

WESTERN CENTRAL PACIFIC FISHERIES COMMISSION

PUBLIC DOMAIN CATCH AND EFFORT DATA – LONGLINE BY FLAG, YEAR AND QUARTER

This database 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).

DATABASE FILE NAMES

- L_PUBLIC_BY_FLAG.xls
- L_PUBLIC_BY_FLAG.csv

DATABASE STRUCTURE

Field Name	Picture	Description
YY	N(4)	Year
QTR	N(1)	Quarter
FLAG_ID	C(2)	Flag codes (<u>when this field is blank</u> , the record is a cell representing activities of less than three vessels and so the EFFORT (hooks) and CATCH by SPECIES fields have not been provided.
LAT5	C(3)	Latitude. It represents the latitude of the <u>south-west corner</u> of 5° square for these data.
LON5	C(4)	Longitude. It represents the longitude of the <u>south-west corner</u> of 5° square for these data.
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 by flag data available to satisfy the RAP's three-vessel rule

Year	Effort (100s of hooks) for strata representing activities >2 vessels /month	Total effort (100s of hooks)	Coverage of effort (%) after filtering for the three-vessel rule	Number of strata representing activities >2 vessels/month	Number of all strata	Coverage of strata (%) after filtering for the three-vessel rule
1950	29,493.0	40,467.0	72.9	5	40	12.5
1951	58,504.0	70,928.0	82.5	10	46	21.7
1952	997,020.3	1,135,183.1	87.8	113	441	25.6
1953	1,083,298.2	1,238,970.2	87.4	139	387	35.9
1954	1,207,203.0	1,390,918.0	86.8	139	583	23.8
1955	1,257,034.2	1,498,989.7	83.9	170	713	23.8
1956	1,221,681.7	1,480,423.8	82.5	149	637	23.4
1957	1,464,878.1	1,716,012.8	85.4	198	690	28.7
1958	1,737,188.0	2,024,937.0	85.8	238	780	30.5
1959	1,915,376.5	2,186,870.6	87.6	254	793	32.0
1960	2,152,227.8	2,420,535.9	88.9	279	808	34.5
1961	2,418,578.9	2,686,843.6	90.0	333	796	41.8
1962	2,189,448.2	2,534,398.3	86.4	325	908	35.8
1963	2,288,957.0	2,664,380.3	85.9	346	1,012	34.2
1964	1,708,598.3	2,081,871.4	82.1	289	1,003	28.8
1965	2,104,826.8	2,547,955.1	82.6	359	1,053	34.1
1966	2,571,835.7	3,020,306.8	85.2	399	1,130	35.3
1967	2,638,312.4	3,124,417.0	84.4	388	1,231	31.5
1968	2,484,370.9	3,000,498.7	82.8	358	1,252	28.6
1969	2,554,905.4	2,979,855.0	85.7	370	1,084	34.1
1970	2,524,229.3	3,041,112.5	83.0	379	1,263	30.0
1971	2,809,896.1	3,331,157.7	84.4	415	1,277	32.5
1972	3,095,029.8	3,545,668.8	87.3	428	1,219	35.1
1973	3,327,031.0	3,751,249.2	88.7	479	1,175	40.8
1974	3,878,646.4	4,307,542.0	90.0	494	1,183	41.8
1975	3,066,329.6	3,527,298.4	86.9	444	1,211	36.7
1976	3,337,794.9	3,848,857.5	86.7	507	1,330	38.1
1977	3,560,745.4	4,107,097.3	86.7	518	1,483	34.9
1978	3,191,835.7	3,702,770.2	86.2	457	1,413	32.3
1979	4,023,461.0	4,617,437.2	87.1	537	1,500	35.8
1980	4,362,784.9	4,930,637.3	88.5	568	1,584	35.9
1981	4,867,545.4	5,445,261.2	89.4	623	1,678	37.1
1982	4,305,674.5	4,865,279.7	88.5	551	1,492	36.9
1983	3,537,935.8	3,990,015.4	88.7	472	1,270	37.2
1984	3,934,253.6	4,379,202.1	89.8	532	1,321	40.3
1985	4,536,179.0	4,958,980.7	91.5	514	1,259	40.8
1986	3,540,529.5	3,959,192.7	89.4	460	1,202	38.3
1987	4,066,978.8	4,470,169.4	91.0	489	1,203	40.6
1988	4,843,209.6	5,260,725.2	92.1	536	1,269	42.2
1989	4,259,875.3	4,708,770.9	90.5	523	1,333	39.2
1990	4,318,704.6	4,761,244.5	90.7	499	1,239	40.3
1991	4,376,381.2	4,781,396.5	91.5	504	1,322	38.1
1992	4,509,776.7	4,975,640.9	90.6	529	1,418	37.3
1993	4,875,827.0	5,395,500.9	90.4	583	1,522	38.3
1994	5,249,346.9	5,766,803.2	91.0	607	1,498	40.5
1995	5,429,648.8	5,928,157.4	91.6	620	1,558	39.8
1996	4,998,881.1	5,540,189.9	90.2	576	1,559	36.9
1997	5,015,647.8	5,581,870.4	89.9	565	1,533	36.9
1998	5,756,172.1	6,347,396.7	90.7	633	1,616	39.2
1999	6,589,115.5	7,173,537.5	91.9	659	1,645	40.1
2000	7,126,708.1	7,802,805.5	91.3	701	1,817	38.6
2001	8,854,543.8	9,486,663.9	93.3	741	1,829	40.5
2002	9,025,859.4	9,808,535.8	92.0	862	2,227	38.7
2003	8,939,105.8	9,801,008.2	91.2	903	2,407	37.5
2004	9,478,425.9	10,467,069.3	90.6	916	2,653	34.5
2005	7,754,925.1	8,661,043.2	89.5	872	2,434	35.8
2006	8,022,585.3	8,896,911.6	90.2	839	2,454	34.2
2007	9,122,699.2	10,073,382.0	90.6	985	2,638	37.3
2008	9,456,044.8	10,317,962.0	91.6	935	2,405	38.9
2009	10,020,342.7	10,977,902.6	91.3	945	2,557	37.0
2010	9,909,365.8	10,923,833.0	90.7	1,057	2,764	38.2
2011	10,597,282.4	11,629,390.2	91.1	1,163	2,918	39.9
2012	11,040,244.5	12,249,668.0	90.1	1,160	3,326	34.9
2013	9,065,738.1	10,115,859.8	89.6	1,001	2,925	34.2
2014	9,300,827.3	10,340,724.8	89.9	974	2,730	35.7
2015	9,855,033.3	10,918,977.8	90.3	993	2,807	35.4
2016	9,473,551.8	10,489,108.5	90.3	958	2,841	33.7
2017	8,038,850.7	9,085,987.1	88.5	959	2,766	34.7
2018	8,924,015.4	9,945,047.0	89.7	975	2,798	34.8
Total	334,279,354.9	372,836,805.5	89.7	38,501.0	106,258.0	36.2