

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/>

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 <u>south-west corner</u> of 5° square for these data.
LON_SHORT	C(4)	Longitude. It represents the longitude of the <u>south-west corner</u> 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 > 40 days/month	Total effort (days)	Coverage of effort (%) after filtering for the three-vessel rule	Number of strata with effort > 40 days/month	Number of all 5x5/month strata	Coverage of strata (%) after filtering for the three-vessel rule
1967	0.0	8.0	0.0	0	64	0.0
1968	0.0	51.0	0.0	0	73	0.0
1969	0.0	17.0	0.0	0	67	0.0
1970	1,238.0	2,869.0	43.2	23	173	13.3
1971	1,186.0	5,083.0	23.3	22	172	12.8
1972	6,025.7	10,408.5	57.9	40	162	24.7
1973	5,863.4	9,731.9	60.2	69	189	36.5
1974	2,030.0	6,349.0	32.0	35	197	17.8
1975	575.5	5,316.0	10.8	10	219	4.6
1976	1,490.8	6,052.0	24.6	28	216	13.0
1977	1,370.5	5,559.0	24.7	24	217	11.1
1978	2,083.0	6,286.0	33.1	36	228	15.8
1979	2,559.3	7,326.0	34.9	32	210	15.2
1980	3,210.9	8,155.7	39.4	45	236	19.1
1981	7,009.3	12,761.7	54.9	70	474	14.8
1982	11,108.6	17,411.7	63.8	125	561	22.3
1983	18,502.1	25,404.7	72.8	145	665	21.8
1984	25,538.8	33,011.5	77.4	183	646	28.3
1985	23,507.5	29,263.8	80.3	191	636	30.0
1986	21,025.1	28,030.6	75.0	180	600	30.0
1987	24,225.2	31,609.8	76.6	215	626	34.3
1988	27,182.6	33,238.7	81.8	183	648	28.2
1989	27,043.0	33,677.5	80.3	176	641	27.5
1990	31,198.5	37,120.2	84.0	244	755	32.3
1991	38,725.0	45,596.9	84.9	222	697	31.9
1992	40,701.0	47,966.8	84.9	226	750	30.1
1993	43,407.3	51,081.4	85.0	279	844	33.1
1994	40,314.9	47,262.1	85.3	292	792	36.9
1995	40,980.8	47,612.7	86.1	238	769	30.9
1996	40,578.9	48,438.6	83.8	251	802	31.3
1997	78,387.0	85,455.4	91.7	349	901	38.7
1998	59,511.8	66,587.3	89.4	325	914	35.6
1999	59,458.3	66,984.6	88.8	353	957	36.9
2000	78,553.0	86,054.1	91.3	392	1,007	38.9
2001	61,213.5	68,518.6	89.3	372	980	38.0
2002	73,093.0	80,128.3	91.2	404	1,051	38.4
2003	133,792.7	140,431.3	95.3	363	961	37.8
2004	125,316.3	133,552.0	93.8	417	1,087	38.4
2005	78,587.8	85,409.1	92.0	418	1,005	41.6
2006	76,444.6	82,541.0	92.6	376	927	40.6
2007	84,627.7	91,582.9	92.4	388	1,001	38.8
2008	87,407.2	94,758.4	92.2	397	1,098	36.2
2009	86,500.5	93,275.0	92.7	401	1,033	38.8
2010	92,018.4	99,357.3	92.6	384	1,033	37.2
2011	128,509.6	136,275.9	94.3	454	1,117	40.6
2012	99,158.1	107,258.5	92.4	467	1,098	42.5
2013	162,295.2	170,310.6	95.3	447	1,100	40.6
2014	124,199.8	130,222.1	95.4	491	1,061	46.3
2015	102,214.3	108,178.3	94.5	475	1,024	46.4
2016	146,118.3	152,135.0	96.0	459	997	46.0
Total	2,426,089	2,721,717	89.1	11,716	33,681	34.8