

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 with 3 or more vessels	Number of all strata	Coverage of strata (%) after filtering for the three-vessel rule
1950	29,493.0	40,467.0	72.9	5	24	20.8
1951	58,504.0	70,928.0	82.5	10	46	21.7
1952	993,631.0	1,130,213.6	87.9	112	314	35.7
1953	1,083,298.2	1,238,970.2	87.4	139	387	35.9
1954	1,205,851.2	1,386,500.5	87.0	139	503	27.6
1955	1,253,832.8	1,496,159.6	83.8	169	642	26.3
1956	1,221,681.7	1,480,423.8	82.5	149	637	23.4
1957	1,462,865.3	1,711,135.8	85.5	198	615	32.2
1958	1,887,764.4	2,166,593.1	87.1	251	707	35.5
1959	2,045,020.7	2,312,236.2	88.4	265	721	36.8
1960	2,277,712.6	2,543,814.3	89.5	289	745	38.8
1961	2,544,561.5	2,813,445.8	90.4	339	734	46.2
1962	2,246,219.2	2,591,270.1	86.7	330	865	38.2
1963	2,804,155.6	3,163,875.8	88.6	364	959	38.0
1964	1,846,304.5	2,215,634.7	83.3	297	958	31.0
1965	2,509,085.1	2,941,723.7	85.3	375	1,023	36.7
1966	2,627,441.4	3,072,791.9	85.5	401	1,096	36.6
1967	2,943,719.5	3,427,229.7	85.9	391	1,197	32.7
1968	3,089,661.9	3,593,444.6	86.0	368	1,227	30.0
1969	2,659,930.0	3,077,315.6	86.4	366	1,054	34.7
1970	2,942,625.8	3,421,900.7	86.0	364	1,204	30.2
1971	3,294,389.6	3,788,615.5	87.0	400	1,220	32.8
1972	2,985,979.4	3,421,593.2	87.3	396	1,132	35.0
1973	3,241,575.8	3,647,564.5	88.9	450	1,098	41.0
1974	3,646,349.4	4,074,326.0	89.5	458	1,114	41.1
1975	3,107,892.5	3,545,899.6	87.6	412	1,139	36.2
1976	3,182,088.0	3,679,012.2	86.5	464	1,267	36.6
1977	3,099,456.3	3,637,379.5	85.2	462	1,424	32.4
1978	3,126,214.9	3,605,483.5	86.7	405	1,311	30.9
1979	4,142,512.1	4,709,874.6	88.0	487	1,398	34.8
1980	4,441,863.5	4,981,255.9	89.2	512	1,483	34.5
1981	4,032,586.8	4,617,600.5	87.3	544	1,594	34.1
1982	3,549,516.9	4,091,426.1	86.8	473	1,400	33.8
1983	3,098,040.5	3,513,480.3	88.2	404	1,145	35.3
1984	3,345,472.1	3,763,852.2	88.9	465	1,218	38.2
1985	3,467,170.8	3,867,560.2	89.6	438	1,130	38.8
1986	2,911,170.8	3,320,269.2	87.7	369	1,079	34.2
1987	3,248,423.4	3,637,075.0	89.3	398	1,069	37.2
1988	4,018,997.4	4,416,961.3	91.0	440	1,128	39.0
1989	3,574,781.1	4,010,337.7	89.1	426	1,191	35.8
1990	3,517,467.8	3,919,166.2	89.8	423	1,095	38.6
1991	3,462,695.1	3,845,705.5	90.0	426	1,189	35.8
1992	4,629,808.3	5,062,103.4	91.5	446	1,284	34.7
1993	3,419,166.5	3,939,469.7	86.8	475	1,377	34.5
1994	3,943,714.2	4,448,860.1	88.6	524	1,410	37.2
1995	4,122,350.0	4,618,893.8	89.2	521	1,466	35.5
1996	3,313,230.7	3,858,068.8	85.9	467	1,469	31.8
1997	3,231,869.2	3,775,926.2	85.6	461	1,432	32.2
1998	3,966,518.0	4,531,917.4	87.5	532	1,523	34.9
1999	4,591,890.8	5,138,843.0	89.4	564	1,551	36.4
2000	4,490,397.4	5,156,184.2	87.1	582	1,708	34.1
2001	5,325,148.9	5,922,063.7	89.9	626	1,712	36.6
2002	6,007,602.9	6,752,740.6	89.0	758	2,132	35.6
2003	6,337,343.2	7,189,531.9	88.1	780	2,299	33.9
2004	6,180,107.0	7,121,809.9	86.8	787	2,514	31.3
2005	5,646,206.2	6,499,771.6	86.9	761	2,291	33.2
2006	5,584,356.1	6,405,300.3	87.2	723	2,302	31.4
2007	6,247,647.1	7,160,799.6	87.2	874	2,494	35.0
2008	6,525,397.8	7,338,185.0	88.9	828	2,272	36.4
2009	6,717,486.4	7,646,213.8	87.9	827	2,432	34.0
2010	6,723,610.5	7,746,797.4	86.8	915	2,632	34.8
2011	7,172,369.8	8,199,347.7	87.5	1,011	2,773	36.5
2012	7,682,225.1	8,875,850.0	86.6	1,026	3,170	32.4
2013	6,219,928.6	7,251,914.5	85.8	882	2,767	31.9
2014	6,375,498.7	7,380,435.2	86.4	853	2,581	33.0
2015	6,594,596.8	7,675,582.3	85.9	881	2,756	32.0
2016	5,895,863.3	6,916,731.5	85.2	849	2,774	30.6
2017	6,105,098.1	7,180,931.7	85.0	863	2,722	31.7
2018	6,259,023.9	7,301,321.7	85.7	858	2,742	31.3
2019	6,864,507.5	7,900,116.9	86.9	921	2,776	33.2
2020	5,956,177.2	6,953,598.1	85.7	829	2,739	30.3
Total	274,357,143.7	313,939,822.7	87.4	35,997.0	105,582.0	34.1