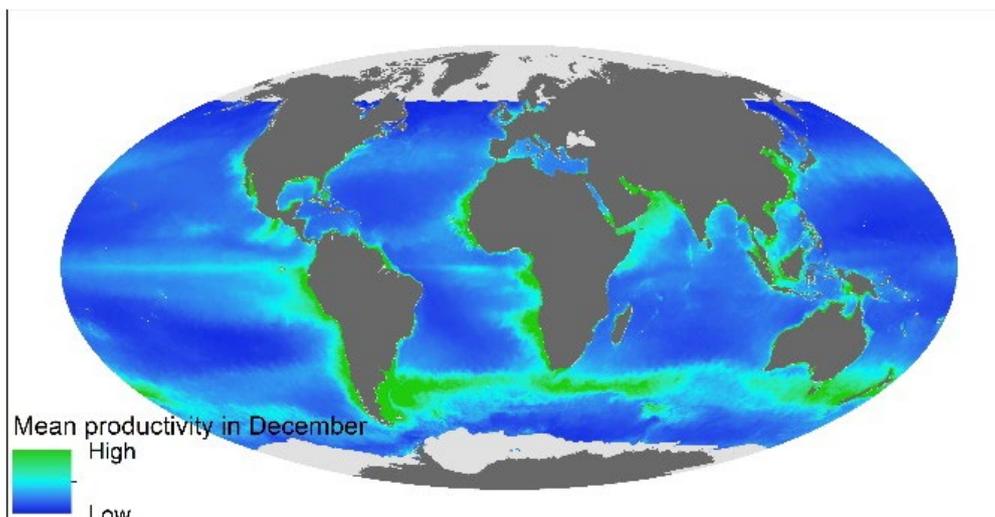


## Mean Sea Surface Productivity in December 2003-2007 (2008)



### Description:

**This dataset shows mean global sea surface Net Primary Productivity (NPP) values for the months of June and December, averaged for the period from 2003 to 2007. They were created using data from Oregon State University's Ocean Productivity database ([www.science.oregonstate.edu/ocean.productivity](http://www.science.oregonstate.edu/ocean.productivity)).**

### Citation:

Kershaw F (2008). Mean sea surface productivity in June and December, for the period 2003-2007. Using data from Oregon State University's Ocean Productivity database. In: Integrating highly migratory species into high seas marine protected area planning: a global gap analysis (Oxford University, Centre for the Environment), 113 pp. Cambridge (UK): UN Environment Programme World Conservation Monitoring Centre. Data DOI: <https://doi.org/10.34892/pn5r-3m57>

### Data collection date:

2003-2007

### Geographic range:

Global

### Supplementary information:

Net primary production is given in mg Carbon per sq-m and per day.

### Purpose of creation:

This dataset was created as part of a MSc thesis by Kershaw et al. (2008).

### Creation methodology:

Net primary production was calculated based on the standard VGPM (Vertically Generalized Production Model) algorithm, and using remotely-sensed images (Modis, SeaWiFS). See [www.science.oregonstate.edu/ocean.productivity](http://www.science.oregonstate.edu/ocean.productivity) for additional information on the models used, access to model code and ancillary datasets, as well as comparisons of productivity estimates for alternative datasets. A five year average was then calculated, for the period from 2003 to 2007; see Kershaw et al. (2008) for full details.

Version:	Not reported		
Category:	Environment descriptor		
Keywords:	marine, coastal, blue carbon, high seas, NPP, productivity, SeaWiFS, VGPM, model, environment descriptor		
Similar datasets:	WCMC-034		
Limitations:	This dataset is subject to algorithm uncertainties and assumptions. It is only representative of the period 2003 to 2007, and not of current net primary production estimates.		
Maintenance frequency:	Data are not being updated.		
Main access/use constraint:	UNEP-WCMC General Data License (excluding WDPA). See <a href="https://www.unep-wcmc.org/policies/general-data-license-excluding-wdpa#data_policy">https://www.unep-wcmc.org/policies/general-data-license-excluding-wdpa#data_policy</a> for details.		
Organisation type:	Custodian		
Contact Organisation:	UN Environment Programme World Conservation Monitoring Centre		
City:	Cambridge, UK		
E-mail:	<a href="mailto:oceanplus@unep-wcmc.org">oceanplus@unep-wcmc.org</a>		
Data format(s):	Raster; Raster (ESRI Grid);		
Webpage and/or download:	<a href="https://doi.org/10.34892/pn5r-3m57">https://doi.org/10.34892/pn5r-3m57</a>	Dataset size (uncompressed):	3.9 MB
Web map service:	<a href="http://www.arcgis.com/home/item.html?id=ae5c9b0a86b0412d9bed8b93ce414a70">http://www.arcgis.com/home/item.html?id=ae5c9b0a86b0412d9bed8b93ce414a70</a>		
Factsheet:	<a href="http://wcmc.io/environment-descriptors">http://wcmc.io/environment-descriptors</a>		
Resolution, scale:	0.18 dd		
West bounding:	-180	Reference system:	WGS 1984
South bounding:	-90	East bounding:	180
Metadata standard:	UNEP-WCMC Specific	North bounding:	90