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	99.0	0.0	0	60	0.00
1971	0.0	1,939.0	0.0	0	155	0.00
1972	0.0	2,465.5	0.0	0	134	0.00
1973	0.0	2,656.9	0.0	0	220	0.00
1974	0.0	1,942.0	0.0	0	230	0.00
1975	20.0	2,197.0	0.9	1	287	0.35
1976	0.0	2,534.0	0.0	0	329	0.00
1977	0.0	2,253.0	0.0	0	321	0.00
1978	9.0	2,491.0	0.4	1	379	0.26
1979	365.7	3,639.0	10.0	24	423	5.67
1980	710.5	3,797.7	18.7	58	414	14.01
1981	1,260.4	7,762.8	16.2	103	1,185	8.69
1982	3,161.0	11,769.7	26.9	186	1,864	9.98
1983	4,639.9	18,992.7	24.4	170	2,583	6.58
1984	7,148.1	25,084.8	28.5	255	2,850	8.95
1985	7,128.7	20,818.9	34.2	341	2,771	12.31
1986	7,012.0	20,804.8	33.7	344	2,922	11.77
1987	8,556.8	24,328.8	35.2	445	3,097	14.37
1988	13,454.1	24,261.0	55.5	579	3,068	18.87
1989	18,475.4	27,110.5	68.1	822	3,270	25.14
1990	19,327.6	30,060.3	64.3	920	3,757	24.49
1991	23,909.3	37,152.9	64.4	891	4,048	22.01
1992	27,189.5	40,824.9	66.6	1,056	4,304	24.54
1993	28,397.0	42,751.1	66.4	1,241	4,815	25.77
1994	25,265.4	38,091.1	66.3	1,221	4,835	25.25
1995	25,695.7	37,015.0	69.4	1,060	4,611	22.99
1996	26,611.3	37,757.5	70.5	1,192	5,310	22.45
1997	25,057.9	39,328.4	63.7	1,417	6,545	21.65
1998	24,181.4	36,532.4	66.2	1,281	5,945	21.55
1999	22,184.0	38,520.6	57.6	1,427	7,330	19.47
2000	21,207.2	37,790.1	56.1	1,278	7,361	17.36
2001	23,357.4	37,976.8	61.5	1,437	7,292	19.71
2002	25,324.1	41,777.2	60.6	1,620	8,532	18.99
2003	26,444.1	44,030.8	60.1	1,501	8,568	17.52
2004	27,330.7	47,264.0	57.8	1,755	9,577	18.33
2005	28,502.7	49,123.1	58.0	1,717	9,409	18.25
2006	27,527.3	45,094.8	61.0	1,627	8,253	19.71
2007	30,154.1	48,256.4	62.5	1,840	8,853	20.78
2008	31,631.6	52,363.2	60.4	1,971	10,034	19.64
2009	33,417.2	52,945.6	63.1	2,070	9,931	20.84
2010	38,971.6	55,154.9	70.7	2,246	9,534	23.56
2011	41,541.9	65,970.8	63.0	2,329	10,808	21.55
2012	38,482.7	61,690.2	62.4	2,461	10,888	22.60
2013	37,193.0	62,551.8	59.5	2,429	11,224	21.64
2014	36,117.5	60,428.0	59.8	2,466	10,788	22.86
2015	28,745.8	49,456.3	58.1	2,110	9,455	22.32
2016	28,141.1	50,351.6	55.9	2,104	10,102	20.83
2017	31,336.8	53,622.6	58.4	2,471	10,808	22.86
2018	30,118.0	50,505.5	59.6	2,494	10,746	23.21
2019	29,306.3	48,015.8	61.0	2,191	9,447	23.19
2020	30,963.3	49,579.0	62.5	2,317	9,974	23.23
2021	28,979.5	47,827.6	60.6	2,312	9,743	23.73
Total	994,554	1,696,834	58.6	59,781	289,430	20.65