

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/>

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	1,135,183.1	87.3	244	1,410	17.3
1953	1,067,971.7	1,238,970.2	86.2	278	790	35.2
1954	1,174,182.9	1,390,918.0	84.4	264	1,796	14.7
1955	1,223,796.9	1,498,964.4	81.6	331	2,136	15.5
1956	1,208,062.3	1,480,423.8	81.6	303	1,325	22.9
1957	1,434,460.9	1,716,012.8	83.6	401	2,094	19.1
1958	1,718,437.8	2,024,937.0	84.9	478	2,288	20.9
1959	1,887,433.0	2,186,870.6	86.3	519	2,293	22.6
1960	2,113,207.4	2,420,535.9	87.3	562	2,357	23.8
1961	2,360,862.4	2,686,843.6	87.9	648	2,406	26.9
1962	2,155,439.1	2,534,398.3	85.0	675	2,659	25.4
1963	2,215,437.8	2,664,380.3	83.2	654	2,890	22.6
1964	1,669,390.0	2,081,871.4	80.2	552	2,919	18.9
1965	2,097,435.7	2,547,955.1	82.3	720	3,080	23.4
1966	2,553,302.3	3,020,306.8	84.5	772	3,219	24.0
1967	2,641,535.8	3,124,417.0	84.5	741	3,330	22.3
1968	2,515,748.1	3,000,498.7	83.8	729	3,378	21.6
1969	2,520,083.6	2,979,855.0	84.6	727	2,997	24.3
1970	2,460,895.1	3,040,058.2	80.9	749	3,366	22.3
1971	2,770,198.5	3,331,157.7	83.2	804	3,351	24.0
1972	3,007,821.5	3,545,668.8	84.8	765	3,152	24.3
1973	3,228,681.4	3,751,249.2	86.1	827	3,107	26.6
1974	3,806,287.5	4,307,542.0	88.4	869	3,139	27.7
1975	3,016,914.8	3,523,667.0	85.6	843	3,142	26.8
1976	3,273,085.3	3,848,857.5	85.0	981	3,545	27.7
1977	3,502,635.5	4,107,097.3	85.3	988	3,828	25.8
1978	3,083,740.1	3,702,038.2	83.3	905	3,659	24.7
1979	3,994,469.9	4,617,246.5	86.5	1,063	3,941	27.0
1980	4,368,883.2	4,930,619.3	88.6	1,142	4,209	27.1
1981	4,801,438.6	5,445,261.2	88.2	1,201	4,364	27.5
1982	4,280,409.3	4,865,279.7	88.0	1,110	3,896	28.5
1983	3,421,808.3	3,990,015.4	85.8	932	3,364	27.7
1984	3,797,416.8	4,379,120.8	86.7	1,030	3,539	29.1
1985	4,421,093.7	4,958,980.7	89.2	1,014	3,350	30.3
1986	3,402,337.7	3,959,192.7	85.9	894	3,142	28.5
1987	3,948,718.7	4,470,169.4	88.3	989	3,259	30.3
1988	4,744,368.6	5,260,725.2	90.2	1,099	3,407	32.3
1989	4,187,536.1	4,708,770.9	88.9	1,036	3,421	30.3
1990	4,277,372.8	4,760,761.5	89.8	985	3,316	29.7
1991	4,263,550.6	4,781,396.5	89.2	972	3,434	28.3
1992	4,440,153.7	4,975,640.9	89.2	1,023	3,711	27.6
1993	4,827,495.7	5,395,500.9	89.5	1,134	3,998	28.4
1994	5,350,294.1	5,766,803.2	92.8	1,204	3,737	32.2
1995	5,533,355.6	5,927,096.4	93.4	1,202	3,881	31.0
1996	5,123,812.9	5,540,189.9	92.5	1,143	3,876	29.5
1997	5,152,832.2	5,581,781.0	92.3	1,122	3,873	29.0
1998	5,913,470.0	6,347,352.1	93.2	1,230	4,048	30.4
1999	6,725,523.7	7,173,537.5	93.8	1,291	4,155	31.1
2000	7,319,704.4	7,802,750.7	93.8	1,321	4,551	29.0
2001	9,037,393.6	9,485,507.6	95.3	1,375	4,607	29.8
2002	9,382,501.8	9,808,036.4	95.7	1,513	5,490	27.6
2003	9,357,966.6	9,800,817.1	95.5	1,591	5,947	26.8
2004	10,017,736.5	10,467,069.3	95.7	1,617	6,343	25.5
2005	8,209,701.1	8,660,951.4	94.8	1,495	5,895	25.4
2006	8,459,269.4	8,896,836.1	95.1	1,500	5,872	25.5
2007	9,631,524.8	10,072,993.5	95.6	1,721	6,458	26.6
2008	9,921,619.3	10,317,935.3	96.2	1,705	5,727	29.8
2009	10,494,090.2	10,977,877.6	95.6	1,712	6,194	27.6
2010	10,454,927.9	10,923,758.9	95.7	1,696	6,825	24.8
2011	11,227,520.6	11,629,359.4	96.5	1,894	7,108	26.6
2012	11,844,540.8	12,249,668.0	96.7	1,880	7,868	23.9
2013	9,695,613.0	10,114,710.7	95.9	1,651	6,822	24.2
2014	9,935,837.2	10,340,635.8	96.1	1,650	6,293	26.2
2015	10,515,464.4	10,918,977.8	96.3	1,654	6,766	24.4
2016	10,066,172.0	10,489,091.7	96.0	1,625	6,737	24.1
2017	8,667,095.2	9,085,987.1	95.4	1,650	6,657	24.8
2018	9,524,789.5	9,944,982.0	95.8	1,704	7,114	24.0
Total	342,531,527.2	372,825,460.8	91.9	71,132.0	270,963.0	26.3

