

North Pacific albacore Catch provided by the WCPFC and IATTC

Kiyofuji, H.
NRIFS/FRA

Email: hkiyofuj@affrc.go.jp



Summary

In this document, catch data provided by the SPC and IATTC submitted by non-ISC members were described as a record for future assessment. The data were also compared to data used in 2017 stock assessment. Data used in this document were provided by the SPC and IATTC . Although there is a relatively large difference in the catches of China and Vanuatu longline fleets between 2017 and 2020, we could not identify the cause. To reduce any data discrepancies among stock assessment, the WG chair need close communication to data managers of SPC and IATTC.

Table 1. NPALB total catch by China and Vanuatu provided by the SPC and IATTC compiled for the stock assessment used in 2017 and 2020.

year	qtr	CHINA			VANUATU		
		2017	2020	Differences	2017	2020	Differences
2000	1	0.20	0.20	0.00	0.00	0.00	0.00
2000	2	9.06	8.95	0.10	0.00	0.00	0.00
2000	3	7.71	7.79	-0.08	0.00	0.00	0.00
2000	4	10.03	10.12	-0.09	0.00	0.00	0.00
2001	1	8.37	1.97	6.39	0.00	0.00	0.00
2001	2	21.76	5.87	15.89	0.00	0.00	0.00
2001	3	44.22	74.25	-30.03	0.00	0.00	0.00
2001	4	705.66	355.74	349.92	0.00	0.00	0.00
2002	1	372.23	98.43	273.81	0.00	36.34	-36.34
2002	2	60.64	13.59	47.05	0.00	22.68	-22.68
2002	3	109.02	41.98	67.04	0.00	106.98	-106.98
2002	4	2.11	225.96	-223.85	294.00	1334.62	-1040.62
2003	1	179.50	195.18	-15.67	660.74	428.48	232.25
2003	2	228.42	122.28	106.14	0.00	0.00	0.00
2003	3	179.95	93.60	86.35	0.00	0.43	-0.43
2003	4	482.13	410.88	71.25	3472.26	1370.62	2101.64
2004	1	195.51	218.57	-23.06	1234.32	1443.25	-208.93
2004	2	317.22	195.81	121.41	0.00	52.49	-52.49
2004	3	151.27	80.72	70.55	0.00	77.09	-77.09
2004	4	359.00	350.37	8.63	2861.68	2904.01	-42.32
2005	1	394.56	180.02	214.53	2280.05	1772.46	507.59
2005	2	249.09	151.59	97.50	0.00	47.03	-47.03
2005	3	159.46	89.37	70.09	0.00	0.00	0.00
2005	4	14.90	40.88	-25.98	1887.95	1394.45	493.50
2006	1	22.91	191.08	-168.17	1743.12	1299.43	443.69
2006	2	598.10	352.79	245.31	0.00	76.32	-76.32
2006	3	250.78	183.03	67.75	0.00	1.21	-1.21
2006	4	231.22	301.50	-70.28	3044.88	1905.88	1139.01
2007	1	48.89	30.03	18.86	2091.92	1317.65	774.27
2007	2	57.18	23.05	34.12	810.49	453.64	356.85
2007	3	16.07	3.94	12.12	0.00	0.42	-0.42
2007	4	6.86	46.89	-40.03	1573.59	1399.67	173.92
2008	1	96.51	162.46	-65.95	1703.73	1601.56	102.17
2008	2	67.41	19.48	47.94	440.78	310.17	130.62
2008	3	17.99	1.46	16.53	2.38	22.43	-20.05
2008	4	7.09	4.56	2.53	939.10	871.14	67.97
2009	1	10.90	9.11	1.79	781.95	835.91	-53.96
2009	2	8.00	3.97	4.03	0.00	23.67	-23.67
2009	3	18.81	19.38	-0.57	0.00	0.00	0.00
2009	4	59.29	71.21	-11.92	787.05	725.67	61.38
2010	1	92.94	120.87	-27.92	1741.88	843.56	898.33
2010	2	301.98	182.09	119.89	0.91	69.09	-68.18
2010	3	306.98	227.57	79.41	0.00	4.48	-4.48
2010	4	609.10	379.80	229.30	1129.20	1432.21	-303.01
2011	1	726.54	754.22	-27.68	7018.62	2670.98	4347.64
2011	2	1061.91	1045.01	16.90	79.97	138.03	-58.06
2011	3	374.92	419.82	-44.89	0.00	10.47	-10.47
2011	4	676.63	620.27	56.36	1380.41	737.63	642.78
2012	1	3181.51	1866.92	1314.59	765.54	748.72	16.82
2012	2	1607.82	839.79	768.03	0.67	9.02	-8.36
2012	3	1516.21	837.13	679.08	0.00	0.21	-0.21
2012	4	2914.47	1712.27	1202.19	2537.80	1374.38	1163.42
2013	1	2444.11	1443.33	1000.79	1574.34	1652.41	-78.06
2013	2	1122.79	636.64	486.15	97.77	184.73	-86.96
2013	3	1120.63	669.65	450.98	338.56	256.90	81.66
2013	4	480.47	504.85	-24.38	639.32	778.36	-139.04
2014	1	493.32	368.40	124.92	1972.77	1542.38	430.39
2014	2	445.35	267.84	177.51	134.95	107.12	27.83
2014	3	585.22	303.73	281.49	554.11	246.89	307.21
2014	4	1287.11	820.19	466.92	1228.18	989.29	238.89
2015	1	167.06	473.68	-306.62	2621.74	2259.26	362.48
2015	2	228.87	550.58	-321.71	5.35	230.63	-225.27
2015	3	27.75	149.36	-121.61	0.00	29.07	-29.07
2015	4	350.32	549.22	-198.90	1.91	822.21	-820.30

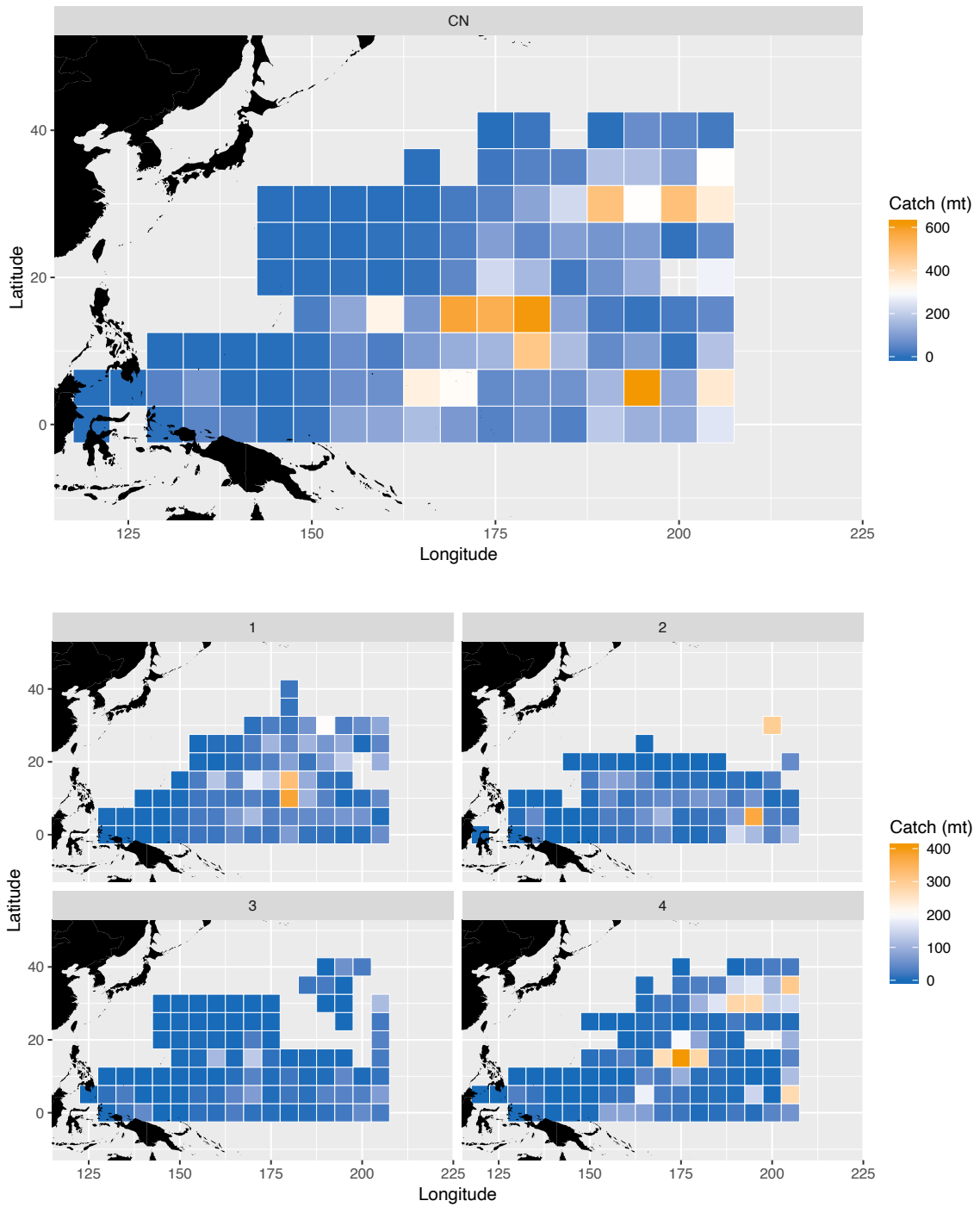


Fig. 1. North Pacific albacore catch in WCPFC area by Chinese Longline from 1988 to 2018 by annual (upper) and by quarter (lower). Data was provided by the SPC and aggregated by 5 x 5 degrees. Note that cells were removed representing less than three vessels.

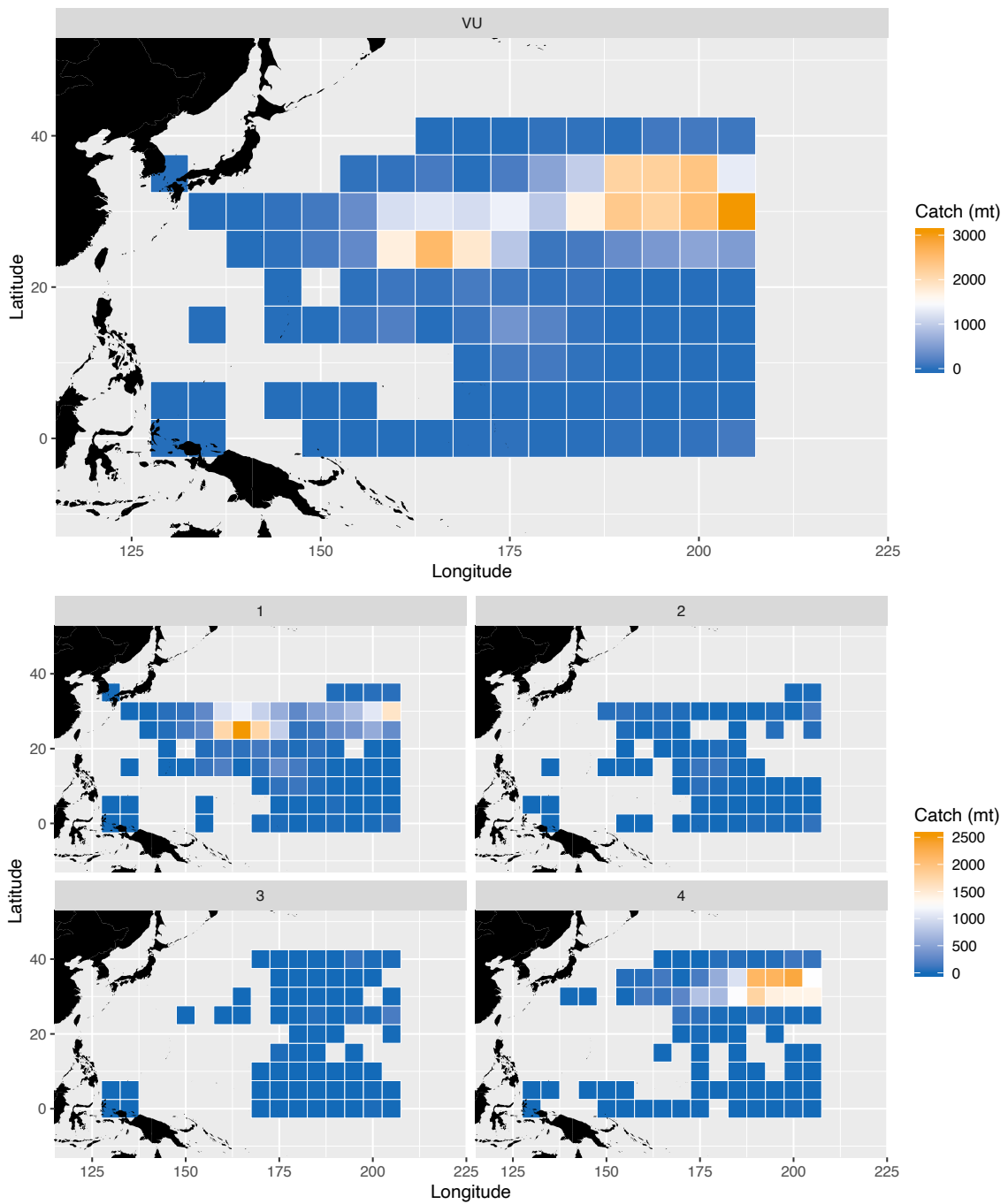


Fig. 2. North Pacific albacore catch in WCPFC area by Vanuatu from 1996 to 2018 by annual (upper) and by quarter (lower). Data was provided by the SPC and aggregated by 5 x 5 degrees. Note that cells were removed representing less than three vessels.

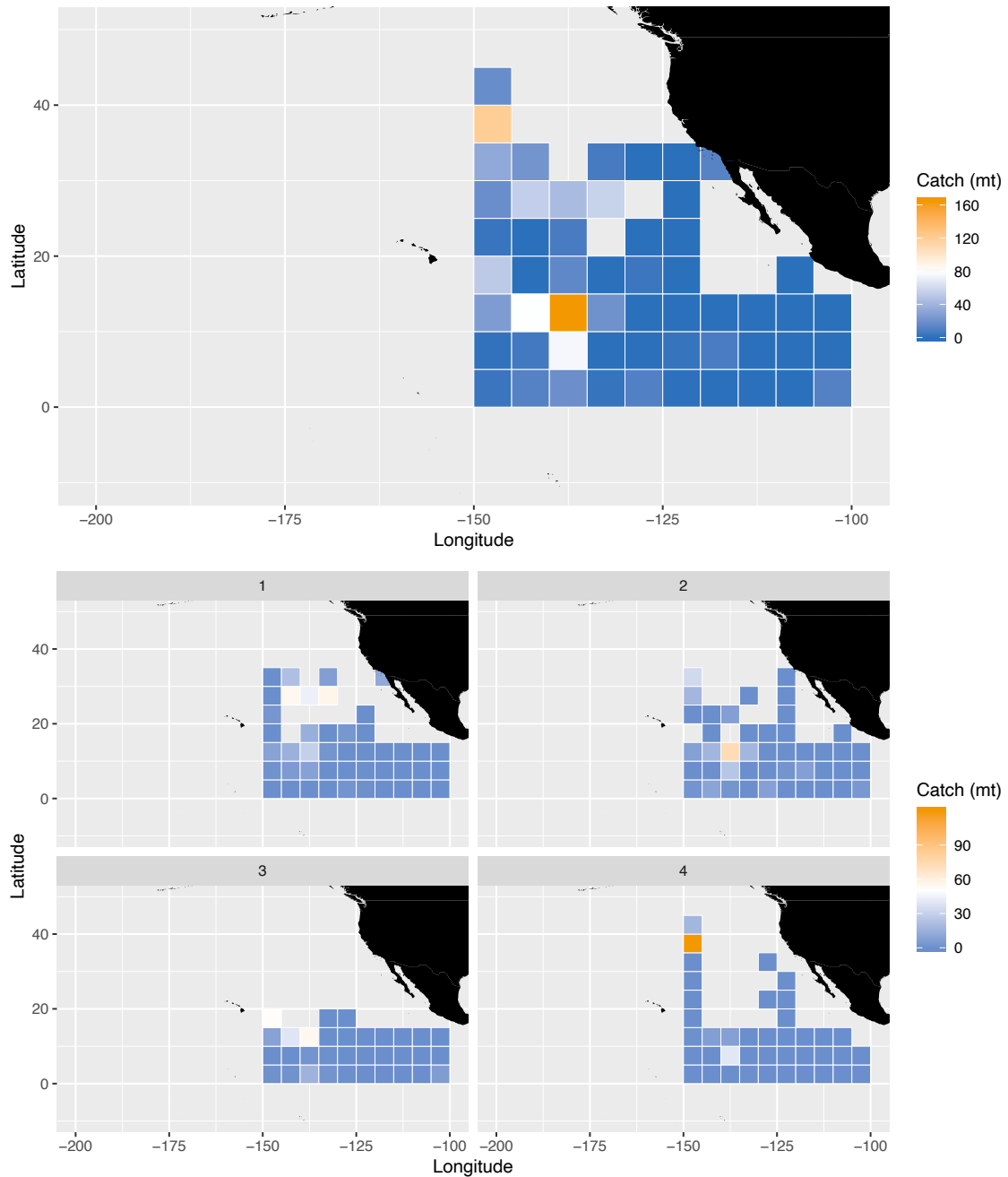


Fig. 3. North Pacific albacore catch in IATTC area by China from 2001 to 2018 by annual (upper) and by quarter (lower). Data was provided by the IATTC and aggregated by 5 x 5 degrees.

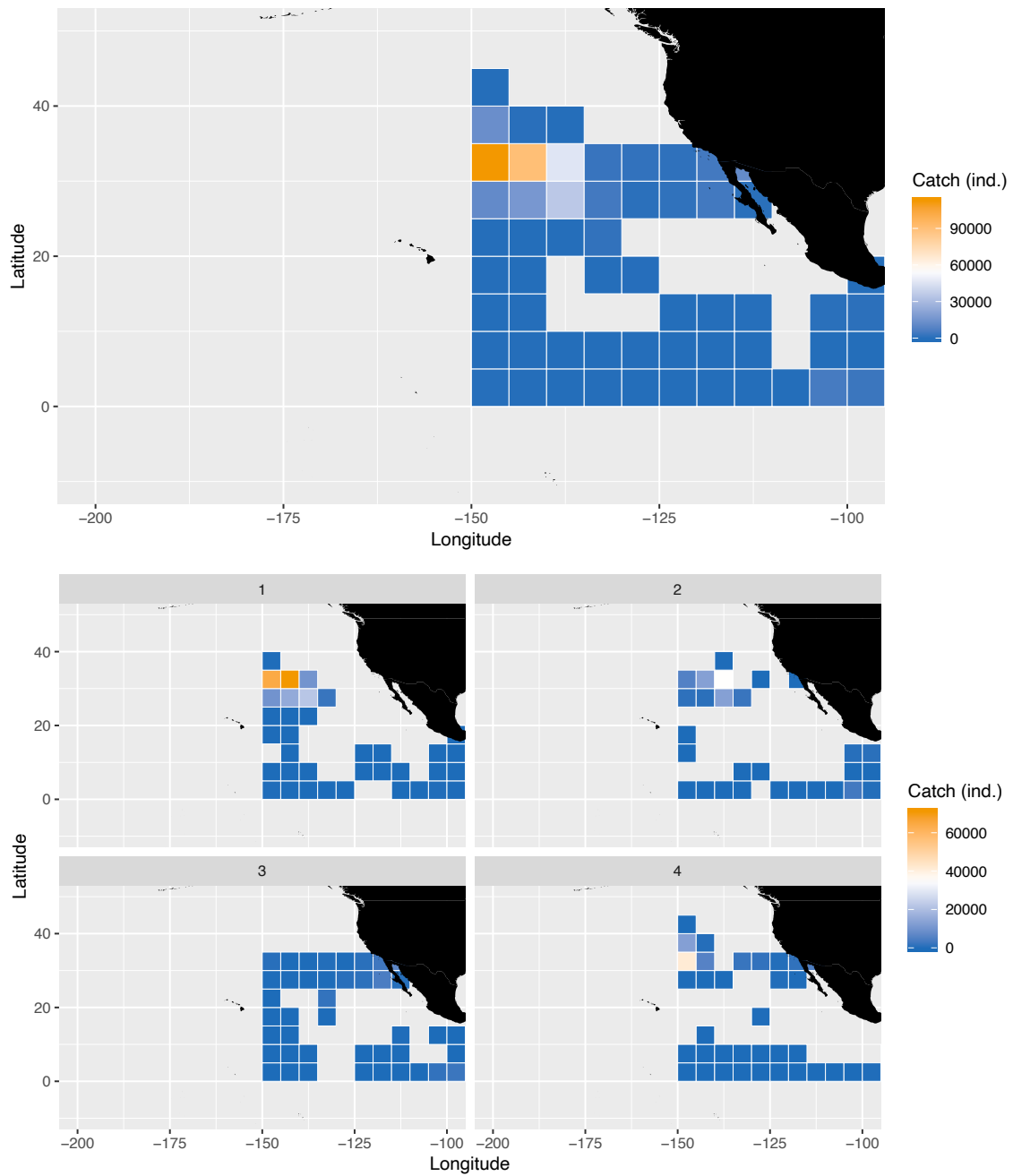


Fig. 4. North Pacific albacore catch in IATTC area by Vanuatu from 2000 to 2018 by annual (upper) and by quarter (lower). Data was provided by the IATTC and aggregated by 5 x 5 degrees.