

Inventory of the U.S. GLOBEC Northeast Pacific project data from 145 cruises and moorings, from 1997-2004, in the Northeast Pacific and Gulf of Alaska areas (NEP project)

Website: <https://www.bco-dmo.org/dataset/2342>

Version: final

Version Date: 2007-04-18

Project

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

Program

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

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Dataset Description

Inventory of U.S. GLOBEC Northeast Pacific Data

This inventory uses the JGOFS data management system and the same hierarchical data structure used in many other data sets to store data about the data (metadata).

For further information contact the [Data Management Office](#)

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Parameters

Parameter	Description	Units
project	Name of project or cruiseid	n/a
platform	Platform name, e.g. ship name	n/a
year_p_start	Year the project started	localtime
month_p_start	Month the project started	localtime
day_p_start	Day the project started	localtime

year_p_end	Year the project ended	localtime
month_p_end	Month the project ended	localtime
day_p_end	Day the project ended	localtime
name_prin	Principal invenstigator's name This is the person responsible for this project.	n/a
brief_desc	Brief description of the project For cruises, indicates whether broadscale, process, mooring, etc.	n/a
data_type	Type of data collected This field is restricted to data types and instruments as defined in the thesaurus	n/a
siname	Name of scientific investigator responsible for this data_type	n/a
status	Status of the data, e.g. collected, on-line, etc. Keywords used in this field are strictly monitored.	n/a
year	Year that the status entry information	localtime
month	Month that the status entry information was added to the inventory	localtime
day	Day that the status entry information was added to the inventory	localtime
description	Descriptive text tied to this status entry. For status=on-line, this field will include the link to the data or information.	n/a

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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

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.

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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).

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Funding

Funding Source	Award
National Science Foundation (NSF)	unknown NEP NSF

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