

## 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	3,464,168.6	84.9	364	1,220	29.8
1971	3,294,389.6	3,829,775.2	86.0	400	1,236	32.4
1972	2,985,979.4	3,463,846.4	86.2	396	1,148	34.5
1973	3,241,575.8	3,695,307.5	87.7	450	1,114	40.4
1974	3,646,349.4	4,133,339.3	88.2	458	1,130	40.5
1975	3,107,892.5	3,605,876.8	86.2	412	1,155	35.7
1976	3,182,088.0	3,728,206.9	85.4	464	1,283	36.2
1977	3,099,456.3	3,707,482.9	83.6	462	1,440	32.1
1978	3,126,214.9	3,677,770.1	85.0	405	1,351	30.0
1979	4,142,512.1	4,793,285.1	86.4	487	1,438	33.9
1980	4,441,863.5	5,084,699.3	87.4	512	1,523	33.6
1981	4,032,586.8	4,786,458.0	84.2	544	1,634	33.3
1982	3,549,516.9	4,282,872.5	82.9	473	1,440	32.8
1983	3,098,040.5	3,703,520.4	83.7	404	1,185	34.1
1984	3,345,472.1	3,950,525.1	84.7	465	1,258	37.0
1985	3,467,170.8	4,081,919.9	84.9	438	1,170	37.4
1986	2,911,170.8	3,536,045.5	82.3	369	1,119	33.0
1987	3,248,423.4	3,915,175.2	83.0	398	1,109	35.9
1988	4,018,997.4	4,728,768.5	85.0	440	1,168	37.7
1989	3,574,781.1	4,329,154.5	82.6	426	1,231	34.6
1990	3,517,467.8	4,219,322.6	83.4	423	1,135	37.3
1991	3,462,695.1	4,188,933.1	82.7	426	1,229	34.7
1992	4,629,808.3	5,392,026.1	85.9	446	1,324	33.7
1993	3,419,166.5	4,358,072.7	78.5	475	1,417	33.5
1994	3,943,714.2	4,843,847.9	81.4	524	1,450	36.1
1995	4,122,350.0	5,140,954.8	80.2	521	1,506	34.6
1996	3,313,230.7	4,647,589.5	71.3	467	1,509	30.9
1997	3,231,869.2	4,376,103.7	73.9	461	1,477	31.2
1998	3,966,518.0	5,307,511.1	74.7	532	1,564	34.0
1999	4,591,890.8	6,013,405.5	76.4	564	1,591	35.4
2000	4,490,397.4	6,631,593.6	67.7	582	1,764	33.0
2001	5,325,148.9	7,273,391.9	73.2	626	1,768	35.4
2002	6,007,602.9	8,298,605.0	72.4	758	2,189	34.6
2003	6,337,343.2	8,676,058.3	73.0	780	2,357	33.1
2004	6,180,107.0	9,138,066.6	67.6	787	2,584	30.5
2005	5,646,206.2	7,799,399.2	72.4	761	2,361	32.2
2006	5,584,356.1	7,857,773.7	71.1	723	2,369	30.5
2007	6,247,647.1	9,066,029.6	68.9	874	2,553	34.2
2008	6,525,397.8	9,303,462.1	70.1	828	2,337	35.4
2009	6,717,486.4	9,882,814.1	68.0	827	2,488	33.2
2010	6,723,610.5	9,961,307.1	67.5	915	2,692	34.0
2011	7,172,369.8	10,560,941.2	67.9	1,011	2,849	35.5
2012	7,682,225.1	11,234,555.8	68.4	1,026	3,253	31.5
2013	6,219,928.6	9,241,069.0	67.3	882	2,847	31.0
2014	6,390,736.7	9,488,717.3	67.4	850	2,666	31.9
2015	6,594,596.8	9,984,024.1	66.1	881	2,801	31.5
2016	5,916,020.4	9,436,159.2	62.7	849	2,814	30.2
2017	6,127,650.1	8,418,709.3	72.8	864	2,762	31.3
2018	6,259,508.1	9,295,196.6	67.3	858	2,782	30.8
2019	6,864,858.3	9,402,343.3	73.0	921	2,816	32.7
2020	5,956,534.5	8,513,281.7	70.0	829	2,779	29.8
2021	5,323,407.4	7,700,259.0	69.1	708	2,538	27.9
Total	279,739,690.3	368,623,895.6	75.9	36,703.0	110,377.0	33.3