

Trawl data from 14 R/V Pandalus cruises to the Coastal Gulf of Alaska from 1999-2004 as part of the U.S. GLOBEC program

Website: <https://www.bco-dmo.org/dataset/2472>

Data Type: Cruise Results

Version: 2

Version Date: 2021-05-18

Project

» [U.S. GLOBEC Northeast Pacific](#) (NEP)

Program

» [U.S. GLOBal ocean ECosystems dynamics](#) (U.S. GLOBEC)

Contributors	Affiliation	Role
Boldt, Jennifer L.	University of Alaska Fairbanks (UAF)	Principal Investigator
Haldorson, Lewis J.	University of Alaska Fairbanks (UAF)	Co-Principal Investigator
Piccolo, Jack	University of Alaska Fairbanks (UAF)	Co-Principal Investigator
Allison, Dicky	Woods Hole Oceanographic Institution (WHOI BCO-DMO)	BCO-DMO Data Manager

Abstract

Trawl data from 14 R/V Pandalus cruises to the Coastal Gulf of Alaska from 1999-2004 as part of the U.S. GLOBEC program

Table of Contents

- [Coverage](#)
 - [Dataset Description](#)
 - [Methods & Sampling](#)
 - [Data Processing Description](#)
 - [Data Files](#)
 - [Parameters](#)
 - [Instruments](#)
 - [Deployments](#)
 - [Project Information](#)
 - [Program Information](#)
 - [Funding](#)
-

Coverage

Spatial Extent: N:60.2097 E:-147.6399 S:58.383 W:-149.7733

Temporal Extent: 1999-08-27 - 2004-09-17

Dataset Description

Coastal Gulf of Alaska Trawl Data

Notes

- 1) This file was created to separate surface trawl samples used exclusively from 2001-2004 from gillnet and midwater trawl samples used in prior years. CPUE calculations based on these different gear types may not be directly comparable.
- 2) Gillnet and midwater trawl catch data from prior years will be reported separately.
- 3) Gear abbreviations: T = Surface Trawl
- 4) Gear description: Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface.
- 5) Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire

retrival begins.

6) Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the "Glength_September_2005" file because in some cases the number of fish measured was a subsample of total catch.

7) For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.

Data Collector/Primary Contact (for more information):

Lewis J. Haldorson
Fisheries Division
University of Alaska, Fairbanks
11120 Glacier Highway
Juneau, AK 99801
lew.haldorson@uaf.edu
Phone: 907-465-6446
FAX: 907-465-6447

Secondary Contact:

Jack Piccolo
UAF / SFOS
11120 Glacier Highway
Juneau, AK 99801
ftjip1@uaf.edu
Phone: 907-796-2055

Methods & Sampling

Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrival begins i. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.

Data Processing Description

BCO-DMO data manager processing notes:

* Version 2 (2021-05-18) replaces version 1 (2006-09-20). There was an unsupported character in the source file now fixed after the encoding conversion to utf-8.

[[table of contents](#) | [back to top](#)]

Data Files

File
trawl_catch.csv (Comma Separated Values (.csv), 193.25 KB) MD5:98ab1ba3198f4cdab666251bbc0e969f Primary data file for dataset ID 2472

[[table of contents](#) | [back to top](#)]

Parameters

Parameter	Description	Units
cruise_id	Note that this group used non standard cruise names; this field uses the standard naming convention; 'cruise_alt' below is alternate name.	text
ship	Name of the ship.	text
year	4-digit year in YYYY format.	unitless
cruise_alt	Alternate cruise ID.	Text
Trawl_ID	Concatenated station number and cast number (SxxCyy)	station+cast numbers
stn_no	Consecutive number of stations occupied during cruise.	dimensionless
cast	Consecutive number of gear deployments during station.	dimensionless
stn_std	Standard station.	dimensionless
lat_begin	Latitude at start of measurement.	decimal degrees
lon_begin	Longitude at start of measurment.	decimal degrees
lat_end	Latitude at end of measurement.	decimal degrees
lon_end	Longitude at end of measurement.	decimal degrees
water_depth	Depth of water.	meters ?
month_local	2-digit month, local time.	mm (01 to 12)
day_local	2-digit day of month, local time.	dd (01 to 31)
time_start_local	Local time at start of measurement, 24-hour clock.	HHMM
time_end_local	Local time at end of measurement, 24-hour clock.	HHMM
duration	duration of trawl in hours	hours
tow_dist	distance towed in nautical miles	nautical miles
tow_speed	in knots	knots
wave_ht	estimated wave conditions	text
wind_notes	estimated wind conditions	text
comments	misc. comments	text
common_name	Common name of the taxa.	text
genus_species	Taxonomic name.	text
life_stage	Life stage.	text
abund	catch per tow	dimensionless

[[table of contents](#) | [back to top](#)]

Instruments

Dataset-specific Instrument Name	Nordic 264 Rope Trawl
Generic Instrument Name	Nordic 264 Rope Trawl
Dataset-specific Description	Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface
Generic Instrument Description	A Nordic 264 surface rope trawl is a 198-m long, 25-m wide, 35-m vertical trawl net, equipped with a 1.2-cm mesh liner in the cod end and towed at the surface.

[[table of contents](#) | [back to top](#)]

Deployments

PA9901

Website	https://www.bco-dmo.org/deployment/57767
Platform	R/V Pandalus
Start Date	1999-08-26
End Date	1999-09-01
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0101

Website	https://www.bco-dmo.org/deployment/57561
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0101cr.pdf
Start Date	2001-07-08
End Date	2001-07-14
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0102

Website	https://www.bco-dmo.org/deployment/57562
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0102cr.pdf
Start Date	2001-08-11
End Date	2001-08-19
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0103

Website	https://www.bco-dmo.org/deployment/57563
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0103cr.pdf
Start Date	2001-09-18
End Date	2001-09-22
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0104

Website	https://www.bco-dmo.org/deployment/57564
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0104cr.pdf
Start Date	2001-10-21
End Date	2001-10-24
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0201

Website	https://www.bco-dmo.org/deployment/57565
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0201cr.pdf
Start Date	2002-07-20
End Date	2002-07-26
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0202

Website	https://www.bco-dmo.org/deployment/57566
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0202cr.pdf
Start Date	2002-08-20
End Date	2002-08-24
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0203

Website	https://www.bco-dmo.org/deployment/57567
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0203cr.pdf
Start Date	2002-10-03
End Date	2002-10-04
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0301

Website	https://www.bco-dmo.org/deployment/57568
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0301cr.pdf
Start Date	2003-07-13
End Date	2003-07-19
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0302

Website	https://www.bco-dmo.org/deployment/57569
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0302cr.pdf
Start Date	2003-08-01
End Date	2003-08-07
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0303

Website	https://www.bco-dmo.org/deployment/57570
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0303cr.pdf
Start Date	2003-09-09
End Date	2003-09-15
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0401

Website	https://www.bco-dmo.org/deployment/57571
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0401cr.pdf
Start Date	2004-07-18
End Date	2004-07-24
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0402

Website	https://www.bco-dmo.org/deployment/57572
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0402cr.pdf
Start Date	2004-08-17
End Date	2004-08-23
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

PA0403

Website	https://www.bco-dmo.org/deployment/57573
Platform	R/V Pandalus
Report	http://globec.whoi.edu/nep/reports/cgoa_cruises/pa0403cr.pdf
Start Date	2004-09-12
End Date	2004-09-17
Description	<p>Methods & Sampling Nordic 264 surface rope trawl (198-m long, 25-m wide, 35-m vertical height, equipped with a 1.2-cm mesh liner in cod end) towed at the surface. Start times for trawls are when all warp wire and doors have been let out, and end times are when warp wire retrieval begins. Numbers of fish caught from an event listed in this file may not match the count of number of fish measured in the 'Glength_September_2005' file because in some cases the number of fish measured was a subsample of total catch. For cruises G01-3 and G02-2 field identifications of juvenile salmon were inconsistent. Pink, chum, and sockeye, therefore, are all grouped under salmon, unidentified juvenile, as noted in the comment column.</p>

Project Information

U.S. GLOBEC Northeast Pacific (NEP)

Website: <http://nepglobec.bco-dmo.org>

Coverage: Northeast Pacific Ocean, Gulf of Alaska

Program in a Nutshell

Goal: To understand the effects of climate variability and climate change on the distribution, abundance and production of marine animals (including commercially important living marine resources) in the eastern North Pacific. To embody this understanding in diagnostic and prognostic ecosystem models, capable of capturing the ecosystem response to major climatic fluctuations.

Approach: To study the effects of past and present climate variability on the population ecology and population dynamics of marine biota and living marine resources, and to use this information as a proxy for how the ecosystems of the eastern North Pacific may respond to future global climate change. The strong temporal variability in the physical and biological signals of the NEP will be used to examine the biophysical mechanisms through which zooplankton and salmon populations respond to physical forcing and biological interactions in the coastal regions of the two gyres. Annual and interannual variability will be studied directly through **long-term observations** and detailed **process studies**; variability at longer time scales will be examined through **retrospective analysis** of directly measured and proxy data. Coupled **biophysical models** of the ecosystems of these regions will be developed and tested using the process studies and data collected from the long-term observation programs, then further tested and improved by hindcasting selected retrospective data series.

[[table of contents](#) | [back to top](#)]

Program Information

U.S. GLOBAL ocean ECosystems dynamics (U.S. GLOBEC)

Website: <http://www.usglobec.org/>

Coverage: Global

U.S. GLOBEC (GLOBAL ocean ECosystems dynamics) is a research program organized by oceanographers and fisheries scientists to address the question of how global climate change may affect the abundance and production of animals in the sea.

The U.S. GLOBEC Program currently had major research efforts underway in the Georges Bank / Northwest Atlantic Region, and the Northeast Pacific (with components in the California Current and in the Coastal Gulf of Alaska). U.S. GLOBEC was a major contributor to International GLOBEC efforts in the Southern Ocean and Western Antarctic Peninsula (WAP).

[[table of contents](#) | [back to top](#)]

Funding

Funding Source	Award
NSF Division of Ocean Sciences (NSF OCE)	OCE-0109078
National Oceanic and Atmospheric Administration (NOAA)	unknown NEP NOAA

[[table of contents](#) | [back to top](#)]