OCEANIC FISHERIES PROGRAMME

PUBLIC DOMAIN CATCH AND EFFORT DATA – PURSE SEINE BY YEAR, QUARTER, FLAG, 1°x1°

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(2)	Quarter
FLAG_ID	C(2)	Flag – Fishing Nation (ISO 2-letter country code)
LAT_short	C(3)	Latitude. It represents the latitude of the south-west corner of 1° square for these data.
LON_short	C(4)	Longitude. It represents the longitude of the south-west corner of 1° 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	7	0.00
1968	0.0	51.0	0.0	0	23	0.00
1969	0.0	17.0	0.0	0	11	0.00
1970	0.0	3,087.0	0.0	0	252	0.00
1971	0.0	5,095.0	0.0	0	347	0.00
1972	0.0	6,029.5	0.0	0	326	0.00
1973	0.0	6,568.9	0.0	0	412	0.00
1974	0.0	6,133.0	0.0	0	422	0.00
1975	20.0	3,513.0	0.6	1	479	0.21
1976	0.0	3,509.0	0.0	0	521	0.00
1977	0.0	3,861.0	0.0	0	513	0.00
1978	9.0	3,266.0	0.3	1	571	0.18
1979	365.7	5,589.0	6.5	24	615	3.90
1980	710.5	5,957.7	11.9	58	886	6.55
1981	1,260.4	10,946.8	11.5	103	1,657	6.22
1982	3,161.0	15,477.7	20.4	186	2,336	7.96
1983	4,639.9	23,862.7	19.4	170	3,055	5.56
1984	7,148.1	30,022.8	23.8	255	3,322	7.68
1985	7,128.7	25,144.9	28.4	341	3,241	10.52
1986	7,012.0	25,194.8	27.8	344	3,389	10.15
1987	8,556.8	29,201.8	29.3	445	3,569	12.47
1988	13,454.1	28,110.0	47.9	579	3,540	16.36
1989	18,475.4	31,597.5	58.5	822	3,734	22.01
1990	19,327.6	35,443.3	54.5	920	4,225	21.78
1991	23,909.3	43,502.9	55.0	891	4,520	19.71
1992	27,189.5	46,511.9	58.5	1,056	4,776	22.11
1993	28,397.0	48,490.1	58.6	1,241	5,287	23.47
1994	25,265.4	44,396.1	56.9	1,221	5,307	23.01
1995	25,695.7	44,077.0	58.3	1,060	5,082	20.86
1996	26,611.3	46,405.5	57.3	1,192	5,782	20.62
1997	25,057.9	47,236.4	53.0	1,417	7,013	20.21
1998	24,181.4	46,060.4	52.5	1,281	6,414	19.97
1999	22,184.0	47,436.6	46.8	1,427	7,802	18.29
2000	21,207.2	52,494.1	40.4	1,278	8,121	15.74
2001	23,357.4	50,499.8	46.3	1,437	8,048	17.86
2002	25,324.1	54,504.2	46.5	1,620	9,278	17.46
2003	26,444.1	70,214.8	37.7	1,501	9,304	16.13
2004	27,330.7	69,502.0	39.3	1,755	10,316	17.01
2005	28,502.7	67,590.1	42.2	1,717	10,150	16.92
2006	27,527.3	66,455.8	41.4	1,627	9,010	18.06
2007	30,154.1	72,704.4	41.5	1,840	9,601	19.16
2008	31,631.6	74,026.2	42.7	1,971	10,782	18.28
2009	33,417.2	71,997.6	46.4	2,070	10,691	19.36
2010	38,971.6	73,341.9	53.1	2,246	10,294	21.82
2011	41,541.9	86,622.8	48.0	2,329	11,566	20.14
2012	38,482.7	81,650.2	47.1	2,461	11,648	21.13
2013	37,193.0	87,527.3	42.5	2,429	12,104	20.07
2014	36,117.5	83,166.0	43.4	2,466	11,668	21.13
2015	28,745.9	71,880.7	40.0	2,110	10,339	20.41
2016	28,141.1	86,041.1	32.7	2,104	10,982	19.16
2017	31,336.8	96,884.8	32.3	2,471	11,688	21.14
2018	30,117.9	96,666.8	31.2	2,494	11,636	21.43
2019	29,365.7	108,377.4	27.1	2,201	10,356	21.25
2020	31,351.1	96,366.2	32.5	2,344	10,935	21.44
2021	30,067.7	107,547.2	28.0	2,369	10,860	21.81
2022	34,591.0	129,134.8	26.8	2,289	10,286	22.25
Total	1,030,680	2,577,000	40.0	62,164	329,099	18.89