

The 1979 New Zealand rock lobster landings

by
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Fisheries Research Division
Occasional Publication: Data Series No. 1

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ROCK LOBSTER FISHING RETURN

REGISTERED No. NAME OF VESSEL MONTH 19.....

SHORE FISHING PERMIT No. PORT OF LANDING BASE PORT

Day of Month	Mark Each Day Fished (✓)	Area Number (see map)	Number of Pots Hauled	Weight Landed in Kg (for days you landed your catch)			
				Whole Reds	Tailed Reds	Packhorse	Other Species
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
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21							
22							
23							
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26							
27							
28							
29							
30							
31							

Show Other Methods Used During Month:

.....

(Signature of Owner or Agent)

Introduction

The fishery for New Zealand's two rock lobster species is the single most important domestic fishery, both in the number of commercial fishermen participating and in total export earnings (\$27 million f.o.b. in 1979). The fishery for *Jasus edwardsii* (the red or spiny rock lobster) is widespread, and landings of this species have generally constituted at least 95% of the total rock lobster landings. The fishery for *J. verreauxi* (the packhorse or green rock lobster) is relatively small and confined mainly to Northland and western Bay of Plenty.

The 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 1979 in Table 1 and Fig. 1. In addition, the number of registered rock lobster vessels for each year is shown in Table 1. Data for the years before 1979 are from the port of landing figures included in the Ministry of Agriculture and Fisheries' annual *Report on Fisheries*. The data for 1979 are by statistical area fished.

Total rock lobster landings declined during the 1970s as fishing effort rapidly increased. A limited entry licensing scheme was progressively introduced from April 1980 as a first step towards controlling the

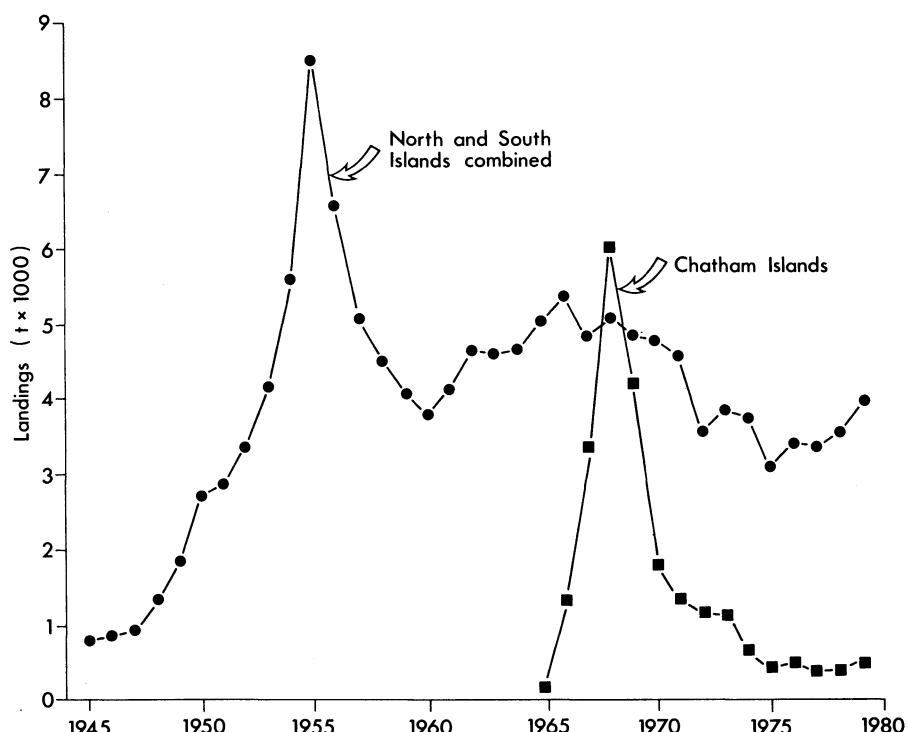


Fig. 1: Landings of *Jasus edwardsii* and *J. verreauxi* combined for North and South Islands combined and Chatham Islands during 1945-79.

level of exploitation of the fishery. It was recognised that the successful operation of the limited entry scheme would require close monitoring of levels of catch and effort in the fishery, and a modified return scheme (incorporating a new return form and an improved data handling system) was introduced on 1 January 1979 to improve the quantity and quality of data collected. In addition, the filing of complete and accurate fishing return forms has been made a requirement for obtaining and holding a licence by the Fisheries Licensing Authority.

The 1979 landings data for rock lobsters presented here are the first in a planned series of annual reports. The data are shown in tabular form with a minimum of discussion so that they are readily available to all user groups. The landings have been grouped by area fished, rather than by port of landing, so that changes in landings for each area can be monitored. Fishermen will be able to compare their landings with the average taken by all fishermen from the same area. These data will also provide the basis for fisheries scientists, managers, and the industry to monitor changes in catch, effort, and catch per unit of effort by controlled fishery area to aid them in the management of the fishery.

Results

The rock lobster return form introduced in 1979 is shown facing page 5. To encourage fishermen to provide accurate and complete data, the minimum information consistent with effective monitoring of the fishery is requested. This includes a monthly record of statistical areas fished, number of days fished, number of pots lifted each day, and the weight of rock lobsters and by-catch species landed.

The New Zealand coastline (including the Chatham Islands) is divided into 42 statistical areas (Fig. 2) for the purposes of the rock lobster fishing return scheme. The controlled rock lobster fishery is divided into 10 fishery areas (Fig. 3), each made up of 2 or more of the statistical areas, but the differences are usually slight.

Landings and effort data for *J. edwardsii* for each month during 1979 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 figures include all return forms received and processed to 1 August 1980. The first column in Tables 2 and 3 (Landed weight (kg) for returns with effort data) includes the landed weight figures for only those vessels which supplied data on the number of days fished and the number of pots lifted. 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 and/or the number of pots lifted.

The landed weight figures shown in Tables 2 and 3 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 areas 923-928 and part of area 922, which make up the Southern area (H). In the rest of New Zealand rock lobsters must be landed whole and alive.

Total landings of *J. verreauxi* for all of 1979 are shown by statistical area in Table 4. The main fishing grounds for this species are in areas 901, 902, and 906.

Total landings of *J. edwardsii*, effort, and landings per unit of effort are shown for each month during 1979 for all areas combined in Fig. 4. Landings and effort were highest during October-November and lowest during March-May.

Discussion

It is recognised that the declared rock lobster landings have not been accurate because of under-reporting by fishermen and data handling problems. However, the introduction of a modified return scheme and the requirement for complete and accurate fishing return data from the fishermen by the Fisheries Licensing Authority should improve the statistics collected. The declared landings in 1979 were about 15%-20% higher than those in 1978, which may be due as much to improved statistics as to an actual increase in landings.

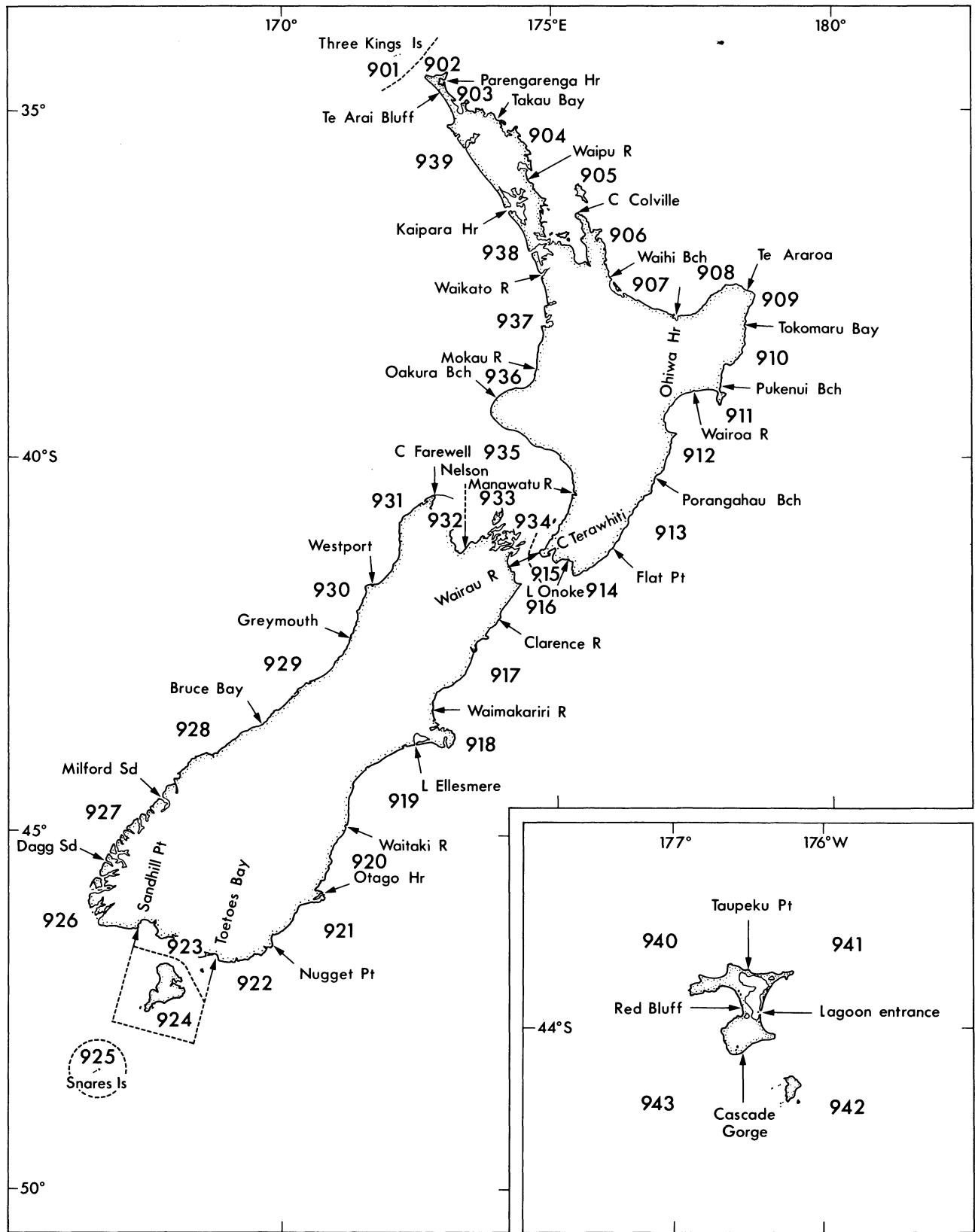


Fig. 2: Map of rock lobster fishing return scheme statistical areas.

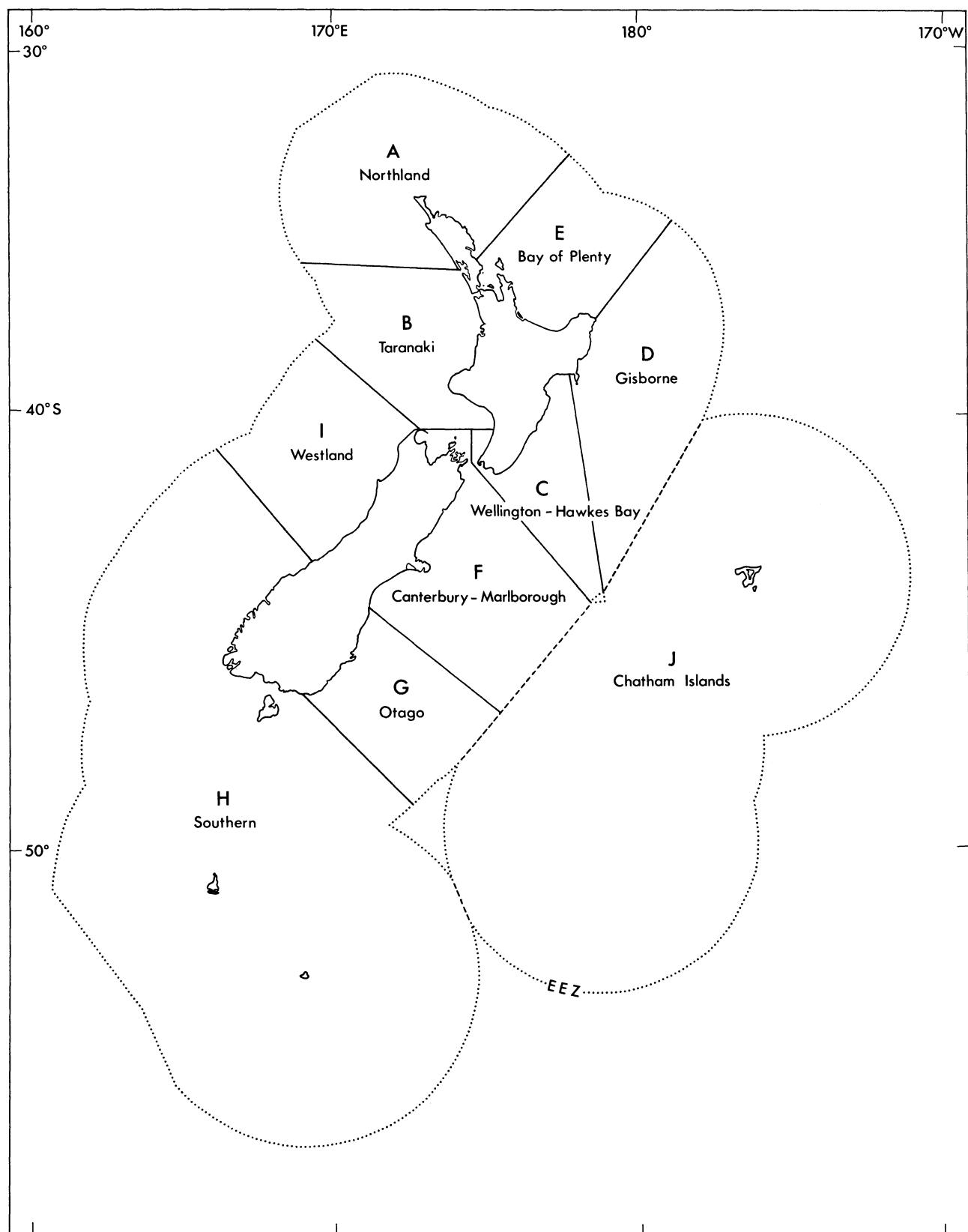


Fig. 3: Map of rock lobster controlled fishery areas.

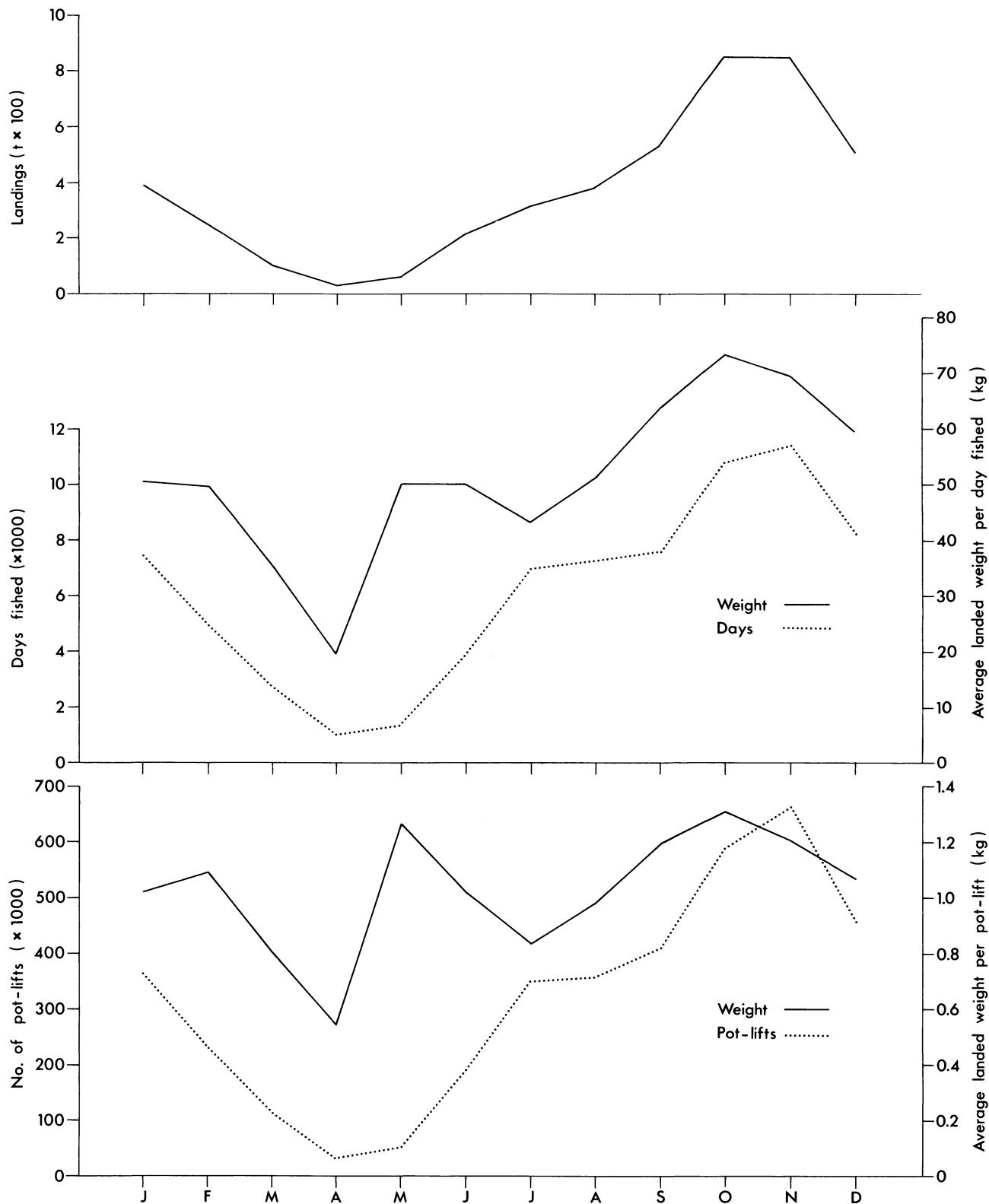


Fig. 4: Landings of *Jasus edwardsii* (whole weight), number of pot-lifts, number of days fished, average landed weight per day fished, and average landed weight per pot-lift for each month during 1979 for all areas combined.

TABLE 1: Landings (whole weight) of *Jasus edwardsii* and *J. verreauxi* combined, and number of registered rock lobster vessels during 1945-79

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	3 539	1 959
1978	3 418	1 786	293	65	3 711	1 851
1979	3 956	1 517	384	57	4 447*	1 574

* Includes 107 t with no area given.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2

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	295.0	6	42.9	180	1.64	1 068.5
Feb	-*	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	2 062.0	22	93.7	836	2.47	2 062.0
Aug	1 741.0	18	96.7	738	2.36	2 694.0
Sep	896.0	24	37.3	1 056	0.85	1 299.0
Oct	2 292.0	40	57.3	1 840	1.25	3 098.0
Nov	2 071.0	40	51.8	1 760	1.18	2 871.5
Dec	684.0	13	52.6	559	1.22	1 117.5
Total	10 041.0	163	61.6	7 009	1.44	14 210.5
Area 902						
Jan	1 615.0	16	100.9	928	1.74	1 615.0
Feb	412.0	2	206.0	70	5.89	412.0
Mar	1 341.0	18	74.5	900	1.49	1 341.0
Apr	206.0	8	25.8	400	0.52	545.5
May	-	-	-	-	-	-
Jun	20.0	10	2.0	40	0.50	20.0
Jul	1 048.0	11	95.3	308	3.40	1 048.0
Aug	2 340.5	57	41.1	2 736	0.86	2 340.5
Sep	2 409.0	48	50.2	2 496	0.97	2 409.0
Oct	2 194.5	19	115.5	1 938	1.13	2 194.5
Nov	3 703.5	30	123.4	2 760	1.34	3 703.5
Dec	3 673.5	33	111.3	3 102	1.18	3 673.5
Total	18 963.0	252	75.2	15 624	1.21	19 302.5
Area 903						
Jan	1 877.0	103	18.2	3 193	0.59	1 877.0
Feb	1 711.2	74	23.1	2 072	0.83	1 711.2
Mar	157.0	11	14.3	176	0.89	157.0
Apr	222.0	14	15.9	350	0.63	222.0
May	46.0	4	11.5	80	0.57	46.0
Jun	60.0	5	12.0	100	0.60	60.0
Jul	316.5	32	9.9	608	0.52	316.5
Aug	2 111.5	79	26.7	3 002	0.70	2 111.5
Sep	2 084.3	80	26.0	3 200	0.65	2 084.3
Oct	2 052.0	85	24.1	3 400	0.60	2 052.0
Nov	2 843.5	128	22.2	4 480	0.63	2 843.5
Dec	5 318.5	157	33.9	6 280	0.85	5 318.5
Total	18 799.5	772	24.4	27 020	0.70	18 799.5

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	1 788.5	121	14.8	3 025	0.59	2 170.5
Feb	952.0	70	13.6	2 100	0.45	952.0
Mar	643.0	41	15.7	1 107	0.58	643.0
Apr	242.0	18	13.4	468	0.52	242.0
May	22.0	2	11.0	10	2.20	22.0
Jun	8.0	3	2.7	30	0.27	8.0
Jul	1 089.0	73	14.9	1 241	0.88	1 089.0
Aug	2 128.8	164	13.0	3 608	0.59	2 128.8
Sep	1 205.8	127	9.5	3 302	0.37	1 205.8
Oct	2 118.0	162	13.1	4 374	0.48	2 118.0
Nov	1 763.2	141	12.5	4 512	0.39	1 763.2
Dec	3 464.6	214	16.2	6 420	0.54	3 464.6
Total	15 424.9	1 136	13.6	30 672	0.51	15 806.9
Area 905						
Jan	1 481.3	121	12.2	3 751	0.39	1 481.3
Feb	840.6	66	12.7	2 046	0.41	840.6
Mar	196.5	47	4.2	658	0.30	196.5
Apr	306.5	30	10.2	510	0.60	306.5
May	9.0	15	0.6	120	0.07	9.0
Jun	174.9	35	5.0	630	0.28	174.9
Jul	2 575.9	180	14.3	4 860	0.53	2 575.9
Aug	3 884.0	206	18.8	5 768	0.67	3 884.0
Sep	5 130.3	244	21.0	8 296	0.62	5 266.3
Oct	6 739.3	272	24.8	9 248	0.73	6 884.3
Nov	4 111.3	199	20.7	5 970	0.69	4 111.3
Dec	3 472.3	156	22.3	4 056	0.86	3 472.3
Total	28 921.9	1 571	18.4	45 559	0.63	29 202.9
Area 906						
Jan	7 006.1	332	21.1	19 920	0.35	7 006.1
Feb	4 671.6	222	21.0	11 988	0.39	4 671.6
Mar	1 397.6	80	17.5	3 360	0.42	1 397.6
Apr	131.5	16	8.2	512	0.26	131.5
May	52.0	7	7.4	140	0.37	52.0
Jun	453.2	58	7.8	1 682	0.27	453.2
Jul	6 486.7	379	17.1	19 708	0.33	6 486.7
Aug	11 182.7	535	20.9	27 820	0.40	11 182.7
Sep	9 696.9	532	18.2	27 132	0.36	9 696.9
Oct	12 429.2	601	20.7	33 656	0.37	12 429.2
Nov	14 580.8	586	24.9	35 746	0.41	14 580.8
Dec	13 065.4	522	25.0	29 232	0.45	13 065.4
Total	81 153.7	3 870	21.0	208 980	0.39	81 153.7

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	5 781.6	192	30.1	11 520	0.50	5 781.6
Feb	3 202.9	100	32.0	5 400	0.59	3 202.9
Mar	668.8	36	18.6	1 872	0.36	668.8
Apr	222.0	14	15.9	574	0.39	222.0
May	68.0	6	11.3	174	0.39	68.0
Jun	213.3	8	26.7	408	0.52	213.3
Jul	3 635.1	101	36.0	6 767	0.54	3 635.1
Aug	7 973.2	185	43.1	11 470	0.70	7 973.2
Sep	12 234.8	216	56.6	15 768	0.78	12 234.8
Oct	10 458.5	226	46.3	15 820	0.66	10 458.5
Nov	11 243.3	247	45.5	16 549	0.68	11 243.3
Dec	11 153.4	246	45.3	15 006	0.74	11 153.4
Total	66 854.9	1 577	42.4	100 928	0.66	66 854.9
Area 908						
Jan	10 276.2	487	21.1	26 785	0.38	10 276.2
Feb	5 669.1	288	19.7	14 688	0.39	5 669.1
Mar	3 886.1	236	16.5	11 092	0.35	3 886.1
Apr	979.2	98	10.0	3 332	0.29	979.2
May	436.6	42	10.4	1 386	0.32	436.6
Jun	118.5	29	4.1	1 015	0.12	118.5
Jul	4 319.7	207	20.9	9 108	0.47	4 319.7
Aug	9 412.2	274	34.4	15 344	0.61	9 412.2
Sep	6 846.2	276	24.8	15 732	0.44	6 846.2
Oct	11 326.1	363	31.2	21 780	0.52	11 326.1
Nov	17 002.6	397	42.8	23 026	0.74	17 002.6
Dec	14 509.1	366	39.6	24 888	0.58	14 509.1
Total	84 781.6	3 063	27.7	168 465	0.50	84 781.6
Area 909						
Jan	9 244.6	164	56.4	10 660	0.87	9 244.6
Feb	4 495.0	95	47.3	5 890	0.76	4 495.0
Mar	1 272.0	57	22.3	1 995	0.64	3 092.0
Apr	1 277.0	35	36.5	1 680	0.76	1 277.0
May	327.5	9	36.4	243	1.35	327.5
Jun	3 392.0	39	87.0	3 003	1.13	3 392.0
Jul	4 824.3	65	74.2	4 355	1.11	4 824.3
Aug	3 884.0	63	61.6	4 284	0.91	3 884.0
Sep	4 494.0	83	54.1	4 731	0.95	4 494.0
Oct	7 408.0	115	64.4	7 015	1.06	7 408.0
Nov	9 445.2	149	63.4	9 536	0.99	9 445.2
Dec	9 515.1	144	66.1	9 216	1.03	9 515.1
Total	59 578.7	1 018	58.5	63 116	0.95	61 398.7

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	19 833.2	482	41.1	30 848	0.64	19 833.2
Feb	12 830.7	296	43.4	18 056	0.71	12 830.7
Mar	9 517.3	204	46.6	13 872	0.69	9 517.3
Apr	4 164.8	146	28.5	8 468	0.49	4 164.8
May	670.0	33	20.3	1 980	0.34	670.0
Jun	17 935.4	312	57.5	21 528	0.83	17 935.4
Jul	18 143.2	399	45.5	22 743	0.80	18 143.2
Aug	5 126.1	147	34.9	8 232	0.62	5 126.1
Sep	6 496.0	131	49.6	7 991	0.81	6 496.0
Oct	33 289.6	370	90.0	26 270	1.27	33 289.6
Nov	74 794.2	870	86.0	63 510	1.18	74 794.2
Dec	42 216.4	630	67.0	42 840	0.99	42 216.4
Total	245 016.9	4 020	61.0	265 320	0.92	245 016.9
Area 911						
Jan	19 436.2	440	44.2	26 840	0.72	19 436.2
Feb	5 429.2	198	27.4	9 504	0.57	5 429.2
Mar	2 796.1	105	26.6	4 515	0.62	2 796.1
Apr	1 317.3	58	22.7	2 030	0.65	1 317.3
May	426.0	15	28.4	765	0.56	426.0
Jun	4 251.0	133	32.0	5 852	0.73	4 251.0
Jul	11 979.5	259	46.2	15 281	0.78	11 979.5
Aug	5 874.8	186	31.6	11 160	0.53	5 874.8
Sep	11 909.4	266	44.8	17 290	0.69	11 909.4
Oct	30 445.4	440	69.2	31 240	0.97	30 445.4
Nov	43 547.5	583	74.7	41 393	1.05	43 547.5
Dec	27 002.5	445	60.7	32 485	0.83	27 002.5
Total	164 414.9	3 128	52.6	197 064	0.83	164 414.9
Area 912						
Jan	6 527.3	195	33.5	8 580	0.76	6 527.3
Feb	2 149.5	87	24.7	3 219	0.67	2 149.5
Mar	1 519.6	42	36.2	2 058	0.74	1 519.6
Apr	522.3	23	22.7	1 081	0.48	522.3
May	215.5	16	13.5	416	0.52	215.5
Jun	11 532.6	220	52.4	10 340	1.12	11 532.6
Jul	6 868.6	202	34.0	8 888	0.77	6 868.6
Aug	3 616.5	130	27.8	6 240	0.58	4 198.5
Sep	7 890.2	243	32.5	12 150	0.65	7 890.2
Oct	13 942.0	310	45.0	15 500	0.90	13 942.0
Nov	20 126.1	366	55.0	19 764	1.02	20 126.1
Dec	15 289.3	286	53.5	15 158	1.01	15 289.3
Total	90 199.5	2 120	42.6	103 880	0.87	90 781.5

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	18 318.0	273	67.1	18 291	1.00	18 318.0
Feb	5 371.8	134	40.1	8 576	0.63	5 523.8
Mar	1 775.5	52	34.1	3 172	0.56	1 775.5
Apr	343.0	14	24.5	994	0.35	343.0
May	631.0	12	52.6	996	0.63	751.0
Jun	18 859.9	234	80.6	16 848	1.12	18 859.9
Jul	25 332.7	304	83.3	22 192	1.14	25 332.7
Aug	4 039.7	102	39.6	6 732	0.60	4 039.7
Sep	8 212.6	157	52.3	8 949	0.92	8 362.6
Oct	14 600.4	246	59.4	15 990	0.91	15 320.4
Nov	29 004.8	412	70.4	29 252	0.99	29 604.8
Dec	19 073.1	290	65.8	19 720	0.97	19 073.1
Total	145 562.5	2 230	65.3	151 640	0.96	147 304.5
Area 914						
Jan	16 370.2	333	49.2	23 310	0.70	16 370.2
Feb	6 164.8	164	37.6	10 332	0.60	6 164.8
Mar	2 434.4	57	42.7	4 617	0.53	2 434.4
Apr	442.3	20	22.1	1 140	0.39	442.3
May	1 284.1	27	47.6	1 431	0.90	1 284.1
Jun	16 426.7	256	64.2	19 200	0.86	16 426.7
Jul	15 148.4	280	54.1	21 560	0.70	15 148.4
Aug	10 522.1	228	46.2	17 100	0.62	10 522.1
Sep	14 231.7	209	68.1	16 929	0.84	14 231.7
Oct	27 854.2	360	77.4	29 160	0.96	27 854.2
Nov	52 125.1	489	106.6	41 565	1.25	52 125.1
Dec	23 813.8	287	83.0	22 960	1.04	23 813.8
Total	186 817.8	2 710	68.9	208 670	0.90	186 817.8
Area 915						
Jan	3 907.0	170	23.0	8 500	0.46	3 907.0
Feb	2 936.0	128	22.9	6 016	0.49	2 936.0
Mar	961.3	52	18.5	2 392	0.40	961.3
Apr	362.7	25	14.5	575	0.63	362.7
May	36.6	1	36.6	30	1.22	36.6
Jun	661.0	19	34.8	1 026	0.64	661.0
Jul	1 517.1	65	23.3	2 990	0.51	1 517.1
Aug	4 214.7	162	26.0	9 882	0.43	4 214.7
Sep	4 682.9	195	24.0	10 725	0.44	4 682.9
Oct	10 670.0	298	41.4	16 254	0.66	10 670.0
Nov	15 500.3	310	50.0	22 940	0.68	15 600.3
Dec	7 258.1	196	37.0	13 524	0.54	7 258.1
Total	52 707.7	1 581	33.3	94 860	0.56	52 807.7

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	16 683.7	214	78.0	19 474	0.86	16 683.7
Feb	6 808.2	127	53.6	8 636	0.79	6 808.2
Mar	1 796.5	63	28.5	2 961	0.61	1 796.5
Apr	129.5	16	8.1	352	0.37	129.5
May	7 294.0	110	66.3	5 830	1.25	7 294.0
Jun	8 359.0	126	66.3	8 820	0.95	8 359.0
Jul	8 267.7	120	68.9	9 960	0.83	8 267.7
Aug	2 045.0	52	39.3	3 380	0.61	2 045.0
Sep	4 246.4	108	39.3	7 344	0.58	4 246.4
Oct	12 151.4	202	60.2	17 372	0.70	12 151.4
Nov	25 393.7	341	74.5	28 303	0.90	25 393.7
Dec	13 657.1	190	71.9	17 860	0.76	13 657.1
Total	106 832.2	1 669	64.0	130 182	0.82	106 832.2
Area 917						
Jan	30 359.0	1 113	27.3	42 294	0.72	30 359.0
Feb	27 674.4	814	34.0	30 118	0.92	27 674.4
Mar	8 569.0	443	19.3	15 062	0.57	8 569.0
Apr	2 613.5	255	10.2	7 140	0.37	2 613.5
May	19 894.1	655	30.4	22 925	0.87	19 894.1
Jun	14 350.4	570	25.2	21 660	0.66	14 350.4
Jul	6 432.6	360	17.9	12 960	0.50	6 432.6
Aug	2 137.5	84	25.4	3 948	0.54	2 137.5
Sep	4 149.0	209	19.8	8 987	0.46	4 149.0
Oct	13 795.0	673	20.5	27 593	0.50	13 795.0
Nov	31 509.3	1 134	27.8	48 762	0.65	31 509.3
Dec	28 785.5	962	29.9	41 366	0.70	28 785.5
Total	190 269.3	7 272	26.2	283 608	0.67	190 269.3
Area 918						
Jan	789.5	51	15.5	1 683	0.47	789.5
Feb	2 916.8	56	52.1	2 352	1.24	2 916.8
Mar	950.0	28	33.9	868	1.09	950.0
Apr	11.0	3	3.7	15	0.73	11.0
May	39.5	4	9.9	100	0.39	39.5
Jun	909.5	77	11.8	1 925	0.47	909.5
Jul	3 124.3	164	19.0	6 068	0.51	3 124.3
Aug	9 525.7	199	47.8	7 960	1.20	9 525.7
Sep	17 289.0	263	65.7	11 309	1.53	17 289.0
Oct	12 096.0	276	43.8	10 764	1.12	12 096.0
Nov	6 888.0	150	45.9	6 450	1.07	6 888.0
Dec	1 446.5	47	30.8	1 880	0.77	1 446.5
Total	55 985.8	1 318	42.5	51 402	1.09	55 985.8

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	42.5	15	2.8	285	0.15	3 276.5
Feb	22.9	9	2.5	162	0.14	22.9
Mar	360.0	17	21.2	510	0.71	360.0
Apr	-*	-	-	-	-	-
May	79.0	7	11.3	56	1.41	79.0
Jun	872.3	40	21.8	1 000	0.87	872.3
Jul	2 208.4	76	29.1	2 584	0.85	2 208.4
Aug	253.0	18	14.1	360	0.70	253.0
Sep	244.5	12	20.4	300	0.81	244.5
Oct	2.0	2	1.0	22	0.09	2.0
Nov	4.0	1	4.0	8	0.50	4.0
Dec	301.0	11	27.4	110	2.74	301.0
Total	4 389.6	208	21.1	5 408	0.81	7 623.6
Area 920						
Jan	5 719.0	170	33.6	6 630	0.86	5 719.0
Feb	3 557.0	122	29.2	5 612	0.63	3 557.0
Mar	1 594.5	41	38.9	1 558	1.02	1 594.5
Apr	200.0	24	8.3	600	0.33	200.0
May	139.5	9	15.5	-	-	139.5
Jun	16 235.1	412	39.4	19 776	0.82	16 475.1
Jul	46 126.6	1 143	40.4	61 722	0.75	47 602.6
Aug	54 046.9	927	58.3	51 912	1.04	56 808.9
Sep	51 364.8	973	52.8	50 596	1.02	53 448.8
Oct	34 108.3	690	49.4	36 570	0.93	37 095.3
Nov	19 699.6	519	38.0	25 431	0.77	19 699.6
Dec	10 259.7	280	36.6	12 600	0.81	10 898.7
Total	243 051.0	5 310	45.8	270 810	0.90	253 239.0
Area 921						
Jan	844.3	34	24.8	782	1.08	844.3
Feb	1 625.6	41	39.6	1 025	1.59	1 625.6
Mar	482.0	25	19.3	600	0.80	482.0
Apr	83.5	13	6.4	78	1.07	83.5
May	38.0	4	9.5	28	1.36	38.0
Jun	6 133.8	144	42.6	5 472	1.12	6 403.8
Jul	26 572.6	584	45.5	27 448	0.97	26 572.6
Aug	51 086.5	495	103.2	25 245	2.02	51 086.5
Sep	37 725.5	445	84.8	22 250	1.70	37 725.5
Oct	16 521.1	317	52.1	16 167	1.02	16 816.6
Nov	6 837.1	157	43.6	7 693	0.89	6 837.1
Dec	2 961.0	92	32.2	3 864	0.77	2 961.0
Total	150 911.0	2 351	64.2	110 497	1.37	151 476.5

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	-*	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	435.0	9	48.3	324	1.34	1 215.0
Aug	6 897.5	64	107.8	3 584	1.92	8 037.5
Sep	5 708.0	67	85.2	3 886	1.47	7 133.0
Oct	3 059.0	41	74.6	2 337	1.31	6 362.0
Nov	3 717.0	45	82.6	2 115	1.77	5 994.0
Dec	852.0	15	56.8	825	1.02	1 455.0
Total	20 668.5	241	85.8	13 014	1.59	30 196.5
Area 923						
Jan	1 558.5	55	28.3	1 320	1.18	1 858.5
Feb	800.0	23	34.8	575	1.39	800.0
Mar	1 656.0	40	41.4	960	1.71	1 656.0
Apr	336.0	26	12.9	468	0.72	336.0
May	1 314.0	21	62.6	693	1.89	1 314.0
Jun	5 705.4	107	53.3	2 782	2.04	5 705.4
Jul	6 092.0	141	43.2	4 512	1.35	8 477.0
Aug	13 167.6	243	54.2	10 206	1.29	13 167.6
Sep	33 284.1	285	116.8	14 250	2.34	33 284.1
Oct	56 172.1	403	139.4	20 956	2.68	58 311.1
Nov	30 132.0	291	103.6	13 968	2.16	32 035.8
Dec	17 536.5	192	91.3	7 872	2.22	21 475.5
Total	167 754.2	1 827	91.8	78 561	2.14	178 421.0
Area 924						
Jan	5 620.8	99	56.8	3 960	1.41	6 370.8
Feb	7 695.9	135	57.0	4 860	1.58	7 695.9
Mar	417.0	26	16.0	728	0.57	417.0
Apr	61.5	8	7.7	128	0.48	61.5
May	426.0	11	38.7	330	1.29	426.0
Jun	2 215.1	66	33.6	1 914	1.16	2 215.1
Jul	7 562.4	218	34.7	9 156	0.84	9 011.7
Aug	38 190.0	611	62.5	31 161	1.23	43 071.9
Sep	109 493.4	949	115.4	51 246	2.14	129 865.2
Oct	108 707.2	985	110.4	55 160	1.97	139 622.8
Nov	59 721.8	702	85.1	38 610	1.55	85 107.6
Dec	38 484.1	416	92.5	24 960	1.54	39 367.6
Total	378 595.2	4 226	89.6	223 978	1.69	463 233.1

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	18.0	1	18.0	14	1.29	18.0
Feb	-*	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	1 194.0	11	108.6	594	2.01	1 194.0
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	579.0	5	115.8	205	2.82	579.0
Total	1 791.0	17	105.4	816	2.19	1 791.0
Area 926						
Jan	13 735.6	240	57.2	11 760	1.17	14 878.6
Feb	14 713.5	178	82.7	9 790	1.50	14 713.5
Mar	5 708.1	116	49.2	5 452	1.05	5 708.1
Apr	438.0	15	29.2	570	0.78	438.0
May	1 956.0	20	97.8	880	2.22	1 956.0
Jun	10 340.1	209	49.5	9 405	1.10	16 694.1
Jul	13 496.5	300	45.0	17 700	0.76	14 249.5
Aug	29 754.3	371	80.2	21 147	1.41	31 638.3
Sep	59 324.4	487	121.2	30 194	1.96	66 085.2
Oct	99 007.2	612	161.8	41 616	2.37	113 200.2
Nov	72 640.9	595	122.1	37 485	1.94	79 416.7
Dec	29 650.4	302	98.2	19 026	1.56	32 404.4
Total	350 765.0	3 445	101.8	206 700	1.70	391 382.6
Area 927						
Jan	36 265.7	398	91.1	17 910	2.02	43 672.7
Feb	17 688.9	211	83.8	13 504	1.32	20 827.9
Mar	9 222.3	153	60.3	9 639	0.96	9 897.3
Apr	976.5	27	36.2	1 107	0.87	976.5
May	1 449.0	55	26.4	1 485	0.99	1 449.0
Jun	9 955.8	168	59.3	8 232	1.20	10 960.8
Jul	17 192.7	409	42.0	22 086	0.78	25 523.7
Aug	21 678.6	447	48.5	25 032	0.87	29 234.4
Sep	15 868.3	262	60.6	13 624	1.16	25 597.9
Oct	75 160.5	749	100.4	45 689	1.65	80 995.5
Nov	57 914.1	562	103.0	32 596	1.77	70 425.9
Dec	21 598.8	360	60.0	18 360	1.17	30 700.7
Total	284 971.2	3 801	75.0	209 055	1.36	350 262.3

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	37 299.8	387	96.4	17 415	2.14	40 251.8
Feb	36 732.1	387	94.9	17 802	2.06	37 182.1
Mar	14 623.0	202	72.4	8 484	1.72	14 623.0
Apr	2 814.5	41	68.6	1 476	1.91	2 814.5
May	647.5	36	18.0	756	0.86	647.5
Jun	7 790.9	185	42.1	6 660	1.17	8 132.9
Jul	12 473.0	279	44.7	11 997	1.04	14 258.0
Aug	13 922.2	274	51.1	14 796	0.95	17 426.2
Sep	6 044.7	99	61.1	5 148	1.17	6 599.7
Oct	61 650.0	650	94.8	37 050	1.66	73 552.0
Nov	57 979.3	594	97.6	30 888	1.88	69 775.6
Dec	30 136.6	375	80.4	17 625	1.71	31 475.6
Total	282 183.6	3 509	80.4	168 432	1.68	315 808.9
Area 929						
Jan	-*	-	-	-	-	-
Feb	75.0	2	37.5	20	3.75	75.0
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	195.2	7	27.9	371	0.53	195.2
Aug	249.0	14	17.8	1 064	0.23	249.0
Sep	828.0	14	59.1	994	0.83	828.0
Oct	4 496.0	51	88.2	3 519	1.28	4 496.0
Nov	3 433.5	21	163.5	2 205	1.56	3 433.5
Dec	1 312.5	26	50.5	1 248	1.05	1 312.5
Total	10 589.2	135	78.4	9 450	1.12	10 589.2
Area 930						
Jan	2 024.5	65	31.2	1 950	1.04	2 024.5
Feb	1 386.0	51	27.2	1 530	0.91	1 386.0
Mar	1 195.0	39	30.6	1 170	1.02	1 195.0
Apr	231.0	9	25.7	252	0.92	231.0
May	-	-	-	-	-	-
Jun	7.0	1	7.0	30	0.23	7.0
Jul	122.1	13	9.4	312	0.39	122.1
Aug	416.0	23	18.1	736	0.57	416.0
Sep	319.0	15	21.3	285	1.12	319.0
Oct	2 790.0	57	49.0	2 223	1.26	2 790.0
Nov	1 650.1	73	22.6	2 847	0.58	1 650.1
Dec	3 317.1	80	41.5	2 000	1.66	3 317.1
Total	13 457.8	426	31.6	13 206	1.02	13 457.8

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	2 233.8	18	124.1	702	3.18	3 268.2
Feb	3 793.6	25	151.7	1 025	3.70	4 699.6
Mar	9 118.5	89	102.5	3 293	2.77	9 118.5
Apr	-*	-	-	-	-	1 921.8
May	86.0	5	17.2	190	0.45	86.0
Jun	498.0	7	71.1	210	2.37	498.0
Jul	2 281.0	32	71.3	1 312	1.74	2 281.0
Aug	-	-	-	-	-	-
Sep	162.0	3	54.0	87	1.86	162.0
Oct	1 276.0	26	49.1	676	1.89	1 276.0
Nov	9 795.3	58	168.9	2 958	3.31	9 795.3
Dec	1 988.6	29	68.6	1 450	1.37	2 468.6
Total	31 232.8	292	107.0	11 972	2.61	35 575.0
Area 932						
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	154.8	3	51.6	120	1.29	154.8
May	82.0	8	10.2	320	0.26	82.0
Jun	462.4	23	20.1	1 242	0.37	462.4
Jul	1 174.4	25	47.0	1 500	0.78	1 174.4
Aug	875.4	24	36.5	1 440	0.61	875.4
Sep	468.2	19	24.6	1 102	0.42	468.2
Oct	347.9	17	20.5	1 309	0.27	347.9
Nov	58.5	1	58.5	80	0.73	58.5
Dec	159.0	5	31.8	300	0.53	159.0
Total	3 782.6	125	30.3	7 375	0.51	3 782.6
Area 933						
Jan	1 691.4	49	34.5	2 254	0.75	1 807.4
Feb	2 134.0	47	45.4	1 974	1.08	2 134.0
Mar	1 066.5	45	23.7	1 620	0.66	1 066.5
Apr	9.5	4	2.4	88	0.11	9.5
May	1.0	2	0.5	40	0.02	1.0
Jun	396.0	37	10.7	1 221	0.32	396.0
Jul	3 701.5	101	36.6	4 646	0.80	3 701.5
Aug	3 650.2	106	34.4	5 406	0.68	3 650.2
Sep	3 918.8	146	26.8	7 446	0.53	3 918.8
Oct	8 588.8	199	43.2	9 154	0.94	8 588.8
Nov	6 596.0	163	40.5	8 639	0.76	6 596.0
Dec	9 205.7	180	51.1	12 240	0.75	9 205.7
Total	40 959.4	1 079	38.0	55 029	0.74	41 075.4

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	-*	-	-	-	-	-
Feb	10.5	2	5.2	48	0.22	10.5
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	295.0	8	36.9	-	-	295.0
Sep	618.0	12	51.5	420	1.47	618.0
Oct	469.0	9	52.1	-	-	469.0
Nov	1 264.0	20	63.2	-	-	1 264.0
Dec	752.0	13	57.8	-	-	752.0
Total	3 408.5	64	53.3	-	-	3 408.5
Area 935						
Jan	2 357.0	70	33.7	3 150	0.75	2 357.0
Feb	2 049.5	45	45.5	2 700	0.76	2 049.5
Mar	1 751.0	55	31.8	2 860	0.61	1 751.0
Apr	243.0	14	17.4	588	0.41	243.0
May	-*	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	332.0	7	47.4	280	1.19	332.0
Aug	1 137.0	21	54.1	1 260	0.90	1 137.0
Sep	358.0	15	23.9	765	0.47	358.0
Oct	2 143.0	49	43.7	2 891	0.74	2 143.0
Nov	2 842.0	69	41.2	4 899	0.58	2 842.0
Dec	1 086.0	35	31.0	2 030	0.53	1 086.0
Total	14 298.5	380	37.6	21 280	0.67	14 298.5
Area 936						
Jan	3 693.5	175	21.1	5 075	0.73	3 693.5
Feb	2 217.6	124	17.9	3 472	0.64	2 217.6
Mar	2 594.8	133	19.5	4 123	0.63	2 594.8
Apr	533.0	35	15.2	1 085	0.49	533.0
May	-	-	-	-	-	-
Jun	21.5	2	10.8	16	1.34	21.5
Jul	90.5	10	9.0	210	0.43	90.5
Aug	593.5	19	31.2	589	1.01	593.5
Sep	150.5	5	30.1	130	1.16	150.5
Oct	1 786.0	79	22.6	2 133	0.84	1 786.0
Nov	1 537.5	91	16.9	2 821	0.55	1 537.5
Dec	1 000.9	72	13.9	2 088	0.48	1 000.9
Total	14 219.3	745	19.1	21 605	0.66	14 219.3

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	2 642.0	66	40.0	2 046	1.29	2 642.0
Feb	2 258.7	57	39.6	1 710	1.32	2 258.7
Mar	1 086.0	43	25.3	1 505	0.72	1 086.0
Apr	85.0	12	7.1	108	0.79	85.0
May	-*	-	-	-	-	-
Jun	15.0	1	15.0	12	1.25	15.0
Jul	79.0	12	6.6	84	0.94	79.0
Aug	150.0	14	10.7	98	1.53	150.0
Sep	-	-	-	-	-	-
Oct	826.0	26	31.8	728	1.13	826.0
Nov	3 888.5	85	45.8	3 400	1.14	3 888.5
Dec	1 174.0	39	30.1	1 170	1.00	1 174.0
Total	12 204.2	355	34.4	11 005	1.12	12 204.2
Area 938						
Nil returns entire year						
Area 939						
Jan	7 682.5	185	·41.5	13 320	0.58	7 682.5
Feb	3 059.5	80	38.2	5 440	0.56	3 059.5
Mar	553.5	33	16.8	1 584	0.35	553.5
Apr	-*	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	489.5	27	18.1	1 809	0.27	489.5
Aug	1 517.5	71	21.4	6 319	0.24	1 517.5
Sep	1 378.5	60	23.0	5 100	0.27	1 378.5
Oct	2 150.5	73	29.5	6 643	0.32	2 150.5
Nov	7 823.0	182	43.0	14 924	0.52	7 823.0
Dec	4 622.0	92	50.2	7 728	0.60	4 622.0
Total	29 276.5	803	36.5	62 634	0.47	29 276.5

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	15 187.5	77	197.2	5 313	2.86	15 187.5
Feb	9 267.0	66	140.4	3 960	2.34	9 267.0
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	3 358.5	28	120.0	1 736	1.93	3 358.5
Jun	7 136.5	56	127.4	3 752	1.90	7 136.5
Jul	4 787.5	45	106.4	3 375	1.42	4 787.5
Aug	1 709.0	35	48.8	2 170	0.79	1 709.0
Sep	1 056.0	28	37.7	1 736	0.61	1 056.0
Oct	10 183.0	58	175.6	3 944	2.58	10 183.0
Nov	12 089.5	86	140.6	6 192	1.95	12 089.5
Dec	14 785.0	96	154.0	7 392	2.00	14 785.0
Total	79 559.5	575	138.4	39 675	2.01	79 559.5
Area 941						
Jan	18 773.5	77	243.8	4 158	4.52	18 773.5
Feb	4 252.0	43	98.9	1 806	2.35	4 252.0
Mar	-*	-	-	-	-	-
Apr	-	-	-	-	-	-
May	6 962.0	105	66.3	5 565	1.25	6 962.0
Jun	9 486.5	165	57.5	9 240	1.03	9 486.5
Jul	12 625.5	137	92.2	8 220	1.54	12 625.5
Aug	9 762.0	132	74.0	7 920	1.23	9 762.0
Sep	7 512.9	143	52.5	9 438	0.80	7 512.9
Oct	13 861.0	158	87.7	10 586	1.31	13 861.0
Nov	6 716.0	90	74.6	5 850	1.15	6 716.0
Dec	12 465.0	76	164.0	5 168	2.14	12 465.0
Total	102 416.4	1 126	91.0	67 560	1.51	102 416.4
Area 942						
Jan	18 097.5	80	226.2	4 720	3.83	18 097.5
Feb	19 060.1	112	170.2	6 048	3.15	19 060.1
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	12 694.0	48	264.5	2 976	4.27	12 694.0
Jun	9 865.5	56	176.2	2 912	3.39	9 865.5
Jul	4 924.0	32	153.9	2 336	2.11	4 924.0
Aug	805.5	13	62.0	975	0.83	1 113.5
Sep	4 951.0	46	107.6	2 760	1.79	4 951.0
Oct	17 613.0	72	244.6	4 464	3.95	17 613.0
Nov	29 634.5	130	228.0	7 930	3.74	29 634.5
Dec	22 038.0	91	242.2	5 187	4.25	22 038.0
Total	139 683.1	680	205.4	40 120	3.48	139 991.1

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1979 by statistical area; area boundaries shown in Fig. 2 (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	9 124.8	62	147.2	3 100	2.94	9 124.8
Feb	10 874.5	67	162.3	3 953	2.75	10 874.5
Mar	-*	-	-	-	-	-
Apr	-	-	-	-	-	-
May	5 750.5	32	179.7	1 440	3.99	5 750.5
Jun	5 823.5	51	114.2	2 040	2.85	5 823.5
Jul	2 889.5	26	111.1	1 092	2.65	2 889.5
Aug	1 542.0	19	81.2	817	1.89	1 542.0
Sep	673.5	13	51.8	455	1.48	673.5
Oct	6 758.0	16	102.4	2 574	2.63	6 758.0
Nov	8 359.0	61	137.0	2 806	2.98	8 359.0
Dec	10 281.0	46	223.5	2 208	4.66	10 281.0
Total	62 076.3	443	140.1	20 378	3.03	62 076.3
Area not given						
Jan	8 296.9	154	53.9	6 468	1.28	10 136.9
Feb	5 496.8	138	39.8	5 658	0.97	6 927.8
Mar	1 879.0	65	28.9	2 210	0.85	4 462.0
Apr	586.9	24	24.4	936	0.63	586.9
May	2 395.7	50	47.9	2 050	1.17	3 362.7
Jun	5 197.8	85	61.2	3 485	1.49	8 934.3
Jul	1 364.0	26	52.5	910	1.50	1 964.0
Aug	5 663.7	94	60.2	4 042	1.40	8 721.0
Sep	16 691.0	127	131.4	8 255	2.02	21 778.8
Oct	9 519.0	73	130.4	3 358	2.83	17 149.5
Nov	8 510.0	133	64.0	5 895	1.42	15 424.0
Dec	3 574.5	68	52.6	3 672	0.97	7 317.6
Total	69 175.3	1 037	66.7	46 665	1.48	106 765.5
New Zealand totals						
Jan	364 498.5	7 290	50.0	357 210	1.02	384 430.4
Feb	243 006.5	4 886	49.7	224 756	1.08	249 084.5
Mar	93 188.9	2 694	34.6	115 842	0.80	98 266.9
Apr	20 245.8	1 048	19.3	36 680	0.55	22 507.1
May	68 830.6	1 399	49.2	54 561	1.26	69 917.6
Jun	195 883.6	3 949	49.6	189 552	1.03	207 831.1
Jul	290 386.2	6 882	42.2	350 982	0.83	307 945.5
Aug	350 386.4	6 925	50.6	360 100	0.97	377 014.4
Sep	482 247.6	7 636	63.2	404 708	1.19	528 950.6
Oct	763 056.2	10 480	72.8	586 880	1.30	843 927.8
Nov	778 496.6	11 301	68.9	655 458	1.19	847 561.6
Dec	483 518.6	8 180	59.1	458 080	1.06	506 434.6
Total	4 133 745.5	72 670	56.9	3 869 224	1.07	4 443 862.2

* No data supplied.

TABLE 3: Landings (whole weight) of *Jasus edwardsii* during 1979 by controlled fishery area; area boundaries shown in Fig. 3

Controlled fishery area (statistical areas)	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)	92 504.9	3 126	29.6	142 959	0.65	97 395.9
B, Taranaki (935-38)	40 722.0	1 480	27.5	53 890	0.76	40 722.0
C, Wellington-Hawkes Bay (912-15, 934)	478 696.0	8 705	55.0	559 050*	0.85*	481 120.0
D, Gisborne (909-11)	469 010.5	8 166	57.4	525 500	0.89	470 830.5
E, Bay of Plenty (905-08)	261 712.1	10 081	26.0	523 932	0.50	261 993.1
F, Canterbury-Marlborough (916-19, 932-33)	402 218.9	11 671	34.5	533 004	0.75	405 568.9
G, Otago (920-21)	393 962.0	7 661	51.4	381 307	1.03	404 715.5
H, Southern (922-28)	1 486 728.7	17 066	87.1	900 556	1.65	1 731 085.4
I, Westland (929-31)	55 279.8	853	64.8	34 628	1.60	59 622.0
J, Chatham Islands (940-43)	383 735.3	2 824	135.9	167 733	2.29	384 043.3
North & South Is. combined (901-39)	3 680 834.9	68 809	53.5	3 654 826	1.01	3 953 053.4
Not given	69 175.3	1 037	66.7	46 665	1.48	106 765.5
N.Z. totals	4 133 745.5	72 670	56.9	3 869 224	1.07	4 443 862.2

* Excludes data for area 934.

TABLE 4: Landings (whole weight) of *Jasus verreauxi* during 1979 by statistical area (only areas which recorded landings are shown); area boundaries shown in Fig. 2

Area	Total landed weight (kg)	Area	Total landed weight (kg)
901	22.0	910	24.5
902	335.5	911	8.5
903	1 539.0	920	13.0
904	614.0	928	1.0
905	144.5	936	13.0
906	35.6	937	1.0
907	51.6	939	63.0
908	34.0	Not given	6.0
909	1.1	N.Z. total	2 905.3