

## 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) 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	2,937,107.3	3,463,114.2	84.8	783	2,543	30.8
1971	3,293,479.0	3,829,775.2	86.0	839	2,528	33.2
1972	2,967,768.9	3,463,846.4	85.7	772	2,328	33.2
1973	3,215,747.9	3,695,307.5	87.0	865	2,280	37.9
1974	3,654,460.6	4,133,339.3	88.4	888	2,315	38.4
1975	3,148,826.2	3,602,245.4	87.4	895	2,319	38.6
1976	3,159,254.8	3,728,206.9	84.7	994	2,721	36.5
1977	3,048,202.0	3,707,482.9	82.2	971	3,005	32.3
1978	3,070,648.0	3,677,038.1	83.5	866	2,836	30.5
1979	4,109,420.8	4,793,094.5	85.7	1,062	3,118	34.1
1980	4,400,731.2	5,084,681.3	86.5	1,129	3,351	33.7
1981	4,048,454.0	4,786,458.0	84.6	1,191	3,539	33.7
1982	3,650,583.6	4,282,872.5	85.2	1,092	3,073	35.5
1983	3,185,822.3	3,703,520.4	86.0	919	2,541	36.2
1984	3,374,176.5	3,950,443.8	85.4	999	2,716	36.8
1985	3,590,698.7	4,081,919.9	88.0	1,029	2,526	40.7
1986	3,048,552.6	3,536,045.5	86.2	861	2,319	37.1
1987	3,449,181.3	3,915,175.2	88.1	959	2,409	39.8
1988	4,246,182.8	4,728,768.5	89.8	1,052	2,553	41.2
1989	3,824,695.9	4,329,154.5	88.3	1,006	2,588	38.9
1990	3,739,854.0	4,218,839.6	88.6	954	2,467	38.7
1991	3,689,844.9	4,188,933.1	88.1	935	2,569	36.4
1992	4,864,600.3	5,392,026.1	90.2	992	2,822	35.2
1993	3,744,057.3	4,358,072.7	85.9	1,058	3,101	34.1
1994	4,203,622.8	4,843,847.9	86.8	1,170	3,174	36.9
1995	4,510,210.2	5,139,893.8	87.7	1,168	3,294	35.5
1996	3,976,616.8	4,647,589.5	85.6	1,060	3,287	32.2
1997	3,730,138.7	4,376,014.3	85.2	1,040	3,179	32.7
1998	4,626,607.9	5,307,466.5	87.2	1,186	3,344	35.5
1999	5,334,702.9	6,013,405.5	88.7	1,292	3,480	37.1
2000	5,820,388.9	6,631,538.7	87.8	1,339	3,825	35.0
2001	6,523,717.0	7,272,235.7	89.7	1,451	3,760	38.6
2002	7,379,439.8	8,298,105.7	88.9	1,724	4,566	37.8
2003	7,667,052.5	8,675,867.1	88.4	1,755	4,903	35.8
2004	8,048,689.7	9,138,066.6	88.1	1,811	5,419	33.4
2005	6,751,455.0	7,799,307.4	86.6	1,685	5,022	33.6
2006	6,887,328.7	7,857,698.2	87.7	1,667	4,956	33.6
2007	7,936,249.9	9,065,641.1	87.5	1,960	5,456	35.9
2008	8,306,763.7	9,303,435.4	89.3	1,872	4,923	38.0
2009	8,735,297.2	9,882,789.1	88.4	1,897	5,324	35.6
2010	8,701,776.1	9,961,231.9	87.4	2,089	5,919	35.3
2011	9,273,405.0	10,560,910.5	87.8	2,309	6,153	37.5
2012	9,773,432.1	11,234,555.8	87.0	2,323	6,991	33.2
2013	7,995,920.4	9,239,857.0	86.5	1,988	5,939	33.5
2014	8,307,660.2	9,488,627.9	87.6	1,907	5,453	35.0
2015	8,719,705.8	9,984,024.1	87.3	2,002	6,068	33.0
2016	8,222,331.1	9,436,094.6	87.1	1,902	5,887	32.3
2017	7,191,944.8	8,418,709.3	85.4	1,949	5,777	33.7
2018	8,011,223.8	9,295,166.5	86.2	1,959	6,224	31.5
2019	8,158,256.0	9,402,194.9	86.8	2,097	6,048	34.7
2020	7,308,788.1	8,511,080.3	85.9	1,875	5,924	31.7
2021	6,601,247.9	7,700,259.0	85.7	1,649	5,397	30.6
2022	6,426,851.3	7,448,852.8	86.3	1,696	5,218	32.5
Total	326,729,929.0	376,058,976.7	86.9	82,939.0	240,162.0	34.5