

WESTERN CENTRAL PACIFIC FISHERIES COMMISSION

PUBLIC DOMAIN CATCH AND EFFORT DATA – LONGLINE

This dataset 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).

Reference to the Coordinating Working Party No can be found on <http://www.fao.org/cwp-on-fishery-statistics/handbook/general-concepts/major-fishing-areas-general/en/>

DATASET 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.
CWP_GRID	N(11)	Coordinating Working Party No
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	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	1,718,437.8	2,022,577.5	85.0	478	1,498	31.9
1959	1,887,433.0	2,181,765.5	86.5	519	1,503	34.5
1960	2,113,207.4	2,416,591.8	87.4	562	1,567	35.9
1961	2,360,862.4	2,682,096.0	88.0	648	1,616	40.1
1962	2,155,439.1	2,530,051.4	85.2	675	1,869	36.1
1963	2,215,437.8	2,660,116.9	83.3	654	2,100	31.1
1964	1,669,390.0	2,075,051.0	80.5	552	2,105	26.2
1965	2,097,467.6	2,534,165.4	82.8	720	2,265	31.8
1966	2,553,302.3	2,990,987.1	85.4	772	2,405	32.1
1967	2,641,535.8	3,085,146.2	85.6	741	2,516	29.5
1968	2,512,455.0	2,963,327.7	84.8	729	2,564	28.4
1969	2,504,912.2	2,896,213.7	86.5	726	2,174	33.4
1970	2,395,468.1	2,846,407.8	84.2	733	2,495	29.4
1971	2,717,553.9	3,161,717.1	86.0	790	2,480	31.9
1972	2,926,181.1	3,334,757.6	87.7	741	2,281	32.5
1973	3,128,402.2	3,527,366.0	88.7	810	2,236	36.2
1974	3,684,055.0	4,079,655.3	90.3	819	2,268	36.1
1975	2,902,729.4	3,278,209.8	88.5	808	2,271	35.6
1976	3,122,705.7	3,536,087.7	88.3	935	2,673	35.0
1977	3,241,467.2	3,688,932.5	87.9	910	2,957	30.8
1978	2,866,111.0	3,308,398.8	86.6	837	2,716	30.8
1979	3,775,661.6	4,218,306.8	89.5	1,005	2,998	33.5
1980	4,113,271.8	4,518,442.5	91.0	1,070	3,266	32.8
1981	4,502,722.5	4,999,804.9	90.1	1,117	3,421	32.7
1982	3,921,591.7	4,357,221.7	90.0	1,015	2,953	34.4
1983	3,041,352.9	3,454,786.6	88.0	817	2,421	33.7
1984	3,439,078.4	3,859,159.0	89.1	920	2,596	35.4
1985	4,012,310.7	4,380,520.4	91.6	905	2,406	37.6
1986	2,899,940.6	3,303,257.5	87.8	750	2,199	34.1
1987	3,351,712.6	3,721,493.3	90.1	840	2,316	36.3
1988	4,089,287.5	4,455,479.8	91.8	938	2,464	38.1
1989	3,558,268.4	3,929,175.3	90.6	869	2,478	35.1
1990	3,568,886.2	3,899,652.0	91.5	835	2,373	35.2
1991	3,490,326.0	3,851,615.7	90.6	828	2,491	33.2
1992	3,625,947.7	4,005,742.7	90.5	864	2,768	31.2
1993	3,578,488.6	3,988,412.9	89.7	953	3,055	31.2
1994	4,094,193.4	4,515,259.4	90.7	1,017	3,122	32.6
1995	4,259,671.6	4,635,731.4	91.9	1,015	3,246	31.3
1996	3,488,431.9	3,895,686.3	89.5	939	3,226	29.1
1997	3,729,361.7	4,136,830.2	90.2	927	3,221	28.8
1998	4,255,983.0	4,666,578.2	91.2	1,046	3,423	30.6
1999	5,019,972.0	5,434,431.6	92.4	1,123	3,550	31.6
2000	4,871,338.9	5,336,659.4	91.3	1,121	3,900	28.7
2001	6,609,037.1	7,028,177.3	94.0	1,181	3,944	29.9
2002	6,876,662.1	7,268,095.8	94.6	1,323	4,846	27.3
2003	6,836,459.2	7,266,131.5	94.1	1,370	5,293	25.9
2004	6,765,569.6	7,191,045.1	94.1	1,367	5,667	24.1
2005	6,085,710.8	6,508,618.3	93.5	1,247	5,232	23.8
2006	6,016,892.1	6,422,430.7	93.7	1,263	5,170	24.4
2007	6,727,741.8	7,165,562.0	93.9	1,548	5,783	26.8
2008	6,950,294.0	7,352,984.2	94.5	1,533	5,095	30.1
2009	7,164,390.0	7,657,555.5	93.6	1,548	5,555	27.9
2010	7,245,987.6	7,735,135.7	93.7	1,501	6,196	24.2
2011	7,782,326.7	8,259,528.3	94.2	1,689	6,456	26.2
2012	8,452,555.2	8,906,799.2	94.9	1,669	7,200	23.2
2013	6,814,994.7	7,272,431.2	93.7	1,432	6,165	23.2
2014	6,964,367.1	7,410,990.9	94.0	1,436	5,656	25.4
2015	7,252,109.2	7,668,963.9	94.6	1,426	6,160	23.1
2016	6,465,022.4	6,895,344.3	93.8	1,392	6,172	22.6
2017	6,646,877.0	7,070,826.6	94.0	1,416	6,084	23.3
2018	6,827,267.8	7,271,684.5	93.9	1,460	6,517	22.4
2019	7,714,425.2	8,120,956.5	95.0	1,584	6,403	24.7
Total	277,494,186.8	304,391,904.6	91.2	65,312.0	226,549.0	28.8

