

## Marine Fish and Invertebrates – Shrimp Trawl Survey Areas

### description

Shrimp trawl surveys are conducted by Fisheries and Oceans Canada (DFO) to provide biomass indices of shrimp by species for the shrimp trawl fisheries. Surveys take place annually in the spring (late May to June) and all biota from each tow are recorded. The surveys are termed 'area swept' surveys, and are of a fixed station design. These surveys are considered to be fishery independent, defined as research efforts undertaken independent of commercial fishing activity. The four survey areas, defined as shrimp trawl masks, are illustrated here.

Data were provided by DFO as polygons.



PHOTO: 2009 PHOTO FRIENDS

### data sources

- Fisheries and Oceans Canada - Marine Ecosystem and Aquaculture Division - Shellfish Section

### data resolution

- None provided.

### date collected

- 2010

### reviewers

- Leslie Barton, Fisheries and Oceans Canada (April 2010)

### reviewer comments

- None provided.

### caveats of use


- Spatial extents of trawl surveys are limited. Lack of survey effort outside these areas should not be interpreted as lack of fish and invertebrate biota.
- Recommended date of expiry for use of these data in a marine planning context: None provided.

### map, feature data and metadata access

- Visit [www.bcmca.ca/data](http://www.bcmca.ca/data) for more information.

**BCMCA Atlas**  
**Marine Fish and Invertebrates**  
**Shrimp Trawl Survey Areas**

**Legend**

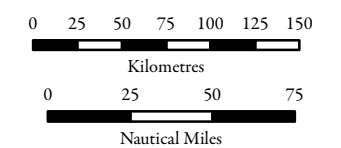
 Extents of Survey Areas

**Data Sources:**  
 Fisheries and Oceans Canada

**Base Data:**  
 ESRI Base Data, GeoBase, GeoBC,  
 NOAA, Natural Resources Canada,  
 USGS, Washington State Government

**Thematic Data:**  
 For more information on data sources  
 and methods please refer to the  
 facing page to this map

**Projection:** BC Albers NAD83



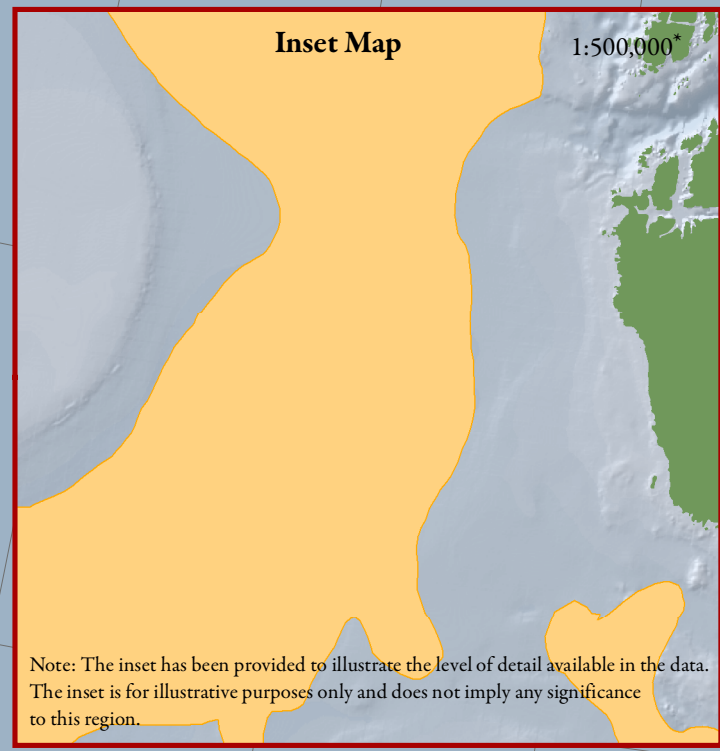
1:4,250,000 \*

\* Written scales are approximate and  
 are based on a 11 x 17 inch paper size.

Prepared for:



Map template by Caslys Consulting Ltd.  
 June 16, 2010



Note: The inset has been provided to illustrate the level of detail available in the data. The inset is for illustrative purposes only and does not imply any significance to this region.