

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
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 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	886.5	2,654.5	33.4	11	139	7.9
1971	1,929.4	5,039.6	38.3	12	143	8.4
1972	5,952.9	8,226.7	72.4	18	139	12.9
1973	9,516.2	11,956.2	79.6	50	167	29.9
1974	1,406.0	4,522.5	31.1	18	171	10.5
1975	1,287.9	4,292.1	30.0	10	195	5.1
1976	730.5	4,314.1	16.9	8	188	4.3
1977	1,433.4	4,418.6	32.4	17	190	8.9
1978	1,551.4	4,772.5	32.5	15	198	7.6
1979	2,738.5	6,077.7	45.1	26	187	13.9
1980	3,404.2	6,658.4	51.1	37	212	17.5
1981	6,703.8	11,580.6	57.9	55	447	12.3
1982	10,628.5	16,482.6	64.5	91	537	16.9
1983	17,732.7	24,510.4	72.3	120	640	18.8
1984	23,684.6	30,689.2	77.2	141	622	22.7
1985	19,015.1	26,369.2	72.1	127	607	20.9
1986	19,073.2	26,154.1	72.9	131	572	22.9
1987	22,109.2	29,838.7	74.1	165	602	27.4
1988	21,823.7	29,005.6	75.2	117	622	18.8
1989	25,565.0	32,456.6	78.8	137	617	22.2
1990	30,178.7	37,640.6	80.2	186	730	25.5
1991	37,312.0	44,546.5	83.8	181	670	27.0
1992	40,411.2	47,902.2	84.4	194	725	26.8
1993	40,756.6	49,100.6	83.0	216	820	26.3
1994	39,874.4	47,719.7	83.6	229	770	29.7
1995	42,618.2	48,864.7	87.2	202	744	27.2
1996	39,523.4	46,955.1	84.2	226	778	29.0
1997	41,610.8	49,757.7	83.6	287	877	32.7
1998	42,167.5	49,882.5	84.5	267	889	30.0
1999	39,590.9	48,785.0	81.2	274	935	29.3
2000	44,247.2	53,195.3	83.2	319	988	32.3
2001	43,152.9	51,810.2	83.3	307	958	32.0
2002	48,185.2	57,041.2	84.5	334	1,027	32.5
2003	64,040.9	71,971.0	89.0	301	938	32.1
2004	61,143.2	70,899.5	86.2	354	1,064	33.3
2005	60,729.4	69,118.3	87.9	352	986	35.7
2006	60,781.3	68,183.2	89.1	315	905	34.8
2007	66,850.2	74,973.9	89.2	332	978	33.9
2008	66,438.3	74,889.2	88.7	344	1,073	32.1
2009	65,369.4	73,514.2	88.9	348	1,008	34.5
2010	69,433.8	77,162.7	90.0	355	1,006	35.3
2011	77,870.1	87,603.9	88.9	383	1,088	35.2
2012	72,988.9	82,320.0	88.7	409	1,070	38.2
2013	78,396.2	88,519.8	88.6	364	1,087	33.5
2014	74,727.1	83,686.3	89.3	417	1,034	40.3
2015	62,614.8	72,638.4	86.2	368	1,029	35.8
2016	77,285.2	87,706.0	88.1	365	1,014	36.0
2017	90,391.2	100,505.8	89.9	413	1,036	39.9
2018	88,303.1	98,021.7	90.1	383	1,049	36.5
2019	96,943.4	108,096.1	89.7	354	994	35.6
Total	1,961,108	2,313,107	84.8	10,685	35,669	30.0