

# The 1981 New Zealand rock lobster landings

by  
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Fisheries Research Division  
Occasional Publication: Data Series No. 12

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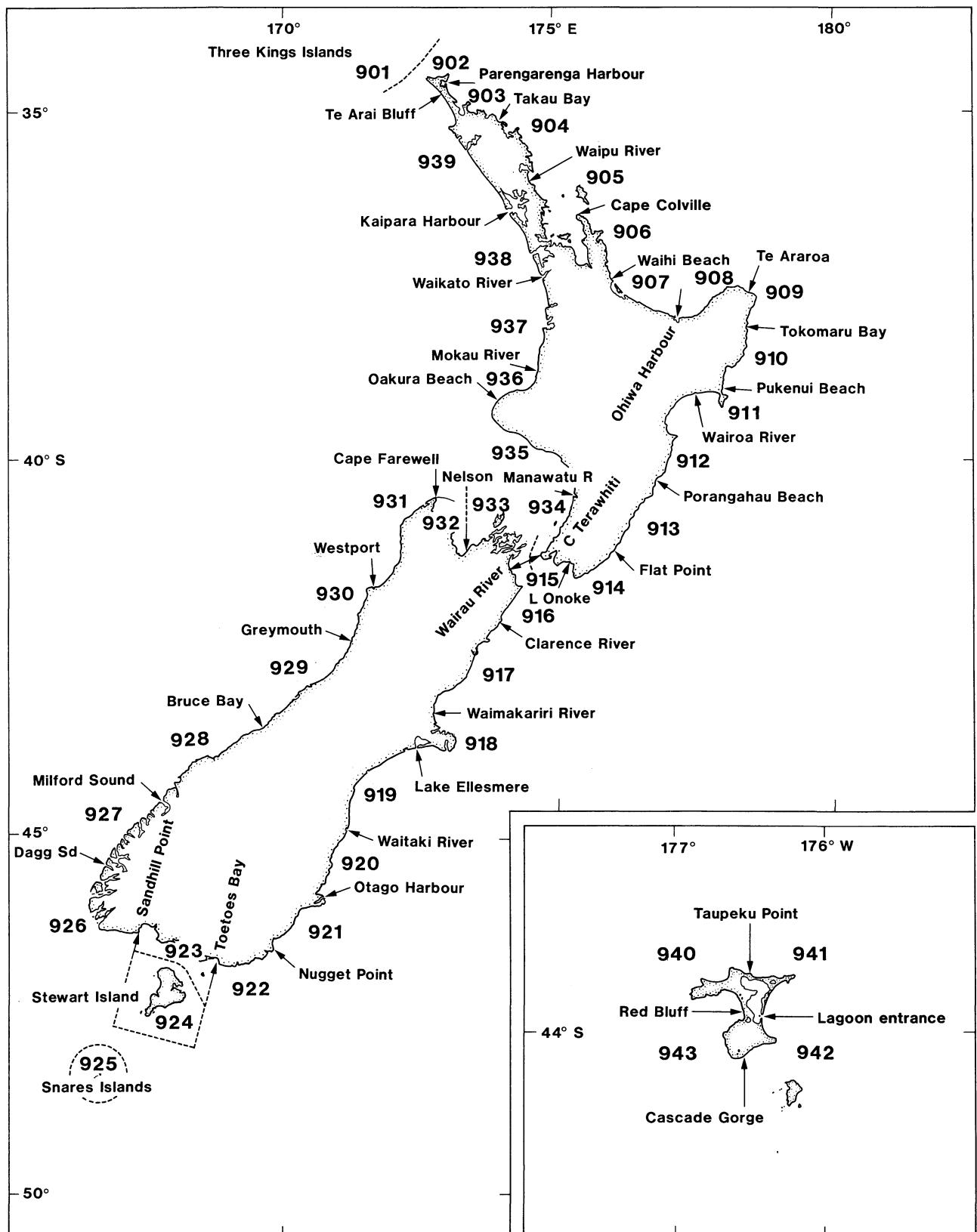


Fig. 1: Rock lobster fishing return scheme statistical areas.

## Introduction

The fishery for New Zealand's 2 rock lobster species is the single most important domestic fishery, with export earnings of nearly \$36 million f.o.b. in 1981. Landings of *Jasus edwardsii* (the red or spiny rock lobster) were recorded from Three Kings Islands to Snares Islands, from both coasts of the North and South Islands and the Chatham Islands. *Jasus verreauxi* (the green or packhorse rock lobster) accounted for less than 1% of the total rock lobster landings, and they were taken mainly from Northland and the Bay of Plenty, the highest landings being from area 902.

The data given here are the landings declared by commercial fishermen who use pots. Rock lobsters taken by handpicking, as a by-catch from other commercial fishing methods, and by amateurs are not recorded here.

The data are grouped primarily by area fished, so that changes in landings and catch per unit of fishing effort for each area can be monitored. Landings are also grouped by region of landing to enable comparison with data in the annual *Report on Fisheries* published by the Ministry of Agriculture and Fisheries (formerly the N.Z. Marine Department) from 1945 to 1974.

## Results

The New Zealand coastline (including the Chatham Islands) is divided into 43 statistical areas (Fig. 1) for the purposes of the rock lobster fishing return scheme. The rock lobster fishery is divided into 10 controlled fishery areas (Fig. 2), each made up of 2 or more of the statistical areas. Any differences between the boundaries of statistical areas and the corresponding controlled fishery areas are usually slight.

The rock lobster return form used in 1979 and 1980 was used again in 1981. To encourage fishermen to provide accurate and complete data, the minimum information consistent with effective monitoring of the fishery

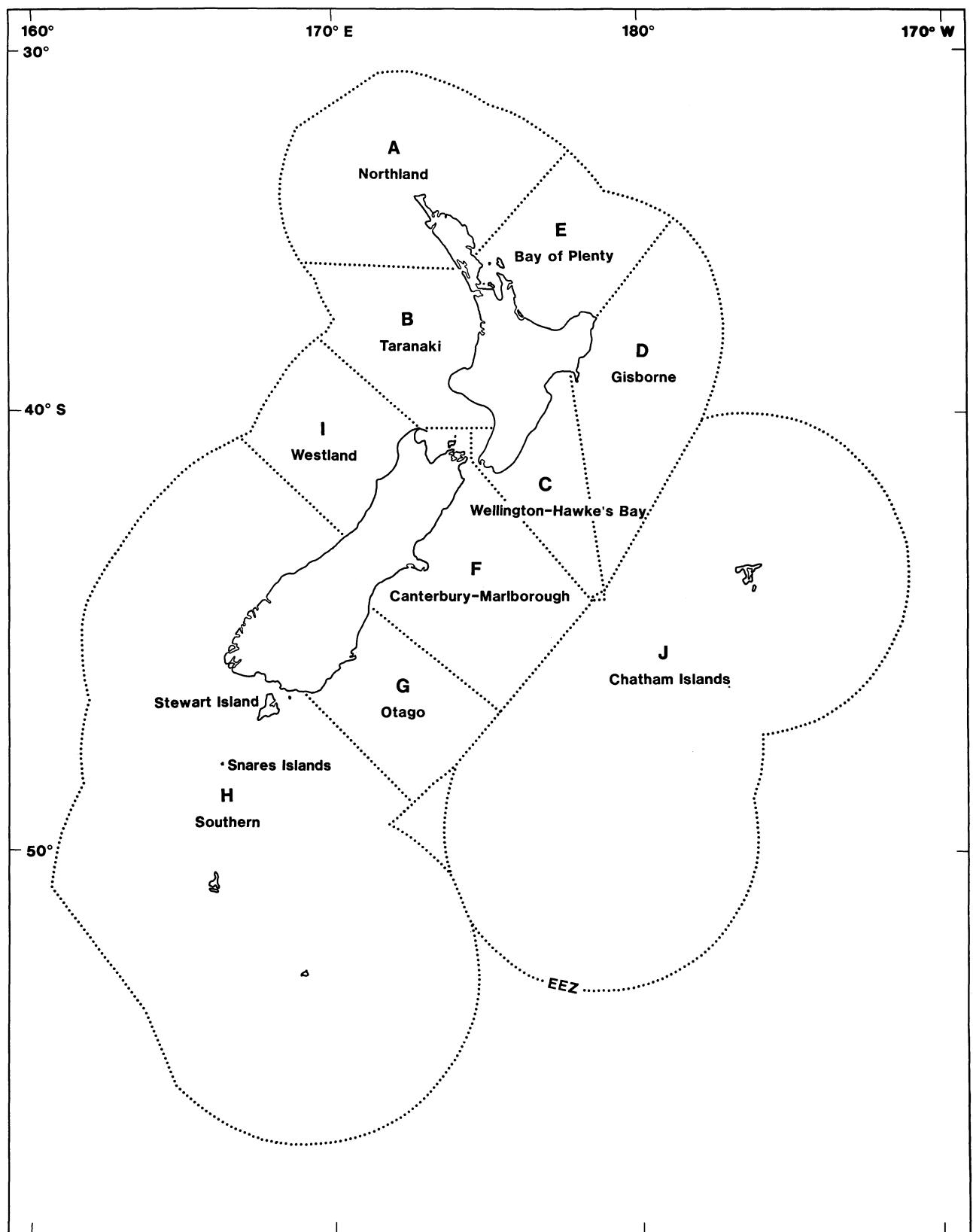


Fig. 2: Rock lobster controlled fishery areas.

was requested. This included a monthly record of statistical areas fished, number of days fished, number of pots lifted each day, and weight of rock lobsters (whole or tail) and by-catch species landed.

The landed weight figures shown in the tables and figures are all whole weight values. When only tails were landed, tail weights were multiplied by 3 to obtain the approximate equivalent whole weights. Fishermen are permitted to tail their catch at sea and land only the tails in statistical areas 923-928 and part of area 922, which make up the Southern controlled fishery area (H). In the rest of New Zealand rock lobsters must be landed whole and alive.

Total landings of *J. edwardsii* and *J. verreauxi* are shown for the North and South Islands combined and for the Chatham Islands for each year from 1945 to 1981 in Table 1 and Fig. 3. In addition, the number of registered rock lobster vessels for each year is shown in Table 1. Data for 1945-74 are from the port of landing figures in the annual *Report on Fisheries*. Data for 1975-78 are from unpublished figures from port of landing totals recorded by the Ministry of Agriculture and Fisheries.

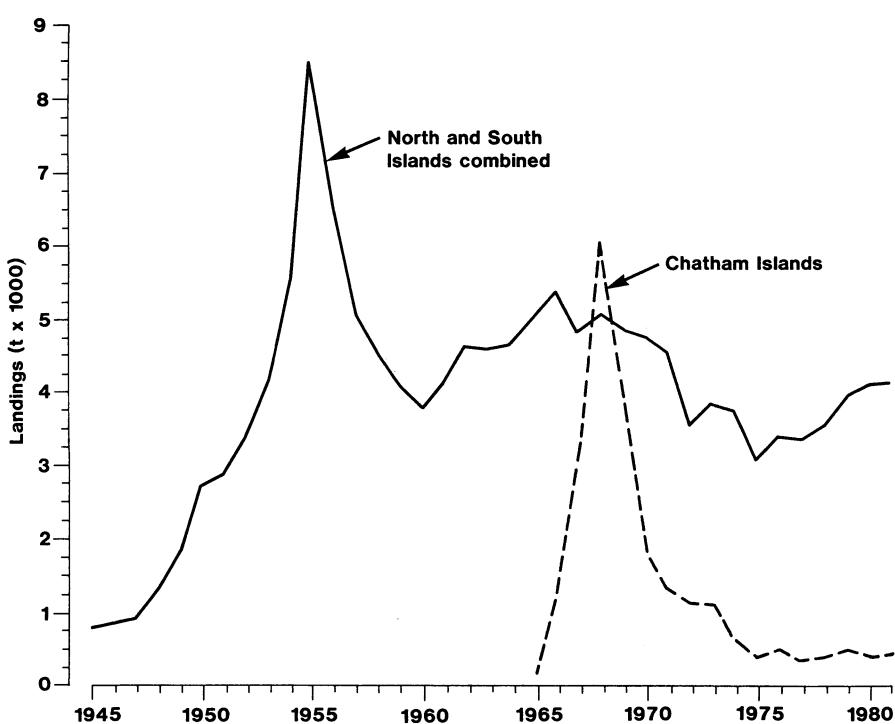


Fig. 3: Landings of *Jasus edwardsii* and *J. verreauxi* combined for North and South Islands combined and Chatham Islands during 1945-81.

Data for 1979-81 are from fishing return forms submitted by rock lobster fishermen. The 1979 and 1980 figures for North and South Islands, and the New Zealand total landings, have been amended in Table 1 to include landings of *J. verreauxi* (3 t in 1979 and 11 t in 1980) which were not included in *Fisheries Research Division Occasional Publication: Data Series No. 1* and 9. The landings for 1981 are those declared on fishing return forms received and processed by 1 August 1982.

Landings and effort data for *J. edwardsii* for each month during 1981 for each of the statistical areas and the combined totals for all of New Zealand are shown in Table 2. These data have been grouped by controlled fishery area and are shown in Table 3. The columns in Tables 2 and 3 which present landed weight (kg) for returns with effort data include the landed weight figures for only those vessels which supplied data on number of days fished. There are some areas where landings data are from more than a single day's fishing because a few fishermen failed to mark each day fished and gave only the days landed or total landings for the month. Thus, in these areas there may be a slight under-recording of days fished. This is restricted mainly to the Southern fishery and is unlikely to have a significant effect on the estimates of catch rates. The last column in Tables 2 and 3 (Total landed weight (kg) for all returns) includes the landed weight figures supplied for all vessels, including those without data on the number of days fished.

Total landings of *J. edwardsii*, effort, and landings per unit of effort are shown for each month during 1981 for all areas combined in Fig. 4. Landings and effort were highest during October-December and lowest during March-May.

Total landings of *J. verreauxi* and *J. edwardsii* combined by region of landing are shown in Table 5. Landings have been grouped into regions which correspond as closely as possible to the port of landing in the annual *Report on Fisheries*. As many as 40 landing points may be included in a single region (Fig. 5). These regions or ports of landing are not good indicators of areas actually fished, especially in the south of the South Island.

The distribution of landings per vessel is shown grouped into 1-t intervals for each of the controlled fishery areas for 1981 in Fig. 6.

## Discussion

The declared rock lobster landings have not been accurate because of under-reporting by fishermen and data handling problems. However, the modified return scheme and the requirement for complete and accurate fishing return data from the fishermen by the Fisheries Licensing Authority should now have improved the statistics collected.

There are still a few incomplete returns which do not show the required information, such as area fished. It would be preferable to eliminate the 'area not given' category in Tables 2 and 3. However, the amount of data in this category was much lower in 1981 than in 1979 and 1980. Similarly, returns are still being submitted without complete and accurate effort information.

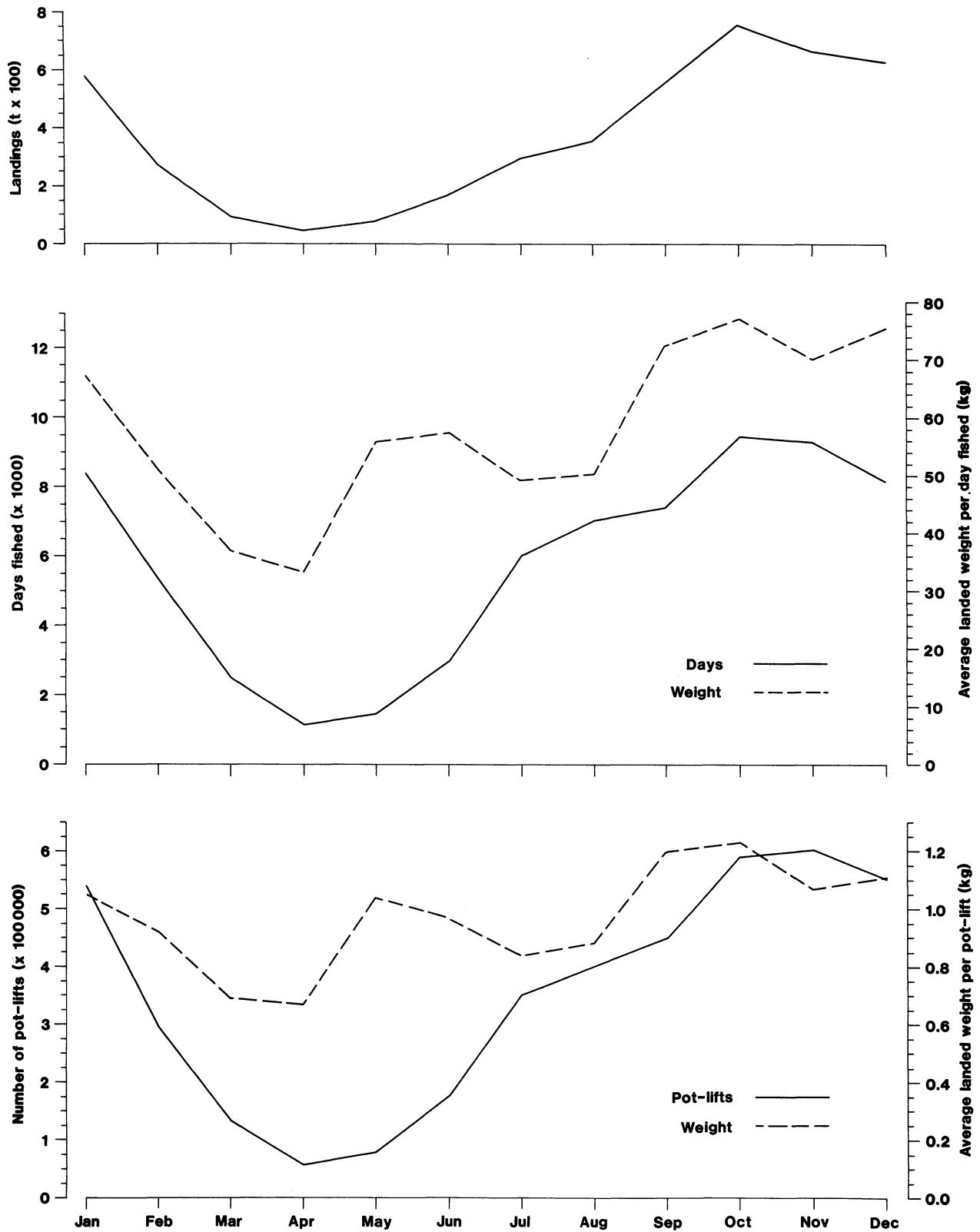


Fig. 4: Landings of *Jassus edwardsii* (whole weight), number of days fished, number of pot-lifts, average landed weight per day fished, and average landed weight per pot-lift for each month during 1981 for all areas combined.

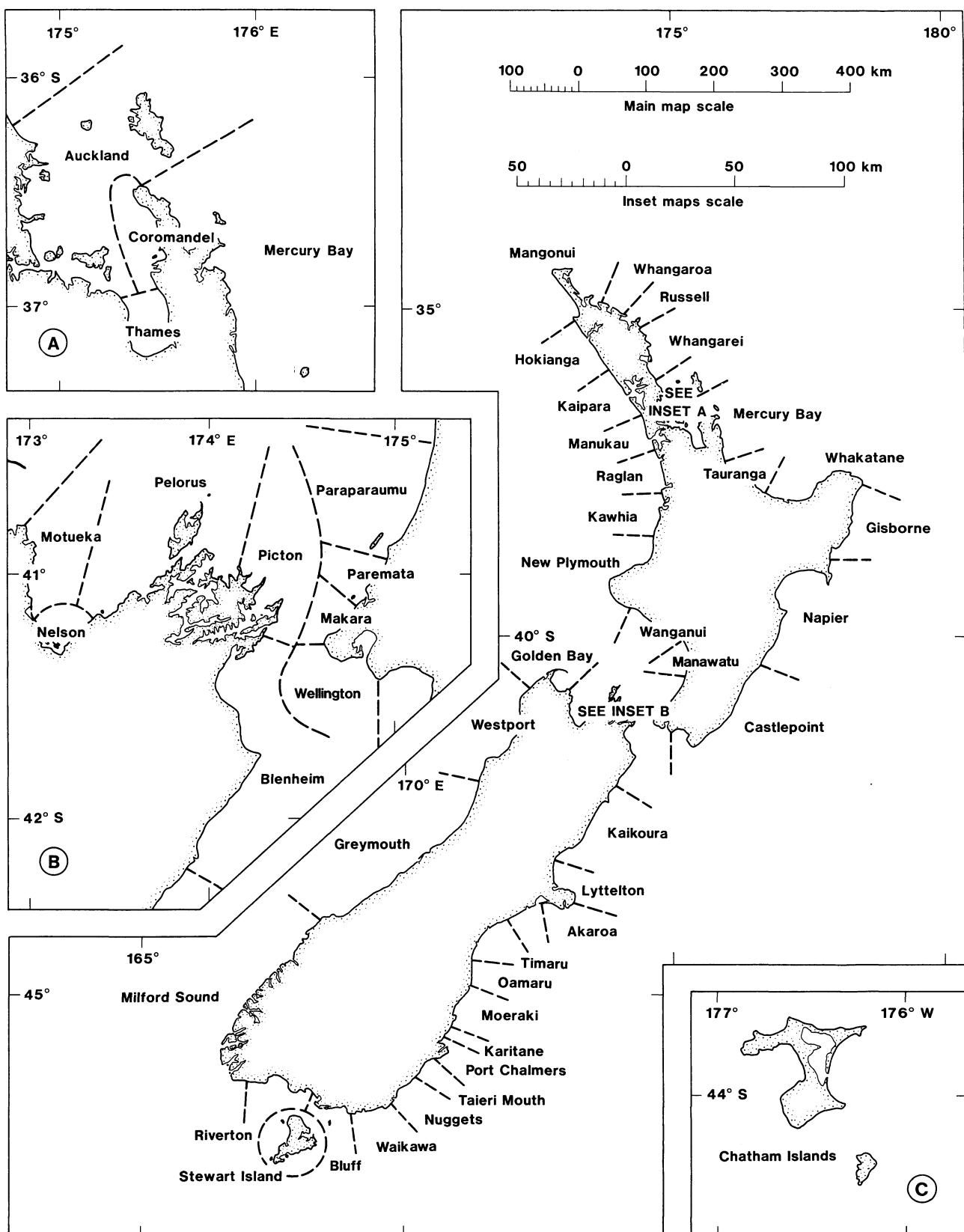


Fig. 5: Length of coastline included in each of the regions of landing shown in Table 5.

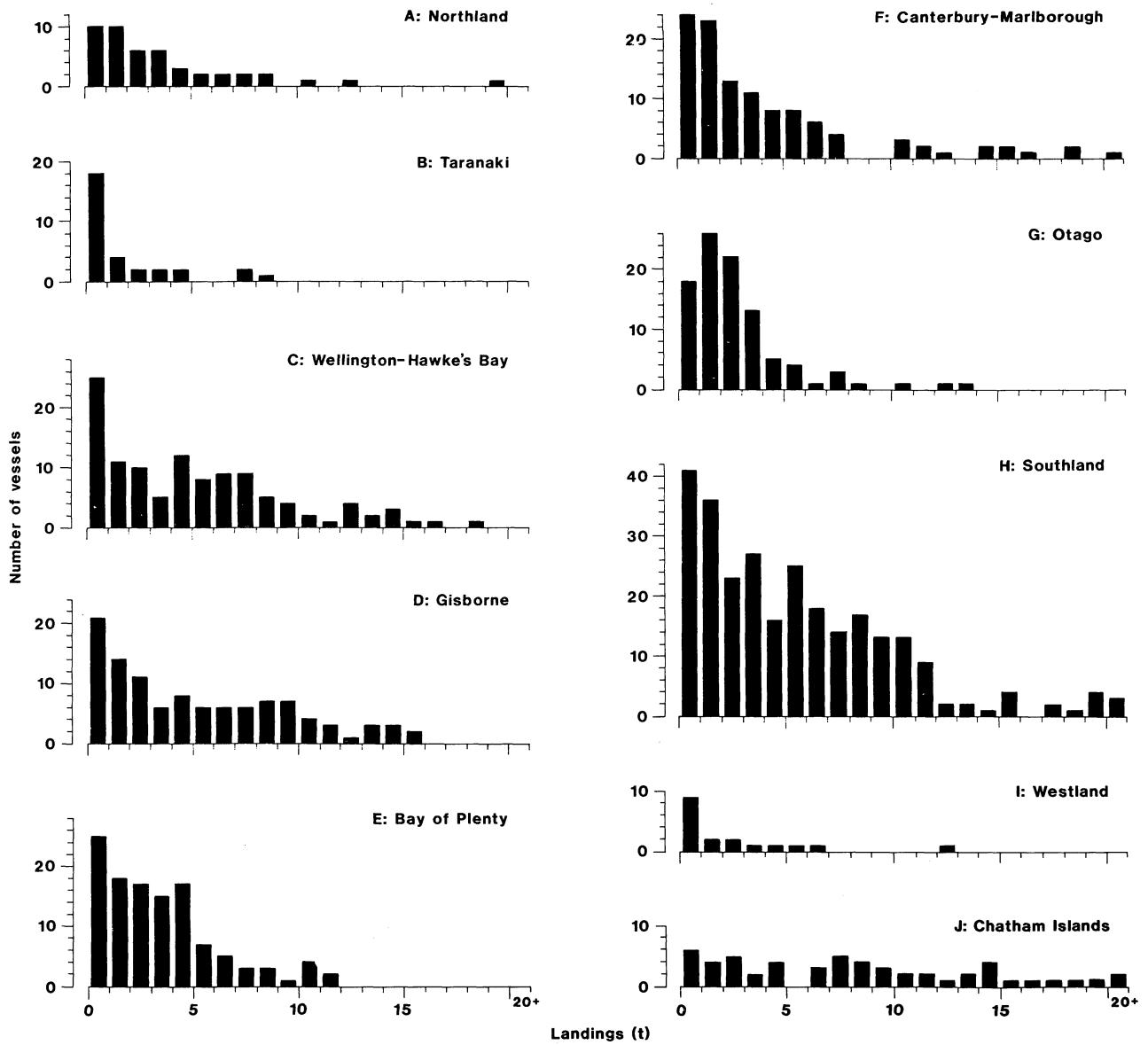


Fig. 6: Total landings of *Jasus edwardsii* per vessel for 1981 grouped into 1-t intervals for each controlled fishery area. The 0.00–0.99-t interval does not include data from vessels which declared nil landings for the entire year.

TABLE 1: Landings (whole weight) of *Jasus edwardsii* and *J. verreauxi* combined, and number of registered rock lobster vessels during 1945-81

Year	North and South Islands		Chatham Islands		New Zealand	
	Landings (t)	No. of vessels	Landings (t)	No. of vessels	Landings (t)	No. of vessels
1945	809	90			809	90
1946	854	98			854	98
1947	919	112			919	112
1948	1 360	148			1 360	148
1949	1 872	406			1 872	406
1950	2 672	238			2 672	238
1951	2 834	471			2 834	471
1952	3 324	500			3 324	500
1953	4 160	560			4 160	560
1954	5 541	557			5 541	557
1955	8 450	551			8 450	551
1956	6 547	584			6 547	584
1957	5 049	528			5 049	528
1958	4 447	728			4 447	728
1959	4 018	632			4 018	632
1960	3 762	706			3 762	706
1961	4 042	710			4 042	710
1962	4 583	812			4 583	812
1963	4 554	950			4 554	950
1964	4 597	659			4 597	659
1965	4 984	783	2	1	4 986	784
1966	5 295	829	1 271	36	6 566	865
1967	4 782	946	3 313	59	8 095	1 005
1968	4 975	1 097	5 958	120	10 933	1 217
1969	4 768	1 280	4 147	186	8 915	1 466
1970	4 699	1 246	1 751	125	6 450	1 371
1971	4 478	1 298	1 211	91	5 689	1 389
1972	3 495	1 399	1 088	82	4 583	1 481
1973	3 748	1 460	1 033	78	4 781	1 538
1974	3 643	1 309	518	61	4 161	1 370
1975	2 987	1 393	331	52	3 318	1 445
1976	3 311	1 639	391	45	3 702	1 684
1977	3 237	1 903	303	56	3 540	1 959
1978	3 418	1 786	293	65	3 711	1 851
1979	4 156	1 517	391	57	4 547	1 574
1980	4 202	1 074	342	51	4 544	1 125
1981	4 083	909	453	61	4 536	970

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 901						
Jan	5 005	43	116.4	2 623	1.91	5 005
Feb	3 238	30	107.9	1 560	2.08	3 238
Mar	555	10	55.5	300	1.85	555
Apr	-*	-	-	-	-	-
May	-	-	-	-	-	-
Jun	600	13	46.2	507	1.18	600
Jul	1 230	17	72.4	663	1.86	1 230
Aug	1 705	17	100.3	765	2.23	1 705
Sep	3 736	37	101.0	2 183	1.71	3 736
Oct	3 370	24	140.4	1 560	2.16	3 370
Nov	3 920	34	115.3	1 972	1.99	3 920
Dec	4 634	29	159.8	1 972	2.35	4 634
Total	27 993	254	110.2	14 105	1.98	27 993
Area 902						
Jan	13 512	96	140.8	8 352	1.62	13 512
Feb	6 863	60	114.4	3 600	1.91	6 863
Mar	5 345	72	74.2	3 240	1.65	5 345
Apr	1 074	40	26.8	1 920	0.56	1 074
May	53	8	6.6	320	0.17	53
Jun	-	-	-	-	-	-
Jul	1 455	20	72.8	820	1.77	1 455
Aug	1 626	31	52.4	1 519	1.07	1 626
Sep	2 138	31	69.0	1 798	1.19	2 138
Oct	5 570	58	96.0	3 364	1.66	5 570
Nov	6 746	56	120.5	4 088	1.65	6 746
Dec	10 935	53	206.3	4 876	2.24	10 935
Total	55 315	525	105.4	33 897	1.63	55 315
Area 903						
Jan	1 893	91	20.8	3 458	0.55	1 893-
Feb	2 044	78	26.2	3 198	0.64	2 044
Mar	1 381	55	25.1	2 365	0.58	1 381
Apr	101	6	16.8	174	0.58	101
May	-	-	-	-	-	-
Jun	13	4	3.1	104	0.12	13
Jul	1 165	52	22.4	2 080	0.56	1 165
Aug	3 964	87	45.6	5 742	0.69	3 964
Sep	3 376	84	40.2	4 788	0.70	3 376
Oct	3 664	89	41.2	5 607	0.65	3 664
Nov	6 185	90	68.7	6 300	0.98	6 185
Dec	8 663	111	78.0	6 216	1.39	8 663
Total	32 447	747	43.4	40 032	0.81	32 447

\* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 904						
Jan	6 112	210	29.1	7 350	0.83	6 112
Feb	2 315	91	25.4	3 367	0.69	2 315
Mar	884	40	22.1	1 400	0.63	884
Apr	44	16	2.7	192	0.23	44
May	-	-	-	-	-	-
Jun	80	2	40.0	-	-	80
Jul	738	43	17.2	903	0.82	738
Aug	1 829	98	18.7	3 234	0.57	1 829
Sep	2 563	128	20.0	2 944	0.87	2 563
Oct	2 508	109	23.0	4 142	0.61	2 508
Nov	2 927	103	28.4	4 738	0.62	2 927
Dec	5 083	110	46.2	5 720	0.89	5 083
Total	25 081	950	26.4	33 990	0.74	25 081
Area 905						
Jan	2 359	102	23.1	3 366	0.70	2 359
Feb	2 411	113	21.3	3 503	0.69	2 411
Mar	1 825	65	28.1	2 470	0.74	1 825
Apr	461	25	18.4	950	0.49	461
May	252	16	15.7	576	0.44	252
Jun	1 506	96	15.7	4 128	0.36	1 506
Jul	5 319	271	19.6	10 840	0.49	5 319
Aug	6 784	316	21.5	11 376	0.60	6 784
Sep	7 038	296	23.8	11 544	0.61	7 038
Oct	7 463	324	23.0	11 664	0.64	7 463
Nov	6 732	303	22.2	9 999	0.67	6 732
Dec	3 239	179	18.1	5 549	0.58	3 339
Total	45 387	2 106	21.6	75 965	0.60	45 487
Area 906						
Jan	18 522	466	39.7	31 222	0.59	18 522
Feb	10 127	344	29.4	22 016	0.46	10 127
Mar	3 900	137	28.5	8 083	0.48	3 900
Apr	839	45	18.6	2 205	0.38	839
May	415	21	19.8	987	0.42	415
Jun	1 545	104	14.9	5 304	0.29	1 545
Jul	12 192	486	25.1	27 702	0.44	12 192
Aug	19 348	675	28.7	41 175	0.47	19 348
Sep	15 447	577	26.8	36 928	0.42	15 447
Oct	26 250	572	45.9	36 608	0.72	26 250
Nov	23 326	590	39.5	39 530	0.59	23 326
Dec	24 165	608	39.7	38 912	0.62	24 165
Total	156 076	4 625	33.7	290 672	0.54	156 076

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 907						
Jan	10 150	196	51.8	14 112	0.72	10 150
Feb	5 250	134	39.2	8 308	0.63	5 250
Mar	1 671	37	45.1	1 739	0.96	1 671
Apr	2 209	55	40.2	2 805	0.79	2 209
May	1 710	47	36.4	2 491	0.69	1 710
Jun	1 608	72	22.3	3 816	0.42	1 608
Jul	5 741	161	35.7	10 465	0.55	5 741
Aug	5 187	161	32.2	10 948	0.47	5 187
Sep	8 435	182	46.3	12 740	0.66	8 535
Oct	11 419	210	54.4	14 490	0.79	11 419
Nov	9 337	169	55.2	12 168	0.77	9 337
Dec	9 048	170	53.2	11 560	0.78	9 048
Total	71 764	1 594	45.0	105 642	0.68	71 864
Area 908						
Jan	21 396	530	40.4	37 100	0.58	21 396
Feb	11 570	402	28.8	26 130	0.44	11 570
Mar	6 094	295	20.7	15 930	0.38	6 094
Apr	2 238	108	20.7	5 616	0.40	2 238
May	444	32	13.9	1 568	0.28	444
Jun	174	21	8.3	651	0.27	349
Jul	5 194	206	25.2	13 184	0.39	5 194
Aug	7 885	306	25.8	20 196	0.39	7 885
Sep	6 914	263	26.3	16 832	0.41	6 914
Oct	16 706	419	39.9	28 492	0.59	16 706
Nov	20 352	453	44.9	32 616	0.62	20 352
Dec	21 036	464	45.3	34 336	0.61	21 036
Total	120 004	3 499	34.3	232 651	0.52	120 179
Area 909						
Jan	16 040	155	103.5	13 330	1.20	16 040
Feb	4 457	73	61.1	4 453	1.00	4 457
Mar	4 726	53	89.2	4 399	1.07	4 726
Apr	4 353	42	103.6	3 108	1.40	4 353
May	165	11	15.0	374	0.44	165
Jun	4 203	56	75.0	4 032	1.04	4 203
Jul	11 434	133	86.0	9 709	1.18	11 434
Aug	9 237	113	81.7	7 571	1.22	9 237
Sep	7 324	69	106.1	5 106	1.43	7 324
Oct	9 018	95	94.9	8 075	1.12	9 018
Nov	13 651	125	109.2	10 625	1.28	13 651
Dec	23 333	176	132.6	15 488	1.51	23 333
Total	107 939	1 101	98.0	86 270	1.25	107 939

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 910						
Jan	32 244	510	63.2	42 330	0.76	32 244
Feb	16 987	312	54.4	22 776	0.75	16 987
Mar	18 952	317	59.8	24 409	0.78	18 952
Apr	7 320	197	37.2	12 411	0.59	7 320
May	1 232	68	18.1	3 536	0.35	1 232
Jun	17 496	302	57.9	20 536	0.85	17 496
Jul	23 578	387	60.9	29 025	0.81	23 578
Aug	6 530	164	39.8	11 480	0.57	6 530
Sep	7 170	152	47.2	10 336	0.69	7 170
Oct	18 349	355	51.7	26 270	0.70	18 349
Nov	32 512	452	71.9	37 064	0.88	32 512
Dec	71 195	676	105.3	58 812	1.21	71 195
Total	253 562	3 892	65.1	298 985	0.85	253 562
Area 911						
Jan	40 180	539	74.5	39 886	1.01	40 180
Feb	17 511	318	55.1	22 260	0.79	17 511
Mar	7 856	170	46.2	12 240	0.64	7 856
Apr	3 484	74	47.1	4 810	0.72	3 484
May	374	15	24.9	825	0.45	374
Jun	5 662	111	51.0	5 883	0.96	5 778
Jul	19 572	327	59.9	20 601	0.95	19 572
Aug	9 392	225	41.7	15 075	0.62	9 392
Sep	17 141	321	53.4	21 507	0.80	17 141
Oct	20 996	381	55.1	26 289	0.80	20 996
Nov	24 759	389	63.6	29 175	0.85	24 759
Dec	40 095	513	78.2	40 014	1.00	40 095
Total	207 019	3 383	61.2	238 565	0.87	207 135
Area 912						
Jan	29 715	395	75.2	26 070	1.14	29 715
Feb	18 808	278	67.7	17 514	1.07	18 808
Mar	9 315	170	54.8	10 880	0.86	9 315
Apr	7 033	95	74.0	5 795	1.21	7 033
May	2 432	30	81.1	1 800	1.35	2 432
Jun	15 479	159	97.4	10 653	1.45	15 479
Jul	19 808	231	85.7	15 708	1.26	19 808
Aug	14 977	229	65.4	15 343	0.98	14 977
Sep	19 074	329	58.0	22 701	0.84	19 074
Oct	21 935	317	69.2	21 873	1.00	21 935
Nov	20 791	305	68.2	21 350	0.97	20 791
Dec	35 466	384	92.4	26 880	1.32	35 466
Total	214 831	2 922	73.5	196 567	1.09	214 831

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 913						
Jan	20 627	307	67.2	27 630	0.75	20 627
Feb	9 483	156	60.8	12 324	0.77	9 483
Mar	1 943	41	47.4	2 296	0.85	1 943
Apr	542	8	67.8	440	1.23	542
May	6 629	69	96.1	5 865	1.13	6 629
Jun	12 593	134	94.0	11 390	1.11	12 593
Jul	17 929	251	71.4	20 331	0.88	17 929
Aug	9 822	167	58.8	13 193	0.74	9 822
Sep	20 043	262	76.5	22 532	0.89	20 043
Oct	15 413	222	69.4	21 978	0.70	15 413
Nov	8 444	115	73.4	12 305	0.69	8 444
Dec	14 034	193	72.7	18 528	0.76	14 034
Total	137 503	1 925	71.4	168 812	0.81	137 503
Area 914						
Jan	22 434	387	58.0	31 734	0.71	22 434
Feb	5 005	169	29.6	10 985	0.46	5 005
Mar	678	36	18.8	1 728	0.39	678
Apr	34	11	3.1	462	0.07	34
May	8 120	135	60.1	10 125	0.80	8 120
Jun	14 077	268	52.5	22 244	0.63	14 077
Jul	16 489	309	53.4	26 265	0.63	16 489
Aug	7 301	177	41.2	13 629	0.54	7 301
Sep	16 759	308	54.4	25 564	0.66	16 759
Oct	24 451	333	73.4	28 638	0.85	24 451
Nov	21 344	291	73.3	25 899	0.82	21 344
Dec	22 399	222	100.9	21 312	1.05	22 399
Total	159 091	2 646	60.1	218 585	0.73	159 091
Area 915						
Jan	7 747	221	35.1	14 586	0.53	7 747
Feb	8 135	221	36.8	14 365	0.57	8 135
Mar	2 597	114	22.8	5 244	0.50	2 597
Apr	478	32	14.9	768	0.62	478
May	2 606	51	51.1	2 754	0.95	2 606
Jun	3 148	74	42.5	5 106	0.62	3 148
Jul	4 619	134	34.5	8 442	0.55	4 619
Aug	3 785	129	29.3	7 353	0.51	3 785
Sep	5 460	135	40.4	8 100	0.67	5 460
Oct	10 765	207	52.0	15 732	0.68	10 765
Nov	10 883	235	46.3	19 035	0.57	10 883
Dec	11 474	226	50.8	15 594	0.74	11 474
Total	71 696	1 779	40.3	117 079	0.61	71 696

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 916						
Jan	20 590	191	107.8	23 302	0.88	20 590
Feb	2 092	49	42.7	3 136	0.67	2 092
Mar	1 033	64	16.1	2 240	0.46	1 033
Apr	674	38	17.7	2 318	0.29	674
May	5 235	111	47.2	8 991	0.58	5 235
Jun	4 987	99	50.4	10 890	0.46	4 987
Jul	3 791	96	39.5	10 464	0.36	3 791
Aug	2 240	46	48.7	4 232	0.53	2 240
Sep	5 117	105	48.7	10 605	0.48	5 117
Oct	14 538	185	78.6	23 310	0.62	14 538
Nov	18 912	180	105.1	25 560	0.74	18 912
Dec	25 948	239	108.6	33 699	0.77	25 948
Total	105 156	1 403	75.0	158 747	0.66	105 156
Area 917						
Jan	49 909	936	53.3	52 416	0.95	50 078
Feb	28 981	584	49.6	28 616	1.01	28 981
Mar	3 512	178	19.7	6 764	0.52	3 512
Apr	3 173	183	17.3	6 588	0.48	3 173
May	24 432	513	47.6	23 598	1.04	24 432
Jun	5 875	143	41.1	6 292	0.93	5 875
Jul	2 552	101	25.3	3 636	0.70	2 552
Aug	1 248	45	27.7	2 070	0.60	1 248
Sep	7 208	292	24.7	11 388	0.63	7 208
Oct	22 511	682	33.0	29 326	0.77	22 511
Nov	48 266	964	50.1	51 092	0.94	48 266
Dec	54 881	996	55.1	54 780	1.00	54 881
Total	252 546	5 617	45.0	276 566	0.91	252 715
Area 918						
Jan	556	25	22.2	825	0.67	556
Feb	250	15	16.7	420	0.60	250
Mar	75	11	6.8	242	0.31	75
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	1 312	79	16.6	2 291	0.57	1 312
Aug	3 582	140	25.6	5 740	0.62	3 582
Sep	4 681	150	31.2	6 750	0.69	4 681
Oct	8 051	197	40.9	9 259	0.87	8 051
Nov	7 616	152	50.1	7 296	1.04	7 616
Dec	5 645	123	45.9	5 289	1.07	5 645
Total	31 767	892	35.6	38 112	0.83	31 767

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 919						
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	278	6	46.3	144	1.93	278
May	74	3	24.7	78	0.95	74
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Total	352	9	39.1	222	1.58	352
Area 920						
Jan	3 126	128	24.4	5 248	0.60	3 126
Feb	2 644	87	30.4	2 697	0.98	2 644
Mar	1 670	69	24.2	2 829	0.59	1 670
Apr	264	34	7.8	884	0.30	264
May	54	6	8.9	84	0.64	54
Jun	15 053	378	39.8	20 412	0.74	15 365
Jul	37 302	1 024	36.4	55 296	0.67	37 302
Aug	36 532	922	39.6	51 632	0.71	36 532
Sep	36 887	813	45.4	47 154	0.78	36 887
Oct	16 793	609	27.6	31 059	0.54	16 793
Nov	10 460	365	28.7	18 250	0.57	10 460
Dec	3 793	172	22.0	7 568	0.50	3 793
Total	164 576	4 607	35.7	243 113	0.68	164 888
Area 921						
Jan	520	20	26.0	800	0.65	520
Feb	9	3	3.0	24	0.38	9
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	12	4	3.0	4	3.00	12
Jun	5 936	134	44.3	6 030	0.98	7 508
Jul	36 354	474	76.7	27 018	1.35	36 354
Aug	30 300	448	67.6	25 984	1.17	30 595
Sep	16 384	283	57.9	16 131	1.02	16 384
Oct	8 131	219	37.1	9 855	0.83	8 131
Nov	4 258	115	37.0	5 865	0.73	4 258
Dec	1 442	35	41.2	1 470	0.98	1 442
Total	103 345	1 735	59.6	93 181	1.11	105 212

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 922						
Jan	1 284	32	40.1	1 408	0.91	1 584
Feb	324	17	19.1	850	0.38	624
Mar	210	15	14.0	600	0.35	210
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	501	21	23.9	1 428	0.35	501
Jul	1 197	30	39.9	1 020	1.17	1 197
Aug	6 156	71	86.7	4 189	1.47	6 156
Sep	3 826	40	95.6	2 640	1.45	4 543
Oct	4 881	36	135.6	2 088	2.34	4 881
Nov	1 089	31	35.1	1 674	0.65	2 934
Dec	570	22	25.9	836	0.68	570
Total	20 038	315	63.6	16 733	1.20	23 200
Area 923						
Jan	1 792	51	35.1	1 734	1.03	2 602
Feb	1 386	33	42.0	1 287	1.08	1 386
Mar	80	15	5.3	180	0.44	80
Apr	21	3	7.0	36	0.58	21
May	1 604	18	89.1	522	3.07	1 604
Jun	3 827	67	57.1	2 077	1.84	3 827
Jul	4 445	149	29.8	5 513	0.81	4 445
Aug	21 109	316	66.8	15 168	1.39	21 769
Sep	36 419	274	132.9	14 796	2.46	36 419
Oct	45 277	395	114.6	22 515	2.01	48 922
Nov	28 627	319	89.7	19 459	1.47	30 547
Dec	9 303	131	71.0	6 288	1.48	11 919
Total	153 887	1 771	86.9	89 575	1.72	163 538
Area 924						
Jan	11 874	193	61.5	9 071	1.31	11 874
Feb	5 437	87	62.5	3 741	1.45	5 437
Mar	2 312	49	47.2	2 205	1.05	2 918
Apr	227	4	56.6	228	0.99	227
May	232	11	21.1	154	1.51	232
Jun	464	24	19.3	480	0.97	989
Jul	4 910	174	28.2	6 786	0.72	4 910
Aug	43 688	731	59.8	33 626	1.30	46 600
Sep	133 818	962	139.1	53 872	2.48	146 725
Oct	96 484	891	108.3	49 005	1.97	110 612
Nov	50 220	706	71.1	36 006	1.39	58 922
Dec	21 210	308	68.9	13 552	1.57	27 181
Total	370 875	4 140	89.6	208 726	1.78	416 625

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 925						
Jan	5 655	17	332.6	459	12.32	5 655
Feb	2 262	18	125.7	342	6.61	2 262
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	6 234	31	201.1	930	6.70	6 234
Dec	3 309	14	236.4	420	7.88	3 309
Total	17 460	80	218.3	2 151	8.12	17 460
Area 926						
Jan	24 291	260	93.4	15 080	1.61	26 307
Feb	7 983	136	58.7	6 528	1.22	7 983
Mar	3 147	50	62.9	3 150	1.00	3 147
Apr	872	15	58.1	645	1.35	872
May	1 230	26	47.3	806	1.53	1 230
Jun	14 767	194	76.1	8 536	1.73	14 767
Jul	9 222	164	56.2	8 036	1.15	10 359
Aug	46 176	436	105.9	26 160	1.77	46 176
Sep	90 749	505	179.7	31 815	2.85	91 934
Oct	106 079	667	159.0	43 355	2.45	109 745
Nov	78 138	638	122.5	40 194	1.94	81 456
Dec	48 796	403	121.1	23 374	2.09	52 063
Total	431 449	3 494	123.5	207 679	2.08	446 038
Area 927						
Jan	24 460	379	64.5	22 740	1.08	27 424
Feb	9 495	184	51.6	10 856	0.87	11 783
Mar	1 146	64	17.9	2 432	0.47	1 734
Apr	315	23	13.7	782	0.40	315
May	612	29	21.1	986	0.62	612
Jun	1 775	69	25.7	2 553	0.70	2 249
Jul	11 675	183	63.8	9 333	1.25	11 675
Aug	16 376	307	53.3	18 113	0.90	17 648
Sep	25 168	243	103.6	13 851	1.82	27 904
Oct	56 685	466	121.6	29 824	1.90	60 471
Nov	48 981	425	115.2	30 600	1.60	50 456
Dec	12 903	206	62.6	13 390	0.96	13 239
Total	209 590	2 578	81.3	155 460	1.35	225 508

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 928						
Jan	30 825	509	60.6	26 468	1.16	36 531
Feb	17 501	319	54.9	15 950	1.10	18 374
Mar	3 863	97	39.8	4 753	0.81	3 863
Apr	558	18	31.0	1 404	0.40	558
May	312	15	20.8	330	0.95	312
Jun	4 271	56	76.3	3 192	1.34	4 271
Jul	4 550	67	67.9	3 551	1.28	4 550
Aug	8 849	169	52.4	9 971	0.89	10 445
Sep	8 782	100	87.8	5 700	1.54	10 381
Oct	38 910	343	113.4	21 266	1.83	41 127
Nov	33 023	448	73.7	28 224	1.17	34 787
Dec	20 275	340	59.6	19 720	1.03	20 275
Total	171 718	2 481	69.2	140 529	1.22	185 473
Area 929						
Jan	423	27	15.7	891	0.47'	423
Feb	254	18	14.1	594	0.43	254
Mar	311	26	11.9	806	0.39	311
Apr	57	8	7.1	272	0.21	57
May	-	-	-	-	-	-
Jun	115	1	114.9	60	1.92	115
Jul	12	2	6.0	24	0.50	12
Aug	45	5	9.0	100	0.45	45
Sep	3	1	3.0	29	0.10	3
Oct	1 305	31	42.1	1 147	1.14	1 305
Nov	807	31	26.0	1 271	0.63	807
Dec	474	14	33.9	616	0.77	474
Total	3 805	164	23.2	5 810	0.65	3 805
Area 930						
Jan	2 073	76	27.3	2 052	1.01	2 073
Feb	1 276	48	26.6	1 296	0.98	1 276
Mar	600	32	18.7	800	0.75	600
Apr	135	7	19.3	203	0.67	135
May	32	2	16.0	50	0.64	32
Jun	-	-	-	-	-	-
Jul	32	2	16.0	56	0.57	32
Aug	213	8	26.6	280	0.76	213
Sep	525	14	37.5	378	1.39	525
Oct	1 264	51	24.8	1 938	0.65	1 264
Nov	1 678	57	29.4	2 223	0.75	1 678
Dec	1 031	33	31.3	990	1.04	1 031
Total	8 857	330	26.8	10 266	0.86	8 857

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 931						
Jan	6 098	56	108.9	2 520	2.42	6 098
Feb	3 183	44	72.3	1 716	1.85	3 183
Mar	240	7	34.3	217	1.11	240
Apr	14	1	14.0	30	0.47	7 003
May	129	3	43.0	120	1.07	129
Jun	773	13	59.4	195	3.96	773
Jul	1 350	14	96.4	266	5.08	1 350
Aug	1 119	13	86.1	273	4.10	1 119
Sep	113	2	56.5	80	1.41	113
Oct	-	-	-	-	-	-
Nov	4 739	54	87.8	1 620	2.93	4 739
Dec	4 445	41	108.4	1 558	2.85	4 445
Total	22 202	248	89.5	8 595	2.58	29 191
Area 932						
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	112	8	14.0	320	0.35	112
Sep	109	9	12.1	360	0.30	109
Oct	795	11	72.2	770	1.03	795
Nov	41	6	6.8	420	0.10	41
Dec	1 536	19	80.8	874	1.76	1 536
Total	2 593	53	48.9	2 744	0.94	2 593
Area 933						
Jan	8 968	175	51.2	12 250	0.73	8 968
Feb	7 327	130	56.4	6 630	1.11	7 327
Mar	844	22	38.4	1 342	0.63	844
Apr	7	2	3.5	58	0.12	7
May	-	-	-	-	-	-
Jun	1 623	55	29.5	3 355	0.48	1 623
Jul	8 578	158	54.3	9 164	0.94	8 578
Aug	4 162	125	33.3	6 625	0.63	4 162
Sep	5 897	181	32.6	12 851	0.46	5 897
Oct	11 915	191	62.4	14 898	0.80	11 915
Nov	14 447	200	72.2	16 400	0.88	14 447
Dec	13 144	159	82.7	12 879	1.02	13 144
Total	76 910	1 398	55.0	96 452	0.80	76 910

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 934						
Jan	80	7	11.4	140	0.57	80
Feb	352	11	32.0	-	-	352
Mar	72	5	14.3	50	1.43	72
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	190	10	19.0	-	-	190
Oct	148	8	18.5	-	-	148
Nov	195	9	21.7	-	-	195
Dec	159	7	22.7	-	-	159
Total	1 195	57	21.0	190	6.29	1 195
Area 935						
Jan	3 217	87	37.0	3 567	0.90	3 217
Feb	1 964	58	33.9	3 248	0.60	1 964
Mar	358	18	19.9	810	0.44	358
Apr	29	3	9.7	72	0.40	29
May	12	8	1.5	72	0.17	12
Jun	-	-	-	-	-	-
Jul	101	5	20.2	170	0.59	101
Aug	311	26	12.0	520	0.60	311
Sep	25	10	2.5	90	0.28	25
Oct	1 101	36	30.6	1 908	0.58	1 101
Nov	1 283	42	30.5	2 352	0.55	1 283
Dec	1 018	41	24.8	2 624	0.39	1 018
Total	9 418	334	28.2	15 433	0.61	9 418
Area 936						
Jan	8 026	222	36.2	5 772	1.39	8 026
Feb	4 145	213	19.5	5 112	0.81	4 145
Mar	1 360	81	16.8	2 511	0.54	1 360
Apr	195	13	15.0	403	0.48	195
May	-	-	-	-	-	-
Jun	86	4	21.5	140	0.61	86
Jul	66	6	11.0	60	1.10	66
Aug	13	3	4.3	30	0.43	13
Sep	106	8	13.3	200	0.53	106
Oct	1 019	35	29.1	1 680	0.61	1 019
Nov	2 167	85	25.5	4 165	0.52	2 167
Dec	3 251	103	31.6	5 047	0.64	3 251
Total	20 432	773	26.4	25 120	0.81	20 432

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 937						
Jan	9 880	97	101.9	3 783	2.61	9 880
Feb	3 704	68	54.5	2 652	1.40	3 704
Mar	713	24	29.7	720	0.99	713
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	162	2	81.0	30	5.40	162
Aug	439	11	39.9	143	3.07	439
Sep	66	1	66.0	12	5.50	66
Oct	1 798	30	59.9	1 050	1.71	1 798
Nov	3 656	57	64.1	2 337	1.56	3 656
Dec	4 686	88	53.3	3 784	1.24	4 686
Total	25 104	378	66.4	14 511	1.73	25 104
Area 938						
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	93	4	23.3	128	0.73	93
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Total	93	4	23.3	128	0.73	93
Area 939						
Jan	15 745	200	78.7	15 200	1.04	15 745
Feb	5 253	98	53.6	5 684	0.92	5 553
Mar	2 413	57	42.3	2 565	0.94	2 413
Apr	1 028	22	46.7	660	1.56	1 028
May	45	2	22.5	40	1.13	45
Jun	-	-	-	-	-	-
Jul	233	8	29.1	536	0.43	233
Aug	2 596	41	63.3	3 608	0.72	2 596
Sep	1 163	17	68.4	1 717	0.68	1 163
Oct	5 466	102	53.6	8 058	0.68	5 466
Nov	4 794	95	50.5	8 265	0.58	4 794
Dec	11 186	146	76.6	11 972	0.93	11 186
Total	49 918	788	63.3	58 305	0.86	50 218

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 940						
Jan	34 090	169	201.7	10 816	3.15	34 090
Feb	16 159	113	143.0	5 763	2.80	16 159
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	3 448	27	127.7	1 512	2.28	3 448
Jun	6 578	57	115.4	2 622	2.51	6 578
Jul	7 620	66	115.5	3 894	1.96	7 620
Aug	3 171	26	121.9	1 326	2.39	3 171
Sep	1 677	16	104.8	928	1.81	1 677
Oct	17 360	81	214.3	4 131	4.20	17 360
Nov	10 607	80	132.6	4 880	2.17	10 607
Dec	16 451	95	173.2	6 365	2.58	16 451
Total	117 158	730	160.5	42 237	2.77	117 158
Area 941						
Jan	11 627	140	83.0	7 280	1.60	11 627
Feb	6 766	92	73.5	5 060	1.34	6 766
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	8 211	91	90.2	5 733	1.43	8 211
Jun	10 558	123	85.8	7 872	1.34	10 558
Jul	5 681	94	60.4	5 640	1.01	5 681
Aug	6 461	91	71.0	5 915	1.09	6 461
Sep	10 784	148	72.9	9 768	1.10	10 784
Oct	26 861	224	119.9	15 904	1.69	26 861
Nov	15 342	174	88.2	12 354	1.24	15 342
Dec	10 697	143	74.8	11 154	0.96	10 697
Total	112 987	1 320	85.6	86 680	1.30	112 987
Area 942						
Jan	26 932	122	220.8	8 662	3.11	26 932
Feb	9 851	102	96.6	4 590	2.15	9 851
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	6 160	41	150.2	1 886	3.27	6 160
Jun	9 509	58	163.9	3 074	3.09	9 509
Jul	4 192	40	104.8	2 080	2.02	4 192
Aug	2 842	33	86.1	1 584	1.79	2 842
Sep	3 188	34	93.8	1 326	2.40	3 188
Oct	32 605	168	194.1	10 080	3.23	32 605
Nov	29 459	170	173.3	9 860	2.99	29 459
Dec	30 989	140	221.3	8 120	3.82	30 989
Total	155 725	908	171.5	51 262	3.04	155 725

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1981 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
Area 943						
Jan	18 258	93	196.4	4 836	3.78	18 268
Feb	8 936	69	129.5	3 381	2.64	8 936
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	4 453	24	185.5	1 104	4.03	4 453
Jun	4 136	32	129.2	1 280	3.23	4 136
Jul	4 016	45	89.2	2 070	1.94	4 016
Aug	1 258	12	104.8	648	1.94	1 258
Sep	469	6	78.2	258	1.82	842
Oct	8 709	58	150.1	2 320	3.75	8 709
Nov	10 665	94	113.5	5 076	2.10	10 665
Dec	5 419	47	115.3	2 209	2.45	5 531
Total	66 327	480	138.2	23 182	2.86	66 812
Area not given						
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	63	8	7.9	240	0.26	63
May	58	9	6.4	243	0.24	58
Jun	-	-	-	-	-	357
Jul	36	3	12.0	84	0.43	36
Aug	1 541	18	85.6	954	1.62	1 949
Sep	-	-	-	-	-	3 233
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	555
Dec	-	-	-	-	-	-
Total	1 698	38	44.7	1 521	1.12	6 251
New Zealand totals						
Jan	568 238	8 460	67.2	540 469	1.05	580 204
Feb	271 732	5 375	50.6	296 532	0.92	275 493
Mar	91 769	2 500	36.7	132 067	0.69	92 963
Apr	38 115	1 147	33.2	56 653	0.67	45 105
May	80 774	1 448	55.8	77 550	1.04	80 774
Jun	169 013	2 944	57.4	174 842	0.97	172 544
Jul	295 847	6 014	49.2	353 756	0.84	296 984
Aug	349 907	6 946	50.4	397 810	0.88	357 049
Sep	535 968	7 398	72.4	448 302	1.20	558 818
Oct	726 558	9 431	77.0	589 528	1.23	754 001
Nov	647 609	9 238	70.1	603 237	1.07	667 187
Dec	617 356	8 179	75.5	554 347	1.11	629 758
Total	4 392 886	69 080	63.6	4 225 093	1.04	4 510 879

TABLE 3: Landings (whole weight) of *Jasus edwardsii* during 1981 by controlled fishery area; area boundaries shown in Fig. 2

Controlled fishery area (statistical areas)	No. of vessels licensed	Landed weight (kg) for returns with effort data	No. of vessel days fished	Av. weight landed per day fished (kg)	Estimated No. of pot-lifts	Av. weight landed per pot-lift (kg)	Total landed weight (kg) for all returns
A, Northland (901-04, 939)	41	190 754	3 264	58.4	180 329	1.06	191 054
B, Taranaki (935-38)	19	55 047	1 489	37.0	55 192	1.00	55 047
C, Wellington-Hawke's Bay (912-15, 934)	101	584 315	9 329	62.6	701 233	0.83	584 315
D, Gisborne (909-11)	96	568 519	8 376	67.9	623 820	0.91	568 635
E, Bay of Plenty (905-08)	107	393 230	11 824	33.3	704 930	0.56	393 605
F, Canterbury-Marlborough (916-19, 932-33)	106	469 323	9 372	50.1	572 843	0.82	469 492
G, Otago (920-21)	108	267 921	6 342	42.2	336 294	0.80	270 100
H, Southern (922-28)	317	1 375 016	14 859	92.5	820 853	1.68	1 477 842
I, Westland (929-31)	14	34 864	742	47.0	24 671	1.41	41 853
J, Chatham Islands (940-43)	61	452 197	3 438	131.5	203 361	2.22	452 682
North & South Is. combined (901-39)	909	3 938 991	65 597	60.0	4 020 165	0.98	4 051 945
Not given	-	1 698	38	44.7	1 521	1.12	6 251
N.Z. totals	970	4 392 886	69 080	63.6	4 225 093	1.04	4 510 879

TABLE 4: Landings (whole weight) of *Jasus verreauxi* during 1981 by statistical area (only areas which recorded landings are shown); area boundaries shown in Fig. 1

Area	Total landed weight (kg)	Area	Total landed weight (kg)
902	23 802	911	5
903	689	914	15
904	288	915	1
905	70	927	1
906	118	933	25
907	7	936	37
908	149	939	28
910	9		
		N.Z. totals	25 242

TABLE 5: Landings (kg whole weight) by region (groups of points of landings) of *Jasus edwardsii* and *J. verreauxi* during 1981

Region of landing	<i>Jasus edwardsii</i>	<i>Jasus verreauxi</i>
Mangonui	102 912	24 442
Whangaroa	46 977	71
Russell	9 152	18
Hokianga	17 685	5
Whangarei	16 415	270
Auckland	39 010	70
Thames	0	0
Coromandel	9 437	0
Kawhia	6 803	0
Raglan	18 394	0
Mercury Bay	150 799	118
Tauranga	58 281	7
Whakatane	184 817	149
Gisborne	326 758	9
Napier	406 166	5
Castlepoint	301 605	15
Wellington	62 853	1
Makara	3 156	0
Paremata	1 102	0
Paraparaumu	0	0
Manawatu	0	0
Wanganui	0	0
New Plymouth	29 985	37
Kaipara	0	0
Golden Bay	15 713	0
Motueka	11 908	0
Nelson	6 851	25
Pelorus	0	0
Picton	52 620	0
Blenheim	123 109	0
Kaikoura	257 797	0
Lyttelton	2 715	0
Akaroa	29 006	0
Timaru	352	0
Oamaru	12 254	0
Moeraki	70 655	0
Karitane	67 945	0
Port Chalmers	68 123	0
Taiieri Mouth	34 394	0
Nuggets	27 900	0
Waikawa	12 080	0
Riverton	234 341	0
Bluff	527 996	0
Milford Sound	277 640	1
Stewart Island	311 065	0
Greymouth	106 374	0
Westport	15 054	0
Chatham Islands	452 682	0
Total for all ports	4 510 879	25 242