

132	<i>Kaikoura</i>										
133	3/06/91	Kk	<200m off South Bay	4225	17339	1	N	Travelling	S.Dawson	1	
134	Jul-91	Kk	Kaikoura	4230	17338	7	?	?	B.Todd	1	
135	5/06/92	Kk	1 km S Barney's rock	4230	17332	3	Nil	Feeding	C.Duffy	1	
136	9/06/92	Kk	E Goose Bay	4229	17329	3	Nil	Feeding	The Press (Chch)	1	
137	4/07/92	Kk	E Barney's rock	4229	17332	1	?	?	J.Lilley	1	
138	20/06/94	Kk	Kaikoura	4224	17343	1	N	Travelling	D.Buurman	1	
139	20/07/94	Kk	Kaikoura	4224	17343	2	N	Travelling	D.Buurman	1	
140	24/07/94	Kk	Kaikoura	4224	17343	1	N	Travelling	D.Buurman	1	
141	May-94	Kk	Kaikoura	4224	17343	1	N	Travelling	D.Buurman	1	
142	8/06/95	Kk	Kaikoura	4224	17343	1	N	Travelling	D.Buurman	1	
143	20/12/96	Kk	Kaikoura	4231	17333	1	?	?	S.Dawson	1	Photos taken
144	May-97	Kk	Kaikoura	4231	17342	2	?	?	T.Kahu	1	
145	Jun-97	Kk	Kaikoura	4230	17338	1	?	?	T.Kahu	1	
146	Sep-97	Kk	Kaikoura	4227	17342	2	?	?	T.Kahu	1	
147	May-98	Kk	Kaikoura	4327	17442	1	?	?	T.Kahu	1	
148	Jun-98	Kk	Kaikoura	4224	17343	1	?	?	T.Kahu	1	
149	28/06/98	Kk	Kaikoura	4231	17342	3	N	Travelling	D.Buurman	1	
150	Jun-98	Kk	Kaikoura	4237	17336	3	?	?	T.Kahu	1	
151	Jul-98	Kk	Kaikoura	4228	17345	3	?	?	T.Kahu	1	
152	Jul-98	Kk	Kaikoura	4227	17342	1	?	?	T.Kahu	1	
153	Jul-98	Kk	Kaikoura	4230	17338	8	?	?	T.Kahu	1	
154	Jul-98	Kk	Kaikoura	4234	17339	1	?	?	T.Kahu	1	
155	Mar-99	Kk	Kaikoura	4227	17342	2	?	?	T.Kahu	1	
156	Mar-99	Kk	Kaikoura	4230	17338	2	?	?	T.Kahu	1	
157	Mar-99	Kk	Kaikoura	4232	17336	1	?	?	T.Kahu	1	
158	23/05/99	Kk	Kaikoura	4226	17337	1	?	?	T.Kahu	1	
159	23/05/99	Kk	Kaikoura	4224	17343	1	N	Travelling	J.Macphail	1	3 Dusky dolphins, Photos
160	27/05/99	Kk	3-400m E Kaikoura Peni.	4226	17343	1	S	Feeding	J.Macphail	1	
161	28/05/99	Kk	3-4nm N Kaikoura Peni.	4224.5	17345	1	Nil	Feeding	J.Macphail	1	
162	29/05/99	Kk	Kaikoura	4225	17339	1	?	Travelling	T.Kahu	1	
163	Jun-99	Kk	Kaikoura	4230	17338	2	?	?	T.Kahu	1	
164	Jun-99	Kk	Kaikoura	4232	17336	1	?	?	T.Kahu	1	
165	4/07/99	Kk	8nm E Goose Bay	4229	17327	1	N	Travelling	J.Macphail	1	
166	20/07/99	Kk	Kaikoura	4230	17336	2	?	Travelling	T.Kahu	1	pod of dolphins
167	Jul-99	Kk	Kaikoura	4230	17338	4	?	?	T.Kahu	1	
168	10/08/99	Kk	5nm NE Haumuri Bluffs	4232	17333	1	N	Travelling	J.Macphail	1	
169											
170											
171	<i>West of South Island</i>										
172	<i>Fiordland</i>										
173	18/02/70	Fi	W Milford Sounds	4432	16743	1	?	?	BE Webb	1	
174	7/03/70	Fi	W George Sounds	4505	16430	1	?	?	BE Webb	1	
175	23/03/70	Fi	W Awarua Point	4405	16755	1	?	?	BE Webb	1	
176	7/07/97	Fi	Doubtful Sound-gut	4517	16655	6	?	?	D.Lusseau	1	1 jo,ende
177	13/07/97	Fi	2 m Dagg Sound	4523	16646	2	?	?	R Shaw	1	
178	7/11/97	Fi	Two Thumb Bay	4457	16711	2	?	?	The Southland Times	1	
179	21/01/98	Fi	Doubtful Sound - first arm	4519	16657	12	?	?	D.Lusseau	1	
180	22/01/98	Fi	Doubtful Sound - crooked at	4520	16702	6	?	?	D.Lusseau	1	
181	17/11/98	Fi	W Milford Sound entry	4434	16747	1	?	?	D.Lusseau	1	
182	18/11/98	Fi	Anita Bay, Milford Sound	4435	16748	1	Nil	Surface active	The Southland Times	1	
183											
184	<i>West South Island</i>										
185	9/09/74	WSI	Blaketown, Greymouth	4227	17111.5	1	Nil	Stranded	A.Baker	1	
186											
187											
188	<i>North of South Island</i>										
189	<i>North of South Island</i>										
190	11/08/90	NSI	Pepin Island	4109	17325	1	Nil	Stranded	A.Baker	1	
191	1/06/92	NSI	Port Nelson Haven	4115	17317	1	Nil	Travelling	Nelson Evening mail	1	
192											
193	<i>North West of South Island</i>										
194	13/01/70	NWSI	W Cape Farewell	4025	17155	2	?	?	BF Webb	1	
195	27/01/70	NWSI	W Cape Farewell	4020	17005	1	?	?	BE Webb	1	
196											
197											
198	<i>South of South Island</i>										
199	<i>South of South Island</i>										
200	May-99	SS	W Snares Island	4800	16630	2	N	Surface active	Ken (Sthm Air)	--S	
201											
202	<i>South West of South Island</i>										
203	4/05/99	SWSI	W Puysegur Point	4611	16553	1	?	Travelling	A.Baker	1	
204											

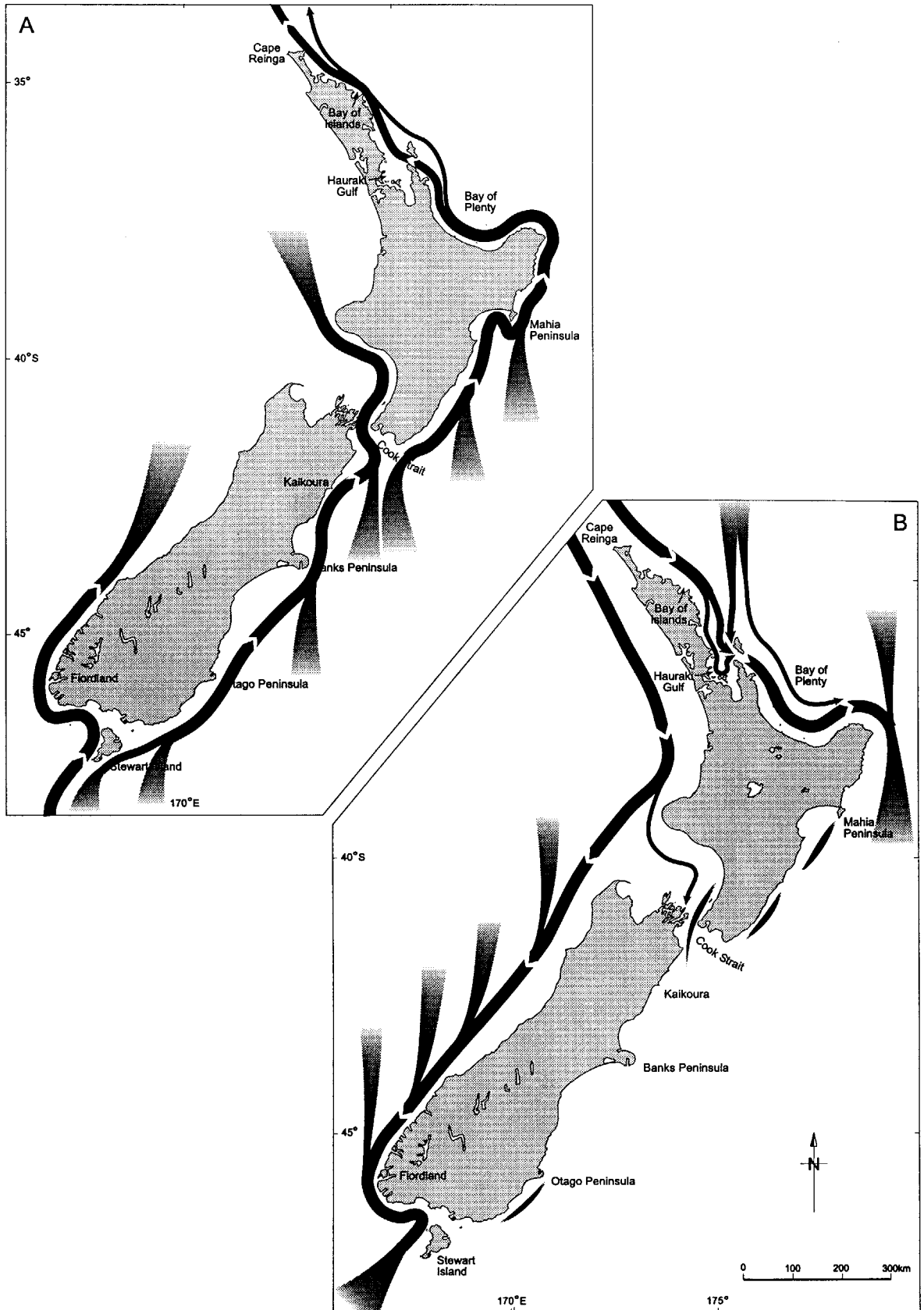


Figure 1: The (a) northern and (b) southern migratory routes of humpback whales in New Zealand waters. Fan indicates main areas where humpbacks are inferred to approach or leave coastal waters (modified from Dawbin 1956).

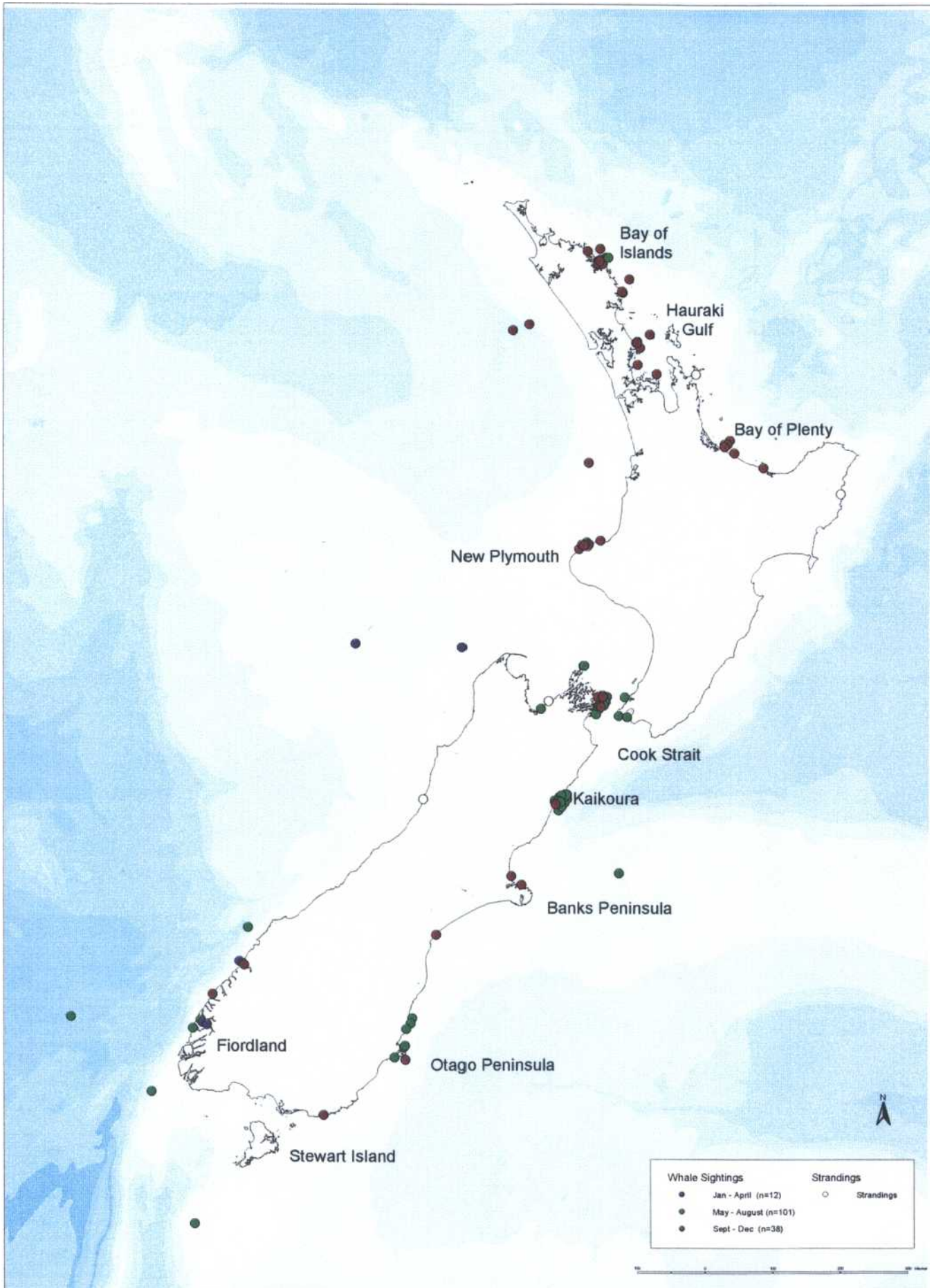
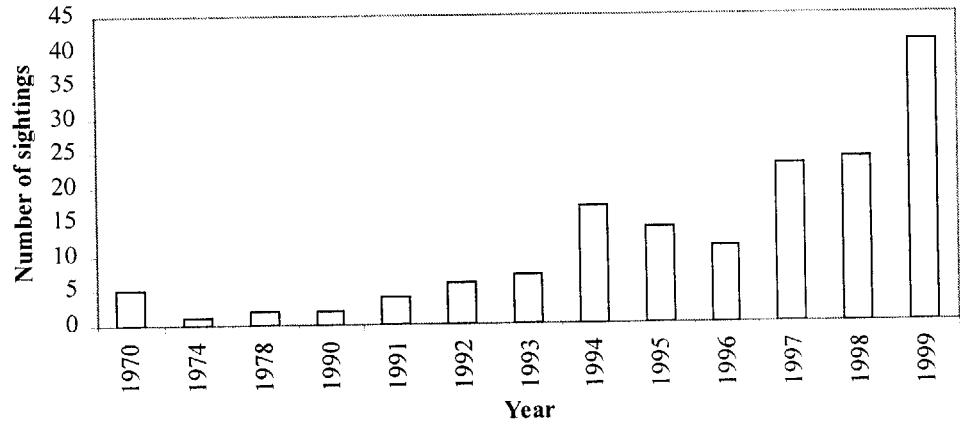


Figure 2: The locations of humpback whales sighted (closed circles) or stranded (open circles) per month along New Zealand coastlines.

(a)



(b)

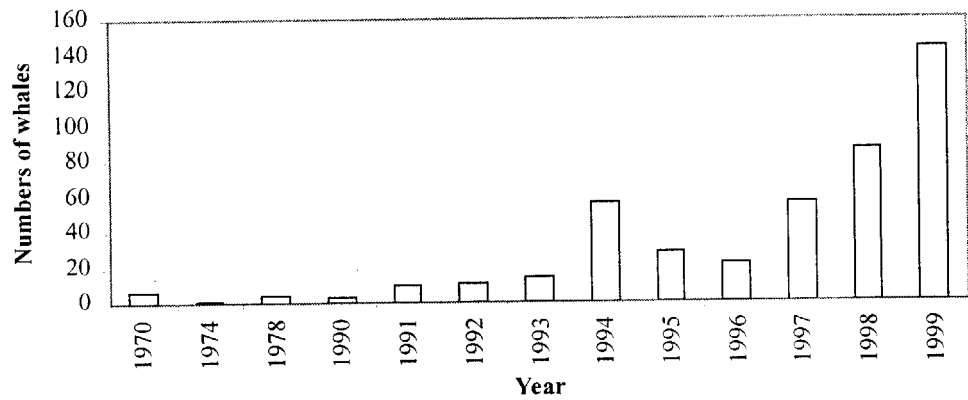


Figure 3: Frequency of (a) humpback whale sightings, (b) humpback whales in New Zealand waters during 1970-1999.

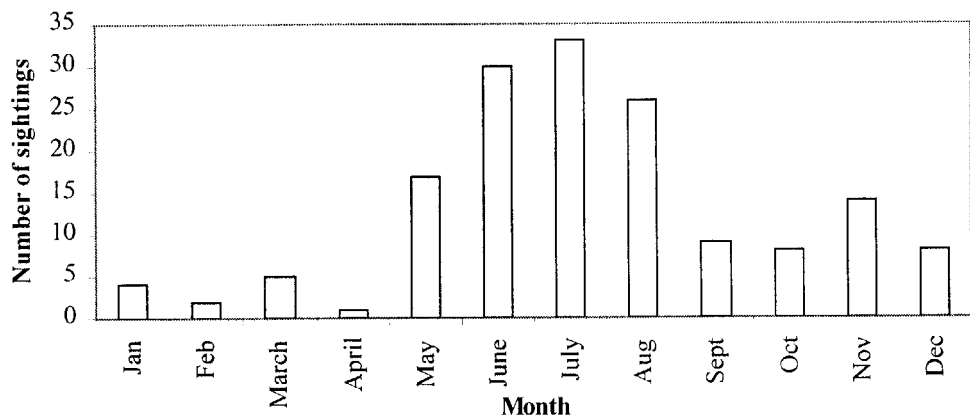


Figure 4: Seasonal abundance of humpback whales in New Zealand waters during 1970-1999.

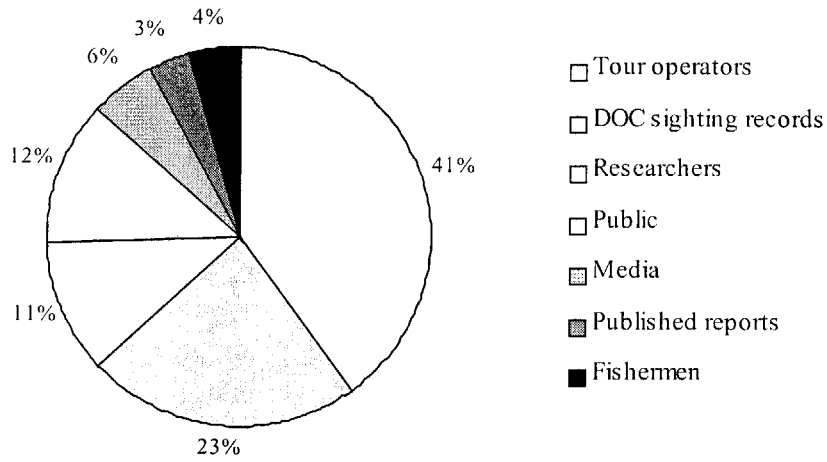


Figure 5: Contribution of humpback whale sightings by source.

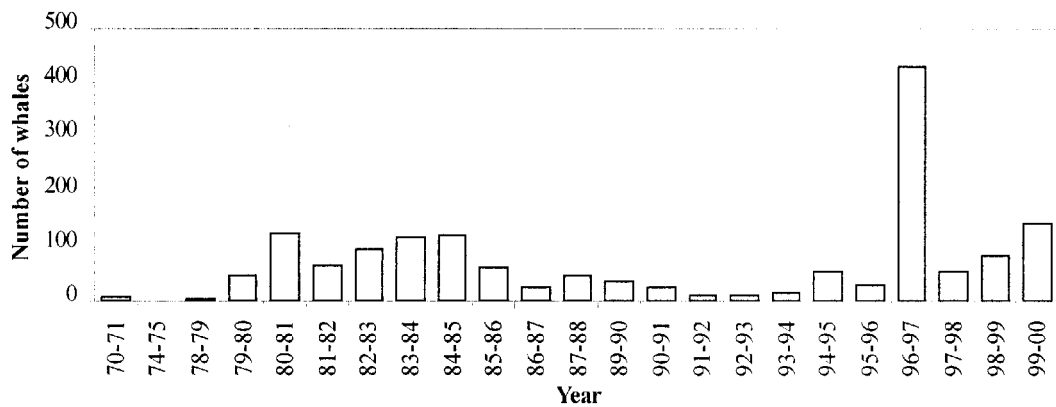


Figure 6: Humpback whales reported in New Zealand waters 1970-1999 (results combined with Cawthorn 1997).

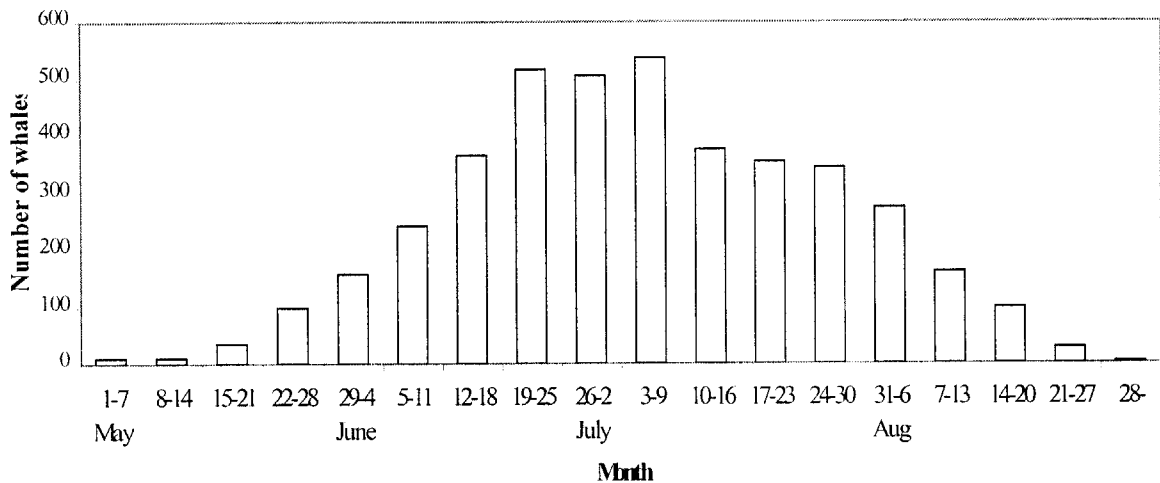


Figure 7: The number of humpback whales sighted or caught per week in Cook Strait during 36 seasons (modified from Dawbin 1956).