

OCEANIC FISHERIES PROGRAMME

PUBLIC DOMAIN CATCH AND EFFORT DATA – PURSE SEINE BY FLAG, YEAR AND QUARTER

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/>

DATASET STRUCTURE

Field Name	Picture	Description
YY	N(4)	Year
QTR	N(1)	Quarter
FLAG	C(2)	Flag/Nationality of vessels
LAT_SHORT	C(3)	Latitude. It represents the latitude of the south-west corner of 5° square for these data.
LON_SHORT	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).

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 with 3 or more vessels	Total effort (days)	Coverage of effort (%) after filtering for the three-vessel rule	Number of strata with 3 or more vessels	Number of all full coverage strata	Coverage of strata (%) after filtering for the three-vessel rule
1967	0.0	8.0	0.0	0	4	0.00
1968	0.0	51.0	0.0	0	8	0.00
1969	0.0	17.0	0.0	0	6	0.00
1970	0.0	3,087.0	0.0	0	39	0.00
1971	0.0	5,095.0	0.0	0	43	0.00
1972	0.0	6,030.5	0.0	0	38	0.00
1973	0.0	6,568.9	0.0	0	57	0.00
1974	0.0	6,133.0	0.0	0	53	0.00
1975	23.0	3,513.0	0.7	1	66	1.52
1976	0.0	3,509.0	0.0	0	70	0.00
1977	0.0	3,862.0	0.0	0	65	0.00
1978	33.0	3,266.0	1.0	1	81	1.23
1979	836.2	5,589.0	15.0	8	72	11.11
1980	1,127.1	5,957.7	18.9	12	86	13.95
1981	2,409.1	10,946.8	22.0	31	263	11.79
1982	4,140.8	15,477.7	26.8	32	322	9.94
1983	6,466.4	23,862.7	27.1	35	365	9.59
1984	11,945.9	30,022.8	39.8	69	444	15.54
1985	13,940.4	25,144.9	55.4	100	415	24.10
1986	10,741.1	25,194.8	42.6	90	450	20.00
1987	14,868.2	29,201.8	50.9	119	443	26.86
1988	19,794.6	28,110.0	70.4	155	497	31.19
1989	23,145.8	31,597.5	73.3	175	510	34.31
1990	26,299.5	35,443.3	74.2	225	569	39.54
1991	31,193.4	43,501.6	71.7	208	625	33.28
1992	35,413.6	46,511.9	76.1	246	665	36.99
1993	36,236.6	48,494.1	74.7	265	736	36.01
1994	31,946.0	44,397.8	72.0	273	704	38.78
1995	31,035.1	44,086.0	70.4	236	719	32.82
1996	31,617.2	46,405.5	68.1	252	831	30.32
1997	32,947.7	47,236.4	69.8	334	994	33.60
1998	30,014.3	46,059.4	65.2	285	987	28.88
1999	31,084.3	47,432.6	65.5	336	1,068	31.46
2000	30,254.8	52,491.1	57.6	349	1,083	32.23
2001	30,829.1	50,452.2	61.1	355	1,108	32.04
2002	33,672.1	54,482.5	61.8	419	1,392	30.10
2003	35,656.6	70,183.7	50.8	415	1,317	31.51
2004	38,827.1	69,491.8	55.9	471	1,408	33.45
2005	40,848.3	67,569.1	60.5	503	1,345	37.40
2006	38,863.6	66,427.2	58.5	442	1,194	37.02
2007	41,554.6	72,682.2	57.2	460	1,244	36.98
2008	44,182.0	73,977.2	59.7	519	1,449	35.82
2009	46,070.7	71,957.7	64.0	516	1,475	34.98
2010	47,593.0	73,314.9	64.9	514	1,469	34.99
2011	53,003.6	86,600.7	61.2	567	1,581	35.86
2012	49,396.5	81,611.5	60.5	628	1,548	40.57
2013	50,183.4	87,440.2	57.4	639	1,580	40.44
2014	49,028.6	83,052.8	59.0	639	1,494	42.77
2015	39,345.1	71,856.5	54.8	652	1,454	44.84
2016	40,461.4	85,937.7	47.1	661	1,510	43.77
2017	43,385.0	96,815.3	44.8	689	1,521	45.30
2018	40,594.2	96,569.7	42.0	664	1,593	41.68
2019	38,763.9	108,330.9	35.8	624	1,509	41.35
2020	41,240.8	96,292.2	42.8	640	1,538	41.61
2021	40,162.0	107,453.6	37.4	646	1,493	43.27
2022	45,872.7	129,028.5	35.6	633	1,458	43.42
Total	1,387,048	2,575,833	53.8	16,133	45,058	35.80