

Metadata submitted to U.S. Antarctic Data Coordination Center from U.S. GLOBEC Northeast Pacific and Gulf of Alaska (NEP project);

Website: <https://www.bco-dmo.org/dataset/2340>

Version: 1

Version Date: 2015-05-04

Project

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

Program

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

Contributors	Affiliation	Role
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Dataset Description

DIF records

Directory Interchange Format (DIF) Metadata has been submitted to the [Global Change Master Directory](#) as part of the grantee obligation.

In general, any metadata record can be accessed directly through the URL:

[http://gcmd.nasa.gov/getdif.htm?\[entry_id\]](http://gcmd.nasa.gov/getdif.htm?[entry_id])

where [entry_id] = the Entry_ID of the metadata record, e.g. wind_stress_GB

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Data Files

File
dif_records.csv (Comma Separated Values (.csv), 579 bytes) MD5:6f9065da90388332dcd9e6ebd5955eb3
Primary data file for dataset ID 2340

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Parameters

Parameter	Description	Units
object_name	This is an internal link to the object's GCMD submission status.	text
status	This is the status of the object's GCMD submission.	text
year	year	numeric
month	month of year	numeric
day	day of month	numeric
description	This is the link to the GCMD DIF record.	text

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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

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
NSF Division of Ocean Sciences (NSF OCE)	unknown NEP NSF OCE

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