

WESTERN CENTRAL PACIFIC FISHERIES COMMISSION

PUBLIC DOMAIN CATCH AND EFFORT DATA – LONGLINE

This dataset represents the most complete longline data available to the WCPFC that can be disseminated into the public domain in accordance with the current "Rules and Procedures for the Protection, Access to, and Dissemination of Data Compiled by the Commission" ("RAP" – see <http://www.wcpfc.int/doc/data-02/rules-and-procedures-protection-access-and-dissemination-data-compiled-commission>).

In reference to the RAP (Paragraph 9), cells where effort is less than or equal to the maximum value estimated to represent the activities of two vessels have been removed from the public domain data (the cells are retained with their time/area information, but all catch and effort information in these have been set to zero).

Reference to the Coordinating Working Party No can be found on <http://www.fao.org/cwp-on-fishery-statistics/handbook/general-concepts/major-fishing-areas-general/en/>

Note that catch and effort by area and month has been estimated for the domestic fisheries of Indonesia, Philippines and Vietnam.

DATASET STRUCTURE

Field Name	Picture	Description
YY	N(4)	Year
MM	N(2)	Month
LAT5	C(3)	Latitude. It represents the latitude of the south-west corner of 5° square for these data.
LON5	C(4)	Longitude. It represents the longitude of the south-west corner of 5° square for these data.
CWP_GRID	N(11)	Coordinating Working Party No
HHOOKS	N(6)	Hundreds of hooks (longline effort).
ALB_C	N(8, 3)	Albacore catch in metric tonnes.
ALB_N	N(6)	Albacore catch in numbers.
YFT_C	N(8, 3)	Yellowfin catch (metric tonnes)
YFT_N	N(6)	Yellowfin catch in numbers.
BET_C	N(8, 3)	Bigeye catch (metric tonnes).
BET_N	N(6)	Bigeye catch in numbers.
MLS_C	N(8, 3)	Striped Marlin catch (metric tonnes).
MLS_N	N(6)	Striped Marlin catch (number).
BLM_C	N(8, 3)	Black marlin catch (metric tonnes).
BLM_N	N(6)	Black marlin catch (number).
BLZ_C	N(8, 3)	Blue marlin catch (metric tonnes).
BLZ_N	N(6)	Blue marlin catch (number).
SWO_C	N(8, 3)	Swordfish catch (metric tonnes).
SWO_N	N(6)	Swordfish catch (number).
OTH_C	N(8, 3)	Other species catch (metric tonnes)
OTH_N	N(6)	The total of all other species catch (in numbers).

Statistics showing the amount of data removed and resultant coverage of the public domain data available to satisfy the RAP's three-vessel rule

Year	Effort (100s of hooks) for strata > 80,000 hooks/month	Total effort (100s of hooks)	Coverage of effort (%) after filtering for the three-vessel rule	Number of strata with effort > 80,000 hooks/month	Number of all 5x5/month strata	Coverage of strata (%) after filtering for the three-vessel rule
1950	34,153.0	40,467.0	84.4	12	40	30.0
1951	59,115.0	70,928.0	83.3	21	72	29.2
1952	991,401.6	1,130,213.6	87.7	244	620	39.4
1953	1,067,971.7	1,238,970.2	86.2	278	790	35.2
1954	1,174,182.9	1,386,500.5	84.7	264	1,006	26.2
1955	1,223,796.9	1,496,134.3	81.8	331	1,346	24.6
1956	1,208,062.3	1,480,423.8	81.6	303	1,325	22.9
1957	1,434,460.9	1,711,135.8	83.8	401	1,304	30.8
1958	1,859,564.6	2,166,593.1	85.8	491	1,498	32.8
1959	2,016,728.9	2,312,236.2	87.2	535	1,503	35.6
1960	2,243,037.4	2,543,814.3	88.2	581	1,567	37.1
1961	2,493,422.5	2,813,445.8	88.6	661	1,616	40.9
1962	2,217,052.3	2,591,270.1	85.6	684	1,869	36.6
1963	2,731,799.6	3,163,875.8	86.3	688	2,100	32.8
1964	1,809,965.5	2,215,634.7	81.7	563	2,105	26.7
1965	2,513,698.7	2,941,723.7	85.4	745	2,265	32.9
1966	2,635,380.5	3,072,791.9	85.8	780	2,405	32.4
1967	2,992,402.7	3,427,229.7	87.3	760	2,516	30.2
1968	3,150,234.2	3,593,444.6	87.7	746	2,564	29.1
1969	2,690,766.8	3,077,315.6	87.4	741	2,174	34.1
1970	2,997,638.8	3,463,114.2	86.6	765	2,543	30.1
1971	3,364,085.1	3,829,775.2	87.8	821	2,528	32.5
1972	3,029,032.7	3,463,846.4	87.4	763	2,329	32.8
1973	3,277,859.9	3,695,307.5	88.7	839	2,284	36.7
1974	3,720,713.1	4,133,339.3	90.0	850	2,316	36.7
1975	3,220,974.2	3,602,245.4	89.4	840	2,319	36.2
1976	3,299,390.1	3,728,206.9	88.5	962	2,721	35.4
1977	3,254,573.0	3,707,482.9	87.8	946	3,005	31.5
1978	3,210,501.0	3,677,038.1	87.3	862	2,836	30.4
1979	4,321,187.9	4,793,094.5	90.2	1,024	3,118	32.8
1980	4,657,831.0	5,084,681.3	91.6	1,109	3,386	32.8
1981	4,259,856.5	4,786,458.0	89.0	1,161	3,541	32.8
1982	3,825,716.0	4,282,872.5	89.3	1,071	3,073	34.9
1983	3,274,234.0	3,703,520.4	88.4	893	2,541	35.1
1984	3,512,338.1	3,950,443.8	88.9	985	2,716	36.3
1985	3,685,779.3	4,081,919.9	90.3	968	2,526	38.3
1986	3,106,403.0	3,536,045.5	87.8	821	2,319	35.4
1987	3,535,213.3	3,915,175.2	90.3	917	2,436	37.6
1988	4,351,550.1	4,728,768.5	92.0	1,015	2,584	39.3
1989	3,953,876.4	4,329,154.5	91.3	958	2,598	36.9
1990	3,883,030.7	4,218,839.6	92.0	897	2,493	36.0
1991	3,818,970.4	4,188,933.1	91.2	892	2,611	34.2
1992	5,014,918.3	5,392,026.1	93.0	936	2,888	32.4
1993	3,937,975.3	4,358,072.7	90.4	1,011	3,175	31.8
1994	4,424,317.6	4,843,847.9	91.3	1,093	3,242	33.7
1995	4,755,950.3	5,139,893.8	92.5	1,079	3,366	32.1
1996	4,237,874.8	4,647,589.5	91.2	1,007	3,346	30.1
1997	3,960,832.1	4,376,014.3	90.5	990	3,341	29.6
1998	4,890,370.7	5,307,466.5	92.1	1,107	3,543	31.2
1999	5,589,243.9	6,013,405.5	92.9	1,181	3,672	32.2
2000	6,153,398.1	6,631,538.7	92.8	1,203	4,071	29.6
2001	6,843,557.2	7,272,235.7	94.1	1,257	4,119	30.5
2002	7,892,947.4	8,298,105.7	95.1	1,388	5,066	27.4
2003	8,229,765.9	8,675,867.1	94.9	1,444	5,472	26.4
2004	8,707,486.7	9,138,066.6	95.3	1,463	5,842	25.0
2005	7,375,571.2	7,799,307.4	94.6	1,345	5,407	24.9
2006	7,449,992.9	7,857,698.2	94.8	1,362	5,334	25.5
2007	8,617,147.0	9,065,641.1	95.1	1,640	5,953	27.5
2008	8,893,912.9	9,303,435.4	95.6	1,624	5,266	30.8
2009	9,378,455.2	9,882,789.1	94.9	1,627	5,723	28.4
2010	9,452,980.7	9,961,231.9	94.9	1,563	6,363	24.6
2011	10,121,028.2	10,560,910.5	95.8	1,777	6,624	26.8
2012	10,805,789.6	11,234,555.8	96.2	1,771	7,368	24.0
2013	8,801,288.2	9,239,857.0	95.3	1,535	6,336	24.2
2014	9,070,390.3	9,488,627.9	95.6	1,547	5,799	26.7
2015	9,573,073.4	9,984,024.1	95.9	1,550	6,398	24.2
2016	9,005,435.0	9,436,094.6	95.4	1,511	6,465	23.4
2017	7,992,003.4	8,418,709.3	94.9	1,549	6,474	23.9
2018	8,852,684.2	9,295,166.5	95.2	1,579	6,707	23.5
2019	8,980,682.1	9,402,194.9	95.5	1,680	6,606	25.4
2020	8,072,568.4	8,511,080.3	94.8	1,530	6,454	23.7
2021	7,244,433.1	7,700,259.0	94.1	1,401	5,894	23.8
Total	340,434,026.0	368,610,123.9	92.4	71,938.0	245,822.0	29.3