

Table 2: Acoustic class spatial extents (km²) by 5 m depth ranges

Depth range (m)	Acoustic Class					
	1	2	3	4	5	6
0–4	3.5	68.3	0.1	177.8	19.3	12.4
5–9	4.3	9.7	0.3	114.5	66.7	13.9
10–14	7.3	7.8	0.5	11.5	105.3	54.9
15–19	62.8	8.5	1.0	1.7	6.5	127.8
20–24	143.9	4.2	1.8	-	-	7.2
25–29	94.2	1.2	58.0	-	-	1.9
30–34	45.1	-	151.8	-	-	0.8
35–39	32.3	-	272.7	-	-	0.3
40–44	5.5	-	381.7	-	-	0.1
45–49	-	-	125.9	-	-	-
50+	-	-	0.4	-	-	-

Table 2: Summary of fish catches from R.V. Kaharoa trawl surveys, 1982-2000

Species	No. of trawl shots >>	Year													Total
		1982	1984	1985	1986	1987	1988	1989	1990	1992	1993	1994	1997	2000	
Snapper	<i>Pagrus auratus</i>	692	950	979	1813	1047	934	1378	1130	1118	628	693	567	630	12559
Jack mackerel	<i>Trachurus novaezelandiae</i>	360	46	70	613	218	274	400	340	243	263	223	156	192	3398
John dory	<i>Zeus faber</i>	81	22	157	217	138	151	182	129	135	153	133	103	73	1674
Red gurnard	<i>Chelidonichthys kumu</i>	230	107	7	231	146	185	123	26	184	57	161	94	19	1570
Sand flounder	<i>Rhombosolea plebeia</i>	24	12	16	43	108	202	53	1	124	158	248	13	2	1004
Trevally	<i>Pseudocaranx dentex</i>	9	2	47	55	55	19	37	53	9	21	14	7	14	342
Spotty	<i>Notolabrus celidotus</i>	16		6	17	39	72	33	12	56	50	22		4	327
Blue mackerel	<i>Scomber australasicus</i>	12	1	1	71	29	23	37	21	12	9	11	2	18	247
Rig	<i>Mustelus lenticulatus</i>	15	16	2	15	46	39	14	37	20	6	9	7	2	228
Barracouta	<i>Thyrsites atun</i>	14		2	3	24	20	4		56	8	10	44	33	218
Broad squid	<i>Sepioteuthis bilineata</i>	4	7	3	54	12	39	27	22	3		1	21	14	207
Leatherjacket	<i>Parika scaber</i>	4		20	26	2	23	30	11	15	10	9	7	15	172
Spotted stargazer	<i>Genyagnus monopterygius</i>	15	2	3	22	28	13	19		22	15	17	10		166
Kahawai	<i>Arripis trutta</i>	13	1	7	50	13	19	7	14	7	5	14	7	3	160
Red mullet	<i>Upeneichthys lineatus</i>	53		1	7	14	28	14	10	11	8			2	148
Yellow-belly flounder	<i>Rhombosolea leporina</i>			13	5	19	56	7		10	10	7			127
Eagle ray	<i>Myliobatis tenuicaudatus</i>	17	1		12	5	1	32	6	8	8	2	5	5	102
Arrow squid	<i>Nototodarus sloanii</i>	17	1	1	14		14		25	2	7	8	5	4	98
Jack mackerel spp.	Jack mackerel spp.		22		69										91
Pilchard	<i>Sardinops neopilchardus</i>	26	3		5		7	2	5	10	6	11		14	89
Opalfish	<i>Hemerocoetes spp.</i>	16			12	18	27			14					87
Parore	<i>Girella tricuspidata</i>		1	8	2		10	14	13	8	12	11	2	3	84
Lemon sole	<i>Pelotretis flavilatus</i>	4			3	16	20	3		14	2	7			69
Yellow-eyed mullet	<i>Aldrichetta forsteri</i>	10	3		7	8	3	4	21	1		10			67
Ahuru	<i>Auchenoceros punctatus</i>	24				3	2			21					50

Grey mullet	<i>Mugil cephalus</i>				26	12			11						49
Anchovy	<i>Engraulis australis</i>	26			4			5	3	5				1	44
FLO	Flounder spp.									32					32
Long-tailed stingray	<i>Dasyatis thetidis</i>	8						2	1	4	1		8		24
Crested flounder	<i>Lophonectes gallus</i>	2			3	8	9			1					23
School shark	<i>Galeorhinus australis</i>	3	3		3	1	4				2			1	17
Blue cod	<i>Parapercis colias</i>	1			5		3				1	3	1		14
English sole	<i>Peltorhamphus novaezeelandiae</i>					2	1			4		7			14
Kingfish	<i>Seriola lalandi</i>			7	2		2		2						13
Hammerhead shark	<i>Sphyrna zygaena</i>	4			8										12
Squid	<i>Notodarus gouldii</i>					2		7							9
Speckled sole	<i>Peltorhamphus latus</i>	1			1	3	4								9
Jack mackerel	<i>Trachurus declivis</i>											8			8
Porae	<i>Nemadactylus douglasii</i>				1	2	4	1							8
Short-tailed ray	<i>Dasyatis brevicaudata</i>							2			1		3		6
Blue warehou	<i>Seriolella brama</i>		1			3									4
Sprat	<i>Sprattus antipodum</i>	3													3
Smooth skate	<i>Raja innominata</i>											1	2		3
STG	<i>Stargazer spp.</i>				3										3
Boarfish								1				1			2
Garfish	<i>Hyporhamphus ihi</i>							2							2
Giant stargazer	<i>Kathetostoma giganteum</i>			1		1									2
Stingray	<i>Stringray spp.</i>				2										2
Butterfly perch	<i>Caesioperca lepidoptera</i>							1							1
Conger eel	<i>Conger spp.</i>				1										1
Rock lobster	<i>Jasus edwardsii</i>									1					1
Red cod	<i>Pseudophycis bachus</i>				1										1
Rough skate	<i>Raja nasuta</i>											1			1
Witch	<i>Arnoglossus scapha</i>								1						1
Grand Total		1704	1201	1351	3426	2022	2208	2441	1894	2150	1441	1642	1064	1049	23593

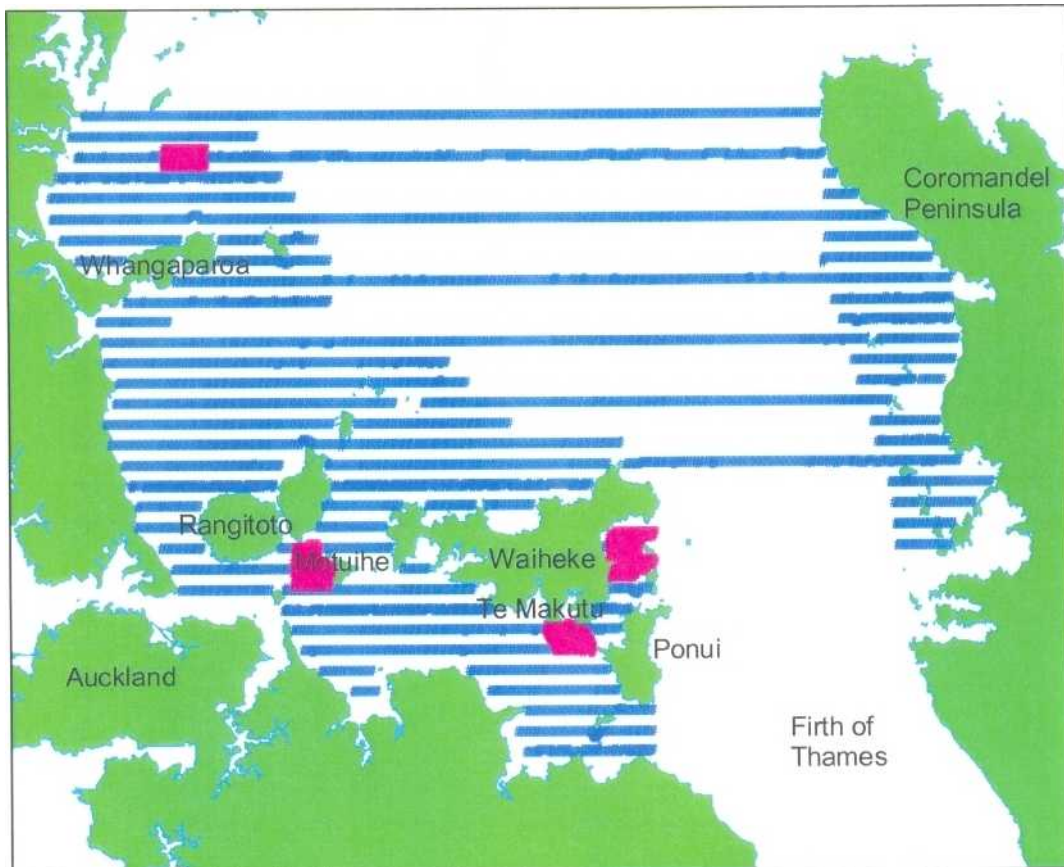


Figure 1: QTC View runlines for the Hauraki Gulf. Phase 1 runlines in blue, phase 2 in purple