

WESTERN CENTRAL PACIFIC FISHERIES COMMISSION

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

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_MON.xls
- L_PUBLIC_BY_FLAG_MON.csv

DATABASE STRUCTURE

Field Name	Picture	Description
YY	N(4)	Year
MM	N(2)	Month
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).
BSH_N	N(6)	Blue shark catch (number).
FAL_N	N(6)	Silky shark catch (number).
MAK_N	N(6)	Mako shark species catch (number).
OCS_N	N(6)	Oceanic whitetip shark catch (number).
THR_N	N(6)	Thresher shark species catch (number).

Field Name	Picture	Description
HAM_N	N(6)	Hammerhead shark species catch (number).
POR_N	N(6)	Porbeagle shark 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	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	1,855,170.8	2,166,593.1	85.6	499	1,498	33.3
1959	2,012,185.1	2,312,236.2	87.0	538	1,503	35.8
1960	2,238,607.1	2,543,814.3	88.0	587	1,567	37.5
1961	2,484,897.9	2,813,445.8	88.3	668	1,616	41.3
1962	2,197,025.5	2,591,270.1	84.8	689	1,869	36.9
1963	2,705,405.4	3,163,875.8	85.5	690	2,100	32.9
1964	1,788,869.1	2,215,634.7	80.7	574	2,105	27.3
1965	2,451,686.9	2,941,723.7	83.3	773	2,265	34.1
1966	2,566,084.5	3,072,791.9	83.5	807	2,405	33.6
1967	2,924,040.2	3,427,229.7	85.3	790	2,516	31.4
1968	3,074,983.9	3,593,444.6	85.6	766	2,564	29.9
1969	2,644,653.2	3,077,315.6	85.9	771	2,174	35.5
1970	2,929,917.2	3,420,846.4	85.6	777	2,495	31.1
1971	3,290,503.9	3,788,615.5	86.9	837	2,480	33.8
1972	2,953,855.5	3,421,593.2	86.3	760	2,280	33.3
1973	3,191,491.4	3,647,564.5	87.5	845	2,232	37.9
1974	3,651,413.9	4,074,326.0	89.6	888	2,267	39.2
1975	3,128,163.4	3,542,268.2	88.3	883	2,271	38.9
1976	3,139,713.6	3,679,012.2	85.3	978	2,673	36.6
1977	3,039,949.1	3,637,379.5	83.6	967	2,957	32.7
1978	3,067,194.6	3,604,751.6	85.1	864	2,716	31.8
1979	4,104,288.7	4,709,683.9	87.1	1,060	2,998	35.4
1980	4,415,945.7	4,981,237.9	88.7	1,139	3,231	35.3
1981	4,062,711.5	4,617,600.5	88.0	1,196	3,419	35.0
1982	3,669,273.4	4,091,426.1	89.7	1,096	2,953	37.1
1983	3,199,359.6	3,513,480.3	91.1	924	2,421	38.2
1984	3,369,833.3	3,763,770.9	89.5	998	2,596	38.4
1985	3,586,711.8	3,867,560.2	92.7	1,027	2,406	42.7
1986	3,087,409.8	3,320,269.2	93.0	874	2,199	39.7
1987	3,471,906.2	3,637,075.0	95.5	959	2,289	41.9
1988	4,268,791.9	4,416,961.3	96.6	1,054	2,433	43.3
1989	3,847,113.6	4,010,337.7	95.9	1,007	2,468	40.8
1990	3,744,196.3	3,918,683.2	95.5	954	2,347	40.6
1991	3,702,526.0	3,845,705.5	96.3	935	2,449	38.2
1992	4,869,335.6	5,062,103.4	96.2	992	2,702	36.7
1993	3,752,554.4	3,939,469.7	95.3	1,058	2,981	35.5
1994	4,236,537.3	4,448,860.1	95.2	1,170	3,054	38.3
1995	4,517,251.7	4,617,832.8	97.8	1,168	3,174	36.8
1996	4,011,093.1	3,858,068.8	104.0	1,060	3,167	33.5
1997	3,793,497.9	3,775,836.9	100.5	1,040	3,049	34.1
1998	4,726,058.4	4,531,872.8	104.3	1,186	3,223	36.8
1999	5,379,725.4	5,138,843.0	104.7	1,292	3,360	38.5
2000	5,923,405.7	5,156,129.3	114.9	1,339	3,657	36.6
2001	6,645,576.2	5,920,907.4	112.2	1,451	3,592	40.4
2002	7,474,172.3	6,752,241.2	110.7	1,724	4,397	39.2
2003	7,780,683.9	7,189,340.7	108.2	1,755	4,733	37.1
2004	8,245,286.1	7,121,809.9	115.8	1,811	5,234	34.6
2005	6,784,989.9	6,499,679.8	104.4	1,685	4,830	34.9
2006	6,957,027.6	6,405,224.7	108.6	1,667	4,763	35.0
2007	8,018,323.8	7,160,411.0	112.0	1,960	5,285	37.1
2008	8,385,698.9	7,338,158.4	114.3	1,872	4,739	39.5
2009	8,786,743.9	7,646,188.8	114.9	1,897	5,156	36.8
2010	8,701,775.0	7,746,722.3	112.3	2,089	5,745	36.4
2011	9,273,404.8	8,199,317.0	113.1	2,309	5,945	38.8
2012	9,773,431.6	8,875,850.0	110.1	2,323	6,780	34.3
2013	7,995,920.8	7,250,702.5	110.3	1,988	5,732	34.7
2014	8,290,392.0	7,380,345.8	112.3	1,912	5,237	36.5
2015	8,719,706.4	7,675,582.3	113.6	2,002	5,941	33.7
2016	8,200,845.8	6,916,666.9	118.6	1,900	5,765	33.0
2017	7,168,807.1	7,180,931.7	99.8	1,949	5,656	34.5
2018	8,005,707.7	7,301,291.6	109.6	1,957	6,104	32.1
2019	8,131,861.6	7,899,968.5	102.9	2,098	5,928	35.4
2020	7,297,113.7	6,951,396.7	105.0	1,875	5,804	32.3
2021	6,528,599.3	6,146,137.0	106.2	1,607	5,014	32.1
Total	321,434,551.5	320,072,187.9	100.4	81,164.0	228,012.0	35.6

