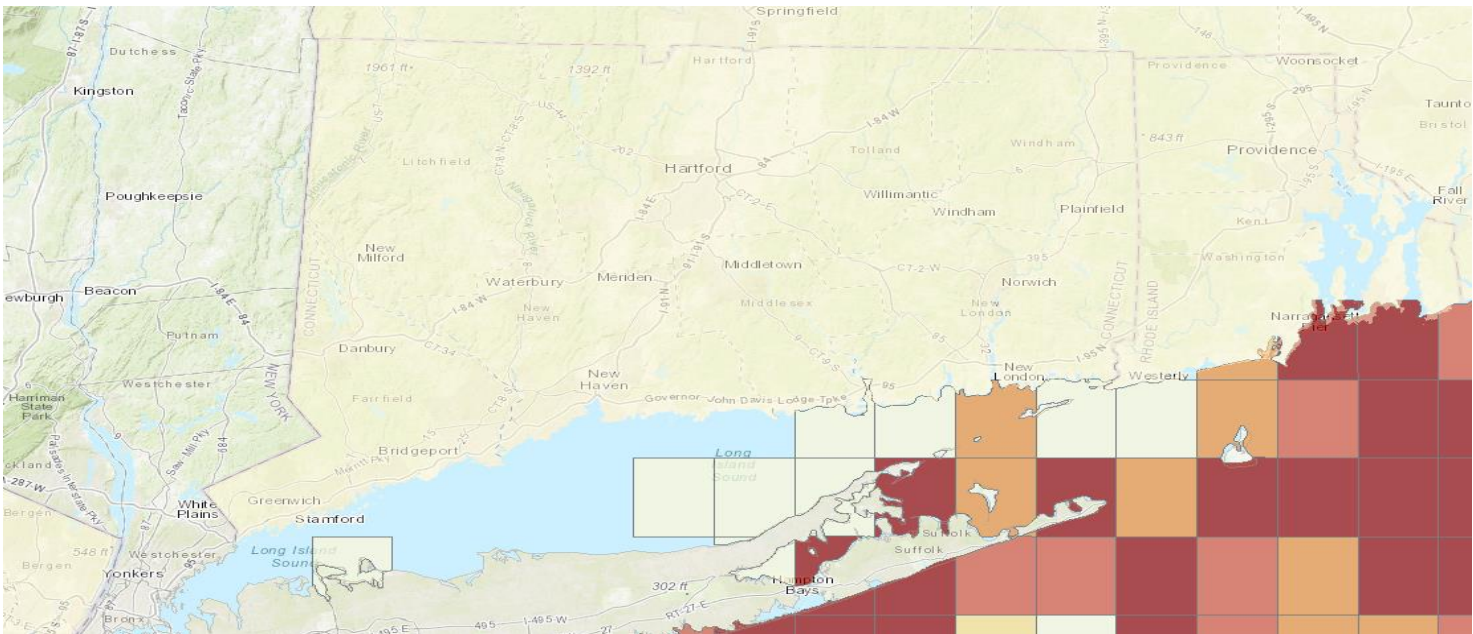
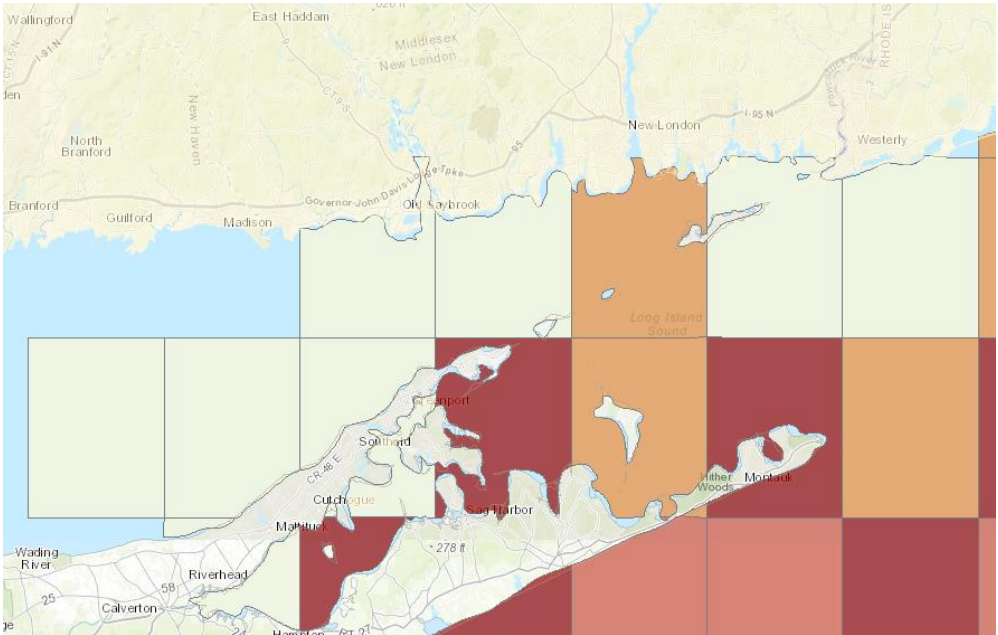
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**Access Instructions**: <http://opdgig.dos.ny.gov/#/map>, go to “Commercial Fishing,” then “Regional”

# Gillnet Gear – Regional Landings (lbs): 2001-2010

NY Geographic Information Gateway

Source: NOAA NMFS, Northeast Fisheries Science Center



- 1,875 - 40,028 (pounds)
- 40,029 - 91,959
- 91,960 - 307,756
- 307,757 - 652,674
- 652,675 - 13,311,597

## Gillnet Gear – Regional Landings (lbs): 2001-2010

**Blue Plan Sector(s)**: Fish & Shellfish Resources > Commercial Fishing

**Summary Description**: These data were provided by the National Marine Fisheries Service. For more information about VTR reporting requirements and procedures please click here (link missing). Please note that the use and analysis of these geographic data are limited by the scale at which the data were collected and mapped; as a regional analysis, these data are not intended for site level decisions. This data product represents the total amount of fish landed (measured in pounds) by federally permitted commercial fishing vessels using gillnet fishing gear between 2001 and 2010. The amount of landings is based on annual Vessel Trip Report (VTR) summaries provided by the National Marine Fisheries Service (NMFS). These summaries are aggregated by ten minute square. VTRs are required for most federally permitted fishing vessels. This dataset is intended for use in ocean planning activities, not site-level decisions.

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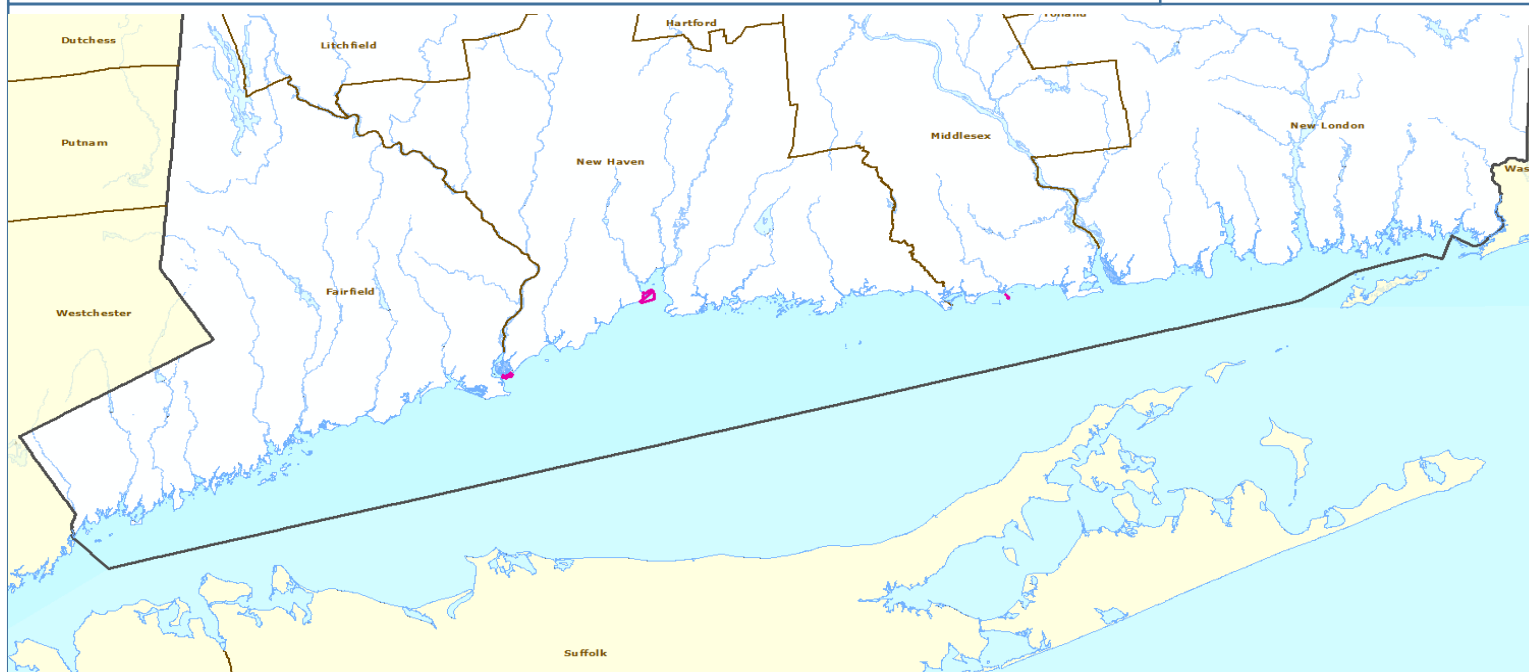
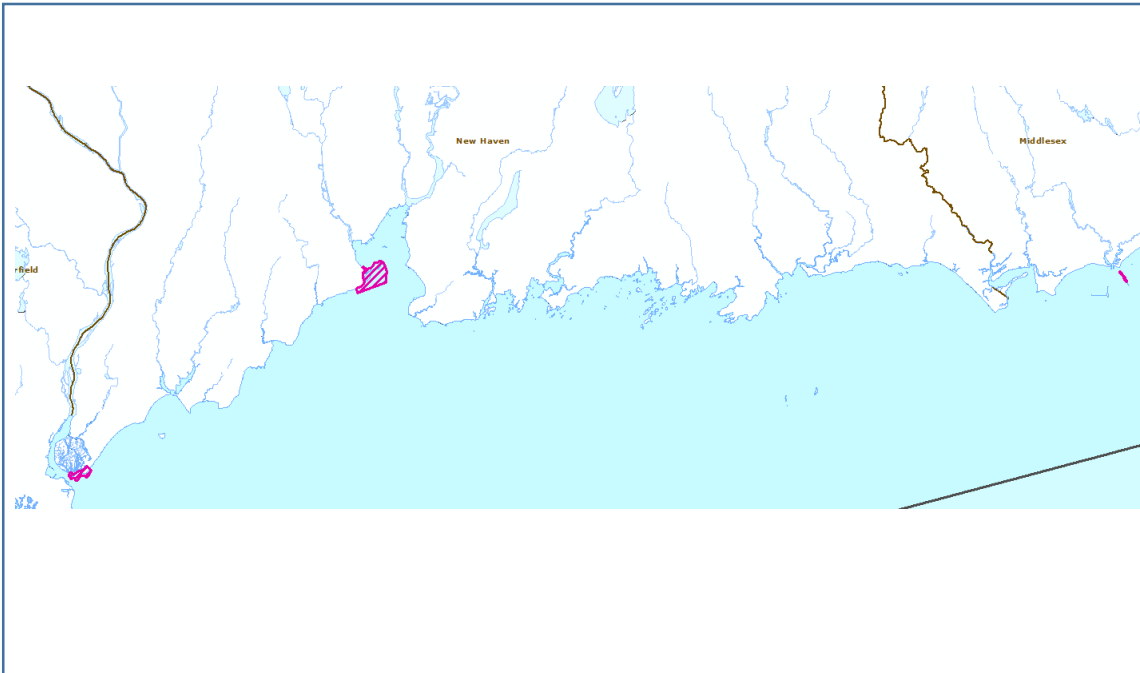
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**Access Instructions**: <http://opdgig.dos.ny.gov/#/map>, go to “Commercial Fishing,” then “Regional”

# CT DEEP Horseshoe Crab Closed Areas

CT DEEP Fisheries

Source: CT DEEP Marine Fisheries, 2007



CT Horseshoe crab closed areas



# CT DEEP Atlantic Horseshoe Crab Closed Areas



**Blue Plan Sector(s)**: Fish & Shellfish Resources > Commercial Fishing

**Summary Description**: This layer depicts the locations of horseshoe crab closed areas as described in CT State Regulation 26-159a-17(g). In 2007, polygons were created in ArcGIS by visually digitizing areas using NOAA Nautical Charts (20k) for reference. Polygons were created to depict closed areas described in CT State Regulation 26-1592-17(g): "No person shall engage in the hand-harvest of horseshoe crabs from the following areas: (1) Menunketesuck Island in Westbrook; and (2) the region known as Sandy Point in West Haven from the West Haven boat ramp on Beach Street south to, and clockwise around said point, including the breakwater, tidal flats and embayment and southeastern facing barrier beach to the groin adjacent to the intersection of Beach Street and Morse Avenue; and (3) the region known as Milford Point in Milford, Connecticut, including all beaches and adjacent sand bars and tidal flats to the west of, and including, the spit that lies south-southeast of the southern terminus of Francis Street." Full text of the regulation can be found at the CT DEEP website: <http://www.ct.gov/deep/cwp/view.asp?a=2704&q=323516> (under "Fishing" Title, select link to Commercial and Sport Fishing in the Marine District).

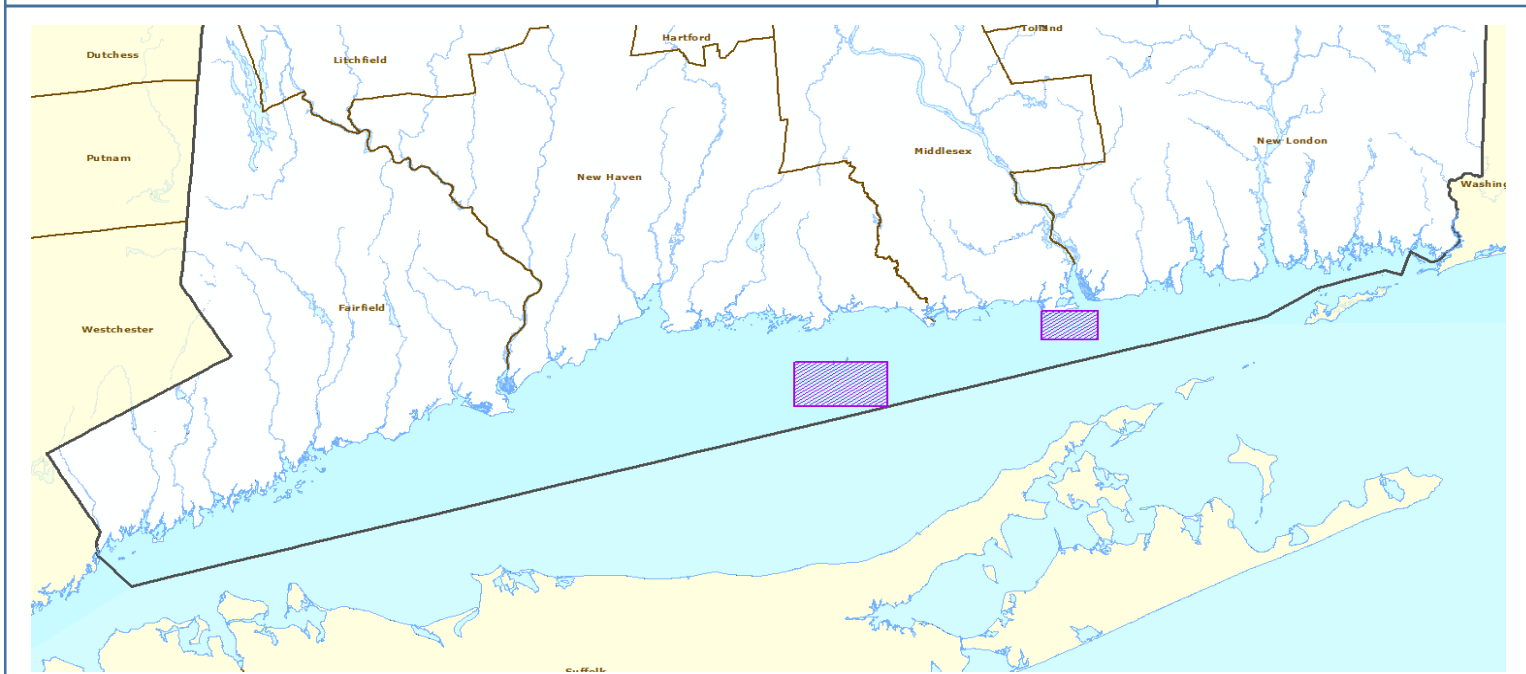
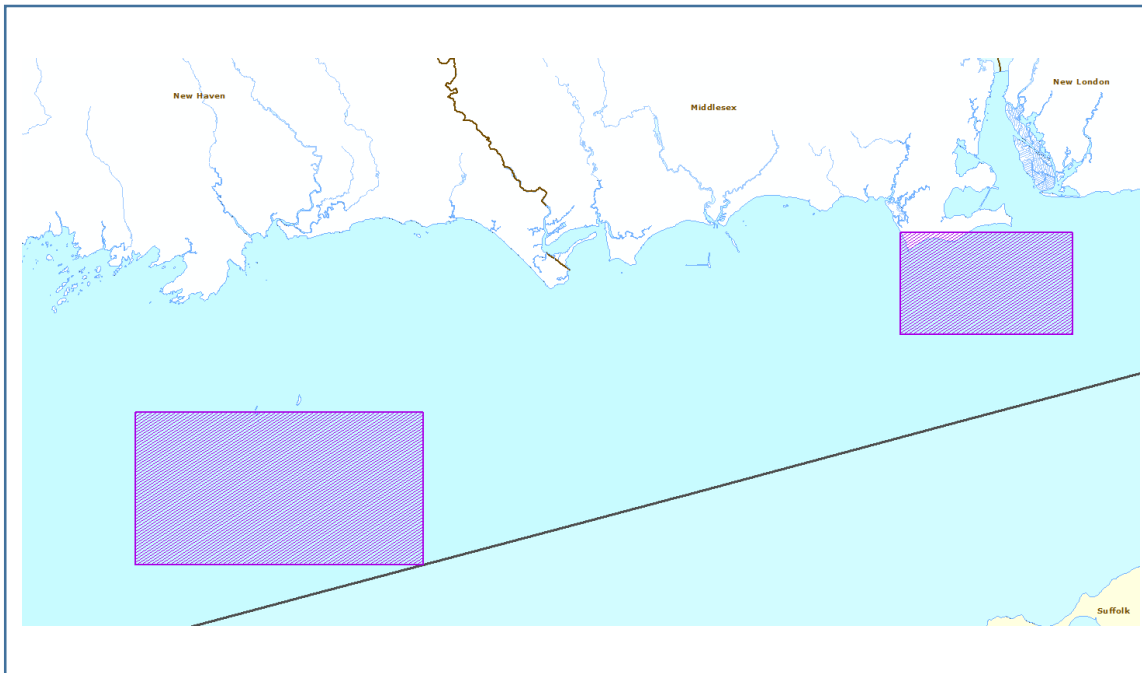
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[deep.marine.fisheries@ct.gov](mailto:deep.marine.fisheries@ct.gov)

**Access Instructions**: TBD

# CT DEEP Atlantic Sturgeon Gear Restriction Areas

CT DEEP Fisheries

Source: CT DEEP Marine Fisheries, 2012



Atlantic sturgeon gear restriction areas



# CT DEEP Atlantic Sturgeon Gear Restriction Areas



**Blue Plan Sector(s)**: Fish & Shellfish Resources > Commercial Fishing

**Summary Description**: This layer depicts the locations of Atlantic sturgeon gear restriction areas as described in CT DEEP Notice to Commercial Fishermen dated 04/27/2012. In 2012, polygons were created in ArcGIS by digitizing the areas described in the Notice of Declaration of Regulation Change (12-08): "Under the authority of 26-102 of the Connecticut General Statutes, the Commissioner of Energy and Environmental Protection is authorized to establish closed areas on any state waters and prescribe conditions for the operation of commercial fishing activity when he deems it necessary for resource conservation. In accordance with the aforementioned authority Section 26-159a-6 Use of commercial fishing gear is amended as follows: NEW SUBSECTION (B) No person shall use, set or tend any otter trawl, beam trawl, sink or anchored gillnet in the following areas of Long Island Sound: (1) Falkner Island Gear Restricted Area, (2) Connecticut River Mouth Gear Restricted Area. Full text of the Declaration, including latitudinal and longitudinal coordinates, can be found at the CT DEEP website:<http://www.ct.gov/deep/cwp/view.asp?A=2588&Q=503242>

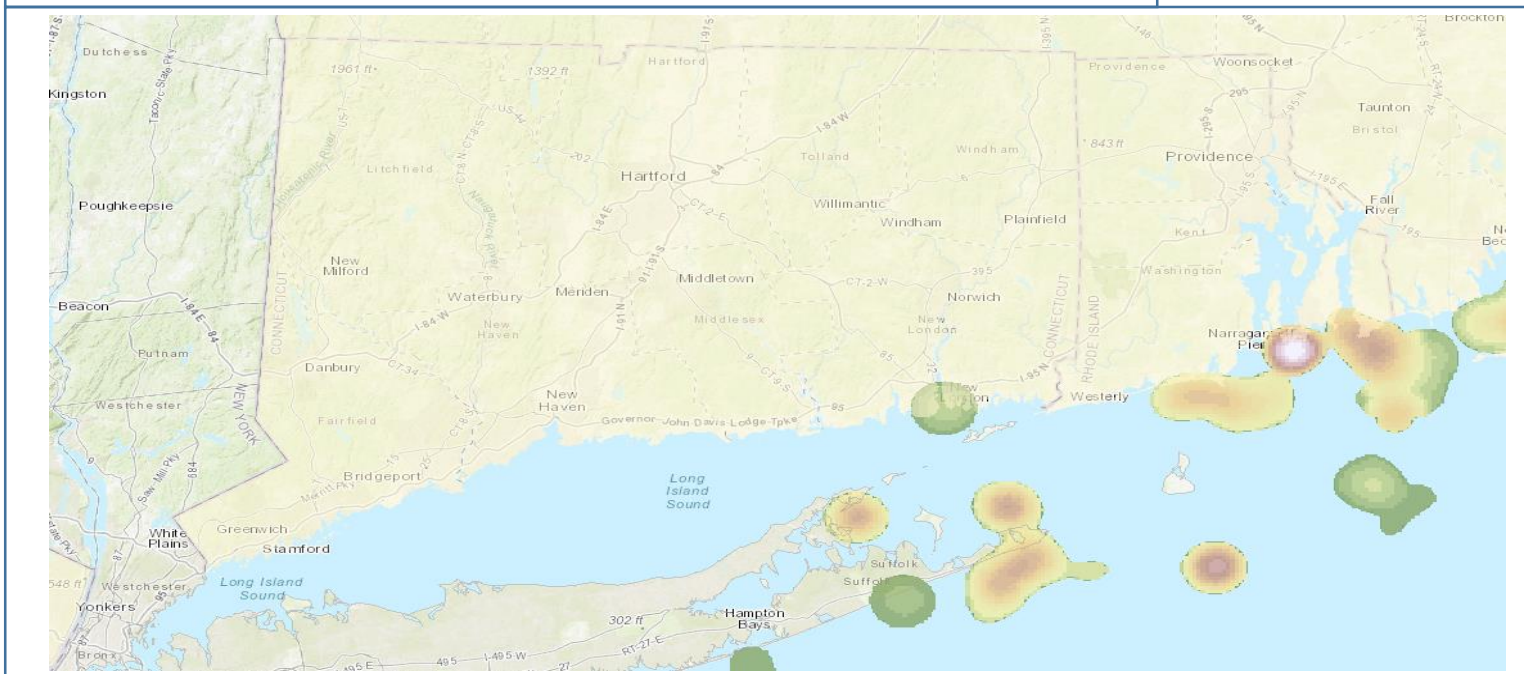
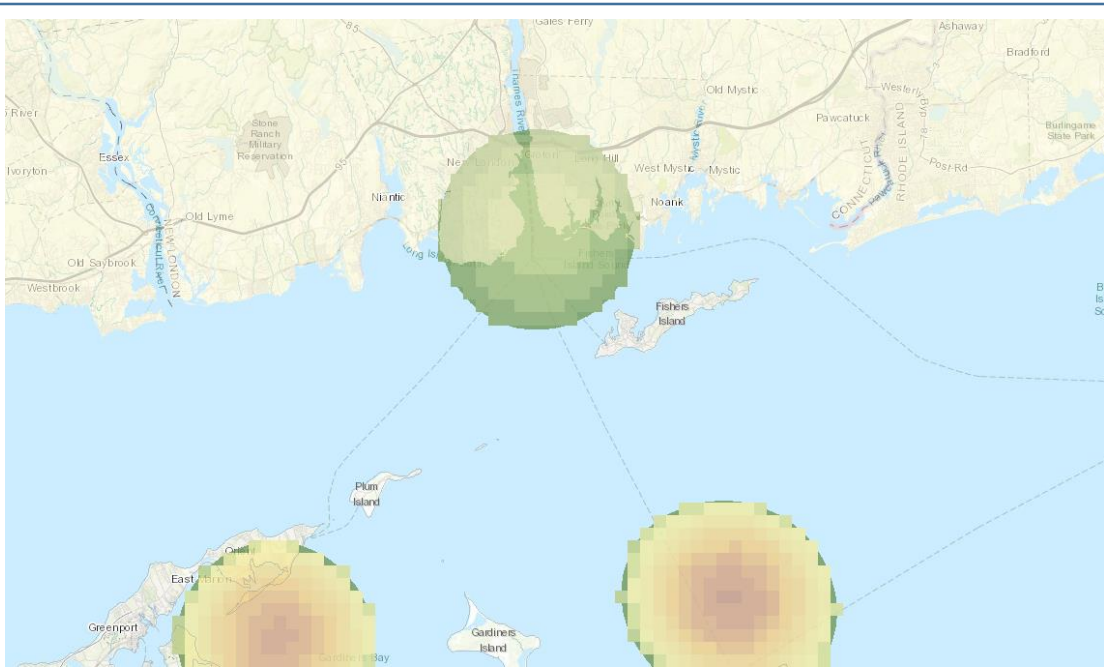
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[deep.marine.fisheries@ct.gov](mailto:deep.marine.fisheries@ct.gov)

**Access Instructions**: TBD

# Communities At Sea – Pots & Traps Commercial Fishing Activity: 2011-2013

NY Geographic Information Gateway

**Source:** Grant F. Walton Center for Remote Sensing and Spatial Analysis (CRSSA), Rutgers University





# Communities At Sea – Pots & Traps Commercial Fishing Activity: 2011-2013



**Blue Plan Sector(s):** Fish & Shellfish Resources > Commercial Fishing

**Summary Description:** Communities at Sea maps link fishing communities to specific resource areas in the ocean. They are developed by linking Federal Vessel Trip Report (VTR) data to vessel permit data. VTRs include trip date, number of crew on board, species and quantities caught, and trip locations, while the permit data includes a vessel's "principal port" as well as other variables describing the vessel itself (e.g. length, horsepower, and age). By linking the two, fishing communities can be categorized based on port and fishing gear group combinations as a function of port of origin or major gear type used on the vessel. For example, fishermen from Newport News, VA and Montauk, NY who fish using dredge gear can be grouped and mapped as two separate communities. This set of maps was created by using trip location point data as input to create density polygons representing visitation frequency ("fisherdays"). The Communities at Sea maps show total labor including crew time and the time spent in transit to and from fishing locations. They do not show other variables such as ex-vessel value or number of pounds landed. The results can be interpreted as maps of "community presence." All data were aggregated to the "community" level, none of the resultant maps represent a fishing area (i.e. "hot spot") of any individual fisherman or fishing vessel. Draft maps were reviewed and refined in consultation with diverse fishermen in several ports in each Mid-Atlantic state. Please refer to the following article for concepts and methodology: Mapping Community Use of Fisheries Resources in the U.S. Northeast Fishing communities were defined as a function of both port and major gear type used on the vessel. The groupings by VTR gear code used for each community gear type is listed below: Bottom Trawl: (further divided by vessel length, small 65 feet) OTF: OTTER TRAWL, BOTTOM, FISH OTC: OTTER TRAWL, BOTTOM, SCALLOP OTB: OTTER TRAWL, BEAM PTB: PAIR TRAWL, BOTTOM Seine SED: SEINE, DANISH SES: SEINE, SCOTTISH STS: SEINE, STOPPUR: PURSE SEINE Dredge DRS: DREDGE, SCALLOP, SEADRUM: DREDGE, MUSSEL DRO: DREDGE, OTHER Gillnet GNS: GILL NET, SINK GND: GILL NET, DRIFT, LARGE MESH GNT: GILL NET, DRIFT, SMALL MESH GNR: GILL NET, RUN AROUND Longline LLB: LONGLINE, BOTTOM LLP: LONGLINE, PELAGIC Lobster PTL: POT, LOBSTER Pots and Traps PTS: POT, SHRIMP PTC: POT, CRAB PTF: POT, FISH PTO: POT, OTHER TRP: TRAP PTX: POT, MIXED PTH: POT, HAG PTW: POT, CONCH/WHELK

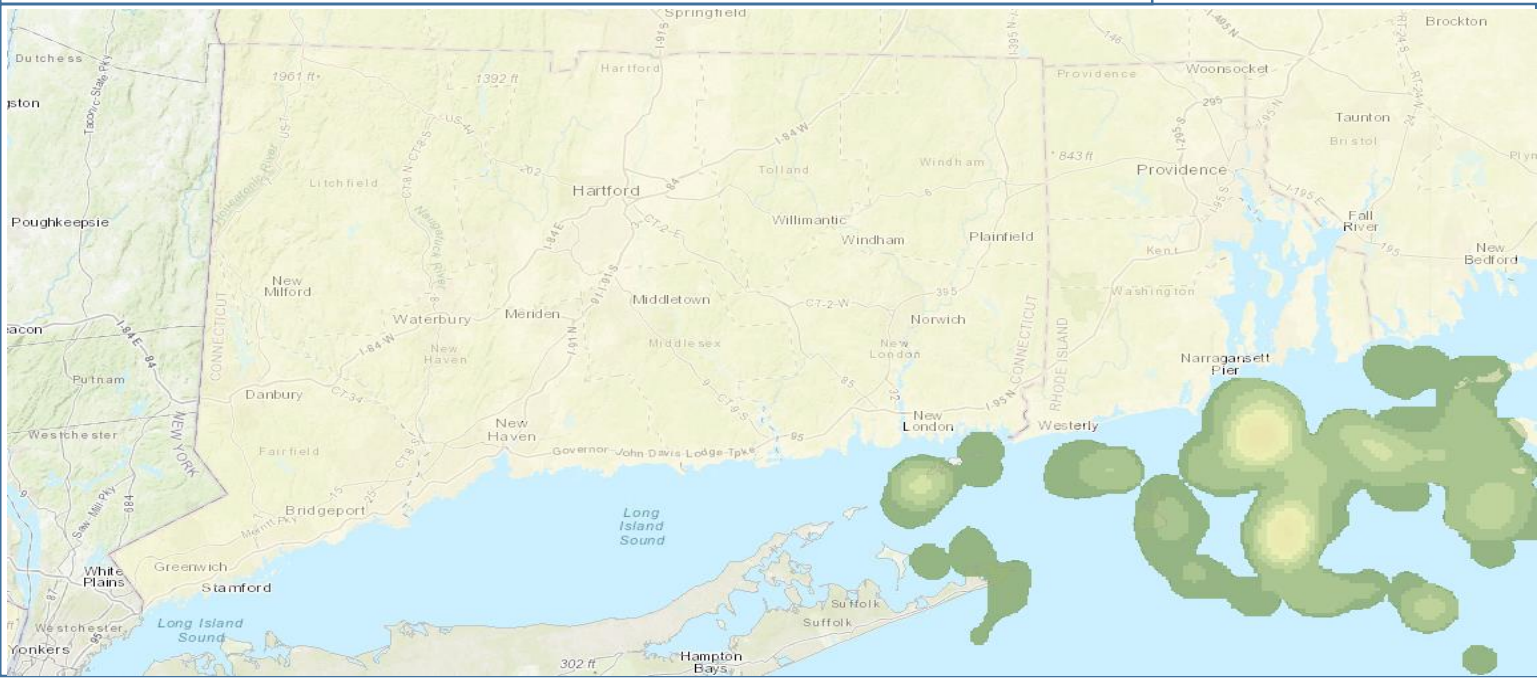
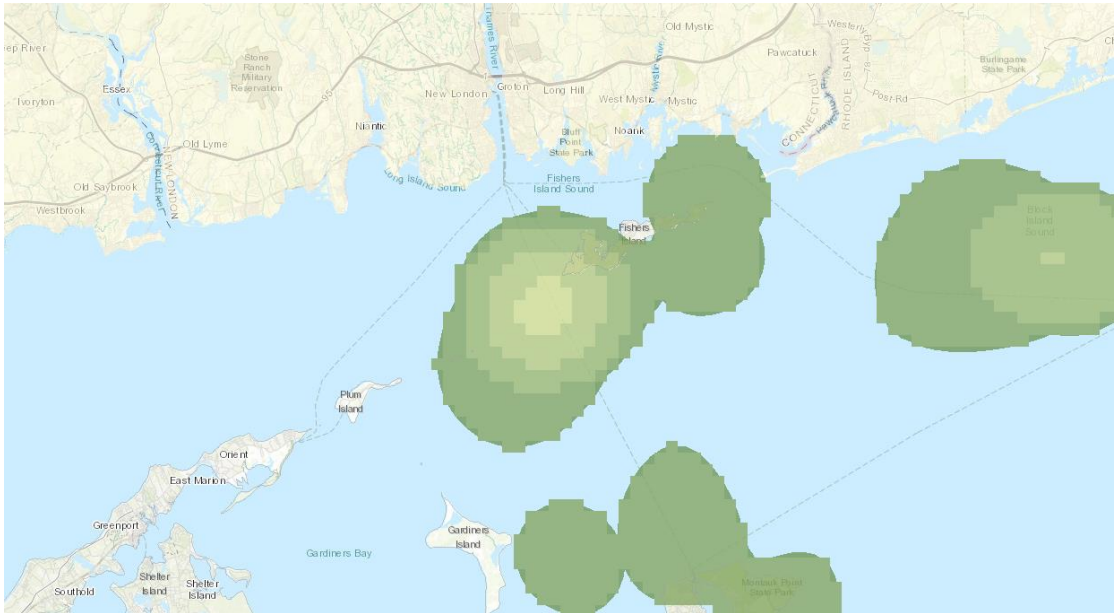
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**Access Instructions:** <http://opdgig.dos.ny.gov/#/map>, go to "Commercial Fishing," then "Regional"

# Communities At Sea – Lobster Commercial Fishing Activity: 2011-2013

NY Geographic Information Gateway

**Source:** Grant F. Walton Center for Remote Sensing and Spatial Analysis (CRSSA), Rutgers University



# Communities At Sea – Lobster Commercial Fishing Activity: 2011-2013



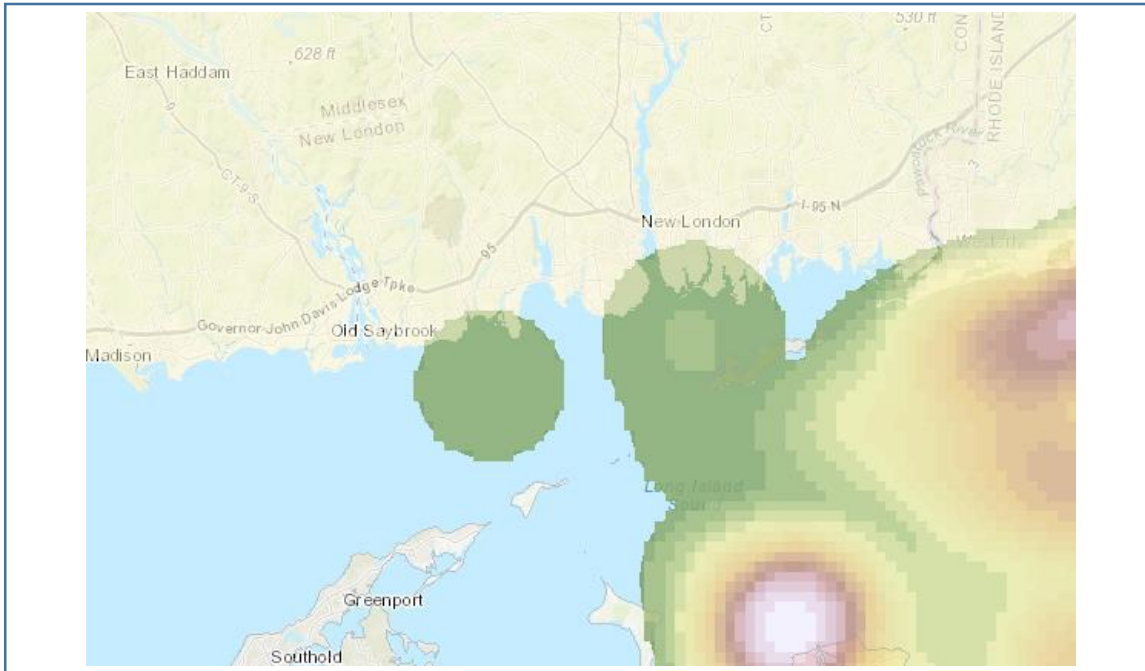
**Blue Plan Sector(s):** Fish & Shellfish Resources > Commercial Fishing

**Summary Description:** Communities at Sea maps link fishing communities to specific resource areas in the ocean. They are developed by linking Federal Vessel Trip Report (VTR) data to vessel permit data. VTRs include trip date, number of crew on board, species and quantities caught, and trip locations, while the permit data includes a vessel's "principal port" as well as other variables describing the vessel itself (e.g. length, horsepower, and age). By linking the two, fishing communities can be categorized based on port and fishing gear group combinations as a function of port of origin or major gear type used on the vessel. For example, fishermen from Newport News, VA and Montauk, NY who fish using dredge gear can be grouped and mapped as two separate communities. This set of maps was created by using trip location point data as input to create density polygons representing visitation frequency ("fisherdays"). The Communities at Sea maps show total labor including crew time and the time spent in transit to and from fishing locations. They do not show other variables such as ex-vessel value or number of pounds landed. The results can be interpreted as maps of "community presence." All data were aggregated to the "community" level, none of the resultant maps represent a fishing area (i.e. "hot spot") of any individual fisherman or fishing vessel. Draft maps were reviewed and refined in consultation with diverse fishermen in several ports in each Mid-Atlantic state. Please refer to the following article for concepts and methodology: Mapping Community Use of Fisheries Resources in the U.S. Northeast Fishing communities were defined as a function of both port and major gear type used on the vessel. The groupings by VTR gear code used for each community gear type is listed below: Bottom Trawl: (further divided by vessel length, small 65 feet) OTF: OTTER TRAWL, BOTTOM, FISH OTC: OTTER TRAWL, BOTTOM, SCALLOP OT: OTTER TRAWL, BOTTOM, OTHER OTB: OTTER TRAWL, BEAM PTB: PAIR TRAWL, BOTTOM Seine SED: SEINE, DANISH SES: SEINE, SCOTTISH STS: SEINE, STOPPUR: PURSE SEINEDredge DRS: DREDGE, SCALLOP, SEADR: DREDGE, MUSSEL DRO: DREDGE, OTHER Gillnet GNS: GILL NET, SINK GND: GILL NET, DRIFT, LARGE MESH GNT: GILL NET, DRIFT, SMALL MESH GNR: GILL NET, RUN AROUND Longline LLB: LONGLINE, BOTTOM LLP: LONGLINE, PELAGIC Lobster PTL: POT, LOBSTER Pots and Traps PTS: POT, SHRIMP PTC: POT, CRAB PTF: POT, FISH PTO: POT, OTHER TRP: TRAP PTX: POT, MIXED PTH: POT, HAG PTW: POT, CONCH/WHELK

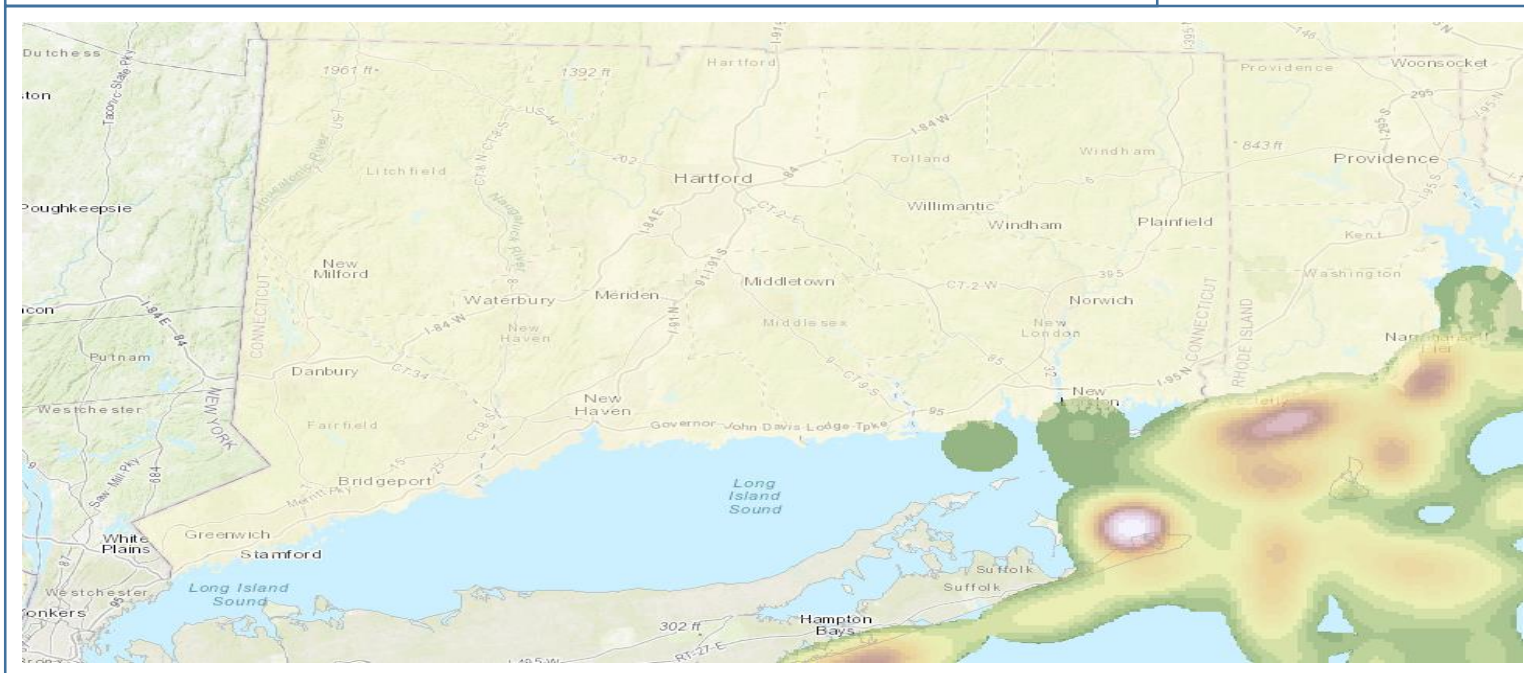
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**Access Instructions:** <http://opdgig.dos.ny.gov/#/map>, go to "Commercial Fishing," then "Regional"

# Communities At Sea – Groundfish Less than 65 ft Commercial Fishing Activity: 2011-2013 NY Geographic Information Gateway



**Source:** Grant F. Walton Center for Remote Sensing and Spatial Analysis (CRSSA), Rutgers University



# Communities At Sea – Groundfish Less than 65 ft Commercial Fishing

## Activity: 2011-2013



**Blue Plan Sector(s):** Fish & Shellfish Resources > Commercial Fishing

**Summary Description:** Communities at Sea maps link fishing communities to specific resource areas in the ocean. They are developed by linking Federal Vessel Trip Report (VTR) data to vessel permit data. VTRs include trip date, number of crew on board, species and quantities caught, and trip locations, while the permit data includes a vessel's "principal port" as well as other variables describing the vessel itself (e.g. length, horsepower, and age). By linking the two, fishing communities can be categorized based on port and fishing gear group combinations as a function of port of origin or major gear type used on the vessel. For example, fishermen from Newport News, VA and Montauk, NY who fish using dredge gear can be grouped and mapped as two separate communities. This set of maps was created by using trip location point data as input to create density polygons representing visitation frequency ("fisherdays"). The Communities at Sea maps show total labor including crew time and the time spent in transit to and from fishing locations. They do not show other variables such as ex-vessel value or number of pounds landed. The results can be interpreted as maps of "community presence." All data were aggregated to the "community" level, none of the resultant maps represent a fishing area (i.e. "hot spot") of any individual fisherman or fishing vessel. Draft maps were reviewed and refined in consultation with diverse fishermen in several ports in each Mid-Atlantic state. Please refer to the following article for concepts and methodology: Mapping Community Use of Fisheries Resources in the U.S. Northeast Fishing communities were defined as a function of both port and major gear type used on the vessel. The groupings by VTR gear code used for each community gear type is listed below: Bottom Trawl: (further divided by vessel length, small 65 feet) OTF: OTTER TRAWL, BOTTOM, FISH OTC: OTTER TRAWL, BOTTOM, SCALLOP OT: OTTER TRAWL, BOTTOM, OTHER OTB: OTTER TRAWL, BEAM PTB: PAIR TRAWL, BOTTOM Seine SED: SEINE, DANISH SES: SEINE, SCOTTISH STS: SEINE, STOPPUR: PURSE SEINEDredge DRS: DREDGE, SCALLOP, SEADR: DREDGE, MUSSEL DRO: DREDGE, OTHER Gillnet GNS: GILL NET, SINK GND: GILL NET, DRIFT, LARGE MESH GNT: GILL NET, DRIFT, SMALL MESH GNR: GILL NET, RUN AROUND Longline LLB: LONGLINE, BOTTOM LLP: LONGLINE, PELAGIC Lobster PTL: POT, LOBSTER Pots and Traps PTS: POT, SHRIMP PTC: POT, CRAB PTF: POT, FISH PTO: POT, OTHER TRP: TRAP PTX: POT, MIXED PTH: POT, HAG PTW: POT, CONCH/WHELK

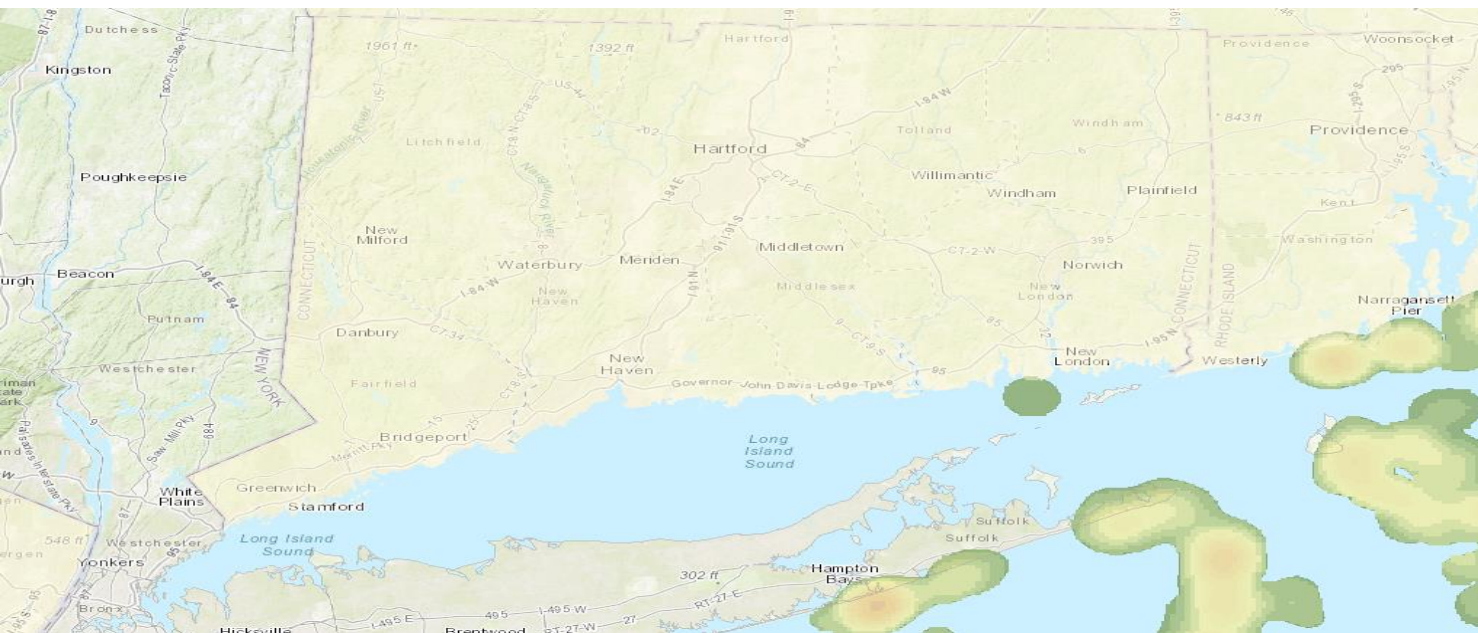
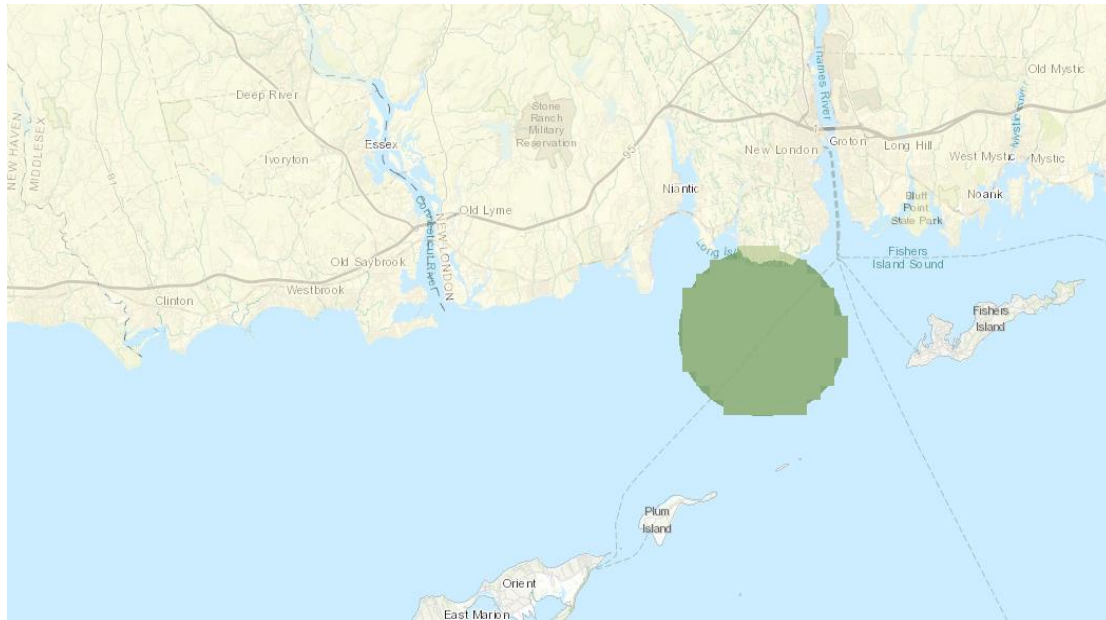
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**Access Instructions:** <http://opdgig.dos.ny.gov/#/map>, go to "Commercial Fishing," then "Regional"

# Communities At Sea – Gillnet Commercial Fishing Activity: 2011-2013

NY Geographic Information Gateway

**Source:** Grant F. Walton Center for Remote Sensing and Spatial Analysis (CRSSA), Rutgers University



# Communities At Sea – Gillnet Commercial Fishing Activity: 2011-2013



**Blue Plan Sector(s):** Fish & Shellfish Resources > Commercial Fishing

**Summary Description:** Communities at Sea maps link fishing communities to specific resource areas in the ocean. They are developed by linking Federal Vessel Trip Report (VTR) data to vessel permit data. VTRs include trip date, number of crew on board, species and quantities caught, and trip locations, while the permit data includes a vessel's "principal port" as well as other variables describing the vessel itself (e.g. length, horsepower, and age). By linking the two, fishing communities can be categorized based on port and fishing gear group combinations as a function of port of origin or major gear type used on the vessel. For example, fishermen from Newport News, VA and Montauk, NY who fish using dredge gear can be grouped and mapped as two separate communities. This set of maps was created by using trip location point data as input to create density polygons representing visitation frequency ("fisherdays"). The Communities at Sea maps show total labor including crew time and the time spent in transit to and from fishing locations. They do not show other variables such as ex-vessel value or number of pounds landed. The results can be interpreted as maps of "community presence." All data were aggregated to the "community" level, none of the resultant maps represent a fishing area (i.e. "hot spot") of any individual fisherman or fishing vessel. Draft maps were reviewed and refined in consultation with diverse fishermen in several ports in each Mid-Atlantic state. Please refer to the following article for concepts and methodology: Mapping Community Use of Fisheries Resources in the U.S. Northeast Fishing communities were defined as a function of both port and major gear type used on the vessel. The groupings by VTR gear code used for each community gear type is listed below: Bottom Trawl: (further divided by vessel length, small 65 feet) OTF: OTTER TRAWL, BOTTOM, FISHOTC: OTTER TRAWL, BOTTOM, SCALLOPOTO: OTTER TRAWL, BOTTOM, OTHEROTB: OTTER TRAWL, BEAMPOTB: PAIR TRAWL, BOTTOMSeineSED: SEINE, DANISHSES: SEINE, SCOTTISHSTS: SEINE, STOPPUR: PURSE SEINEDredgeDRS: DREDGE, SCALLOP, SEADRM: DREDGE, MUSSELDRO: DREDGE, OTHERGillnetGNS: GILL NET, SINKGND: GILL NET, DRIFT, LARGE MESHGNT: GILL NET, DRIFT, SMALL MESHGNR: GILL NET, RUNAROUNDLonglineLLB: LONGLINE, BOTTOMLLP: LONGLINE, PELAGICLobsterPTL: POT, LOBSTERPots and TrapsPTS: POT, SHRIMPPTC: POT, CRABPTF: POT, FISHPTO: POT, OTHERTRP: TRAPPTX: POT, MIXEDPTH: POT, HAGPTW: POT, CONCH/WHELK

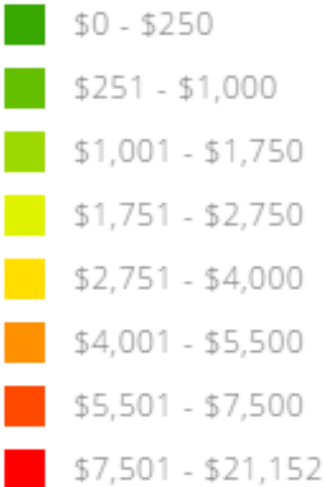
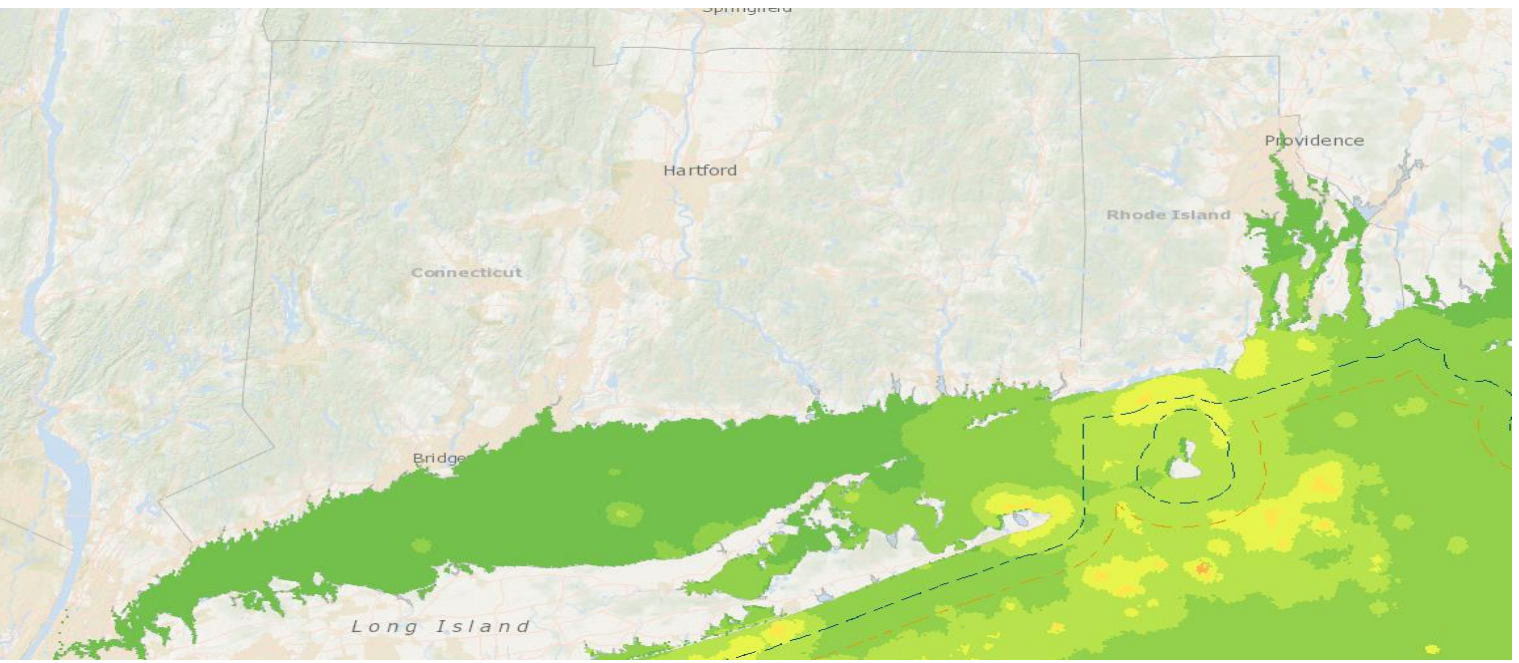
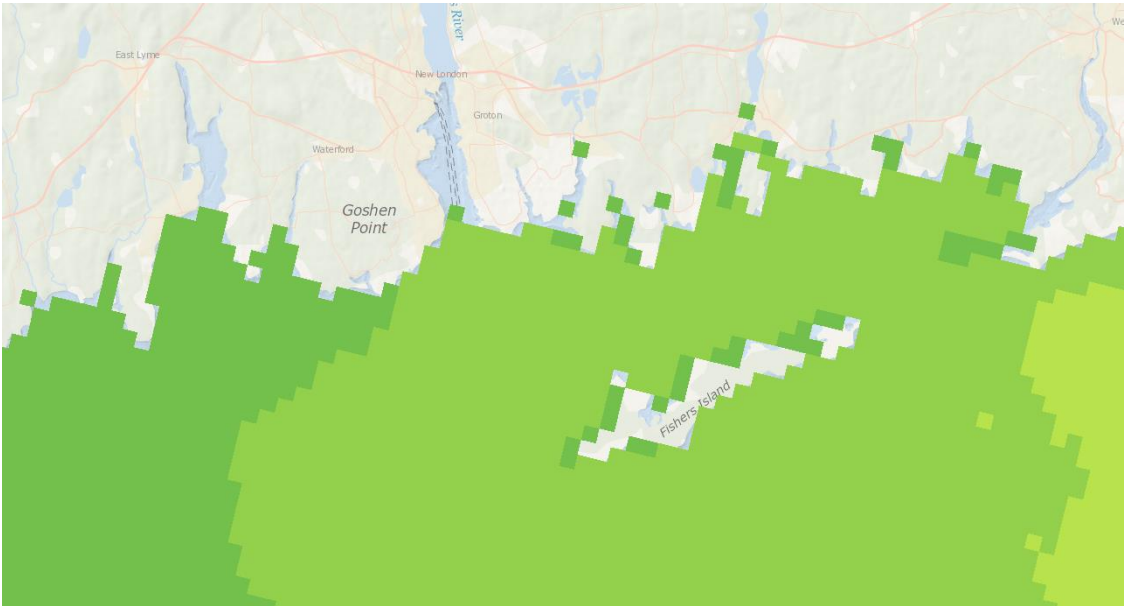
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**Access Instructions:** <http://opdgig.dos.ny.gov/#/map>, go to "Commercial Fishing," then "Regional"

# Atlantic Fishing Revenue Intensity 2007-2012

Marine Cadastre National Viewer

Source: Bureau of Ocean Energy Management





# Atlantic Fishing Revenue Intensity 2007-2012

**Blue Plan Sector(s):** Fish & Shellfish Resources > Commercial Fishing

**Summary Description:** This is a single data set from a larger study. The full study is titled "Socio-Economic Impact of Outer Continental Shelf Wind Energy Development on Fishing in the U.S. Atlantic". Each quarter square km (500 m) cell has been summed for the mean correlated economic value over the six year period analyzed (2007-2012). This information was created for each state, gear type, Fishery Management Plan (FMP), top 30 exposed ports and top 30 exposed species. This was calculated using Vessel Trip Reports (VTR), Cumulative Distribution Function (CDF) which estimates radial distance within which fishing activity is likely to occur, and a 500 m raster cell output. The value is in US dollars for 2012 representing the sum of the mean values for all six years, and then classified into one of the 8 classes. The top 30 species included in this assessment are: Ocean Quahog, Surf Clam, Little Skate, Squid (Illex & Loligo), Menhaden, Winter Skate, Channeled Whelk, Red Grouper, Atlantic Herring, Vermillion Snapper, Atlantic Croaker, Jonah Crab, Red Hake, Atlantic Mackerel, Silver Hake, King Mackerel, Butterfish, Yellowtail Founder, Winter Flounder, Summer Flounder, Black Sea Bass, Monkfish, Bluefish, Lobster, Spiny Dogfish, Scup, Skates, Cod, Sea Scallop.

Note: Local and regionally important fisheries such as shrimp are not included in this analysis so users should remember that the actual mean revenue if all species were included may be much greater in some areas.

**Full Description:** <https://www.boem.gov/ESPIS/5/5580.pdf>

**Access Instructions:** <https://marinecadastre.gov/nationalviewer/>, enter "fishing revenue" in the "Filter by tags" box