

WESTERN CENTRAL PACIFIC FISHERIES COMMISSION

PUBLIC DOMAIN CATCH AND EFFORT DATA – LONGLINE

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

- LONGLINE_60 (represent data for the 1950s and 1960s)
- LONGLINE_70 (1970s)
- LONGLINE_80 (1980s)
- LONGLINE_90 (1990s)
- LONGLINE_00 (2000s)

DATABASE STRUCTURE

Field Name	Picture	Description
YY	N(4)	Year
MM	N(2)	Month
LAT5	C(3)	Latitude. It represents the latitude of the south-west corner of 5° square for these data.
LON5	C(4)	Longitude. It represents the longitude of the south-west corner 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 data available to satisfy the RAP's three-vessel rule

Year	Effort (100s of hooks) for strata > 80,000 hooks/month	Total effort (100s of hooks)	Coverage of effort (%) after filtering for the three-vessel rule	Number of strata with effort > 80,000 hooks/month	Number of all 5x5/month strata	Coverage of strata (%) after filtering for the three-vessel rule
1950	36,047.0	40,467.0	89.1	14	40	35.0
1951	60,821.0	70,928.0	85.8	23	72	31.9
1952	1,028,554.2	1,168,131.7	88.1	285	1,396	20.4
1953	1,105,736.7	1,238,970.2	89.2	320	790	40.5
1954	1,224,662.1	1,430,442.0	85.6	320	1,782	18.0
1955	1,268,583.0	1,517,552.2	83.6	381	2,122	18.0
1956	1,260,414.5	1,480,423.8	85.1	362	1,325	27.3
1957	1,512,999.0	1,766,277.3	85.7	481	2,080	23.1
1958	1,783,905.7	2,037,254.4	87.6	551	2,274	24.2
1959	1,951,791.6	2,211,244.4	88.3	591	2,279	25.9
1960	2,184,726.8	2,439,961.9	89.5	642	2,343	27.4
1961	2,434,517.9	2,730,440.4	89.2	727	2,392	30.4
1962	2,249,194.3	2,568,140.9	87.6	778	2,645	29.4
1963	2,320,941.0	2,690,740.4	86.3	771	2,876	26.8
1964	1,741,726.9	2,091,102.6	83.3	632	2,908	21.7
1965	2,197,431.2	2,561,267.3	85.8	831	3,069	27.1
1966	2,695,120.3	3,141,993.2	85.8	888	3,208	27.7
1967	2,964,113.5	3,422,864.6	86.6	908	3,319	27.4
1968	2,662,854.7	3,128,421.9	85.1	852	3,367	25.3
1969	2,901,044.3	3,320,247.0	87.4	898	2,987	30.1
1970	2,947,962.7	3,426,022.4	86.0	981	3,356	29.2
1971	3,295,427.4	3,764,136.1	87.5	1,039	3,341	31.1
1972	3,804,624.8	4,231,667.1	89.9	1,031	3,142	32.8
1973	3,685,773.0	4,094,563.2	90.0	1,058	3,097	34.2
1974	4,212,190.4	4,637,613.0	90.8	1,037	3,129	33.1
1975	4,713,474.0	5,099,014.4	92.4	1,093	3,132	34.9
1976	5,066,620.2	5,458,308.9	92.8	1,283	3,535	36.3
1977	5,782,359.7	6,194,997.2	93.3	1,270	3,818	33.3
1978	5,818,613.8	6,240,972.7	93.2	1,201	3,649	32.9
1979	7,251,508.9	7,657,872.3	94.7	1,382	3,931	35.2
1980	6,474,637.3	6,870,697.7	94.2	1,413	4,199	33.7
1981	6,925,595.8	7,374,383.2	93.9	1,497	4,354	34.4
1982	6,425,233.5	6,841,899.4	93.9	1,406	3,886	36.2
1983	7,861,773.3	8,247,705.5	95.3	1,262	3,354	37.6
1984	6,601,103.3	6,979,470.0	94.6	1,343	3,529	38.1
1985	9,702,822.0	10,045,125.6	96.6	1,331	3,340	39.9
1986	7,621,689.3	7,999,888.5	95.3	1,210	3,132	38.6
1987	10,431,109.1	10,776,344.4	96.8	1,288	3,249	39.6
1988	9,078,869.5	9,425,529.9	96.3	1,366	3,397	40.2
1989	8,173,117.4	8,516,491.0	96.0	1,323	3,411	38.8
1990	8,836,444.3	9,159,624.1	96.5	1,243	3,293	37.7
1991	7,471,444.3	7,830,721.0	95.4	1,213	3,514	34.5
1992	8,633,421.2	9,014,025.8	95.8	1,263	3,791	33.3
1993	6,846,657.9	7,246,474.9	94.5	1,315	4,075	32.3
1994	5,533,022.2	5,854,388.6	94.5	1,318	3,930	33.5
1995	5,658,214.7	5,954,879.7	95.0	1,307	3,976	32.9
1996	5,352,405.6	5,666,113.0	94.5	1,250	3,950	31.6
1997	5,345,513.3	5,688,869.0	94.0	1,219	3,938	31.0
1998	6,060,635.2	6,386,823.5	94.9	1,341	4,077	32.9
1999	6,964,575.0	7,309,817.9	95.3	1,417	4,231	33.5
2000	7,508,479.0	7,855,519.5	95.6	1,467	4,533	32.4
2001	9,338,493.3	9,654,005.3	96.7	1,523	4,580	33.3
2002	9,739,265.9	10,060,319.7	96.8	1,630	5,448	29.9
2003	9,617,814.2	9,943,182.1	96.7	1,720	5,893	29.2
2004	10,316,572.6	10,648,534.3	96.9	1,752	6,337	27.6
2005	8,393,063.8	8,716,165.8	96.3	1,638	5,866	27.9
2006	8,662,884.3	8,985,806.4	96.4	1,627	5,858	27.8
2007	9,804,500.0	10,131,569.8	96.8	1,848	6,439	28.7
2008	10,074,737.1	10,360,356.4	97.2	1,823	5,701	32.0
2009	10,815,459.2	11,162,721.3	96.9	1,865	6,194	30.1
2010	10,660,911.5	11,007,953.5	96.8	1,832	6,821	26.9
2011	11,408,825.6	11,698,377.7	97.5	2,014	7,120	28.3
2012	11,962,196.3	12,253,132.2	97.6	2,004	7,882	25.4
2013	9,845,590.9	10,129,009.9	97.2	1,799	6,818	26.4
2014	10,159,677.8	10,459,685.6	97.1	1,765	6,300	28.0
2015	10,832,387.1	11,140,823.6	97.2	1,752	6,862	25.5
Total	387,302,883.5	409,258,473.8	94.6	77,014.0	250,682.0	30.7

