

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.

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	3,043,576.8	3,499,155.7	87.0	771	2,543	30.3
1971	3,430,960.3	3,875,211.3	88.5	842	2,528	33.3
1972	3,035,246.6	3,467,757.3	87.5	767	2,329	32.9
1973	3,277,410.2	3,694,557.9	88.7	839	2,284	36.7
1974	3,719,215.8	4,131,068.2	90.0	850	2,316	36.7
1975	3,231,079.8	3,609,440.2	89.5	841	2,319	36.3
1976	3,298,146.6	3,729,784.2	88.4	960	2,721	35.3
1977	3,253,047.8	3,707,147.7	87.8	944	3,005	31.4
1978	3,231,974.8	3,695,341.3	87.5	869	2,836	30.6
1979	4,361,874.6	4,821,640.9	90.5	1,038	3,118	33.3
1980	4,715,328.5	5,144,850.5	91.7	1,118	3,351	33.4
1981	4,280,957.4	4,807,276.7	89.1	1,163	3,541	32.8
1982	3,890,869.8	4,335,170.1	89.8	1,086	3,073	35.3
1983	3,356,348.5	3,773,173.2	89.0	906	2,541	35.7
1984	3,552,109.9	3,994,728.6	88.9	986	2,716	36.3
1985	3,754,001.4	4,132,811.2	90.8	984	2,526	39.0
1986	3,198,614.2	3,615,128.2	88.5	835	2,319	36.0
1987	3,638,362.4	4,016,087.9	90.6	919	2,419	38.0
1988	4,460,271.4	4,827,867.1	92.4	1,021	2,560	39.9
1989	4,064,275.0	4,430,778.1	91.7	964	2,588	37.2
1990	3,927,354.7	4,263,875.7	92.1	897	2,477	36.2
1991	3,869,854.6	4,240,690.6	91.3	892	2,605	34.2

1992	5,282,542.9	5,662,463.7	93.3	937	2,874	32.6
1993	3,977,473.0	4,398,145.2	90.4	1,011	3,170	31.9
1994	4,501,474.8	4,922,103.4	91.5	1,093	3,233	33.8
1995	4,779,672.9	5,164,003.3	92.6	1,079	3,360	32.1
1996	4,273,975.6	4,684,016.7	91.2	1,007	3,323	30.3
1997	4,008,797.5	4,424,509.9	90.6	990	3,325	29.8
1998	4,962,935.4	5,380,670.1	92.2	1,107	3,534	31.3
1999	5,606,041.7	6,030,324.9	93.0	1,181	3,661	32.3
2000	5,767,993.9	6,246,213.6	92.3	1,177	4,012	29.3
2001	6,577,802.4	7,008,048.1	93.9	1,237	4,054	30.5
2002	7,459,558.3	7,865,430.1	94.8	1,365	4,992	27.3
2003	7,802,143.6	8,248,333.8	94.6	1,421	5,405	26.3
2004	8,374,861.7	8,807,640.6	95.1	1,425	5,789	24.6
2005	7,098,769.5	7,526,124.4	94.3	1,306	5,350	24.4
2006	7,179,258.7	7,591,400.1	94.6	1,323	5,268	25.1
2007	8,192,572.1	8,645,037.7	94.8	1,604	5,790	27.7
2008	8,602,642.7	9,015,908.0	95.4	1,592	5,161	30.8
2009	9,312,551.2	9,821,479.3	94.8	1,600	5,675	28.2
2010	9,109,230.5	9,624,822.0	94.6	1,533	6,241	24.6
2011	10,103,811.0	10,533,236.5	95.9	1,761	6,576	26.8
2012	10,234,559.3	10,664,930.7	96.0	1,733	7,320	23.7
2013	8,264,135.0	8,705,198.0	94.9	1,496	6,284	23.8
2014	9,060,526.4	9,485,298.0	95.5	1,496	5,694	26.3
2015	8,892,385.7	9,303,667.5	95.6	1,507	6,317	23.9
2016	8,265,690.8	8,696,626.9	95.0	1,463	6,353	23.0
2017	7,138,065.0	7,555,458.5	94.5	1,528	6,270	24.4
2018	8,343,979.1	8,774,474.6	95.1	1,560	6,659	23.4
2019	8,504,237.9	8,920,629.3	95.3	1,649	6,561	25.1
2020	7,139,231.9	7,579,817.9	94.2	1,493	6,421	23.3
2021	6,386,537.4	6,840,881.0	93.4	1,362	5,861	23.2
2022	6,511,858.8	6,958,532.6	93.6	1,352	5,879	23.0
Total	338,853,394.9	367,373,117.4	92.2	72,709.0	249,812.0	29.1