

The 1982 New Zealand rock lobster landings

by
B.M. Sanders

Fisheries Research Division
Occasional Publication: Data Series No. 13

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**Published by the New Zealand Ministry
of Agriculture and Fisheries
1983**

ISSN 0111-705X

Contents

	<i>Page</i>
Fig. 1 - Statistical areas	4
Introduction	5
Results	5
Fig. 2 - Controlled fishery areas	6
Fig. 3 - Landings of <i>Jasus edwardsii</i> and <i>J. verreauxi</i> , North and South Islands and Chatham Islands, 1945-82	7
Discussion	9
Fig. 4 - Landings statistics for <i>Jasus edwardsii</i> for each month during 1982	10
Fig. 5 - Length of coastline in each region of landing	11
Fig. 6 - Distribution of landings of <i>Jasus edwardsii</i> per vessel for each controlled fishery area, 1982	12
Table 1 - Landings of <i>Jasus edwardsii</i> and <i>J. verreauxi</i> and number of vessels, 1945-82 ...	13
Table 2 - Landings and effort data by statistical area for <i>Jasus edwardsii</i> , 1982	14
Table 3 - Landings of <i>Jasus edwardsii</i> by controlled fishery area, 1982	29
Table 4 - Landings of <i>Jasus verreauxi</i> by statistical area, 1982	30
Table 5 - Landings of <i>Jasus edwardsii</i> and <i>J. verreauxi</i> by region of landing, 1982	31

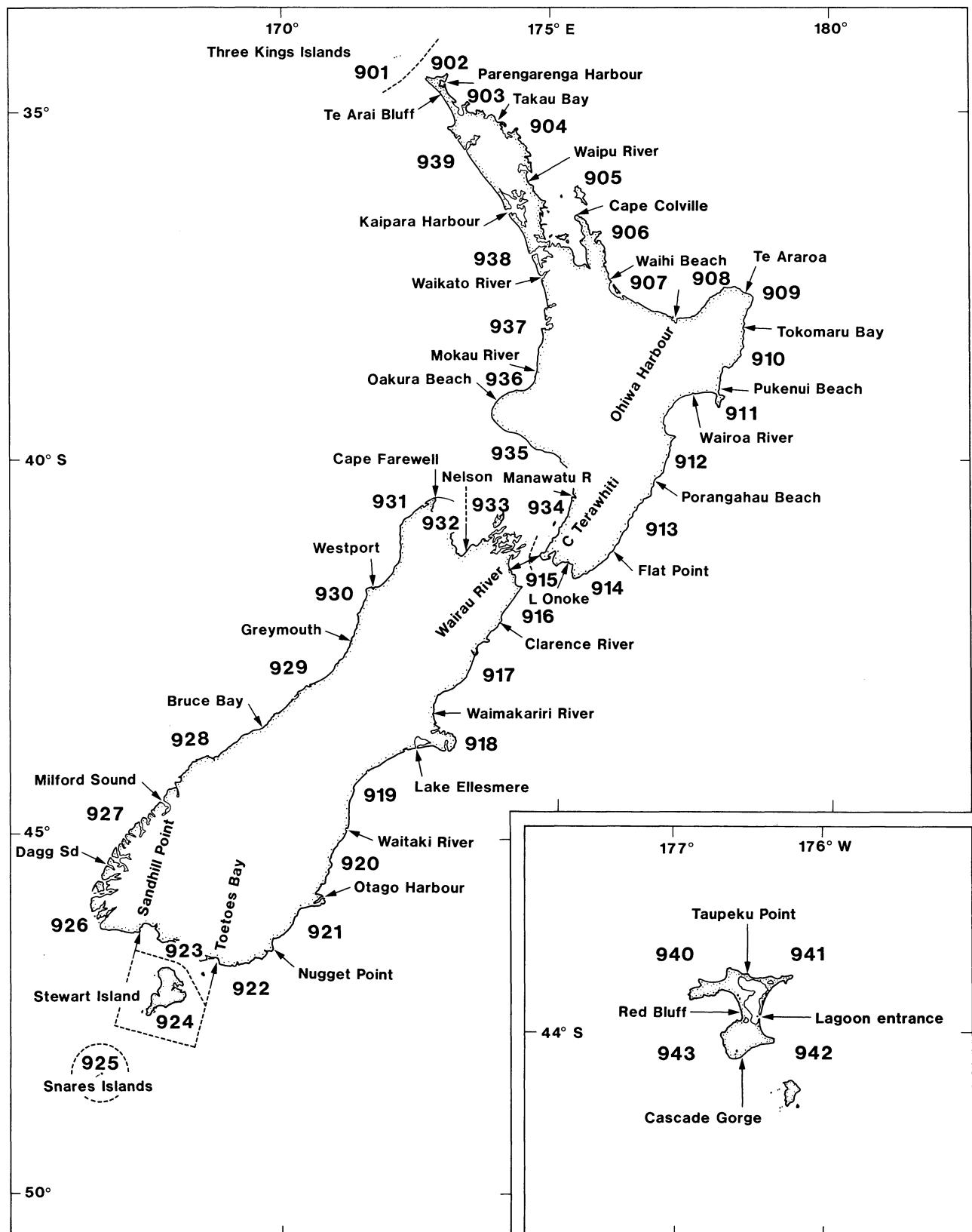


Fig. 1: Rock lobster fishing return scheme statistical areas.

Introduction

The fishery for New Zealand's 2 rock lobster species is the single most important domestic fishery, with export earnings of \$48 million f.o.b. in 1982. 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 since 1979 was used again in 1982. To encourage fishermen to provide accurate and complete data, the minimum information consistent with effective monitoring of the fishery was

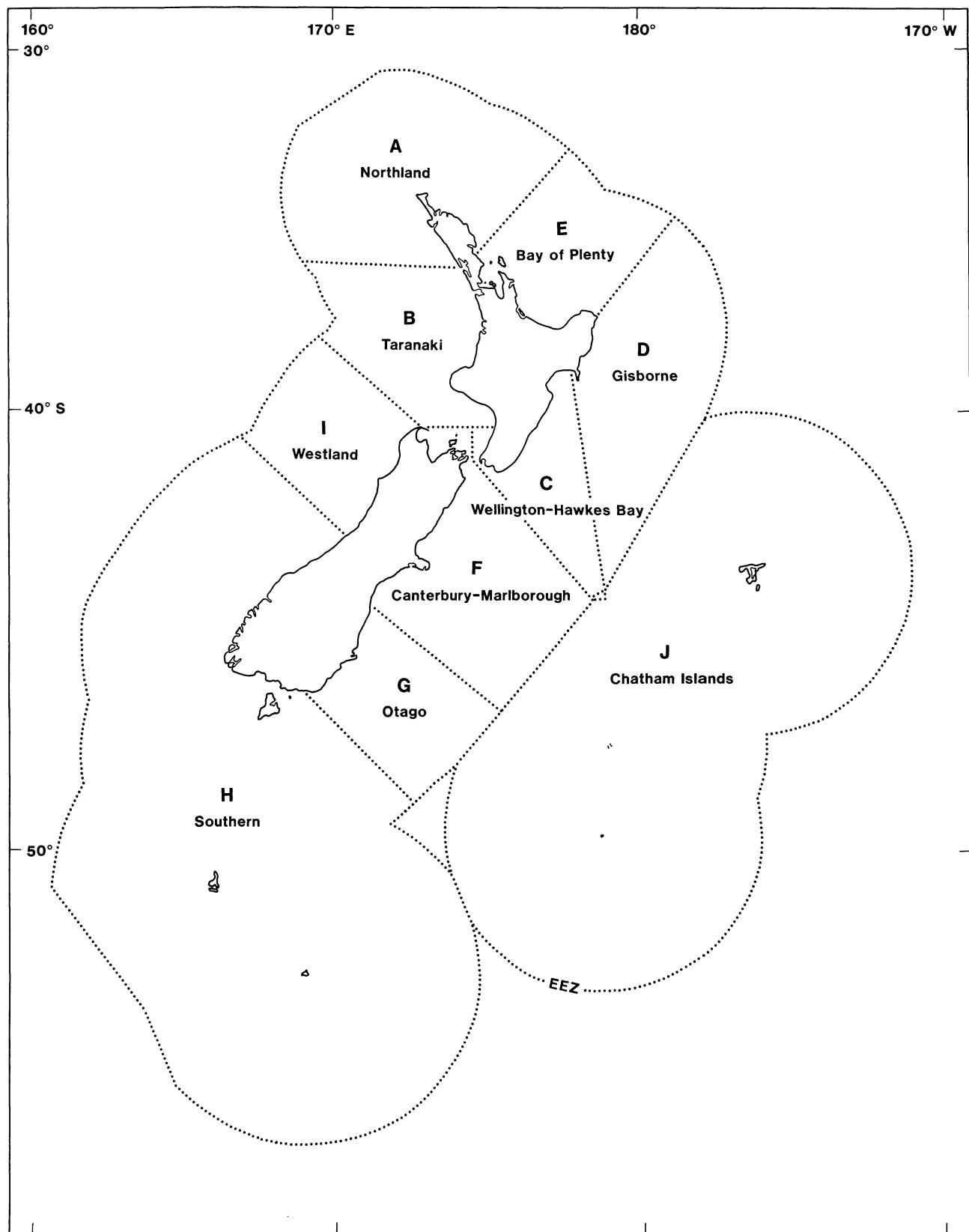


Fig. 2: Rock lobster controlled fishery areas.

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 1982 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. Errors have been found in the data presented for landings from 1955 and 1956 in Fisheries Research Division Occasional Publication: Data Series No. 1, 9, and 12; Table 1 and Fig. 3 have been amended accordingly in this publication. Data for 1975-78 are from unpublished figures from port of landing totals recorded by the Ministry of Agriculture and Fisheries.

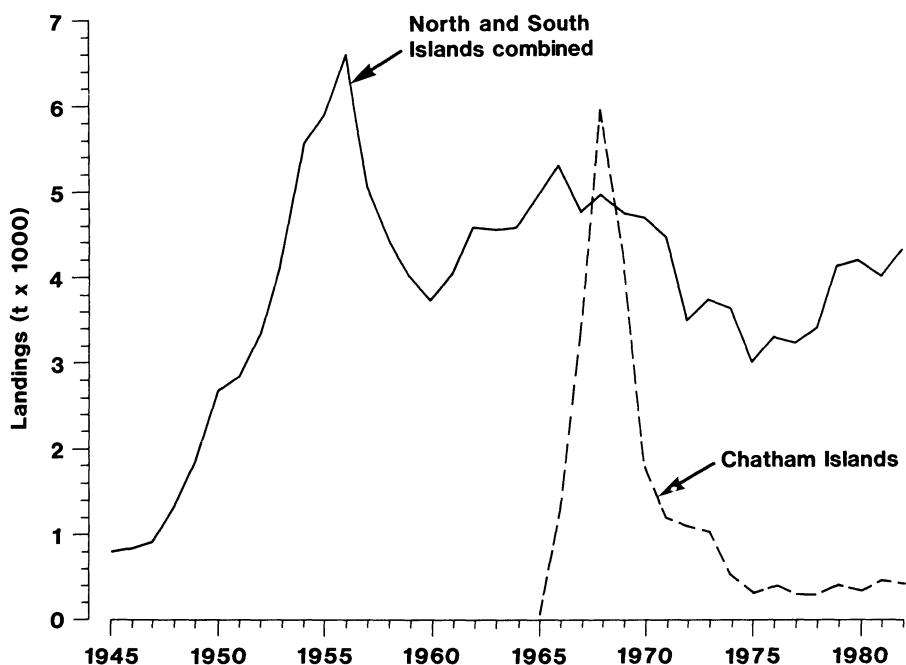


Fig. 3: Landings of *Jasus edwardsii* and *J. verreauxi* combined for North and South Islands combined and Chatham Islands during 1945-82.

Data for 1979-82 are from fishing return forms submitted by rock lobster fishermen. The landings for 1982 are those declared on fishing return forms received and processed by 1 July 1983.

Landings and effort data for *J. edwardsii* for each month during 1982 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. In addition, pot types and sizes are not standard around New Zealand and this may affect the average catch per pot-lift. 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 1982 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 1982 in Fig. 6.

Discussion

Total rock lobster landings for New Zealand remained fairly constant during 1979-81. The total landings for 1982 showed an increase of about 5% over the 1979-81 landings. Since the licensing of the rock lobster fishery in 1980-81, there has been an improvement in the statistics supplied by fishermen and this may be reflected in the 1982 figures. However, because returns are still being submitted without all the requested effort information there are still gaps in the data available.

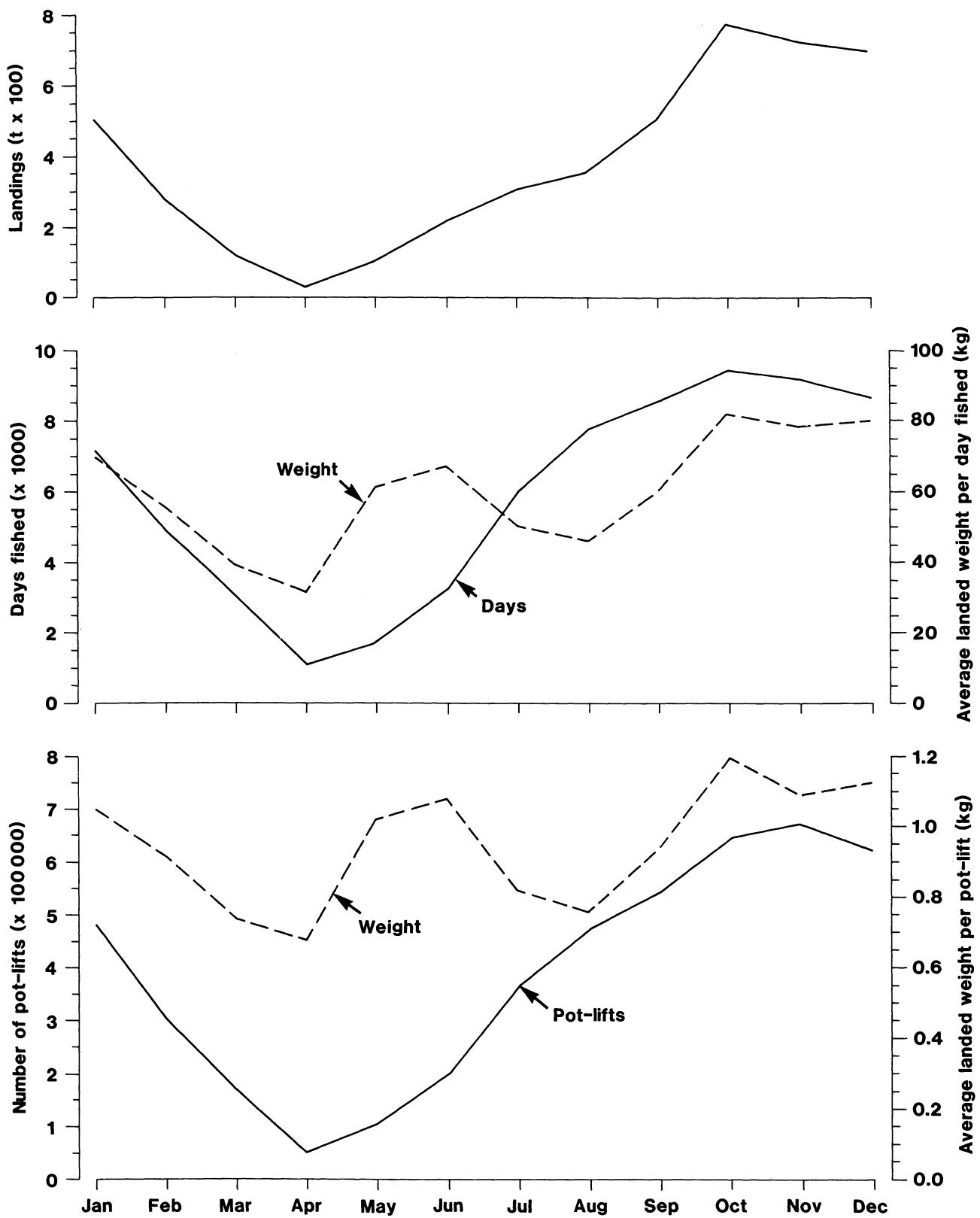


Fig. 4: Landings of *Jasus edwardsii* (whole weight), number of days fished, number of pot-lifts, average landed weight per day fished, and average landed weight per pot-lift for each month during 1982 for all areas combined.

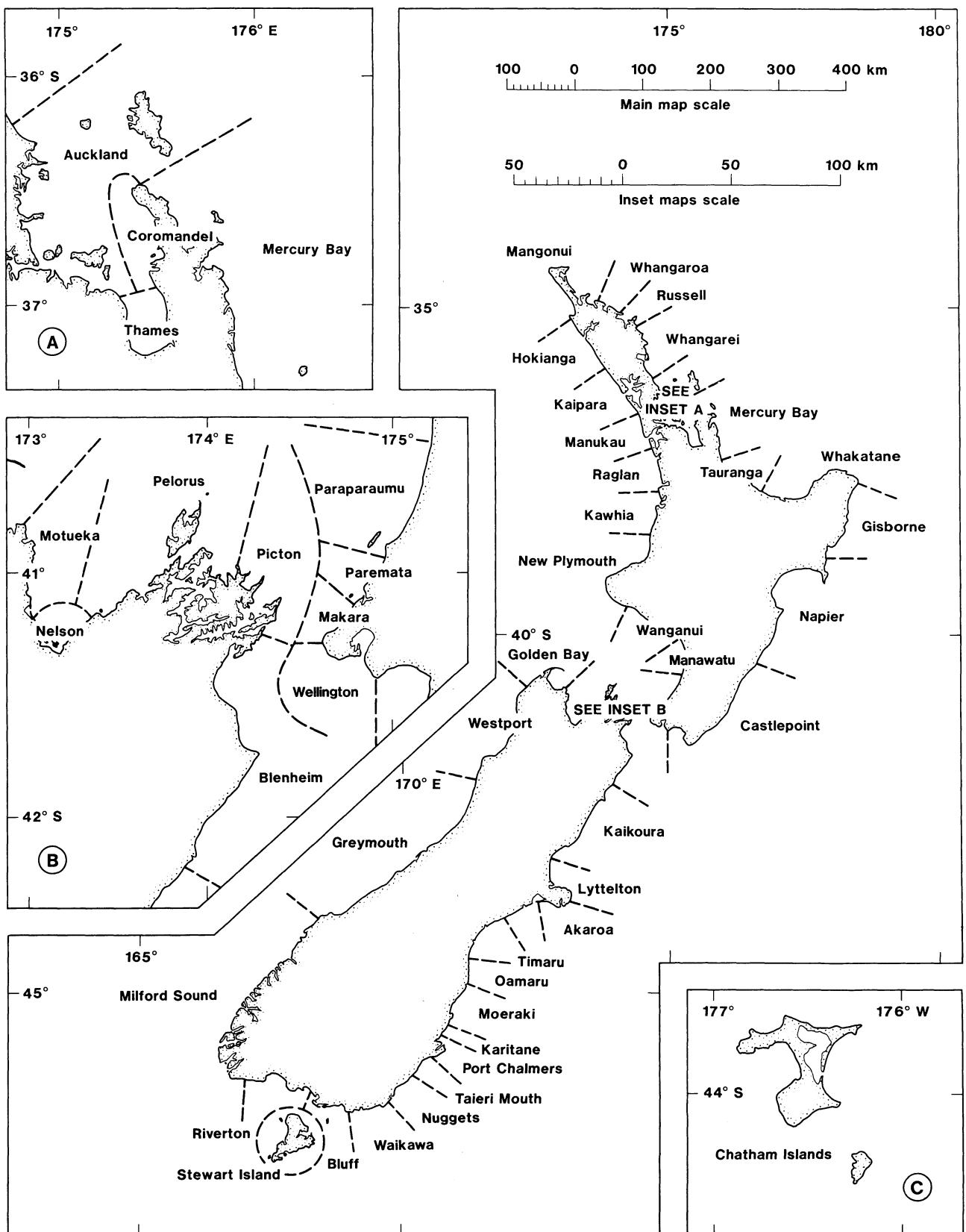


Fig. 5: Length of coastline included in each of the regions of landing shown in Table 5.

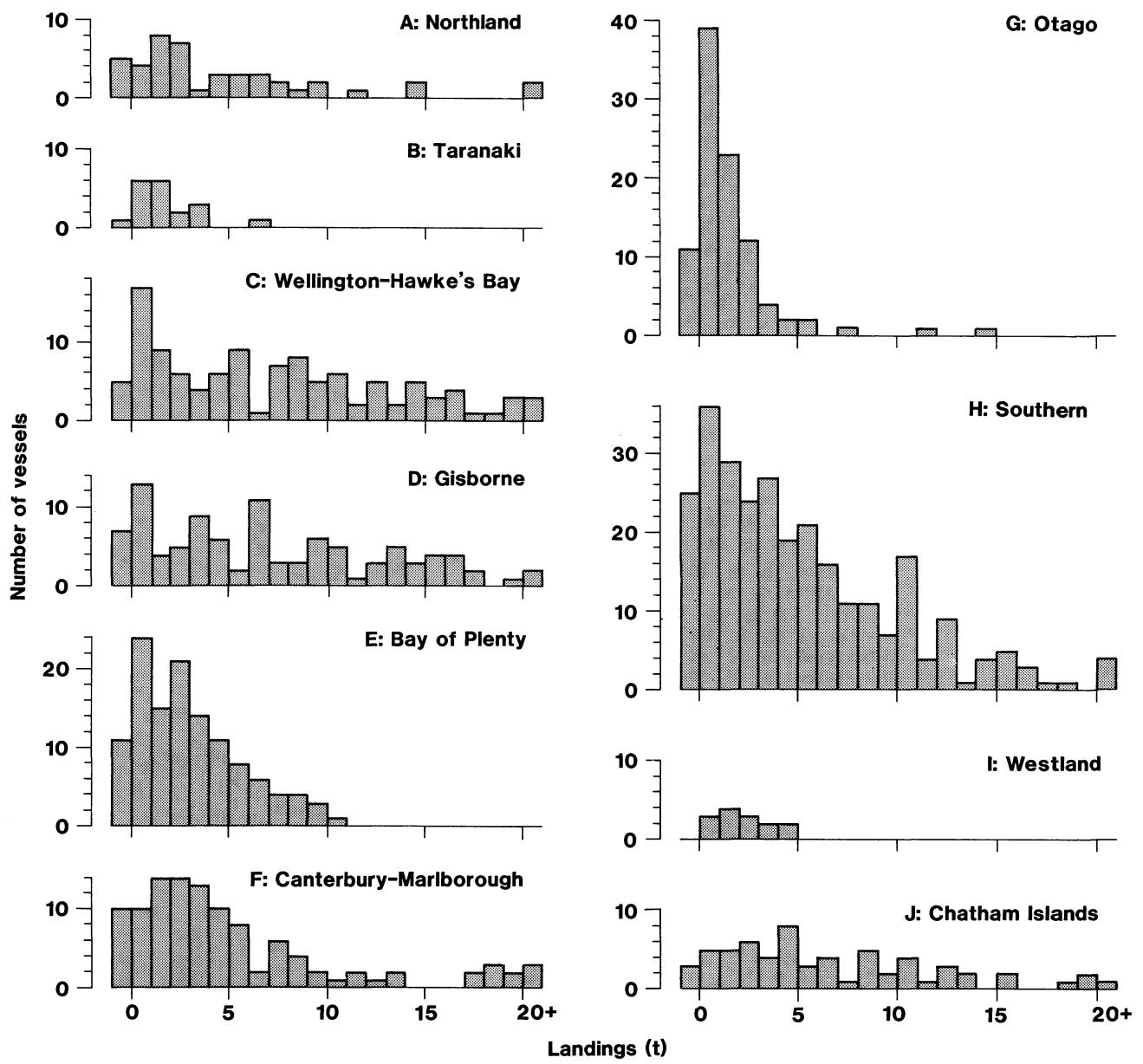


TABLE 1: Landings (whole weight) of *Jasus edwardsii* and *J. verreauxi* combined, and number of registered rock lobster vessels during 1945-82

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
1982	4 361	815	415	64	4 776	879

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	1 150	7	164.3	490	2.35	1 150
Feb	-*	-	-	-	-	-
Mar	439	9	48.7	360	1.22	439
Apr	196	7	28.0	-	-	196
May	15	1	15.0	40	0.38	15
Jun	226	4	56.6	120	1.89	226
Jul	-	-	-	-	-	-
Aug	1 877	9	208.6	396	4.74	1 877
Sep	4 004	24	166.8	1 296	3.09	4 004
Oct	4 423	20	221.2	1 260	3.51	4 423
Nov	9 601	35	274.3	2 590	3.71	9 601
Dec	9 926	46	215.8	3 818	2.60	9 926
Total	31 856	162	196.6	10 370	3.07	31 856
Area 902						
Jan	19 085	107	178.4	6 313	3.02	19 085
Feb	10 279	79	130.1	4 137	2.45	10 279
Mar	5 977	69	86.6	3 174	1.88	5 977
Apr	239	6	39.8	264	0.91	239
May	471	4	117.8	176	2.68	471
Jun	-	-	-	-	-	-
Jul	347	6	57.8	156	2.22	347
Aug	2 954	44	67.1	2 112	1.40	2 954
Sep	6 857	55	124.7	3 245	2.11	6 857
Oct	3 715	30	123.8	1 500	2.48	3 715
Nov	6 651	57	116.7	3 135	2.12	6 651
Dec	13 671	100	136.7	5 600	2.44	13 671
Total	70 245	557	126.1	29 862	2.35	70 245
Area 903						
Jan	7 972	113	70.5	6 441	1.24	7 972
Feb	2 622	67	39.1	3 082	0.85	2 622
Mar	279	11	25.3	616	0.45	279
Apr	24	2	12.0	48	0.50	24
May	-	-	-	-	-	-
Jun	120	17	7.1	323	0.37	120
Jul	1 840	77	23.9	3 234	0.57	1 840
Aug	2 507	92	27.2	4 508	0.56	2 507
Sep	3 064	92	33.3	5 428	0.56	3 064
Oct	3 659	91	40.2	6 916	0.53	3 659
Nov	4 671	96	48.7	7 680	0.61	4 671
Dec	5 770	84	68.7	6 720	0.86	5 770
Total	32 525	742	43.8	44 996	0.72	32 525

* No data supplied.

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	4 862	136	35.7	6 528	0.74	4 862
Feb	1 385	78	17.8	2 730	0.51	1 385
Mar	218	32	6.8	800	0.27	218
Apr	-	-	-	-	-	-
May	403	15	26.8	150	2.68	403
Jun	540	42	12.8	1 050	0.51	540
Jul	1 413	78	18.1	2 574	0.55	1 413
Aug	2 949	129	22.9	4 515	0.65	2 949
Sep	3 564	140	25.5	4 900	0.73	3 564
Oct	3 622	107	33.8	4 494	0.81	3 622
Nov	4 061	122	33.3	5 490	0.74	4 061
Dec	4 698	141	33.3	7 614	0.62	4 698
Total	27 712	1 020	27.2	40 845	0.68	27 712
Area 905						
Jan	2 947	156	18.9	4 992	0.59	2 947
Feb	3 038	178	17.1	4 806	0.63	3 038
Mar	2 260	173	13.1	5 017	0.45	2 260
Apr	509	41	12.4	1 312	0.39	509
May	37	5	7.4	220	0.17	37
Jun	888	71	12.5	2 698	0.33	888
Jul	4 402	258	17.1	10 320	0.43	4 402
Aug	5 745	359	16.0	14 001	0.41	5 745
Sep	7 504	355	21.1	13 490	0.56	7 504
Oct	5 901	279	21.1	10 323	0.57	5 901
Nov	5 955	245	24.3	9 065	0.66	5 955
Dec	5 233	183	28.6	7 503	0.70	5 233
Total	44 419	2 303	19.3	83 747	0.53	44 419
Area 906						
Jan	18 535	576	32.2	37 440	0.50	18 535
Feb	8 798	332	26.5	18 592	0.47	8 798
Mar	6 247	326	19.2	15 648	0.40	6 247
Apr	1 304	79	16.5	3 239	0.40	1 304
May	89	9	9.9	135	0.66	89
Jun	892	73	12.2	2 993	0.30	892
Jul	11 496	431	26.7	24 998	0.46	11 496
Aug	17 532	712	24.6	42 008	0.42	17 532
Sep	14 519	605	24.0	39 930	0.36	14 519
Oct	21 099	635	33.2	41 910	0.50	21 099
Nov	22 653	651	34.8	44 919	0.50	22 653
Dec	20 513	643	31.9	41 152	0.50	20 513
Total	143 678	5 072	28.3	312 964	0.46	143 678

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	7 294	161	45.3	10 948	0.67	7 294
Feb	3 609	81	44.6	5 022	0.72	3 609
Mar	4 641	86	54.0	5 676	0.82	4 641
Apr	2 151	73	29.5	4 161	0.52	2 151
May	320	18	17.8	702	0.46	320
Jun	923	61	15.1	3 050	0.30	923
Jul	5 323	152	35.0	10 944	0.49	5 323
Aug	7 090	226	31.4	16 272	0.44	7 090
Sep	7 570	197	38.4	14 578	0.52	7 570
Oct	11 462	221	51.9	17 459	0.66	11 462
Nov	8 816	180	49.0	14 580	0.60	8 816
Dec	9 495	192	49.5	15 744	0.60	9 495
Total	68 695	1 648	41.7	119 136	0.58	68 695
Area 908						
Jan	16 335	400	40.8	28 400	0.58	16 335
Feb	9 516	300	31.7	20 700	0.46	9 516
Mar	5 852	227	25.8	12 258	0.48	5 852
Apr	1 745	68	25.7	3 604	0.48	1 745
May	147	12	12.2	348	0.42	147
Jun	1 090	75	14.5	3 900	0.28	1 090
Jul	4 484	185	24.2	10 915	0.41	4 484
Aug	8 101	349	23.2	20 242	0.40	8 101
Sep	6 573	275	23.9	17 875	0.37	6 573
Oct	10 462	294	35.6	19 992	0.52	10 462
Nov	11 251	337	33.4	25 275	0.45	11 251
Dec	12 683	346	36.7	27 334	0.46	12 683
Total	88 236	2 868	30.8	190 843	0.46	88 236
Area 909						
Jan	16 657	148	112.5	12 284	1.36	19 234
Feb	3 314	33	100.4	3 003	1.10	3 314
Mar	3 342	31	107.8	3 100	1.08	5 083
Apr	1 004	20	50.2	1 040	0.97	1 537
May	796	7	113.7	350	2.27	796
Jun	6 301	66	95.5	5 742	1.10	6 301
Jul	8 807	116	75.9	9 396	0.94	8 807
Aug	12 728	164	77.6	11 152	1.14	12 728
Sep	4 363	77	56.7	5 852	0.75	4 363
Oct	9 088	144	63.1	10 944	0.83	9 088
Nov	28 078	290	96.8	26 970	1.04	28 078
Dec	20 536	212	96.9	19 716	1.04	21 085
Total	115 013	1 308	87.9	109 549	1.05	120 412

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	43 089	522	82.5	45 936	0.94	43 089
Feb	18 092	298	60.7	22 946	0.79	18 092
Mar	31 276	387	80.8	31 734	0.99	31 276
Apr	8 644	125	69.2	9 000	0.96	8 644
May	2 265	65	34.8	4 615	0.49	2 265
Jun	21 292	244	87.3	18 544	1.15	21 292
Jul	33 339	441	75.6	35 721	0.93	33 339
Aug	21 088	388	54.4	27 936	0.75	21 088
Sep	7 000	164	42.7	11 316	0.62	7 000
Oct	32 890	421	78.1	39 995	0.82	32 890
Nov	92 653	871	106.4	85 358	1.09	92 653
Dec	62 567	613	102.1	57 009	1.10	62 567
Total	374 194	4 539	82.4	390 110	0.96	374 194
Area 911						
Jan	30 083	418	72.0	33 022	0.91	30 083
Feb	11 588	240	48.3	18 480	0.63	11 588
Mar	5 392	149	36.2	9 387	0.57	5 392
Apr	1 865	74	25.2	3 848	0.48	1 865
May	511	37	13.8	888	0.58	511
Jun	7 007	153	45.8	7 497	0.93	7 007
Jul	13 499	235	57.4	15 510	0.87	13 499
Aug	17 827	307	58.1	21 183	0.84	17 827
Sep	16 371	279	58.7	20 088	0.81	16 371
Oct	21 678	328	66.1	23 944	0.91	21 678
Nov	58 633	547	107.2	43 213	1.36	58 633
Dec	46 278	399	116.0	34 314	1.35	46 278
Total	230 731	3 166	72.9	231 374	1.00	230 731
Area 912						
Jan	34 840	417	83.5	29 190	1.19	34 840
Feb	16 102	242	66.5	16 940	0.95	16 102
Mar	10 906	184	59.3	11 592	0.94	10 906
Apr	2 846	67	42.5	3 886	0.73	2 846
May	7 071	103	68.7	6 592	1.07	7 071
Jun	17 246	224	77.0	16 352	1.05	17 246
Jul	18 781	248	75.7	18 848	1.00	18 781
Aug	19 987	341	58.6	24 552	0.81	19 987
Sep	12 815	265	48.4	18 815	0.68	12 815
Oct	19 311	323	59.8	23 902	0.81	19 311
Nov	38 658	432	89.5	32 832	1.18	38 658
Dec	32 025	412	77.7	31 312	1.02	32 025
Total	230 587	3 258	70.8	234 813	0.98	230 587

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	Estimated No. of pot-lifts	Av. weight landed per pot-lift	Total landed weight (kg) for all returns
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Area 913

Jan	17 641	234	75.4	21 528	0.82	17 641
Feb	13 879	191	72.7	17 381	0.80	13 879
Mar	2 052	44	46.6	2 772	0.74	2 052
Apr	61	3	20.3	180	0.34	61
May	12 370	132	93.7	13 200	0.94	12 370
Jun	10 486	85	123.4	8 840	1.19	10 486
Jul	16 468	142	116.0	14 626	1.13	16 468
Aug	19 304	225	85.8	20 475	0.94	19 304
Sep	10 581	180	58.8	15 660	0.68	10 581
Oct	16 961	216	78.5	19 656	0.86	16 961
Nov	30 024	314	95.6	31 086	0.97	30 024
Dec	31 383	258	121.6	26 832	1.17	31 383
Total	181 209	2 024	89.5	192 236	0.94	181 209

Area 914

Jan	28 660	363	79.0	35 211	0.81	28 660
Feb	16 578	366	45.3	28 548	0.58	16 578
Mar	4 636	90	51.5	6 840	0.68	4 636
Apr	249	3	83.0	360	0.69	249
May	24 421	165	148.0	17 655	1.38	24 421
Jun	22 140	216	102.5	18 576	1.19	22 140
Jul	27 770	316	87.9	25 912	1.07	27 770
Aug	20 611	282	73.1	23 688	0.87	20 611
Sep	23 783	347	68.5	29 148	0.82	23 783
Oct	41 950	409	102.6	36 810	1.14	41 950
Nov	34 983	331	105.7	32 107	1.09	34 983
Dec	46 589	448	104.0	35 840	1.30	46 589
Total	292 370	3 336	87.6	290 695	1.01	292 370

Area 915

Jan	10 235	187	54.7	14 399	0.71	10 235
Feb	8 680	216	40.2	15 552	0.56	8 680
Mar	4 365	150	29.1	9 600	0.45	4 365
Apr	279	22	12.7	814	0.34	279
May	2 100	21	100.0	2 352	0.89	2 100
Jun	6 835	80	85.4	6 560	1.04	6 835
Jul	9 307	162	57.4	14 418	0.65	9 307
Aug	10 021	203	49.4	19 082	0.53	10 021
Sep	11 820	220	53.7	20 680	0.57	11 820
Oct	21 455	288	74.5	26 784	0.80	21 455
Nov	14 474	202	71.7	21 210	0.68	14 474
Dec	20 191	259	78.0	24 346	0.83	20 191
Total	119 761	2 010	59.6	175 797	0.68	119 761

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	18 734	175	107.1	25 200	0.74	18 734
Feb	7 779	124	62.7	13 764	0.57	7 779
Mar	1 780	55	32.4	3 520	0.51	1 780
Apr	531	37	14.3	1 480	0.36	531
May	7 284	125	58.3	10 875	0.67	7 284
Jun	3 056	61	50.1	6 100	0.50	3 056
Jul	4 551	74	61.5	8 066	0.56	4 551
Aug	6 149	139	44.2	12 927	0.48	6 149
Sep	5 612	146	38.4	12 410	0.45	5 612
Oct	11 789	167	70.6	20 207	0.58	11 789
Nov	27 154	277	98.0	38 503	0.71	27 154
Dec	27 515	248	110.9	34 472	0.80	27 515
Total	121 932	1 628	74.9	187 524	0.65	121 932
Area 917						
Jan	44 665	937	47.7	50 598	0.88	44 665
Feb	19 969	574	34.8	29 274	0.68	19 969
Mar	11 695	453	25.8	18 120	0.65	11 695
Apr	7 537	274	27.5	9 590	0.79	7 537
May	31 782	660	48.2	31 680	1.00	31 782
Jun	12 579	250	50.3	12 250	1.03	12 579
Jul	2 901	127	22.8	3 937	0.74	2 901
Aug	6 202	292	21.2	10 512	0.59	6 202
Sep	11 227	488	23.0	21 472	0.52	11 227
Oct	26 646	753	35.4	38 403	0.69	26 646
Nov	73 298	1 054	69.5	63 240	1.16	73 298
Dec	74 485	920	81.0	57 960	1.29	74 485
Total	322 983	6 782	47.6	347 036	0.93	322 983
Area 918						
Jan	2 754	80	34.4	3 440	0.80	2 754
Feb	1 155	46	25.1	1 840	0.63	1 155
Mar	12	1	11.8	30	0.39	12
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	37	5	7.3	145	0.25	37
Jul	1 145	41	27.9	1 230	0.93	1 145
Aug	3 072	157	19.6	6 437	0.48	3 072
Sep	3 760	145	25.9	6 525	0.58	3 760
Oct	3 405	125	27.2	5 625	0.61	3 405
Nov	4 812	137	35.1	6 439	0.75	4 812
Dec	4 028	143	28.2	6 149	0.66	4 028
Total	24 177	880	27.5	37 860	0.64	24 177

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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
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Area 919

Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	199	5	39.9	-	-	199
Jul	1 302	43	30.3	1 935	0.67	1 302
Aug	1 031	47	21.9	2 209	0.47	1 031
Sep	82	11	7.4	187	0.44	82
Oct	75	13	5.7	208	0.36	75
Nov	248	25	9.9	600	0.41	248
Dec	190	11	17.3	165	1.15	190
Total	3 127	155	20.2	5 304	0.59	3 127

Area 920

Jan	3 704	102	36.3	3 978	0.93	3 704
Feb	1 535	63	24.4	2 583	0.59	1 535
Mar	50	11	4.5	198	0.25	50
Apr	193	5	38.6	40	4.83	193
May	4	1	3.5	12	0.29	4
Jun	4 444	176	25.3	9 680	0.46	4 444
Jul	17 342	696	24.9	38 280	0.45	17 342
Aug	16 967	802	21.2	45 714	0.37	16 967
Sep	11 053	624	17.7	34 320	0.32	11 053
Oct	8 412	358	23.5	19 332	0.44	8 412
Nov	5 967	221	27.0	9 945	0.60	5 967
Dec	3 485	150	23.2	5 250	0.66	3 485
Total	73 156	3 209	22.8	169 332	0.43	73 156

Area 921

Jan	731	20	36.5	740	0.99	731
Feb	274	14	19.6	406	0.68	274
Mar	31	4	7.8	92	0.34	31
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	2 958	69	42.9	3 588	0.82	2 958
Jul	15 459	409	37.8	25 767	0.60	15 459
Aug	13 801	337	41.0	21 905	0.63	13 801
Sep	8 108	216	37.5	13 392	0.61	8 108
Oct	6 604	166	39.8	8 632	0.77	6 604
Nov	6 981	96	72.7	4 704	1.48	6 981
Dec	2 960	54	54.8	1 836	1.61	2 960
Total	57 907	1 385	41.8	81 062	0.71	57 907

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 by statistical area; area boundaries shown in Fig. 1 (continued)

Month	Landed weight (kg) for returns with effort data	No. of vessel 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
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Area 922

Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	42	5	8.4	70	0.60	42
Jul	812	16	50.8	528	1.54	812
Aug	4 091	86	47.6	4 558	0.90	4 091
Sep	7 260	125	58.1	7 125	1.02	7 260
Oct	6 354	79	80.4	4 503	1.41	6 354
Nov	1 871	36	52.0	1 764	1.06	1 871
Dec	678	16	42.4	368	1.84	678
Total	21 108	363	58.1	18 916	1.12	21 108

Area 923

Jan	2 963	44	67.3	2 112	1.40	2 963
Feb	3 546	54	65.7	2 322	1.53	3 546
Mar	165	8	20.6	192	0.86	165
Apr	287	4	71.8	168	1.71	287
May	-	-	-	-	-	-
Jun	3 387	79	42.9	2 844	1.19	3 387
Jul	4 845	119	40.7	5 236	0.93	4 845
Aug	12 530	110	113.9	7 370	1.70	12 530
Sep	38 128	343	111.2	34 353	1.57	42 790
Oct	43 068	310	138.9	21 700	1.98	55 391
Nov	12 522	130	96.3	7 150	1.75	12 522
Dec	6 701	105	63.8	4 935	1.36	6 701
Total	128 142	1 306	98.1	78 382	1.63	145 127

Area 924

Jan	9 053	137	66.1	5 206	1.74	10 853
Feb	1 268	42	30.2	1 428	0.89	1 268
Mar	298	13	22.9	221	1.35	298
Apr	38	5	7.5	35	1.07	38
May	22	2	10.8	16	1.35	22
Jun	1 962	39	50.3	1 599	1.23	1 962
Jul	8 382	276	30.4	9 936	0.84	13 470
Aug	41 419	653	63.4	32 650	1.27	43 204
Sep	90 947	952	95.5	58 072	1.57	103 365
Oct	139 461	922	151.3	57 164	2.44	153 584
Nov	45 234	515	87.8	26 780	1.69	51 978
Dec	18 736	279	67.2	12 555	1.49	29 917
Total	356 819	3 835	93.0	205 662	1.73	409 958

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	12 942	36	359.5	756	17.12	12 942
Feb	3 759	23	163.4	437	8.60	3 759
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	960	14	68.6	224	4.29	960
Aug	606	15	40.4	165	3.67	606
Sep	840	23	36.5	483	1.74	840
Oct	2 483	27	91.9	837	2.97	2 483
Nov	1 512	15	100.8	210	7.20	1 512
Dec	4 016	45	89.2	810	4.96	4 016
Total	27 117	198	137.0	3 922	6.91	27 117
Area 926						
Jan	26 074	228	114.4	12 084	2.16	26 074
Feb	8 226	146	56.3	7 446	1.10	8 226
Mar	8 351	135	61.9	6 615	1.26	8 351
Apr	2 463	77	32.0	2 695	0.91	2 463
May	3 009	58	51.9	2 320	1.30	3 009
Jun	22 528	251	89.8	12 048	1.87	22 528
Jul	16 846	264	63.8	13 728	1.23	16 846
Aug	30 383	307	99.0	18 113	1.68	32 424
Sep	106 436	789	134.9	52 074	2.04	109 157
Oct	119 413	757	157.7	51 476	2.32	124 450
Nov	45 199	408	110.8	24 480	1.85	45 199
Dec	63 709	481	132.5	31 746	2.01	67 609
Total	452 636	3 901	116.0	234 825	1.93	466 336
Area 927						
Jan	6 832	153	44.7	7 650	0.89	6 832
Feb	3 699	90	41.1	4 320	0.86	3 699
Mar	630	51	12.4	1 632	0.39	630
Apr	888	24	37.0	1 080	0.82	888
May	264	20	13.2	680	0.39	264
Jun	15 245	227	67.2	15 890	0.96	17 042
Jul	13 779	274	50.3	18 906	0.73	15 393
Aug	13 444	240	56.0	14 880	0.90	13 444
Sep	30 709	432	71.1	29 808	1.03	33 769
Oct	58 729	501	117.2	37 575	1.56	61 729
Nov	30 995	353	87.8	24 004	1.29	32 516
Dec	37 609	383	98.2	27 576	1.36	37 609
Total	212 823	2 748	77.4	184 001	1.16	223 815

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	12 987	244	53.2	13 908	0.93	12 987
Feb	8 839	198	44.6	9 900	0.89	8 839
Mar	5 915	167	35.4	9 185	0.64	5 915
Apr	1 060	33	32.1	2 277	0.47	1 060
May	456	14	32.6	994	0.46	456
Jun	6 547	97	67.5	4 656	1.41	6 547
Jul	2 642	105	25.2	3 675	0.72	2 642
Aug	2 224	79	28.1	3 871	0.57	2 224
Sep	23 585	302	78.1	18 724	1.26	23 585
Oct	52 064	507	102.7	31 941	1.63	52 064
Nov	15 330	230	66.6	13 570	1.13	15 330
Dec	26 053	401	65.0	25 664	1.02	26 053
Total	157 700	2 377	66.3	138 365	1.14	157 700
Area 929						
Jan	191	13	14.7	481	0.40	191
Feb	123	9	13.7	288	0.43	123
Mar	-	-	-	-	-	-
Apr	213	4	53.3	160	1.33	213
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	17	2	8.3	70	0.24	17
Aug	-	-	-	-	-	-
Sep	207	9	23.0	351	0.59	207
Oct	567	19	29.8	760	0.75	567
Nov	171	7	24.4	308	0.56	171
Dec	714	19	37.6	855	0.84	714
Total	2 202	82	26.9	3 273	0.67	2 202
Area 930						
Jan	693	25	27.7	725	0.96	693
Feb	462	17	27.2	493	0.94	462
Mar	331	16	20.7	384	0.86	331
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	156	6	26.0	150	1.04	156
Jul	570	32	17.8	928	0.61	570
Aug	105	8	13.1	224	0.47	105
Sep	282	20	14.1	560	0.50	282
Oct	585	30	19.5	990	0.59	585
Nov	426	26	16.4	884	0.48	426
Dec	1 235	53	23.3	1 643	0.75	1 235
Total	4 845	233	20.8	6 981	0.69	4 845

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	4 673	69	67.7	3 312	1.41	4 673
Feb	4 449	59	75.4	2 478	1.80	4 449
Mar	1 569	25	62.8	975	1.61	1 569
Apr	-	-	-	-	-	-
May	381	7	54.4	210	1.81	381
Jun	963	7	137.6	210	4.59	963
Jul	708	21	33.7	1 134	0.62	708
Aug	3 786	24	157.7	840	4.51	3 786
Sep	250	9	27.8	405	0.62	250
Oct	1 214	33	36.8	1 353	0.90	1 214
Nov	995	21	47.4	924	1.08	995
Dec	2 136	38	56.2	1 520	1.41	2 136
Total	21 124	313	67.5	13 361	1.58	21 124
Area 932						
Jan	2 345	15	156.3	480	4.89	2 345
Feb	2 414	14	172.4	308	7.84	2 414
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	23	5	4.6	350	0.07	23
Jun	165	10	16.5	520	0.32	165
Jul	46	2	23.0	140	0.33	46
Aug	229	23	10.0	1 610	0.14	229
Sep	124	6	20.7	300	0.41	124
Oct	79	4	19.8	200	0.40	79
Nov	61	4	15.3	168	0.36	61
Dec	22	2	11.0	60	0.37	22
Total	5 508	85	64.8	4 136	1.33	5 508
Area 933						
Jan	9 733	146	66.7	10 220	0.95	9 733
Feb	6 009	90	66.8	5 580	1.08	6 009
Mar	1 197	26	46.0	1 508	0.79	1 197
Apr	-	-	-	-	-	-
May	1 070	36	29.7	1 980	0.54	1 070
Jun	2 437	90	27.1	5 490	0.44	2 437
Jul	7 549	200	37.7	12 600	0.60	7 549
Aug	9 722	225	43.2	15 525	0.63	9 722
Sep	9 406	198	47.5	14 256	0.66	9 406
Oct	22 178	224	99.0	16 576	1.34	22 178
Nov	17 389	211	82.4	16 036	1.08	17 389
Dec	16 826	205	82.1	15 375	1.09	16 826
Total	103 513	1 651	62.7	115 146	0.90	103 513

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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
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Area 934

Jan	-	-	-	-	-	-
Feb	41	5	8.2	75	0.55	41
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	54	6	8.9	-	-	54
Aug	-	-	-	-	-	-
Sep	18	3	5.8	45	0.39	18
Oct	126	6	21.0	-	-	126
Nov	20	2	9.8	-	-	20
Dec	389	9	43.2	477	0.82	389
Total	647	31	20.9	597	1.08	647

Area 935

Jan	1 732	59	29.3	2 950	0.59	1 732
Feb	1 111	50	22.2	2 900	0.38	1 111
Mar	649	37	17.5	1 998	0.32	649
Apr	328	30	10.9	1 530	0.21	328
May	14	11	1.2	110	0.12	14
Jun	182	12	15.1	264	0.69	182
Jul	992	18	55.1	630	1.57	992
Aug	800	10	80.0	500	1.60	800
Sep	834	26	32.1	1 378	0.61	834
Oct	1 973	49	40.3	2 842	0.69	1 973
Nov	1 297	34	38.1	2 040	0.64	1 297
Dec	1 776	43	41.3	2 623	0.68	1 776
Total	11 685	379	30.8	19 765	0.59	11 685

Area 936

Jan	3 290	83	39.6	4 482	0.73	3 290
Feb	2 232	69	32.3	3 381	0.66	2 232
Mar	2 009	64	31.4	3 136	0.64	2 009
Apr	384	14	27.4	826	0.46	384
May	-	-	-	-	-	-
Jun	95	15	6.3	150	0.63	95
Jul	116	11	10.5	110	1.05	116
Aug	108	11	9.8	110	0.98	108
Sep	34	6	5.7	204	0.17	34
Oct	136	12	11.3	120	1.13	136
Nov	456	29	15.7	1 276	0.36	456
Dec	736	51	14.4	2 091	0.35	736
Total	9 594	365	26.3	15 886	0.60	9 594

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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
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Area 937

Jan	3 646	71	51.4	2 982	1.22	3 646
Feb	2 211	65	34.0	2 210	1.00	2 211
Mar	668	26	25.7	1 014	0.66	668
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	337	17	19.8	170	1.98	337
Aug	-	-	-	-	-	-
Sep	249	8	31.1	160	1.56	249
Oct	377	13	29.0	546	0.69	377
Nov	1 383	50	27.7	1 950	0.71	1 383
Dec	2 891	74	39.1	3 182	0.91	2 891
Total	11 762	324	36.3	12 214	0.96	11 762

Area 938

Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-

Area 939

Jan	7 815	124	63.0	9 548	0.82	7 815
Feb	1 951	41	47.6	2 419	0.81	1 951
Mar	1 879	30	62.6	1 620	1.16	1 879
Apr	204	8	25.5	288	0.71	204
May	-	-	-	-	-	-
Jun	197	5	39.4	230	0.86	197
Jul	2 724	55	49.5	4 125	0.66	2 724
Aug	3 711	90	41.2	6 750	0.55	3 711
Sep	4 008	87	46.1	7 395	0.54	4 008
Oct	6 294	94	67.0	7 614	0.83	6 294
Nov	11 020	126	87.5	9 450	1.17	11 020
Dec	9 737	122	79.8	10 370	0.94	9 737
Total	49 537	782	63.3	59 809	0.83	49 537

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	17 464	83	210.4	5 727	3.05	17 464
Feb	7 065	45	157.0	2 430	2.91	7 065
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	1 604	31	51.7	1 271	1.26	1 604
Jun	8 944	65	137.6	4 420	2.02	8 944
Jul	7 723	36	214.5	2 412	3.20	7 723
Aug	4 444	33	134.7	2 409	1.84	4 444
Sep	1 772	38	46.6	2 318	0.76	1 772
Oct	4 035	69	58.5	4 278	0.94	4 035
Nov	14 335	125	114.7	7 875	1.82	14 335
Dec	11 417	113	101.0	7 119	1.60	11 417
Total	78 801	638	123.5	40 259	1.96	78 801
Area 941						
Jan	14 360	128	112.2	9 984	1.44	14 360
Feb	20 970	119	176.2	9 044	2.32	20 970
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	4 406	96	45.9	4 032	1.09	4 406
Jun	8 444	171	49.4	8 721	0.97	8 444
Jul	8 311	159	52.3	8 268	1.01	8 311
Aug	6 183	132	46.8	8 184	0.76	6 183
Sep	5 835	132	44.2	8 580	0.68	5 835
Oct	8 121	158	51.4	10 744	0.76	8 121
Nov	9 791	150	65.3	10 050	0.97	9 791
Dec	9 605	114	84.3	7 638	1.26	9 605
Total	96 025	1 359	70.7	85 245	1.13	96 025
Area 942						
Jan	24 956	139	179.5	7 784	3.21	24 956
Feb	17 344	115	150.8	6 095	2.85	17 344
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	5 184	51	101.6	2 244	2.31	5 184
Jun	23 910	173	138.2	8 131	2.94	23 910
Jul	18 474	128	144.3	6 528	2.83	18 474
Aug	4 751	54	88.0	2 646	1.80	4 751
Sep	4 359	64	68.1	3 520	1.24	4 359
Oct	14 869	146	101.8	9 198	1.62	14 869
Nov	20 408	146	139.8	8 614	2.37	20 408
Dec	23 399	182	128.6	11 284	2.07	23 399
Total	157 652	1 198	131.6	66 044	2.39	157 652

TABLE 2: Landings (whole weight) of *Jasus edwardsii* and effort data during 1982 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	14 070	104	135.3	5 928	2.37	14 070
Feb	23 436	170	137.9	8 670	2.70	23 436
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	791	21	37.7	987	0.80	791
Jun	7 187	56	128.3	2 576	2.79	7 187
Jul	8 319	61	136.4	3 111	2.67	8 319
Aug	3 099	45	68.9	1 755	1.77	3 099
Sep	2 126	48	44.3	2 016	1.05	2 126
Oct	7 846	85	92.3	4 335	1.81	7 846
Nov	6 697	58	115.5	3 248	2.06	6 697
Dec	9 249	78	118.6	4 914	1.88	9 249
Total	82 819	726	114.1	37 540	2.21	82 819
New Zealand totals						
Jan	505 786	7 160	70.6	483 397	1.05	510 163
Feb	277 343	4 943	56.1	302 060	0.92	277 343
Mar	125 106	3 090	40.5	169 014	0.74	126 847
Apr	35 242	1 105	31.9	51 925	0.68	35 775
May	107 306	1 733	61.9	105 184	1.02	107 306
Jun	221 647	3 285	67.5	195 977	1.13	223 444
Jul	304 179	6 053	50.3	369 246	0.82	310 881
Aug	359 173	7 749	46.4	473 986	0.76	362 999
Sep	507 633	8 525	59.5	542 734	0.94	530 495
Oct	774 574	9 433	82.1	643 048	1.20	809 057
Nov	726 731	9 196	79.0	669 722	1.09	734 996
Dec	701 853	8 675	80.9	623 491	1.13	717 482
Total	4 646 574	70 947	65.5	4 629 784	1.00	4 746 790

TABLE 3: Landings (whole weight) of *Jasus edwardsii* during 1982 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)	42	211 875	3 263	64.9	185 882	1.14	211 875
B, Taranaki (935-38)	18	33 041	1 068	30.9	47 865	0.69	33 041
C, Wellington-Hawke's Bay (912-15, 934)	98	824 574	10 659	77.4	894 138	0.92	824 574
D, Gisborne (909-11)	86	719 937	9 013	79.9	731 033	0.98	725 337
E, Bay of Plenty (905-08)	112	345 028	11 891	29.0	706 690	0.49	345 028
F, Canterbury-Marlborough (916-19, 932-33)	104	581 241	11 181	52.0	697 006	0.83	581 241
G, Otago (920-21)	98	131 063	4 594	28.5	250 394	0.52	131 063
H, Southern (922-28)	246	1 356 345	14 728	92.1	864 073	1.57	1 451 162
I, Westland (929-31)	11	28 171	628	44.9	23 615	1.19	28 171
J, Chatham Islands (940-43)	64	415 297	3 921	105.9	229 088	1.81	415 297
North & South Is. combined (901-39)	815	4 231 277	67 025	63.1	4 400 696	0.96	4 331 493
N.Z. totals	879	4 646 574	70 947	65.5	4 629 784	1.00	4 746 790

TABLE 4: Landings (whole weight) of *Jasus verreauxi* during 1982 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	26 884	910	3
903	604	914	990
904	347	928	5
905	25	936	2
906	21	939	9
908	10		
		N.Z. totals	28 924

TABLE 5: Landings (kg whole weight) by region (groups of points of landings) of *Jasus edwardsii* and *J. verreauxi* during 1982

Region of landing	<i>Jasus edwardsii</i>	<i>Jasus verreauxi</i>
Mangonui	120 636	27 434
Whangaroa	58 488	62
Russell	7 615	19
Hokianga	6 430	0
Whangarei	19 605	355
Auckland	31 713	25
Thames	0	0
Coromandel	9 580	0
Kawhia	3 733	0
Raglan	7 319	0
Mercury Bay	143 927	21
Tauranga	51 195	0
Whakatane	143 679	10
Gisborne	462 087	3
Napier	461 000	0
Castlepoint	489 764	990
Wellington	98 876	0
Makara	1 413	0
Paremata	535	0
Paraparaumu	0	0
Manawatu	0	0
Wanganui	0	0
New Plymouth	21 989	2
Kaipara	0	0
Golden Bay	15 727	0
Motueka	1 831	0
Nelson	2 706	0
Pelorus	0	0
Picton	80 306	0
Blenheim	134 522	0
Kaikoura	330 864	0
Lyttelton	3 934	0
Akaroa	21 196	0
Timaru	379	0
Oamaru	4 445	0
Moeraki	28 065	0
Karitane	36 583	0
Port Chalmers	42 325	0
Taiheri Mouth	22 753	0
Nuggets	8 007	0
Waikawa	11 807	0
Riverton	259 188	0
Bluff	458 231	0
Milford Sound	290 345	0
Stewart Island	329 487	0
Greymouth	96 462	5
Westport	12 745	0
Chatham Islands	415 297	0
Total for all ports	4 746 790	28 924