

# OCEANIC FISHERIES PROGRAMME

## PUBLIC DOMAIN CATCH AND EFFORT DATA – PURSE SEINE

This dataset represents the most complete PURSE SEINE 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/>

Note that catch and effort by area and month has been estimated for the domestic fisheries of Indonesia, Philippines and Vietnam.

### 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
DAYS	N( 6 )	Days fishing and searching (effort).
SETS_UNA	N( 6 )	Number of Sets (Unassociated schools).
SETS_LOG	N( 6 )	Number of Sets (Natural Log/debris).
SETS_DFAD	N( 6 )	Number of Sets (Drifting FAD).
SETS_AFAD	N( 6 )	Number of Sets (Anchored FAD).
SETS_OTH	N( 6 )	Number of Sets (Other set types combined).
SKJ_C_UNA	N( 8, 3)	Skipjack catch in metric tonnes (Unassociated schools).
YFT_C_UNA	N( 8, 3)	Yellowfin catch (metric tonnes) (Unassociated schools).
BET_C_UNA	N( 8, 3)	Bigeye catch (metric tonnes) (Unassociated schools).
OTH_C_UNA	N( 8, 3)	Other species catch (metric tonnes) (Unassociated schools).
SKJ_C_LOG	N( 8, 3)	Skipjack catch in metric tonnes (Natural-Log schools).
YFT_C_LOG	N( 8, 3)	Yellowfin catch (metric tonnes) (Natural-Log schools).
BET_C_LOG	N( 8, 3)	Bigeye catch (metric tonnes) (Natural-Log schools).
OTH_C_LOG	N( 8, 3)	Other species catch (metric tonnes) (Natural-Log schools).
SKJ_C_DFAD	N( 8, 3)	Skipjack catch in metric tonnes (Drifting FAD schools).
YFT_C_DFAD	N( 8, 3)	Yellowfin catch (metric tonnes) (Drifting FAD schools).
BET_C_DFAD	N( 8, 3)	Bigeye catch (metric tonnes) (Drifting FAD schools).
OTH_C_DFAD	N( 8, 3)	Other species catch (metric tonnes) (Drifting FAD schools).
SKJ_C_AFAD	N( 8, 3)	Skipjack catch in metric tonnes (Anchored FAD schools).
YFT_C_AFAD	N( 8, 3)	Yellowfin catch (metric tonnes) (Anchored FAD schools).

BET_C_AFAD	N( 8, 3)	Bigeye catch (metric tonnes) (Anchored FAD schools).
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Field Name	Picture	Description
OTH_C_AFAD	N( 8, 3)	Other species catch (metric tonnes) (Anchored FAD schools).
SKJ_C_OTH	N( 8, 3)	Skipjack catch in metric tonnes (Schools from other set types).
YFT_C_OTH	N( 8, 3)	Yellowfin catch (metric tonnes) (Schools from other set types).
BET_C_OTH	N( 8, 3)	Bigeye catch (metric tonnes) (Schools from other set types).
OTH_C_OTH	N( 8, 3)	Other species catch (metric tonnes) (Schools from other set types).

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 (days) for strata > 40 days/month	Total effort (days)	Coverage of effort (%) after filtering for the three-vessel rule	Number of strata with more than three vessels	Number of all 5x5/month strata	Coverage of strata (%) after filtering for the three-vessel rule
1967	0.0	8.0	0.0	0	4	0.0
1968	0.0	51.0	0.0	0	13	0.0
1969	0.0	17.0	0.0	0	7	0.0
1970	3,000.0	3,087.0	97.2	36	71	50.7
1971	4,865.2	5,095.0	95.5	43	83	51.8
1972	5,790.9	6,029.5	96.0	47	79	59.5
1973	6,260.1	6,568.9	95.3	52	105	49.5
1974	5,629.9	6,133.0	91.8	45	109	41.3
1975	2,082.3	3,513.0	59.3	22	131	16.8
1976	1,959.5	3,509.0	55.8	17	130	13.1
1977	2,791.6	3,861.0	72.3	40	131	30.5
1978	1,436.7	3,266.0	44.0	17	148	11.5
1979	4,473.9	5,589.0	80.0	58	135	43.0
1980	3,628.1	5,957.7	60.9	50	177	28.2
1981	7,778.6	10,946.8	71.1	98	410	23.9
1982	11,663.6	15,477.7	75.4	137	500	27.4
1983	17,765.2	23,862.7	74.4	158	605	26.1
1984	22,235.1	30,022.8	74.1	163	593	27.5
1985	20,343.8	25,144.9	80.9	171	578	29.6
1986	19,687.3	25,194.8	78.1	175	545	32.1
1987	22,960.7	29,201.8	78.6	227	570	39.8
1988	24,375.0	28,110.0	86.7	210	590	35.6
1989	28,425.2	31,597.5	90.0	236	596	39.6
1990	31,304.6	35,443.3	88.3	311	702	44.3
1991	39,777.2	43,502.9	91.4	307	639	48.0
1992	42,913.4	46,511.9	92.3	342	696	49.1
1993	43,412.2	48,490.1	89.5	368	791	46.5
1994	40,190.5	44,396.1	90.5	369	739	49.9
1995	40,914.9	44,077.0	92.8	293	718	40.8
1996	43,070.5	46,405.5	92.8	367	748	49.1
1997	43,116.2	47,236.4	91.3	430	846	50.8
1998	43,677.2	46,060.4	94.8	430	850	50.6
1999	43,638.2	47,436.6	92.0	475	901	52.7
2000	48,399.6	52,494.1	92.2	514	956	53.8
2001	46,657.5	50,499.8	92.4	466	921	50.6
2002	51,004.1	54,504.2	93.6	493	992	49.7
2003	65,916.4	70,214.8	93.9	443	904	49.0
2004	61,828.7	69,502.0	89.0	518	1,033	50.1
2005	60,609.8	67,590.1	89.7	479	951	50.4
2006	61,828.3	66,455.8	93.0	441	871	50.6
2007	68,097.6	72,704.4	93.7	471	944	49.9
2008	69,807.3	74,026.2	94.3	516	1,037	49.8
2009	68,021.3	71,997.6	94.5	518	971	53.3
2010	69,271.3	73,341.9	94.4	529	970	54.5
2011	83,203.9	86,622.8	96.1	610	1,053	57.9
2012	77,985.0	81,650.2	95.5	628	1,033	60.8
2013	83,157.7	87,527.3	95.0	611	1,041	58.7
2014	78,577.9	83,166.0	94.5	638	998	63.9
2015	68,874.6	71,880.7	95.8	631	987	63.9
2016	81,563.2	86,041.1	94.8	596	981	60.8
2017	93,194.2	96,884.8	96.2	661	1,002	66.0
2018	93,939.2	96,666.8	97.2	638	1,011	63.1
2019	104,920.9	108,377.4	96.8	581	939	61.9
2020	91,746.3	96,366.2	95.2	621	994	62.5
2021	103,622.5	107,547.2	96.4	627	1,006	62.3
2022	124,924.5	129,134.8	96.7	613	1,039	59.0
Total	2,386,319	2,577,000	92.6	18,537	36,574	50.7