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INTRODUCTION

The United States with its long coastline on two oceans, the great inland lakes, and large rivers, is among the leading nations of the world concerned with commercial fishing. The gear and fishing vessels are naturally of a great variety, but the hook, the net, and the trap are still, as they have been for centuries, the main types of gear used. Hooks by the hundreds are now used on one line, called the long-line; nets have been developed into purse seines, beam and otter trawls, and mile-long gill nets; traps have been enlarged into the gigantic traps for salmon and the extensive Great Lakes trap nets. Sail and steam have given way to gasoline and Diesel power. Shipbuilding techniques and fishing experiences are reflected in the modern fishing vessel. When the fishing grounds are located far from the home port, freezing facilities have sometimes been installed aboard the vessel. Most of the larger fishing vessels are now equipped with electronic navigation and fish-finding devices. A recent development in fishing gear is the power block used in the salmon fisheries. The midwater trawl has been successfully introduced into some European fisheries within the last few years, but this gear is still in the experimental stage in America.

A selection of some of the most important types of fishing gear and vessels in use today, in the United States and Alaska, is illustrated in this leaflet. Descriptions of representative types of fishing vessels are also included. General range of length, beam, draft, net tonnage, construction, engine, refrigeration, speed, average crew, length of trip and convertibility, are indicated. The main fishing areas are shown on maps, and includes only United States fishing activities.

Leaflets describing in detail some of the fishing methods mentioned herein are available on request. See list inside back cover.
TUNA CLIPPER

Length in Feet: 6 to 150
Beam in Feet: 20 to 32
Draft in Feet: 8.4 to 15.4
Net Tonnage: 60 to 300
Construction: Steel or Wood
Engine: Type: Diesel
          Horsepower: 250 to 1200
Type of Refrigeration: Mechanical or Brine Tanks
Cruising Speed: 10 to 12 Knots
Average Crew: 9 to 21
Length of Trip: 35 to 85 Days
Convertibility to Other Types of Gear: None

MAIN AREA OF FISHING OPERATION

[Map of the Pacific Ocean with indications of the main area of fishing operation]
TUNA BAIT FISHING
Lampona Seine

TWO-POLE TUNA FISHING
HALIBUT SCHOONER

Pacific Coast

Length in Feet .................. 55 to 85
Beam in Feet .......................... 15 to 23
Draft in Feet ......................... 7 to 10
Net Tonnage ..................... 30 to 55
Construction ....................... Wood
Engine: Type ...................... Gas or Diesel
   Horsepower .................. 125 to 300
Type of Refrigeration .............. Ice
Cruising Speed .................... 6 to 10 Knots
Average Crew ..................... 5 to 10
Length of Trip ..................... 20 Days
Convertibility to Other Types of Gear  Trawl, and Troll

MAIN AREA OF FISHING OPERATION

ALASKA  CANADA  PACIFIC OCEAN

Wash. Oregon
HALIBUT LONG-LINE

STEEL CABLE LONG-LINE
SALMON TROLLING

SALMON TROLLER

Length in Feet.......................... 25 to 60
Beam in Feet............................ 8 to 18
Draft in Feet............................ 2.5 to 7
Net Tonnage............................. 5 to 26
Construction............................ Wood, some Steel

Engine: Type............................. Diesel or Gas
Horsepower.............................. 25 to 165
Type of Refrigeration................... Ice
Cruising Speed.......................... 6 to 10 Knots
Average Crew............................ 1 to 3
Length of Trip.......................... Up to 14 Days
Convertibility to Other Types of Gear
Halibut Long Line,
Albacore Trolling

MAIN AREA OF FISHING OPERATION

ALASKA
CANADA
PACIFIC OCEAN

Wash.
Oregon
Calif
SNAPPER FISHING

SNAPPER SCHOONER

FISHING REEL WITH WIRE LINE
HALF KEG HOLDING LINE
SOUNCING LEAD

Sinker 2½ - 3½ lbs
4 ft

RED SNAPPER
Lutjanus blackfordi

SNAPPER BOAT

Length in Feet 32 to 103
Beam in Feet 10 to 30
Draft in Feet 3 to 11
Net Tonnage 5 to 98
Construction Wood
Engine: Type Oil
Horsepower 30 to 110
Type of Refrigeration Ice
Cruising Speed 6 to 10 Knots
Average Crew 2 to 10
Length of Trip 7 to 14 Days
Convertibility to Other Types of Gear Tuna Long Line

MAIN AREA OF FISHING OPERATION

GULF OF MEXICO

Texas
Texas
Miss. Ala.
La.
Florida

Campeche

MEXICO

MEXICO
SWORDFISH VESSEL

Length in Feet .................. 32 to 83
Beam in Feet ..................... 9 to 21
Draft in Feet .................... 3 to 10
Net Tonnage ..................... 5 to 56
Construction ..................... Wood
Engine: Type ..................... Diesel or Gas
                            Horsepower .................. 50 to 150
Type of Refrigeration .......... Ice or None
Cruising Speed .................. 5 to 8 Knots
Average Crew ................... 2 to 3
Length of Trip .................. 1 to 16 Days
Convertibility to Other Types of Gear .................. Trawl, Seine, Lobster Pots, Clam Dredge and Gill Netter

MAIN AREA OF FISHING OPERATION

ATLANTIC OCEAN
SWORDFISH HARPOONING GEAR

FROM ABOVE
HARPON
"LILY IRON"

POLE OR PIKE
18 FT.

KEG BUOY

HUNTING LINE OR WARP

PULPIT
RETRIEVING LINE
HUNTING LINE

STRIKER

40 TO 150 FATHOMS LINE
ATLANTIC TRAWLER

Length in Feet: 85.5 to 140
Beam in Feet: 18.3 to 26
Draft in Feet: 10 to 15
Net Tonnage: 150 or over
Construction: Wood or Steel
Engine: Type: Diesel
Horsepower: 320 to 735
Type of Refrigeration: Ice
Cruising Speed: 7 to 15 Knots
Average Crew: 8 to 17
Length of Trip: 5 to 14 Days
Convertibility to Other Types of Gear: None

MAIN AREA OF FISHING OPERATION

ATLANTIC OCEAN

CANADA

Mass
ATLANTIC DRAGGER, MEDIUM

Length in Feet ................. 60 to 100
Beam in Feet .................. 14 to 23
Draft in Feet ................ 6 to 13
Net Tonnage .................. 51 to 150
Construction .................. Wood or Steel
Engine: Type .................. Diesel
               Horsepower ....... 155 to 400
Type of Refrigeration ....... Ice
Cruising Speed .............. 6 to 13 Knots
Average Crew ................ 5 to 15
Length of Trip ............... 1 to 14 Days
Convertibility to
Other Types of Gear ........ Scallop Dredge,
                                 Purse Seine, and
                                 Harpoon

MAIN AREA OF FISHING OPERATION

CANADA

Maine

ATLANTIC OCEAN
ATLANTIC OTTER TRAWL
ATLANTIC DRAGGER, SMALL

Length in Feet .................. 30 to 74
Beam in Feet .................... 9 to 20
Draft in Feet ................... 2½ to 9
Net Tonnage .................... 50 or under
Construction ................... Wood
Engine: Type .................... Diesel or Gas
               Horsepower ............ 50 to 260
Type of Refrigeration ........ Ice
Cruising Speed ............... 4.5 to 11 Knots
Average Crew ................. 2 to 9
Length of Trip ................ 1 to 8 Days
Convertibility to Other Types of Gear .......... Gill Net, Clam Dredge, and Purse Seine

MAIN AREA OF FISHING OPERATION

ATLANTIC OCEAN
PACIFIC DRAGGER

Length in Feet............. 48 to 100
Beam in Feet............. 15 to 25
Draft in Feet............. 5 to 12
Net Tonnage............. 20 to 90
Construction............. Wood
Engine: Type............. Diesel
Horsepower............. 50 to 450
Type of Refrigeration............. Ice
Cruising Speed............. 9 to 12 Knots
Average Crew............. 4 to 7
Length of Trip............. 1 to 10 Days
Convertibility to Other Types of Gear............. Purse Seine,
Troll, Tuna and Halibut Long-Line

MAIN AREA OF FISHING OPERATION

ALASKA

CANADA

PACIFIC OCEAN

Wash.
Oregon
Calif.
**SHRIMP TRAWLER**  
*Large*

<table>
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<tr>
<th>LARGE</th>
<th>MEDIUM</th>
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<tr>
<td>Length in Feet</td>
<td>50 to 90</td>
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<td>25 to 38</td>
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<tr>
<td>Convertibility to</td>
<td>Hand Lines</td>
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<tr>
<td>Other Types of Gear</td>
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**MAIN AREA OF FISHING OPERATION**

- **N.C.**
- **S.C.**
- **Ga.**
- **Fl.**
- **Texas**
- **Louisiana**
- **Miss.**
- **Ala.**
- **Gulf of Mexico**
- **MEXICO**
SHRIMP TRAWLER
Medium

SHRIMP TRAWL
**Beam Trawler (Shrimp), Alaska**

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<th>Specification</th>
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<tr>
<td>Average Crew</td>
<td>3 to 4</td>
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<tr>
<td>Length of Trip</td>
<td>1 Day</td>
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<tr>
<td>Convertibility to</td>
<td>None</td>
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**MENHADEN PURSE SEINER**

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<td>Draft in Feet</td>
<td>8 to 11.8</td>
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<td>Net Tonnage</td>
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<td>Type of Refrigeration</td>
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<td>Cruising Speed</td>
<td>9 to 16 Knots</td>
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<td>Average Crew</td>
<td>23 to 34</td>
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<tr>
<td>Length of Trip</td>
<td>1 to 5 Days</td>
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<tr>
<td>Convertibility to Other Types of Gear</td>
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</table>

**MAIN AREA OF FISHING OPERATION**

[Map of the Atlantic Ocean and the Gulf of Mexico]
MENHADEN PURSE SEINING

READY TO BRAIL CATCH

MENHADEN PURSE SEINE
**SALMON PURSE SEINER**

Length in Feet: 35 to 80
Beam in Feet: 16.5 to 22
Draft in Feet: 3.5 to 9
Net Tonnage: 7 to 40
Construction: Wood
Engine: Type: Diesel or Gas
Horsepower: 35 to 300
Type of Refrigeration: None
Cruising Speed: 8.5 to 14 Knots
Average Crew: 4 to 9
Length of Trip: 1 to 2 Days
Convertibility to Other Types of Gear: Long-Line, Trawl and Troll
SALMON PURSE SEINING

LIFTING THE PURSE

HAULING THE SEINE

DRUM SEINING
North Pacific Coast

LENGTH OF PURSE SEINE 250 TO 300 FATHOMS AND ABOUT 18 FATHOMS DEEP (STRETCHED)

PURSING THE NET
PURSE LINE 5 LIKELY IN BY THE PINCH AND COILED DOWN ON DECK

PURSE RINGS SLIP OFF THE PIN WHEN DRUM IS WINDING IN THE NET

CLOTHESPIN HOLDING THE RINGS AFTER PURSING THE NET

FISHERMAN OPERATING DRUM AND LEVEL-WIND CONTROLS

A MECHANICAL OR HYDRAULIC SYSTEM OPERATE THE DRUM. DRUM IS A-B FEET IN DIAM, CORE OF DRUM ABOUT 10 INCHES IN DIAM

PURSE LINE
HERRING AND SALMON PURSE SEINER

Length in Feet .................. 50 to 90
Beam in Feet .................. 14 to 28
Draft in Feet .................. 5 to 12
Net Tonnage .................. 20 to 100
Construction .................. Wood, some Steel
Engine: Type .................. Diesel
Horsepower .................. 165 to 500
Type of Refrigeration .......... Mechanical
Cruising Speed ................ 8 to 15 Knots
Average Crew .................. 5 to 12
Length of Trip .................. 1 to 5 Days
Convertibility to
Other Types of Gear .......... Pilchard and Tuna Seine

MAIN AREA OF FISHING OPERATION

Herring and Salmon
PURSE SEINER

CIRCULAR 48, COMMERCIAL FISHING VESSELS AND GEAR
SARDINE AND TUNA PURSE SEINER

Length in Feet .................. 65 to 100
Beam in Feet .................... 19 to 28
Draft in Feet ................... 10 to 13
Net Tonnage .................... 50 to 150
Construction .................... Wood
Engine: Type ..................... Diesel
Horsepower ...................... 165 to 600
Type of Refrigeration ........... Mechanical or Ice
Cruising Speed .................. 8 to 10 Knots
Average Crew ................... 10 to 13
Length of Trip ................... 1 to 30 Days
Convertibility to Other Types of Gear ................ Trawl
GILL NET
Great Lakes

Great Lakes Tug

GILL NET OPERATION
Great Lakes

OUTBOARD SWINGING ARM ROLLER

NET LIFTER IN OPERATION

NET LIFTER

TOP VIEW

SIDE VIEW

NET BOX

DRYING GILL NETS
GILL NET
North Atlantic

GILL NETTER

<table>
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<th>Specification</th>
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<td>Draft in Feet</td>
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<td>Construction</td>
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<tr>
<td>Engine: Type</td>
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<tr>
<td>Horsepower</td>
<td>100 to 170</td>
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<tr>
<td>Type of Refrigeration</td>
<td>None</td>
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<tr>
<td>Cruising Speed</td>
<td>5 to 10 Knots</td>
</tr>
<tr>
<td>Average Crew</td>
<td>3 to 7</td>
</tr>
<tr>
<td>Length of Trip</td>
<td>8 Hours to 1 Day</td>
</tr>
<tr>
<td>Convertibility to Other Types of Gear</td>
<td>Lobster Pots, Trawl, Clam Dredge</td>
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</tbody>
</table>

MAIN AREA OF FISHING OPERATION

ATLANTIC OCEAN

Maine
Mass. R.I. Conn.
SALMON GILL NETTER

North Pacific Coast

SALMON GILL NETTER

Length in Feet .................. 22 to 32
Beam in Feet .................... 7 to 16.5
Draft in Feet ................... 1 1/2 to 3
Net Tonnage ..................... 1/2 to 7
Construction ................. Wood
Engine: Type ................. Gas
   Horsepower .............. 50 to 140
Type of Refrigeration ........ None
Cruising Speed ............... 7 to 22 Knots
Average Crew ................ 1 to 2
Length of Trip ................ 1 to 2 Days
Convertibility to
   Other Types of Gear ......... Hand-Line,
                              Troll

MAIN AREA OF FISHING OPERATION

ALASKA

CANADA

PACIFIC OCEAN

Wash
**PACIFIC SHARK GILL NETTER**

- **Length in Feet**: 30 to 60
- **Beam in Feet**: 10 to 15
- **Draft in Feet**: 3 to 7
- **Net Tonnage**: 6 to 25
- **Construction**: Wood
- **Engine: Type**: Gas
  - **Horsepower**: 75 to 150
- **Type of Refrigeration**: None
- **Cruising Speed**: 8 to 11 Knots
- **Average Crew**: 4 to 5
- **Length of Trip**: 2 to 6 Days
- **Convertibility to Other Types of Gear**: Purse Seine, Troll, Trawl, and Halibut Long-Line

**MAIN AREA OF FISHING OPERATION**

- **Wash.**
- **Oregon**
- **Calif.**

**PACIFIC OCEAN**
POUND NET
Great Lakes

FYKE NET
Inland Waters

2 x 5 feet in diameter  9 to 18 feet in length
SMELT FISHING
Great Lakes Region

SMELT
Osmerus mordax
LOBSTER POTS
Maine

LOBSTERS ARE MEASURED FOR LEGAL SIZE
LOBSTERS PACKED IN ICE FOR SHIPMENT

LOBSTER POTS

POT
BUOY
TOGGLE BUOY
5' 10' 30' FT LINE
5' 10' 30' FATHOMS

SPINY LOBSTER TRAP
Florida

SPINY LOBSTER
Panulirus argus

FLORIDA

TRAPS ARE SET IN DEPTHS OF 3 TO 7 FATHOMS

CALIFORNIA

SPINY LOBSTER
Panulirus interruptus

BAIT AND WEIGHT ARE PLACED INSIDE THE TRAP

COVER
LOUGHS

FUNNEL
BUOY
CRAYFISH TRAP

Fresh-Water Fishing

DRAIN

WEIGHT
BLUE CRAB FISHING

PATENT CRAB TROT LINE

CHESAPEAKE BAY

BLUE CRAB
Callinectes sapidus

PATENT CRAB POT

CRAB Pottie

BOAT

RULERS

BOAT

ROLLERS

BAG

WIRE NET

BAG

Bait

WIRE NET

Bait

Main Area of Fishing Operation

ATLANTIC OCEAN

Md.

Va.

N.C.

PATENT CRABBER

Length in Feet .................. 32 to 40
Beam in Feet .................. 8 to 12
Draft in Feet .................. 3 to 4
Net Tonnage .................. 5 to 7
Construction .................. Wood
Engine: Type .................. Gas
   Horsepower .................. 25 to 100
Type of Refrigeration ........ None
Cruising Speed ................ 8 to 10 Knots
Average Crew ................ 1 to 2
Length of Trip ................ 1 Day
Convertibility to
   Other Types of Gear ........ Trot Line
DUNGENESS CRAB TRAP
Pacific Coast

DUNGENESS CRAB TRAP
Pacific Coast

DUNGENESS CRAB
Cancer magister

DUNGENESS CRAB BOAT

Length in Feet ....................... 30 to 65
Beam in Feet ....................... 10 to 14
Draft in Feet ....................... 3 to 6
Net Tonnage ....................... 3 to 20
Construction ....................... Wood or Steel
Engine: Type ....................... Diesel or Gas
Horsepower ....................... 75 to 150
Cruising Speed ..................... 8 to 14 Knots
Average Crew ..................... 2 to 3
Length of Trip ..................... 1 to 10 Days
Convertibility to
Other Types of Gear ................ Purse Seine,
Troll, and Halibut Long-Line

MAIN AREA OF FISHING OPERATION

ALASKA

CANADA

PACIFIC OCEAN

Wash.

Oregon

Calif.
OYSTER GEAR
Chesapeake Bay

OYSTER DREDGE
Atlantic Coast

SUCTION TYPE
**OYSTER DREDGE**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Range</th>
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</thead>
<tbody>
<tr>
<td>Length in Feet</td>
<td>34 to 96</td>
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<tr>
<td>Beam in Feet</td>
<td>8 to 23</td>
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<tr>
<td>Draft in Feet</td>
<td>2.5 to 8</td>
</tr>
<tr>
<td>Net Tonnage</td>
<td>25 to 70</td>
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<tr>
<td>Construction</td>
<td>Wood</td>
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<tr>
<td>Engine: Type</td>
<td>Diesel or Gas</td>
</tr>
<tr>
<td>Horsepower</td>
<td>25 to 275</td>
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<tr>
<td>Type of Refrigeration</td>
<td>None</td>
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<tr>
<td>Cruising Speed</td>
<td>8 to 15 Knots</td>
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<tr>
<td>Average Crew</td>
<td>1 to 10</td>
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<tr>
<td>Length of Trip</td>
<td>1 Day</td>
</tr>
<tr>
<td>Convertibility to Other Types of Gear</td>
<td>Clam or Crab Dredge</td>
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</tbody>
</table>

**MAIN AREA OF FISHING OPERATION**

- Atlantic Ocean
- Gulf of Mexico
- Mexico
**CLAM DREDGER**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Minimum</th>
<th>Maximum</th>
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<tbody>
<tr>
<td>Length in Feet</td>
<td>31</td>
<td>62</td>
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<tr>
<td>Beam in Feet</td>
<td>9</td>
<td>18</td>
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<tr>
<td>Draft in Feet</td>
<td>3</td>
<td>9</td>
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<tr>
<td>Net Tonnage</td>
<td>3</td>
<td>40</td>
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<tr>
<td>Construction</td>
<td>Wood</td>
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</tr>
<tr>
<td>Engine: Type</td>
<td>Diesel or Gas</td>
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<tr>
<td>Horsepower</td>
<td>25</td>
<td>250</td>
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<tr>
<td>Type of Refrigeration</td>
<td>None</td>
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<tr>
<td>Cruising Speed</td>
<td>8</td>
<td>11</td>
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<tr>
<td>Average Crew</td>
<td>1</td>
<td>3</td>
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<tr>
<td>Length of Trip</td>
<td>1</td>
<td>Day</td>
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<tr>
<td>Convertibility to Other Types of Gear</td>
<td>Trawl, Gill Net, Crab Dredge, and Trot Line</td>
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**MAIN AREA OF FISHING OPERATION**

![Map of the Atlantic Coast showing areas of clam fishing operation.](image)
CLAM FISHING

Atlantic Coast

CLAM HOE

BULL RAKE
LENGTH OF HANDLE
UP TO 35"

OPERATION

BULL RAKE
TONGS

TONGS
LENGTH OF SHIFTS
UP TO 20"

HYDRAULIC
CLAM DREDGE
CHESAPEAKE BAY

JETS

Hose

CONVEYOR

MOTOR

DREDGE IN OPERATION

SOFT-SHELL CLAM
*Mya arenaria*
SEA SCALLOP FISHING

SEA SCALLOP DRAGGER

- Length in Feet: 40 to 100
- Beam in Feet: 16 to 22
- Draft in Feet: 6.5 to 11
- Net Tonnage: 15 to 80
- Construction: Wood
- Engine: Type - Diesel, Horsepower - 110 to 330
- Type of Refrigeration: Ice
- Cruising Speed: 7 to 12 Knots
- Average Crew: 6 to 12
- Length of Trip: 6 to 12 Days
- Convertibility to Other Types of Gear: Purse Seine, Otter Trawl, and Long-Line

MAIN AREA OF FISHING OPERATION
ABALONE FISHING
California

Length in Feet: 24 to 32
Beam in Feet: 8 to 10
Draft in Feet: 2 to 3
Net Tonnage: 4 to 6
Construction: Wood
Engine: Type: Gas
Horsepower: 90 to 165
Type of Refrigeration: None or Ice
Cruising Speed: 8 to 12 Knots
Average Crew: 3
Length of Trip: 6 to 8 Days
Convertibility to Other Types of Gear: None

MAIN AREA OF FISHING OPERATION
PACIFIC OCEAN
California
MEXICO

RED ABALONE SHELL
Haliotis rufescens
DIVING FOR ABALONE AT 30 TO 100 FEET
SPONGE FISHING
Florida

**Sponge Boat**

- **Length in Feet**: 36 to 48
- **Beam in Feet**: 11 to 15
- **Draft in Feet**: 4 to 6
- **Net Tonnage**: 6 to 10
- **Construction**: Wood
- **Engine**: Type Diesel or Gas
  - **Horsepower**: 25 to 150
- **Type of Refrigeration**: None
- **Cruising Speed**: 6 to 8 Knots
- **Average Crew**: 5 to 8
- **Length of Trip**: 1 to 20 Days
- **Convertibility to Other Types of Gear**: Otter Trawl (Shrimp), and Hand Lines

**Main Area of Fishing Operation**

- **Main Area**
  - Atlantic Ocean
  - Gulf of Mexico
NET KNOTS and NEEDLES

SINKERS

RINGED LEAD SINKERS
4 oz. to 8 oz. for SALMON TROLLING
Others from 8 oz. to 32 oz.

SALMON TROLLING SINKER
2 to 16 POUNDS

CASTING SINKERS

CANNON BALL SINKER

SPINNING SINKER

BANK SINKERS

PYRAMID SINKER

CLINCHER SINKERS
**FISH HOOKS**

Variety of Patterns

- Spear Point
- Hollow Point
- Bean Point
- Diamond Point
- Superior
- Filed Point
- Karbed
- Straight
- Reversed

- Marked Eye
- Ball Eye
- Looped Eye
- Needle Eye
- Hole in Flat
- Flattened
- Marked Shank
- Marked Tapered
- Angled Shank

- Runged Hook
- Eyed Hook
- Turned Up Tapered Eye
- Turned Down
- Turned Down Ball Eye
- Turned Up

- Circle Hook
- Squid Hooks
- Humped Shank
- Slices on Shank
- Shank Bent Back

**SALMON HOOKS**

- Size Variation

**HALIBUT HOOKS**

**CODFISH HOOKS**

**HERRING BAIT HOOK**
TIES for EYE and TAD HOOKS

- Loop
- Fly Hitch
- Multiple Hitch
- Fishhook Tie
- Loop with Half Hitch
- Fisherman's
- Single Sheet Bend
- Twist Knot
- Inside Round Turn
- Triple Turn Jaw Knot
- Sliding Overhand
- Figure of Eight
- Return Knot
- Clove Hitch
- Hitches Around Shark
- Round Turn in Loop
- Whipping (Overhand when finished)
TUNA JIGS

PLASTIC JIGS

DOUBLE TUNA HOOK  SQUID BAIT HOOK  PIPE SQUID

FISHING SPOONS

for
The Commercial Fisherman

EGG WOBBLER
(Salmon Spoon)
SWIVELS

BARREL SWIVELS

BOX SWIVELS

BUCKET SWIVEL

CROSS LINE SWIVEL

SNAP SWIVEL

LINK SWIVEL

TROLLING SWIVEL

HEAVY DUTY SWIVEL

PUMP SWIVEL

THREE POLE TUNA SWIVEL

CODFISH SWIVELS

PURSE LINE SWIVEL and LINKS

SNAP SWIVEL

FLOATS and BUOYS

CORK SEINE FLOATS

AMBER CLEAR EXPANDED PLASTIC FLOATS

3 1/2 TO 6" DIAM.

4 1/2 TO 6" DIAM.

GLASS FLOATS

3" DIAM.

4" LONS

CECIL FLOATS

3" DIAM. 5" LONG

5" DIAM. 6" LONG

PLASTIC FLOATS

17" DIAM.

ROUND CANVAS FLOAT

SCOTCH BUOY BAG

For impregnated linen duck

MUNTARA FLOAT

STEEL BUOY

THAY "NET FLOATS"

BUOY KEG

Rubber bladder in canvas bag

6" DIAM

3" x 6" to 6" x 22"

3 to 15 gallon
FISHERY LEAFLETS

F. L. 64 - Construction and Operation of Lobster Gear
F. L. 225 - Gear Used in the Sea Scallop Fishery
F. L. 262 - Crab Pot Construction (Chesapeake Bay Type)
F. L. 291 - Trotline Construction, Operation and Maintenance (Chesapeake Bay Type)
F. L. 373 - Atlantic Coast Mackerel Purse Seine
F. L. 379 - New England Sink Gill Net
F. L. 386 - Pacific Salmon Drift Gill Netting
F. L. 387 - Commercial Salmon Trolling
F. L. 394 - Gulf of Mexico Shrimp Trawl Design
F. L. 302 - Kite Rigs for Otter Trawl Gear
F. L. 316 - Increasing the Spread of Shrimp Trawls
F. L. 343 - Floating Trawls
F. L. 365 - Drum Seining
F. L. 400 - The Pond Net Fishery in Virginia
F. L. 419 - Dungeness Crab Pots
F. L. 422 - Construction Details of Improved Tuna Long-Line Gear
F. L. 437 - Assembly Methods for Otter-Trawl Nets

Send requests to--

U. S. Fish and Wildlife Service
Department of the Interior
Washington 25, D. C.

Give leaflet number and title.