

Appendix Table-10b Catch by Bottom Long Line (Sokohaenawa).

Catches by Bottom Long Line (SOKOHAENAWA)

Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Pcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.	kgPcs.
<i>Auxis thazard</i>														2 1.5
<i>Brotula clarkae</i>														
<i>Caranx Vinctus</i>														
<i>Carangoides otrynter</i>														
<i>Caulo latilus affinis</i>					1 0.5			1 0.4	4 3.0	5 4.3				1 0.2
<i>Coryphaena hippurus</i>														
<i>Diplectrum euryplectrum</i>														
<i>Epinephelus acanthistius</i>														
<i>Epinephelus dioxvii</i>														
<i>Epinephelus nigritus</i>										3 2.5	5 2.5			
<i>Epinephelus niveatus</i>						2 2.0					3 18.5			
<i>Gymnothorax equatorialis</i>				2 0.6		1 0.3								
<i>Hemanthias signifer</i>						1 0.3					3 0.8			
<i>Hemanthias peruanus</i>														
<i>Katsuwonus pelamis</i>													1 2.2	
<i>Lutjanus peru</i>			1 1.5	2 1.4			8 15.4	1 0.7			1 2.2			
<i>Mustelus lunulatus</i>			4 7.3	2 5.2										
<i>Opichthus pacificus</i>					1 0.3									
<i>Paralabrax loro</i>								2 1.3						
<i>Pomadoury macracanthus</i>														
<i>Pontinus furcichinus</i>						3 0.6								
<i>Pontinus sierra</i>														
<i>Sarda chiliensis</i>			3 7.1											
<i>Sarda orientalis</i>								2 5.7						4 3.7
<i>Seriola rivoliana</i>				1 1.9			1 2.3	1 2.6						
<i>Serranus aequidens</i>														
<i>Thunnus albacores</i>			8 31.4	1 4.0			1 4.3	8 31.0						
Others				1 0.3		1 1.2								
Total catches (Pcs. kg)	0	0	16 47.3	9 13.4	1 0.3	9 4.9	10 22.0	14 41.3	1 0.4	7 5.5	17 28.3	0	1 2.2	7 5.4

Catches by Bottom Long Line (SOKOJINAWA)

Species	15	16	17	18	19	20	21	22	23	24	25	26	Total
	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg	Pcs. kg
<i>Auxis thazard</i>													2 1.5
<i>Brotula clarkae</i>													
<i>Caranx vinctus</i>													
<i>Carangoides otrynter</i>													
<i>Caulolatilus affinis</i>	3 3.8	3 1.9	1 0.7			10 12.6			2 1.1	1 0.9	2 1.4	1 0.5	35 31.3
<i>Coryphaena hippurus</i>													
<i>Dipllectrum eurylectrum</i>										1 0.1			1 0.1
<i>Epinephelus acanthistius</i>						1 0.3							1 0.3
<i>Epinephelus dioxvii</i>													
<i>Epinephelus nigritus</i>									2 1.2				2 1.2
<i>Epinephelus niveatus</i>						8 9.4							8 9.4
<i>Gymnothorax equatorialis</i>													3 0.9
<i>Hemanthias signifer</i>													11 3.4
<i>Hemanthias peruanus</i>													
<i>Katsuwonus pelamis</i>						1 5.0							2 7.2
<i>Lutjanus Peru</i>	2 5.2												15 26.4
<i>Mustelus lunulatus</i>													6 12.5
<i>Opichthus pacificus</i>							1 0.2			1 0.2			3 0.7
<i>Paralabrax loro</i>	3 2.0	2 0.8											7 4.1
<i>Pomadourus macracanthus</i>													
<i>Pontinus furcicinus</i>										3 1.1			6 1.7
<i>Pontinus sierra</i>													
<i>Sarda chiliensis</i>		1 1.8											10 18.3
<i>Sarda orientalis</i>		2 4.1											4 9.0
<i>Seriola rivoliana</i>													1 1.9
<i>Serranus aequidens</i>													
<i>Thunnus albacores</i>												2 10.7	20 81.4
<i>Others</i>													2 1.5
Total catches (Pcs. kg)	10 15.1	6 4.5	1 0.7	0	0	24 28.6	3 0.8	0	2 1.1	7 3.6	4 1.7	3 1.2	152 238.3

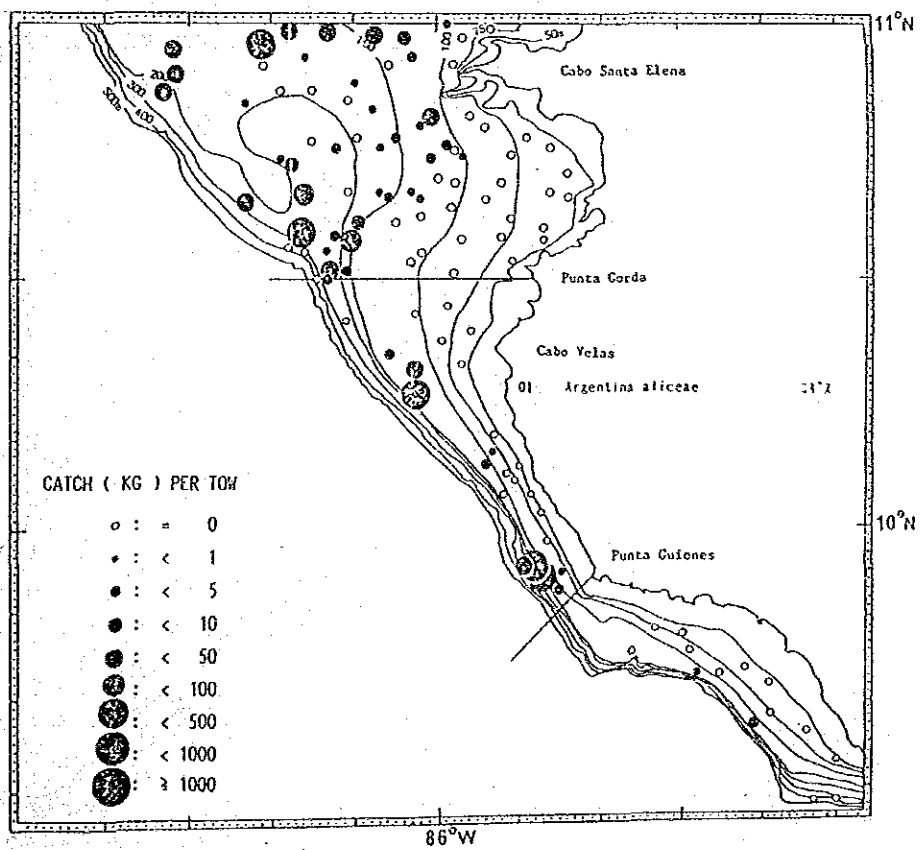
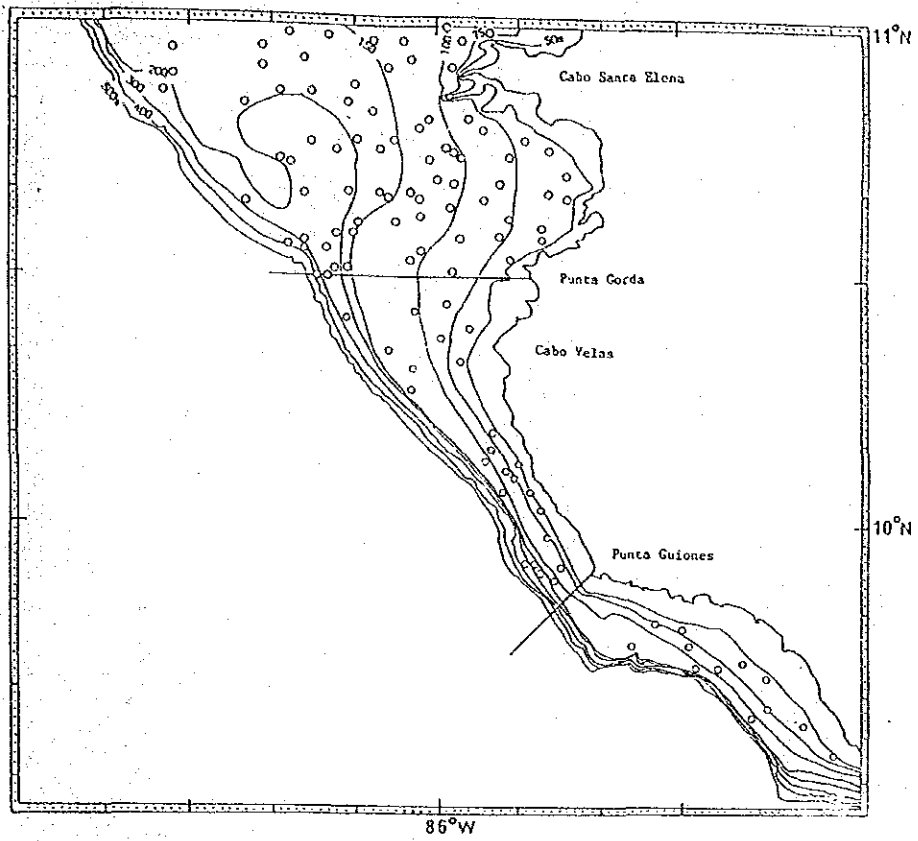
Catches by Shrimp Pot, 1988

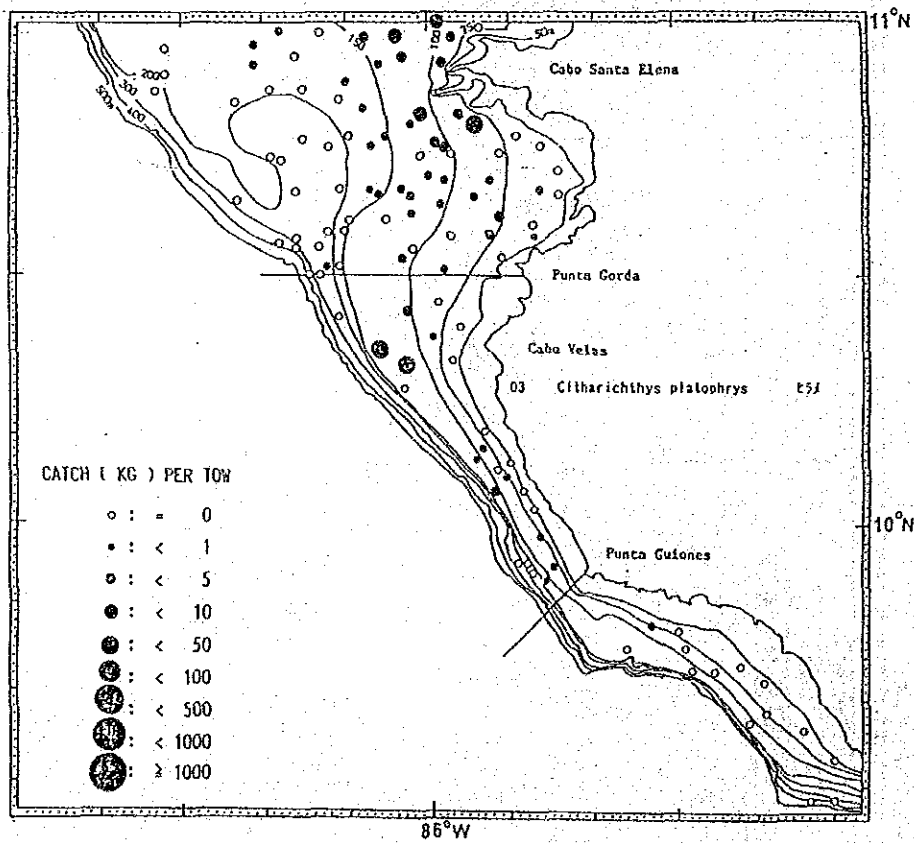
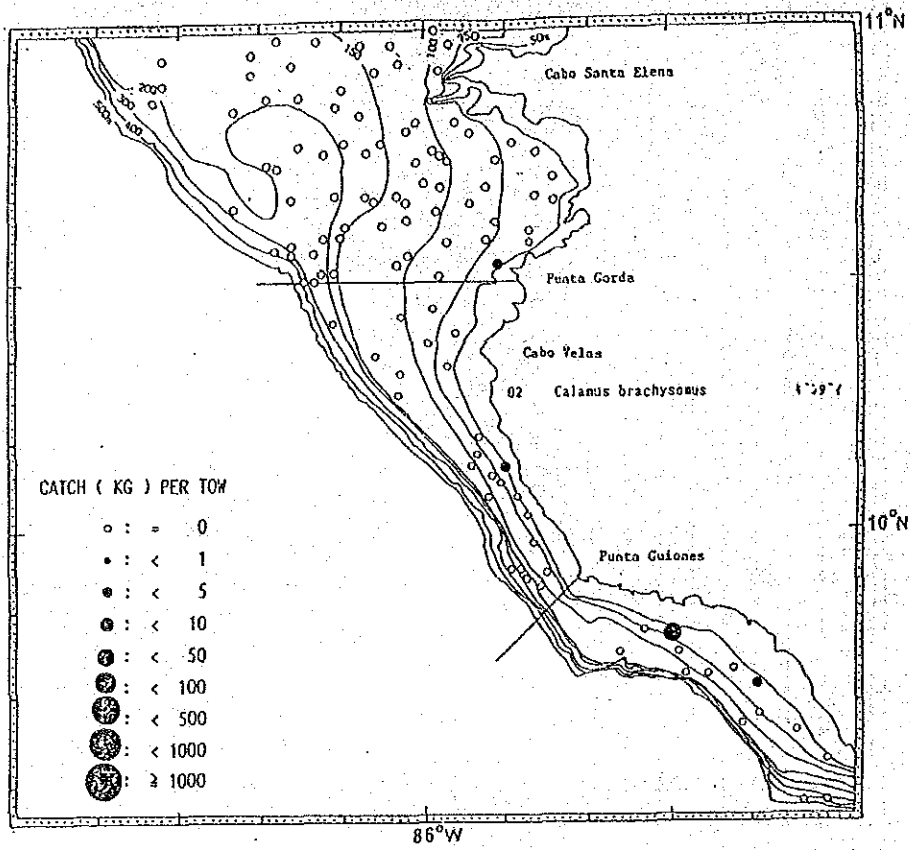
Species	1	2	3	4	5	6	7	8	9	10	11	12
Crustacea												
Heterocarpus sp.												
Penaeus brevirostris												
Pleuromnecodes sp.												
Squilla sp.					0.1							
Callinectes sp.		2.6										
Calappidae sp.	0.2	0.1	0.2	0.4	0.4	0.2		0.1	0.8	1.5	0.3	
Illiacantha sp.												
Malidae sp.	3.1	8.3	19.9	4.7		1.5	3.1	8.0	11.8	1.8		
Portunidae sp.						0.2		0.1		0.1		
Caracoles sp.	0.2	2.2										
Octopodidae sp.												
Pegularia sp.				3.1					0.1			
Others		2.4						0.1				
Pisces												
Brotula clarkae			0.2						4.2			
Decodon melasma			0.1					0.1				
Diplectrum euryplectrum			0.1	0.4								0.1
Diplectrum labarum												
Diplectrum pacificum		0.2										
Echiophis sp.												
Gymnothorax equatorialis	87.7	2.9	5.7		6.2	52.9	32.6	4.5	44.6	32.5	11.9	5.0
Hemanthias peruanus				0.1								
Hemanthias signifer			0.1	0.1								
Lutjanus peru		0.9										
Myricithus sp.		1.3			2.8							
Opichthus pacificus			0.8	7.5		0.3	0.3		0.9	1.1		
Physiculus nematopus										0.1	0.5	
Pontinus sierra			0.2									
Pronotogrammus eos					0.1							
Serranus aequidens				5.8								
Others			0.1								1.6	
Total Catches (kg)	91.2	20.9	27.4	22.1	9.6	55.1	36.0	12.9	62.4	37.1	14.3	5.1

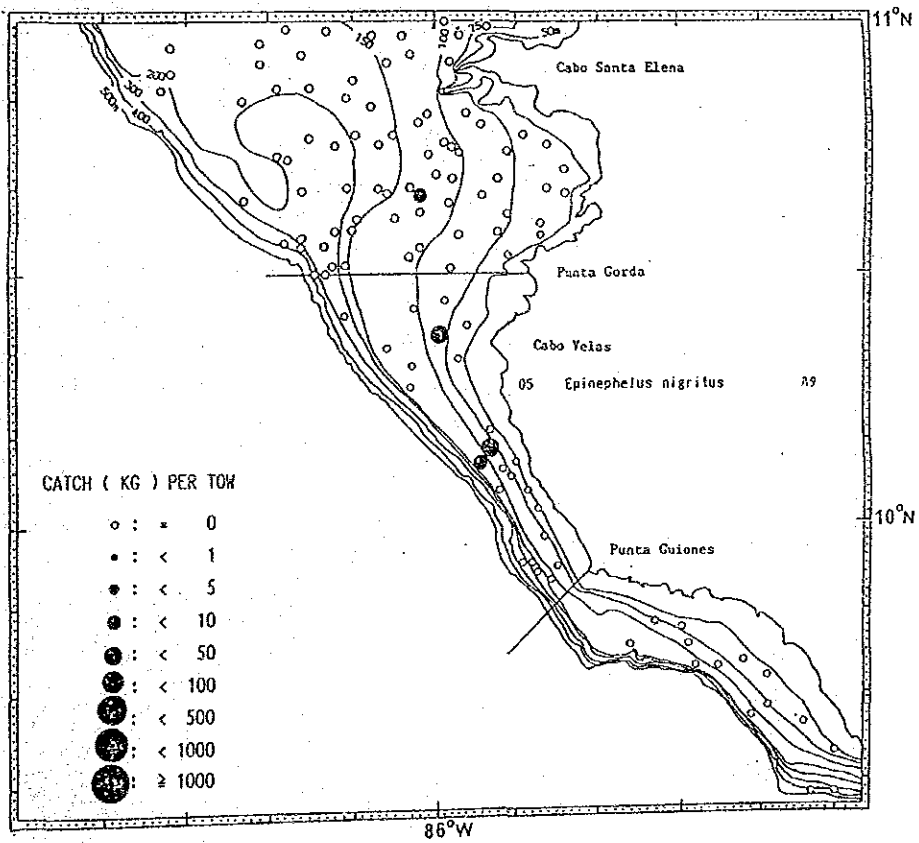
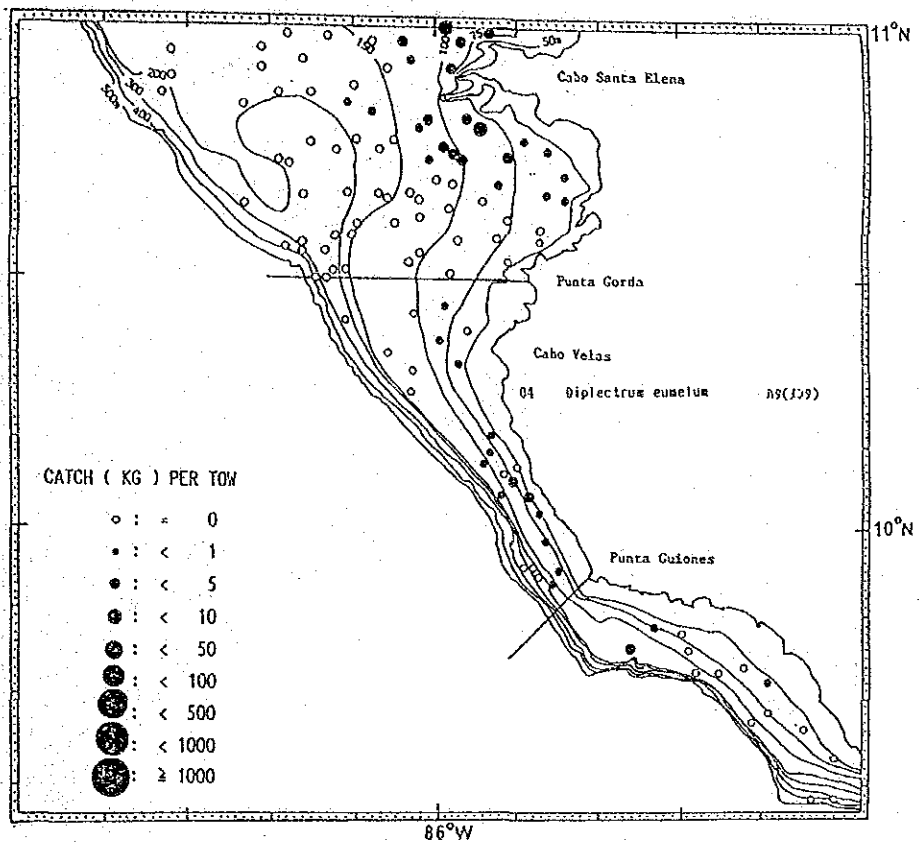
Catches by Shrimp Pot, 1988

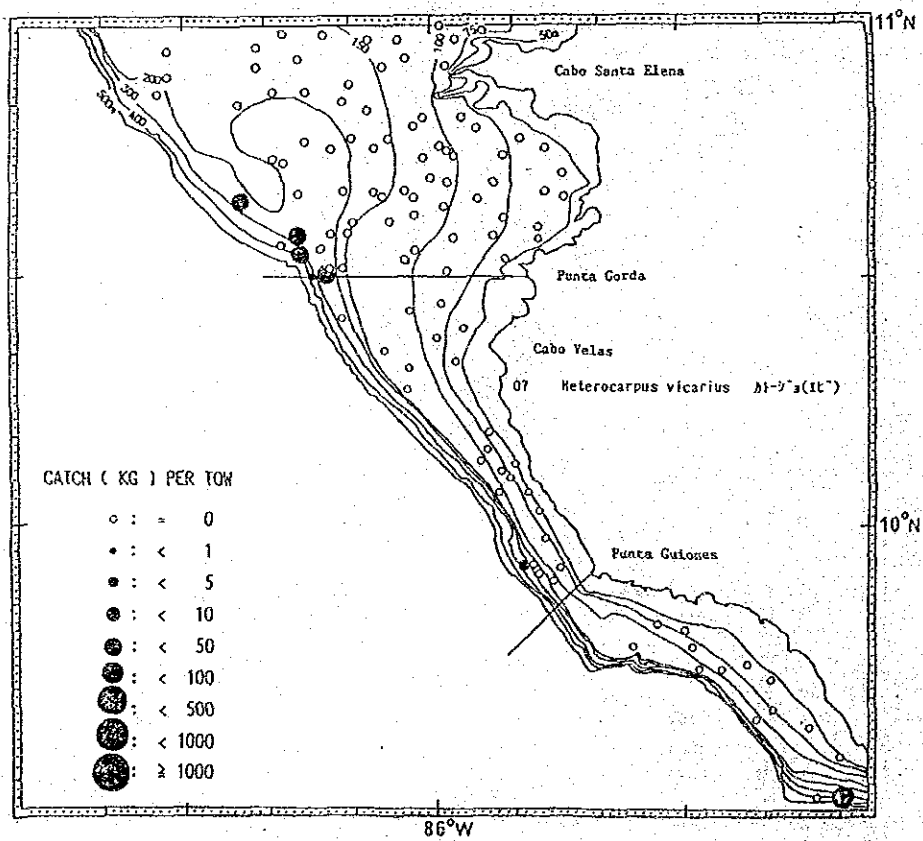
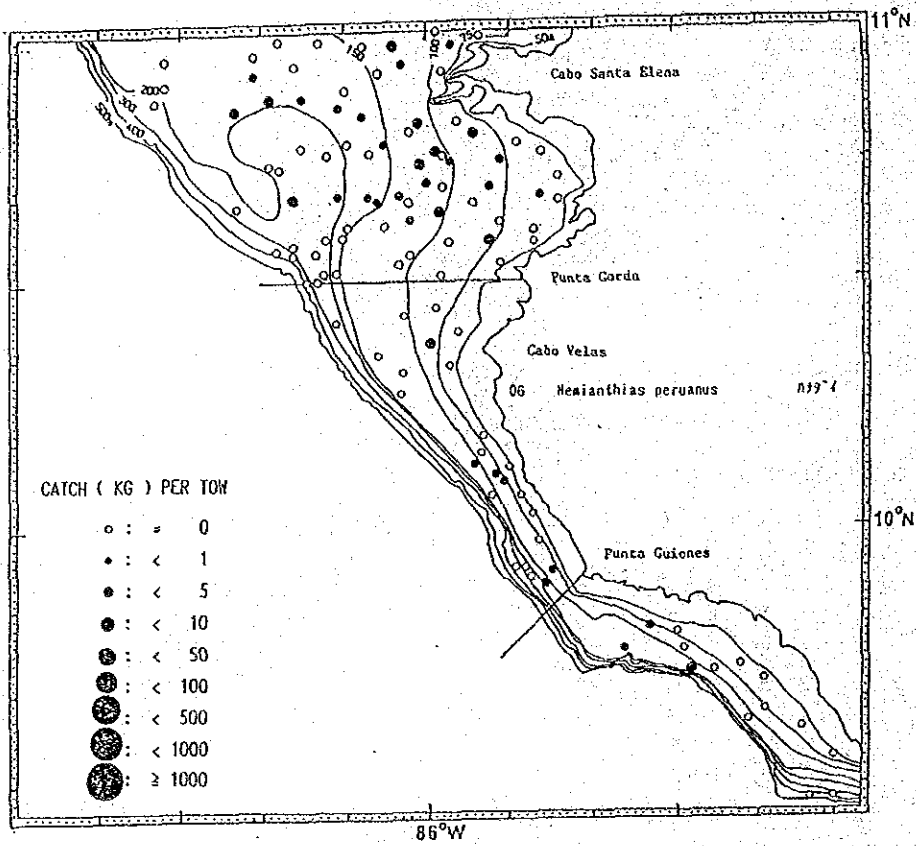
Species	13	14	15	16	17	18	19	20	21	22	23	Total (kg)
Crustacea												
Heterocarpus							10.7	13.7	3.7	9.8	4.8	42.7
Panaeus brevirostris	0.1											0.1
Pleuronectodes sp.							147.9	56.0	13.1	26.2	2.1	245.3
Squilla sp.												0.1
Callinectes sp.	0.8											3.4
Calappidae sp.	4.6					61.9	2.4	0.2	78.9	0.5	113.0	265.7
Illiacantha sp.	0.1	0.1										0.2
Majidae sp.	1.7	0.5										64.4
Portunidae sp.												0.4
Caracoles sp.												2.4
Octopodidae sp.												
Pegularia sp.												3.2
Others	1.6	0.3										4.4
Pisces												
Erotula calrkae				0.2								4.6
Decodon melaswa												0.2
Diplectrum euryplectrum												0.6
Diplectrum labarum	0.5											0.5
Diplectrum pacificum												0.2
Echiophis sp.	0.3		0.2									0.5
Gymnothorax equatorialis	10.0	7.6	52.9	2.0	1.9							360.9
Hemanthias peruanus												0.1
Hemanthias signifer												0.2
Lutjanus peru												0.9
Myrichthys sp.												4.1
Opichthus pacificus	0.4	0.6	0.3	0.4	1.1	5.4	1.1	0.1	1.9	0.2	0.2	22.6
Physiculus nematopus				0.3								0.9
Pontinus sierra												0.2
Prometogramus eos												0.1
Serranus aequidens						0.3						6.1
Others						0.1				1.1	0.4	3.3
Total Catches (kg)	20.1	9.1	53.4	2.9	3.0	67.7	162.1	70.0	97.6	37.8	120.5	1038.3

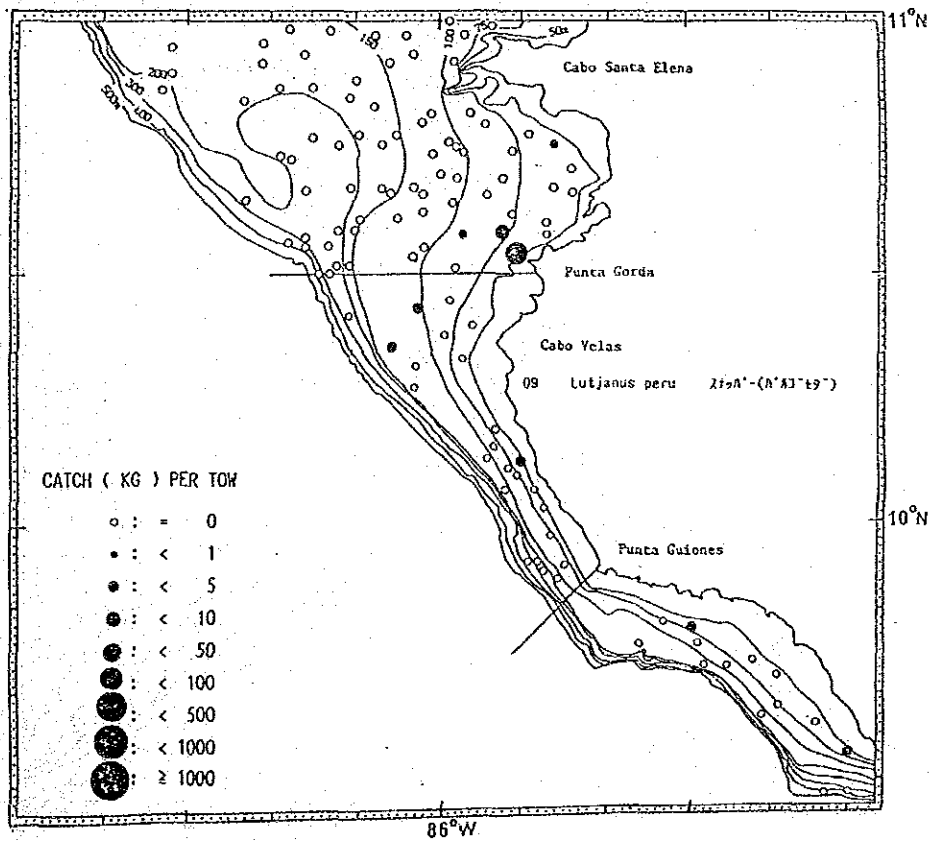
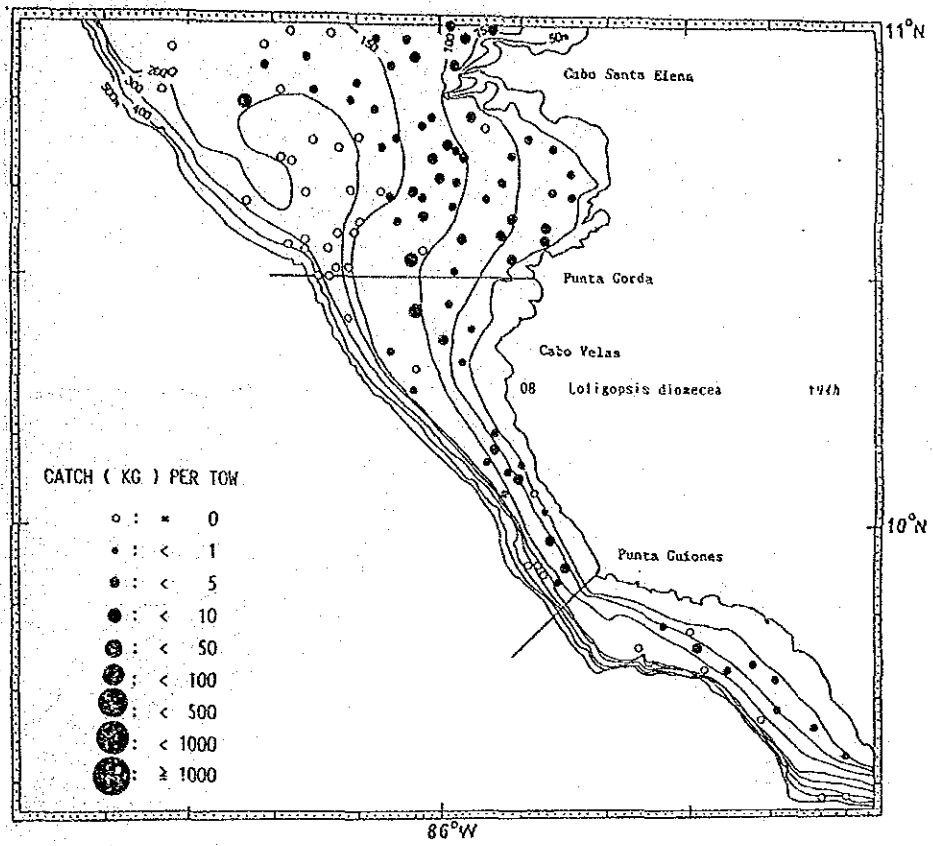
Appendix Fig.-4a Major Fish Species Distribution Chart , Single Trawl (First Round)

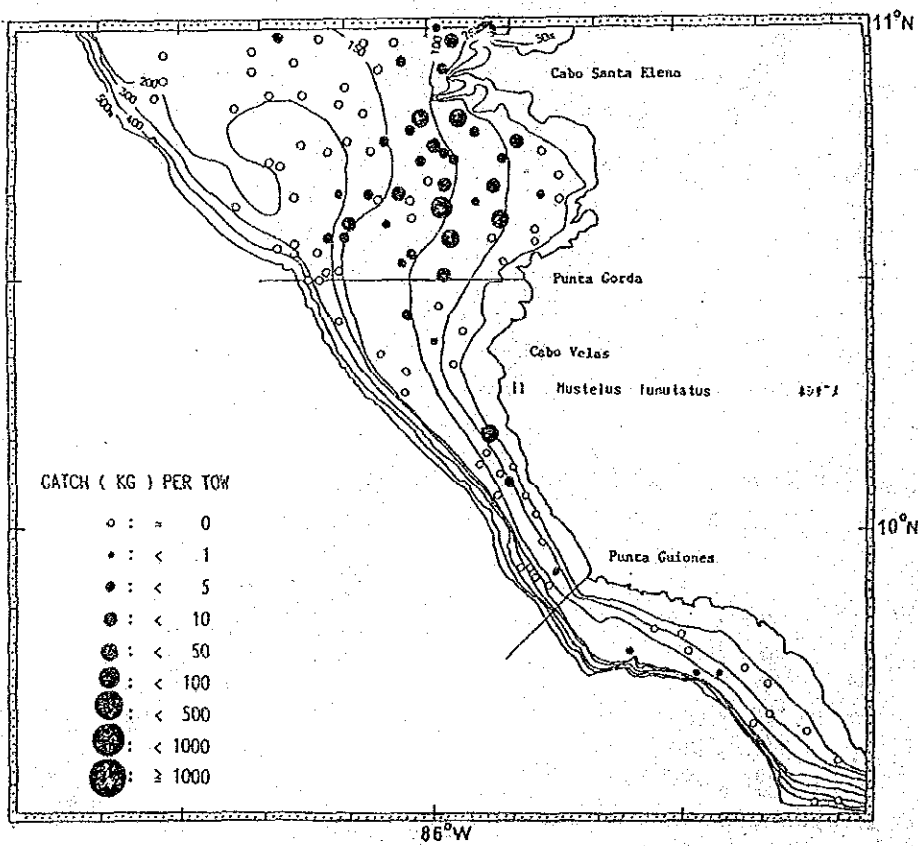
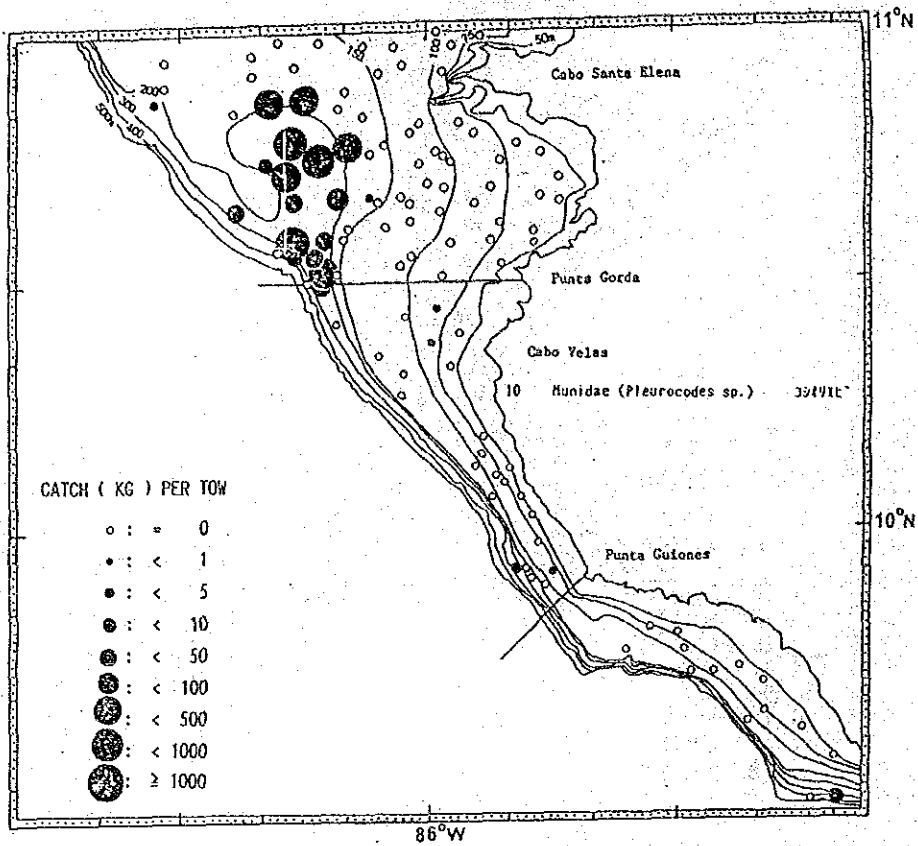


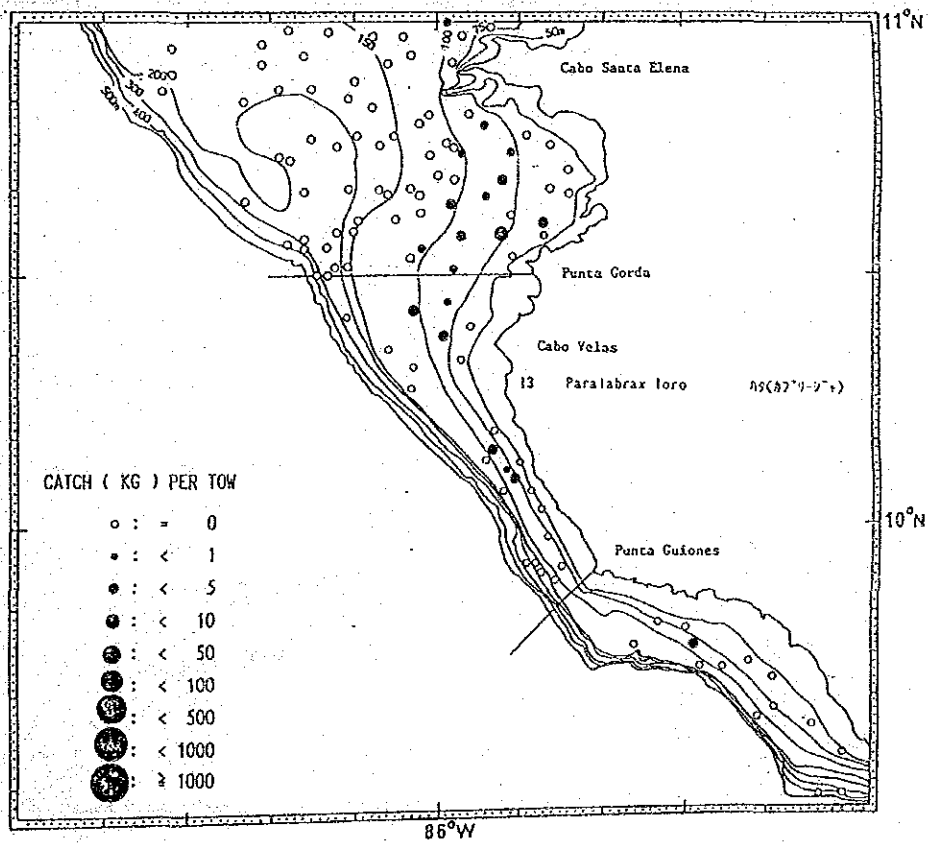
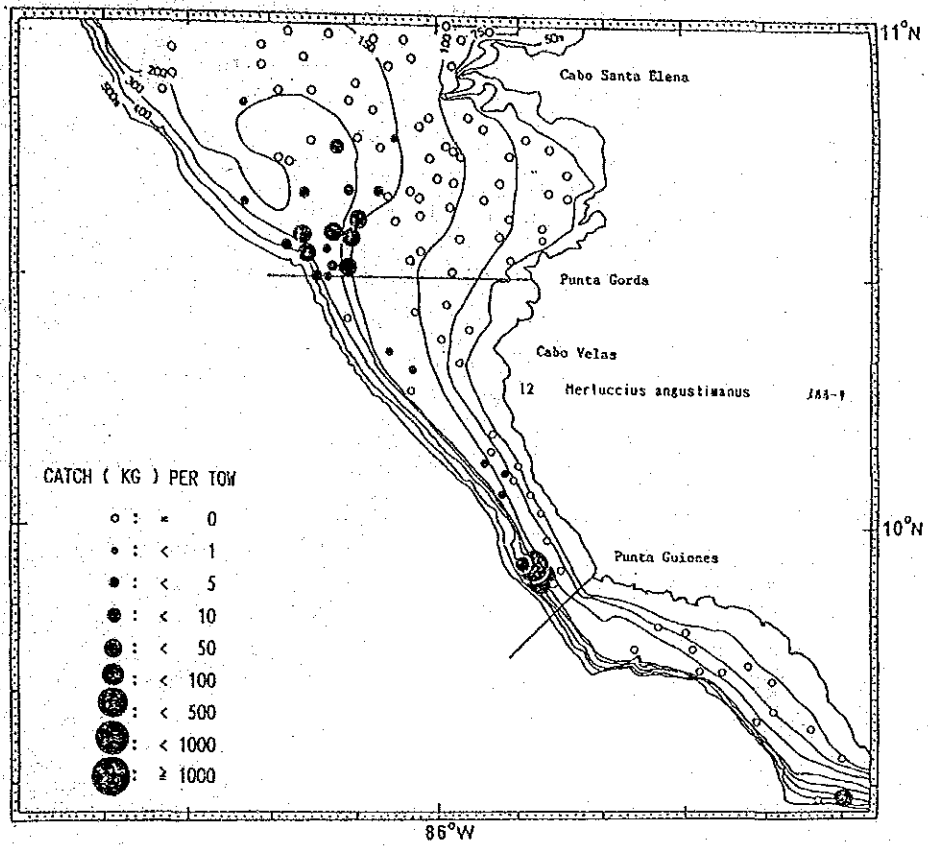


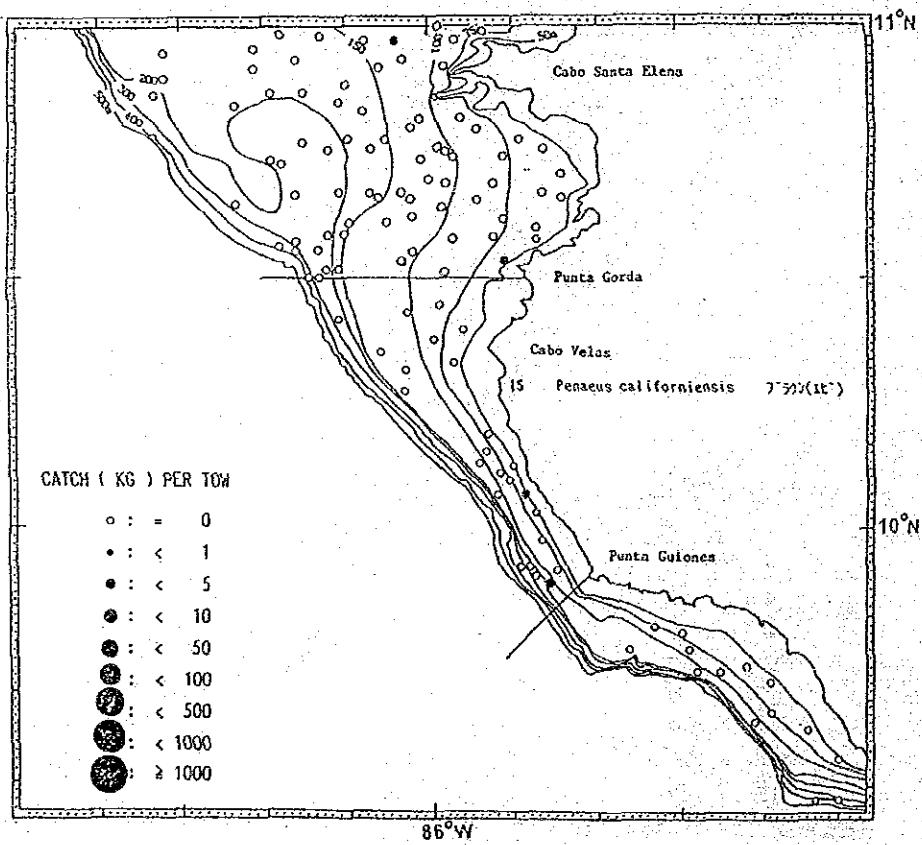
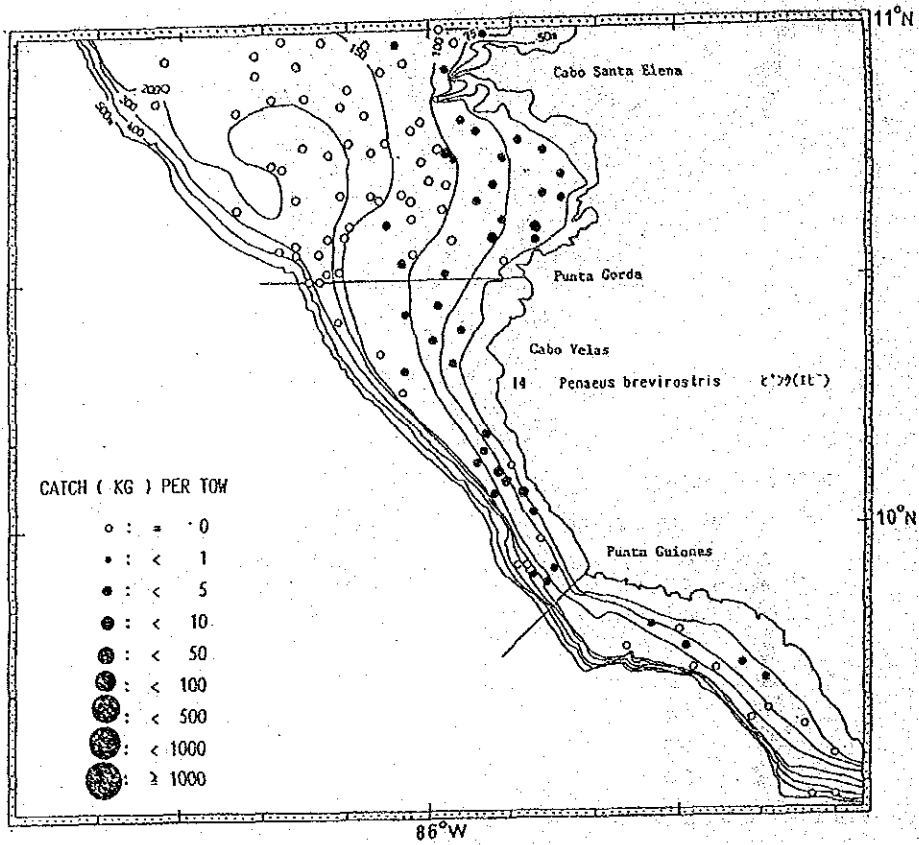


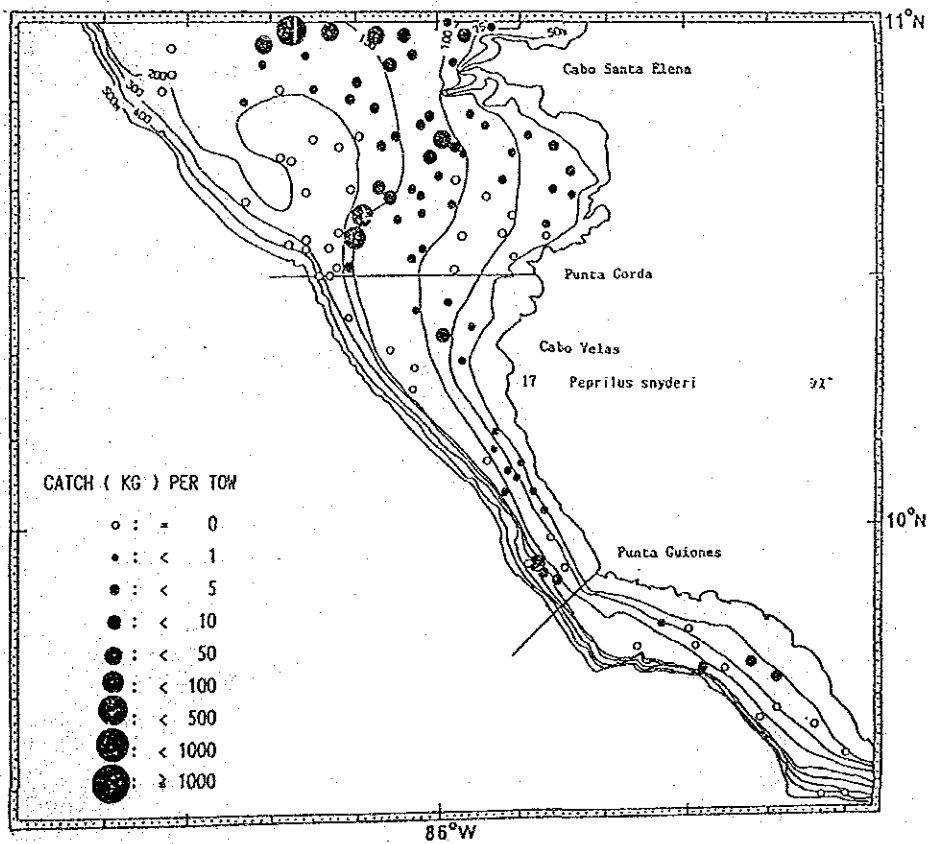
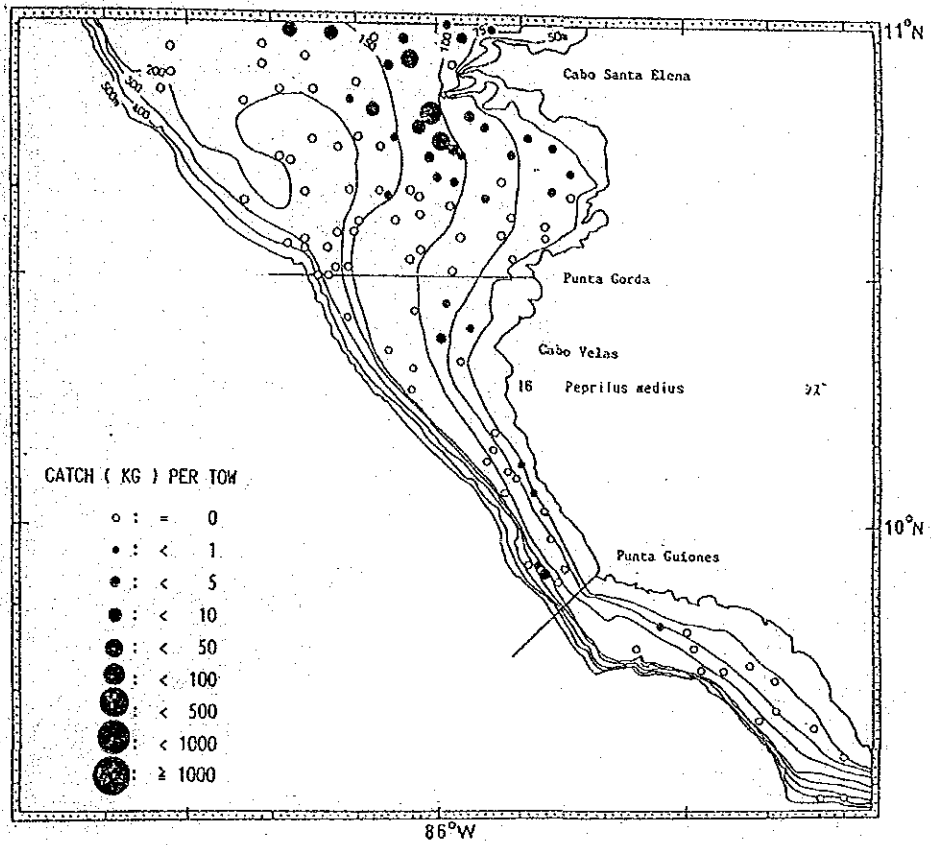


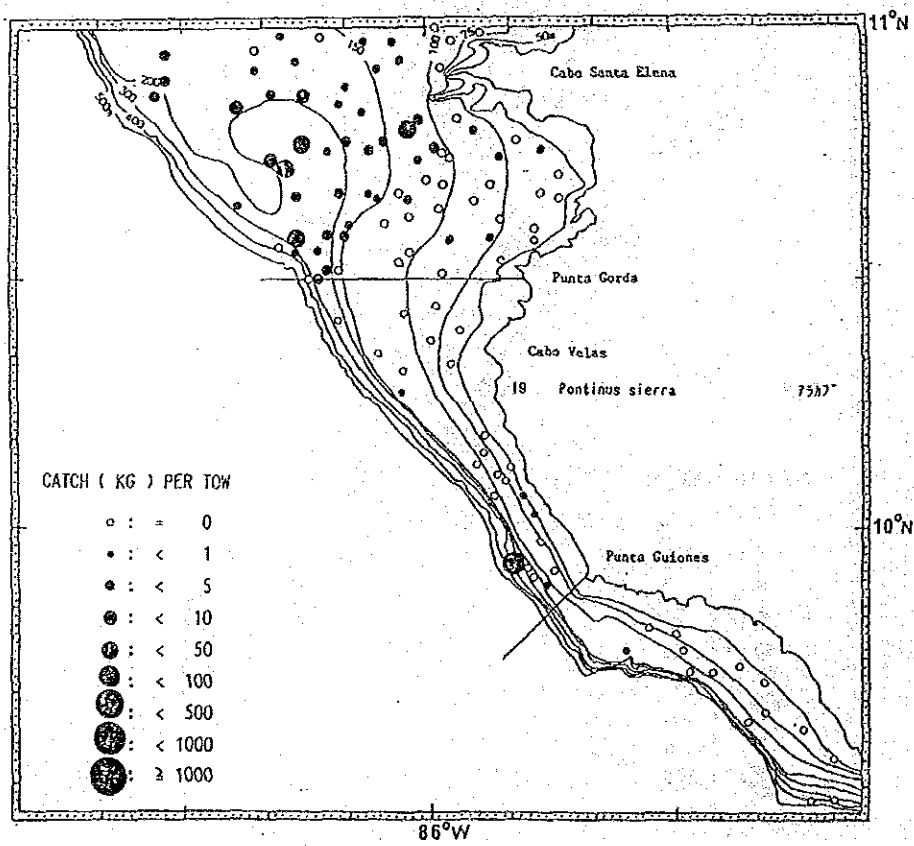
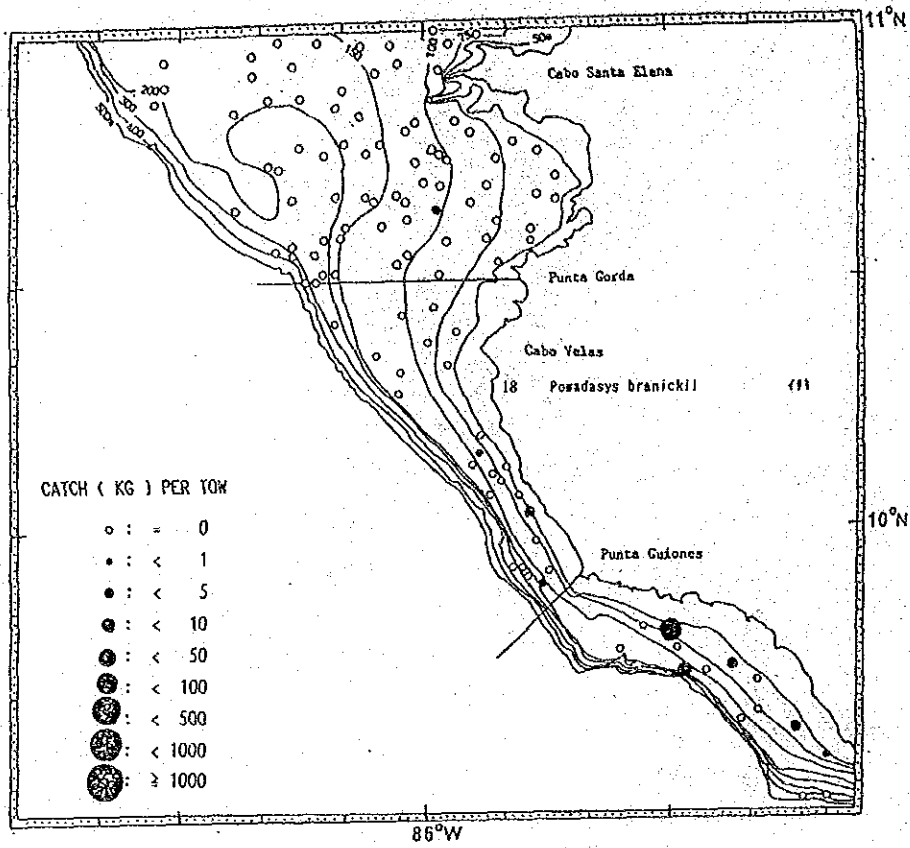


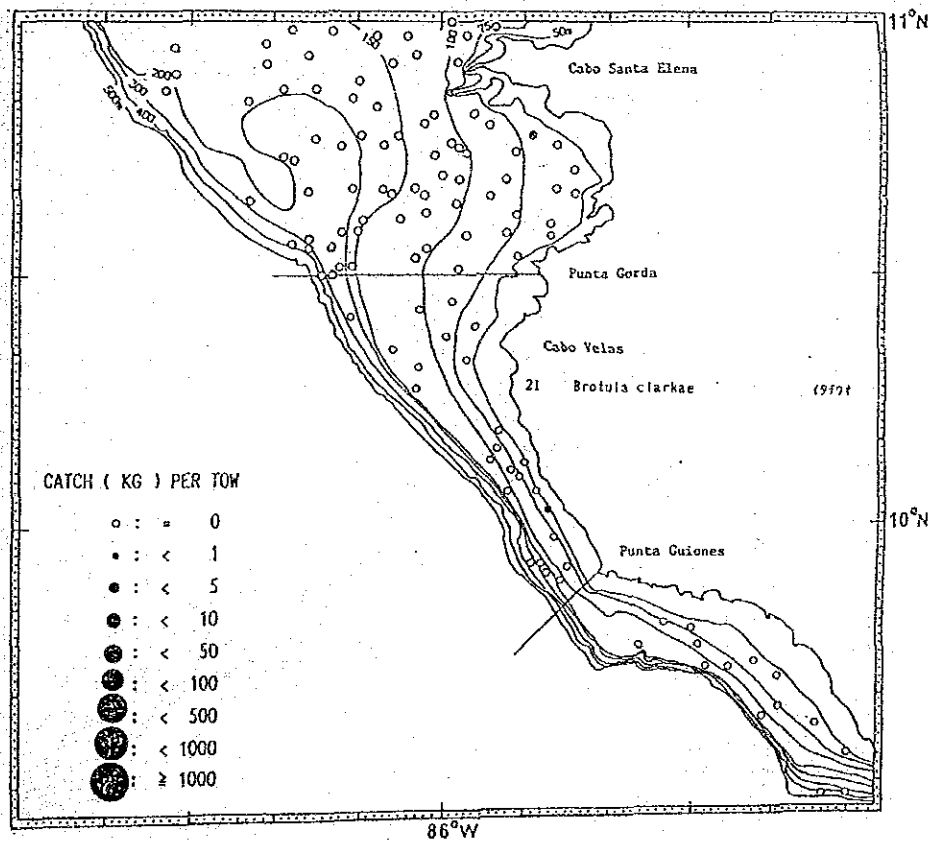
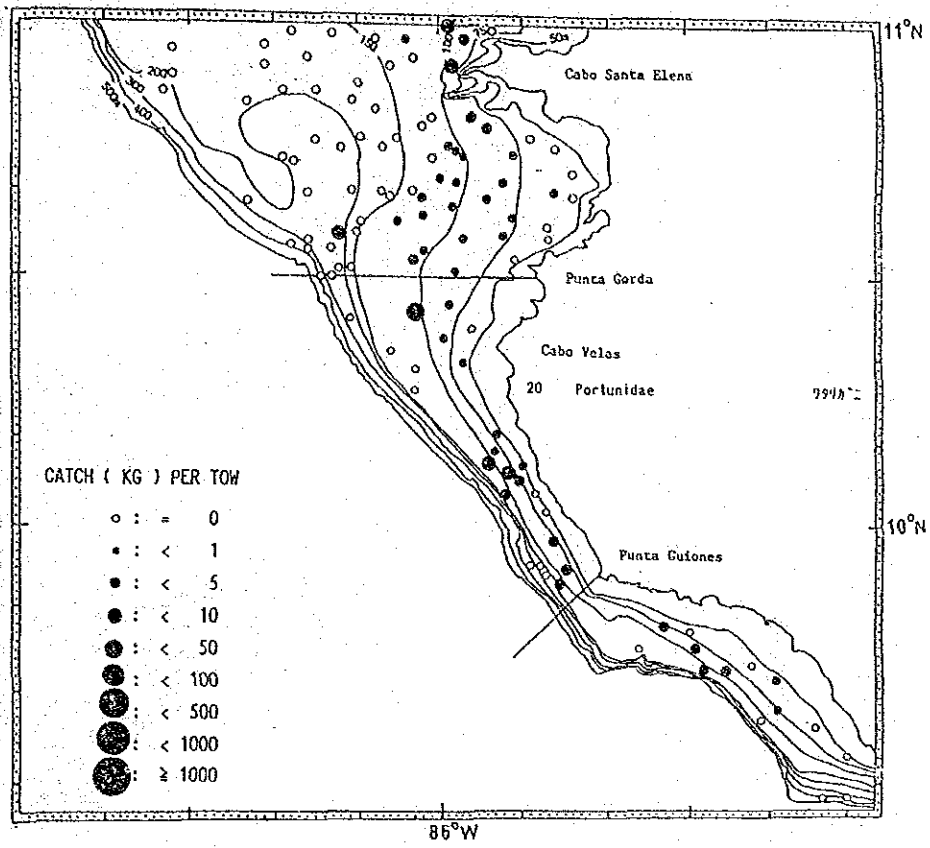


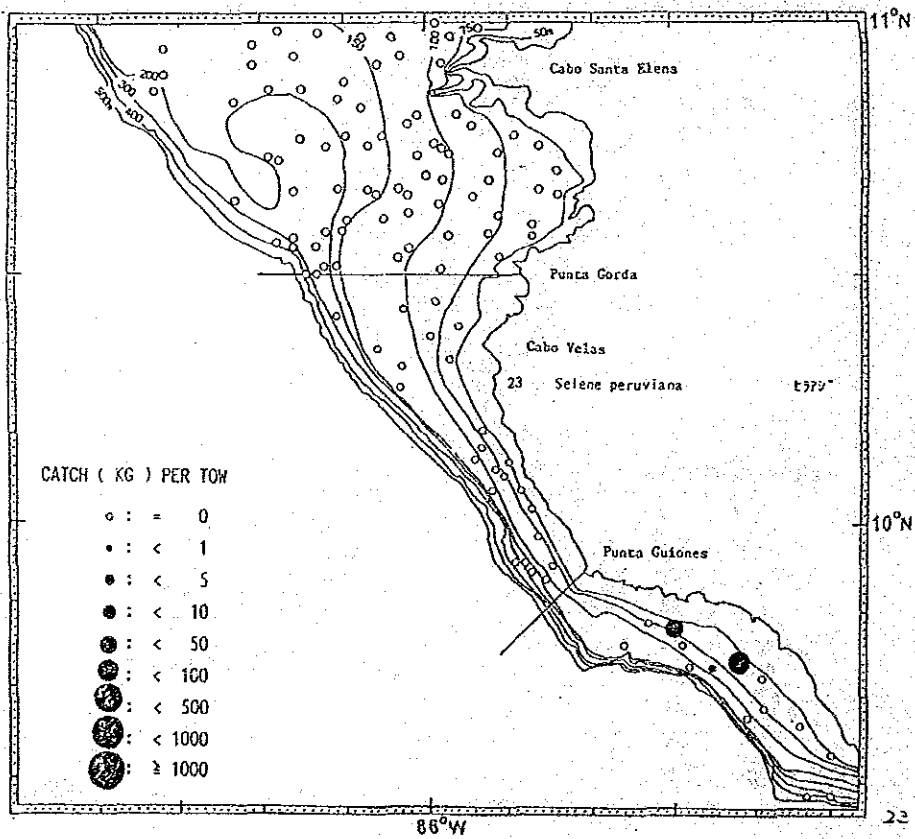
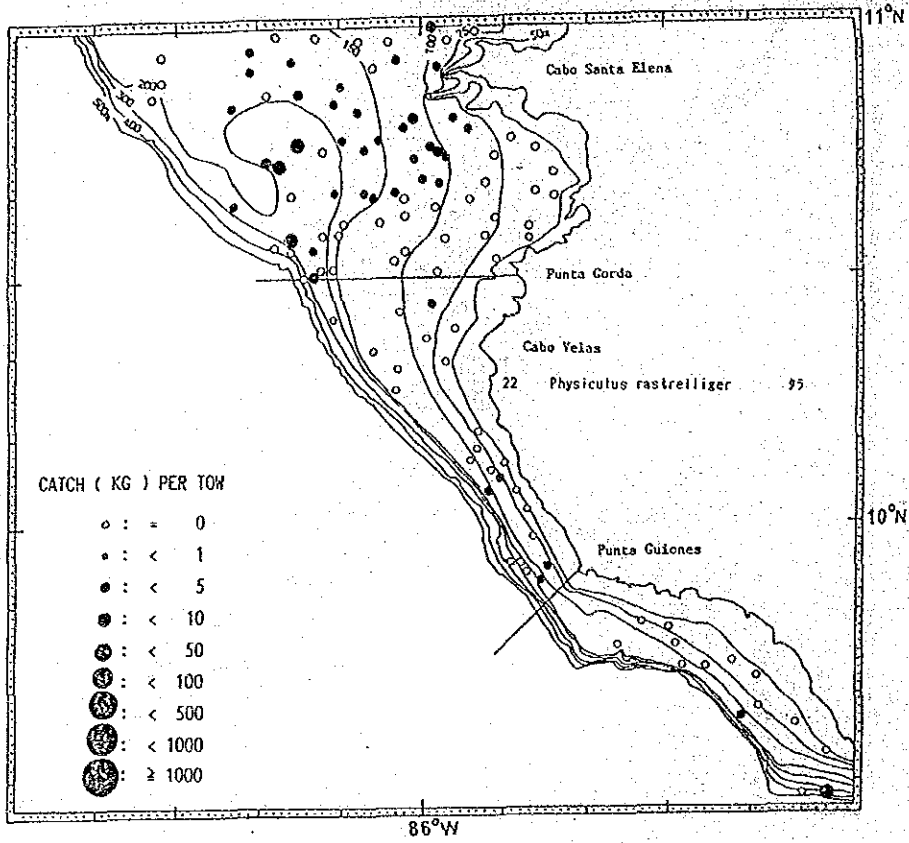


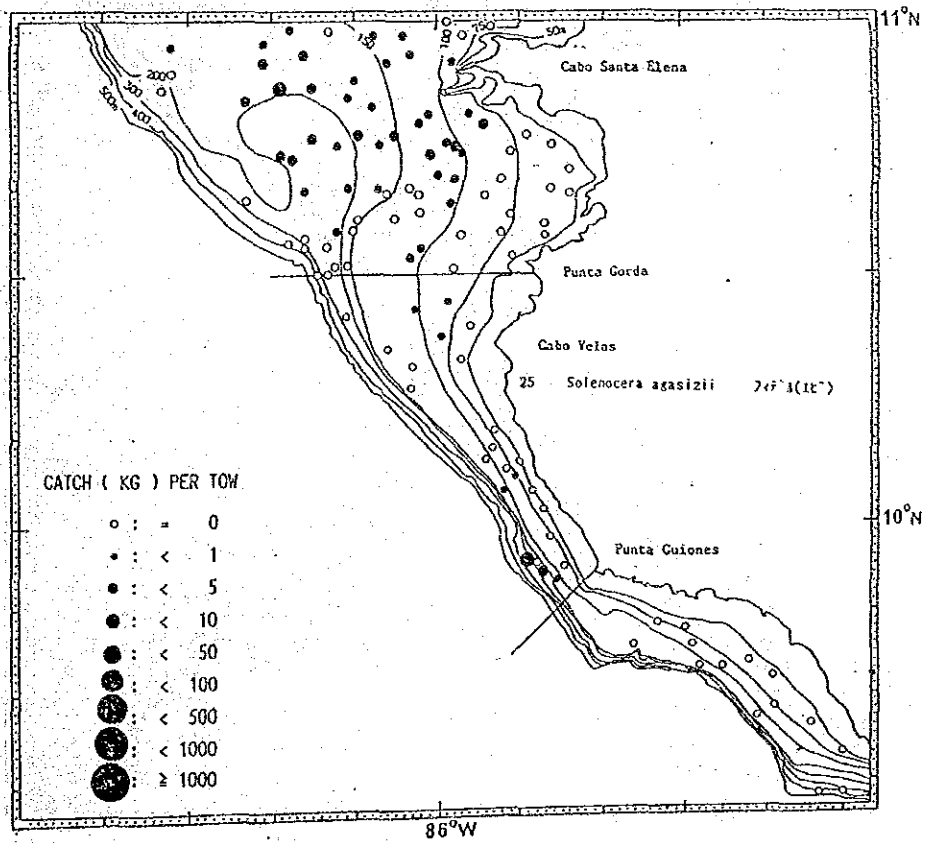
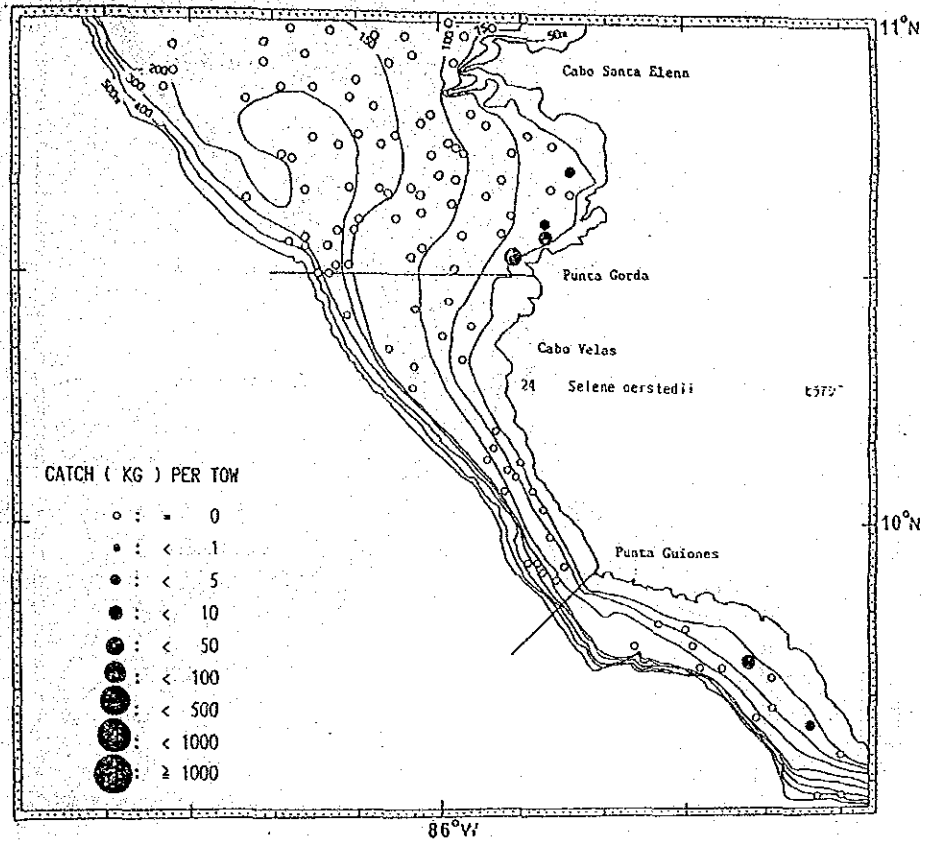


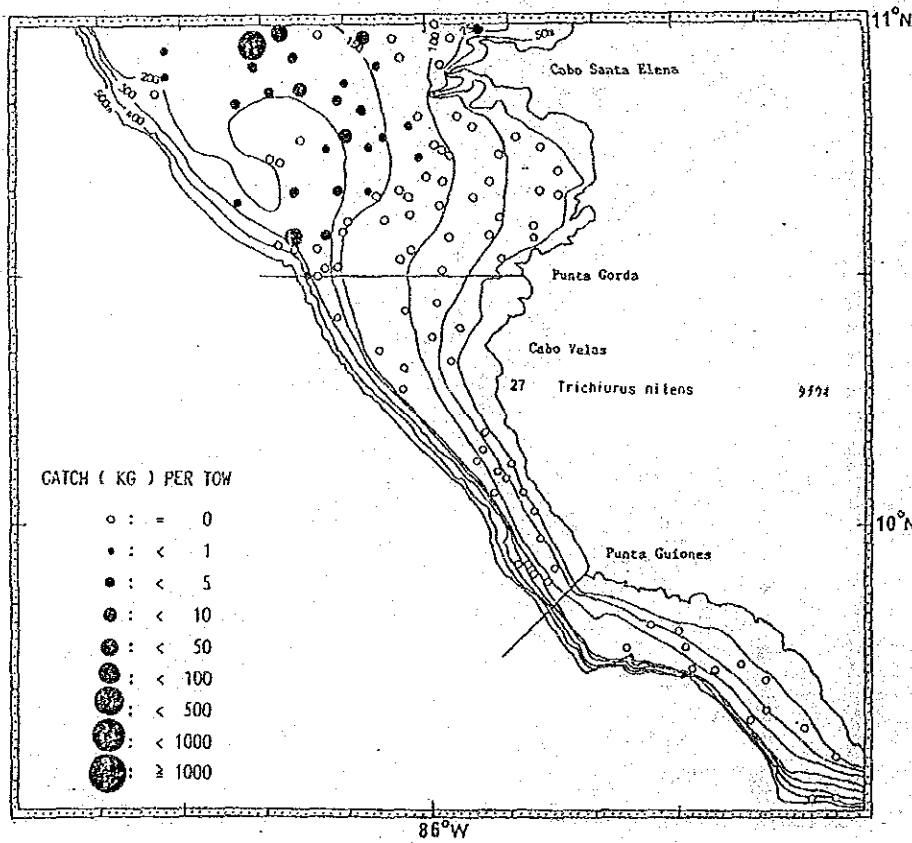
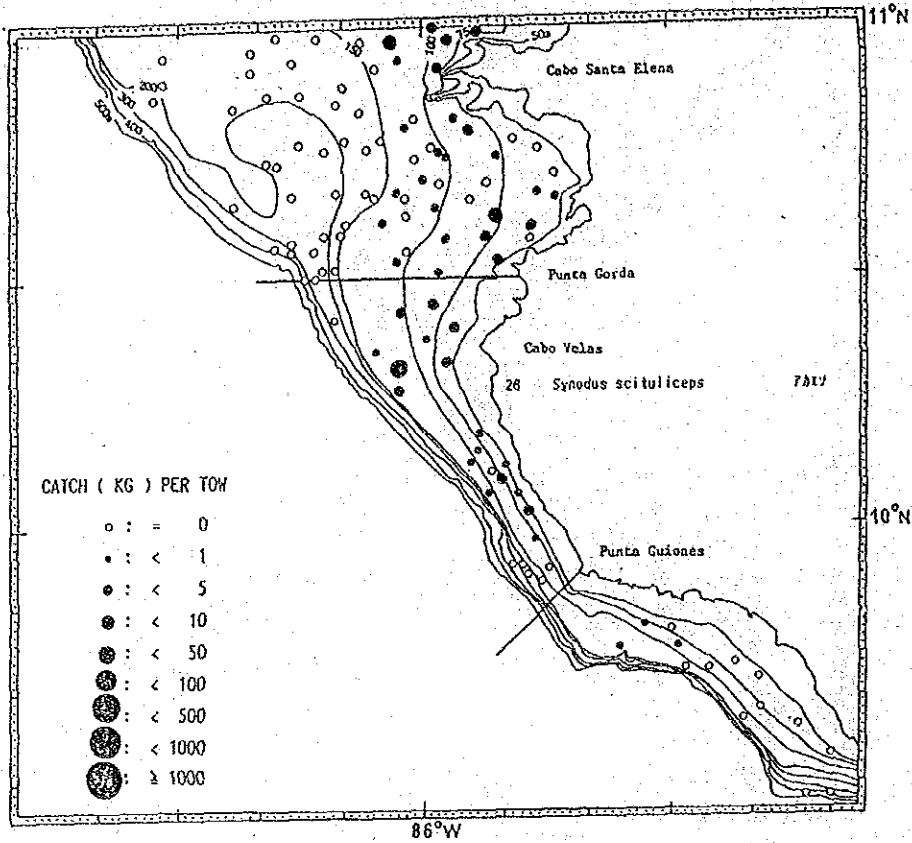


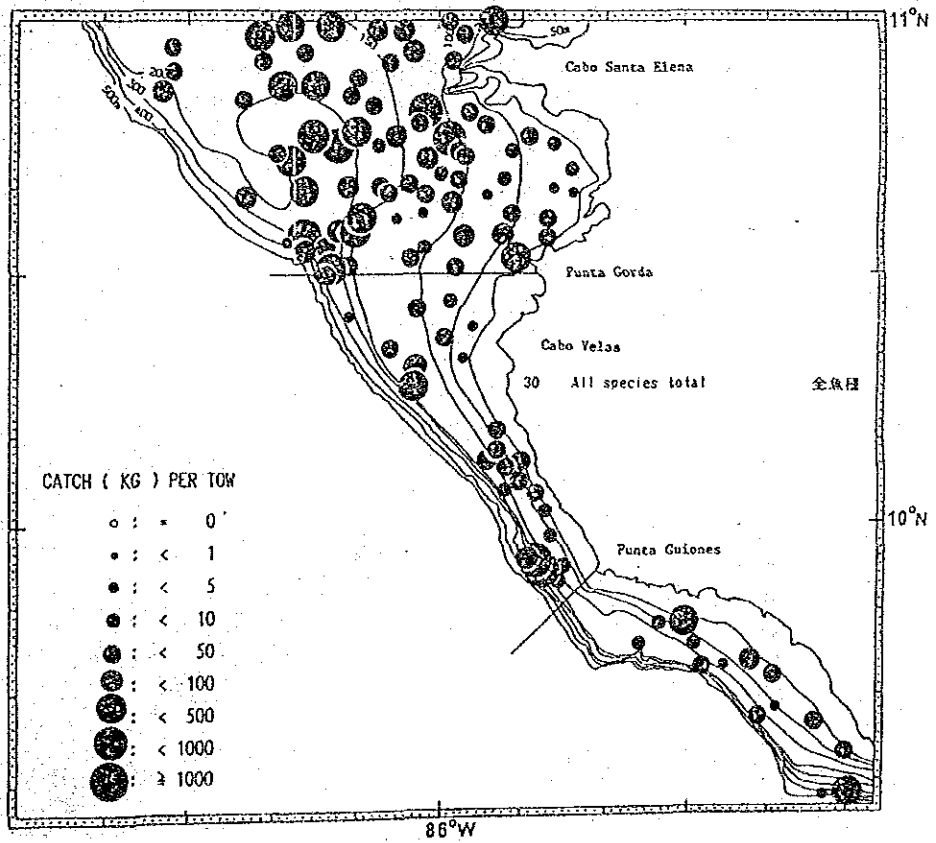
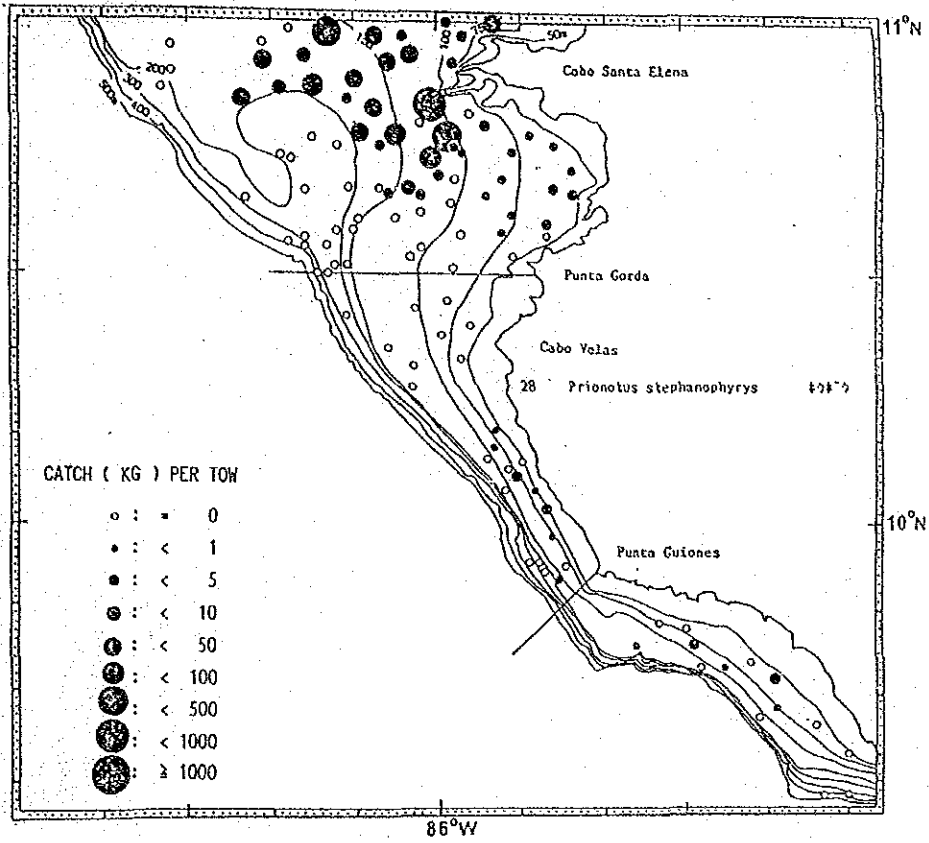




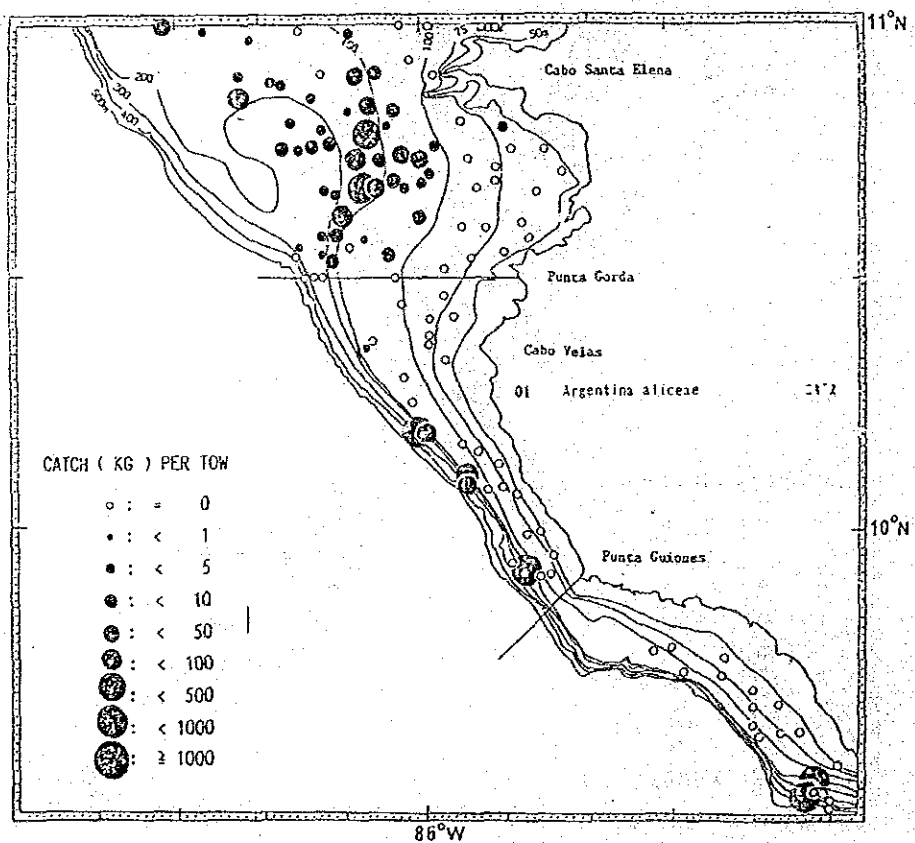
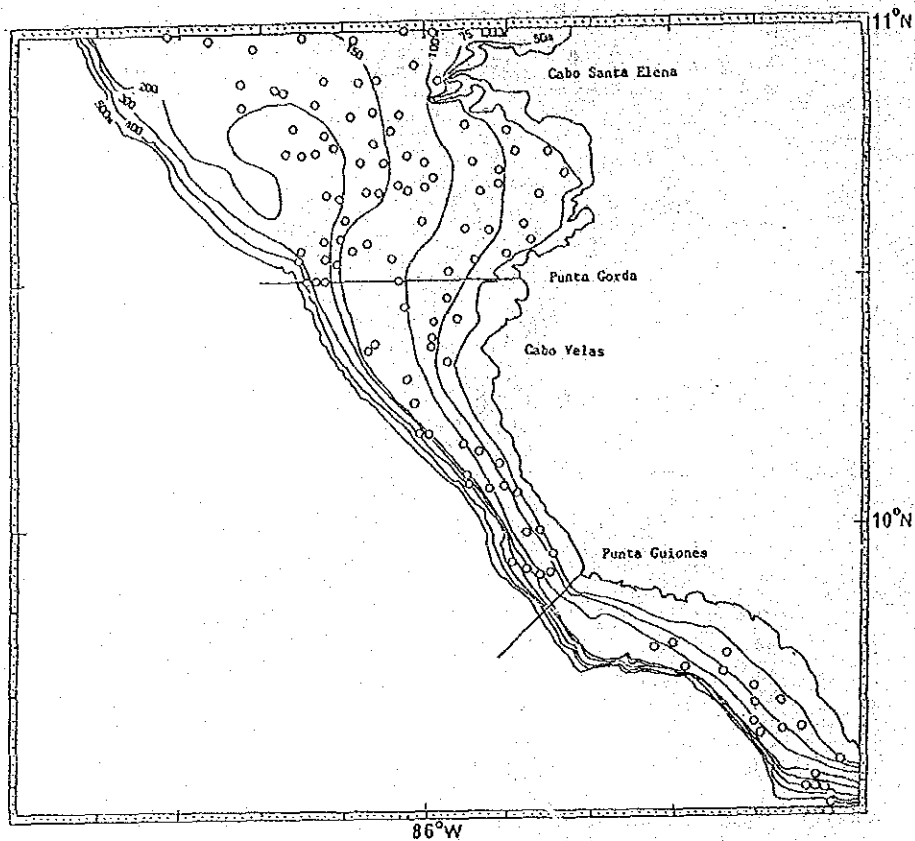


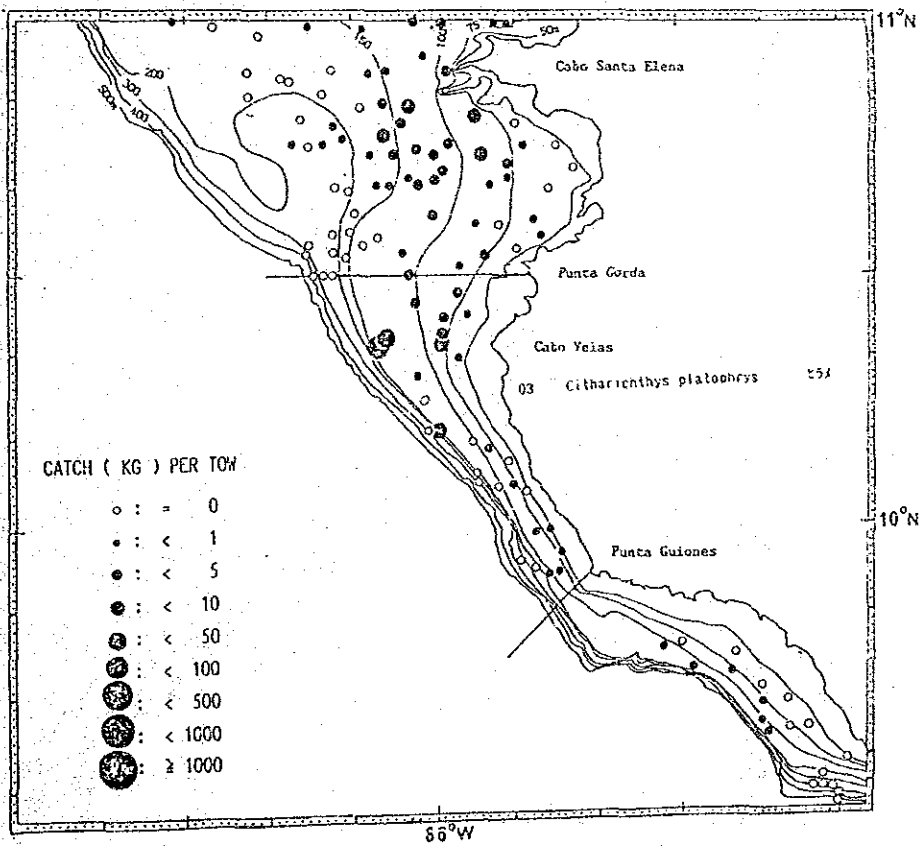
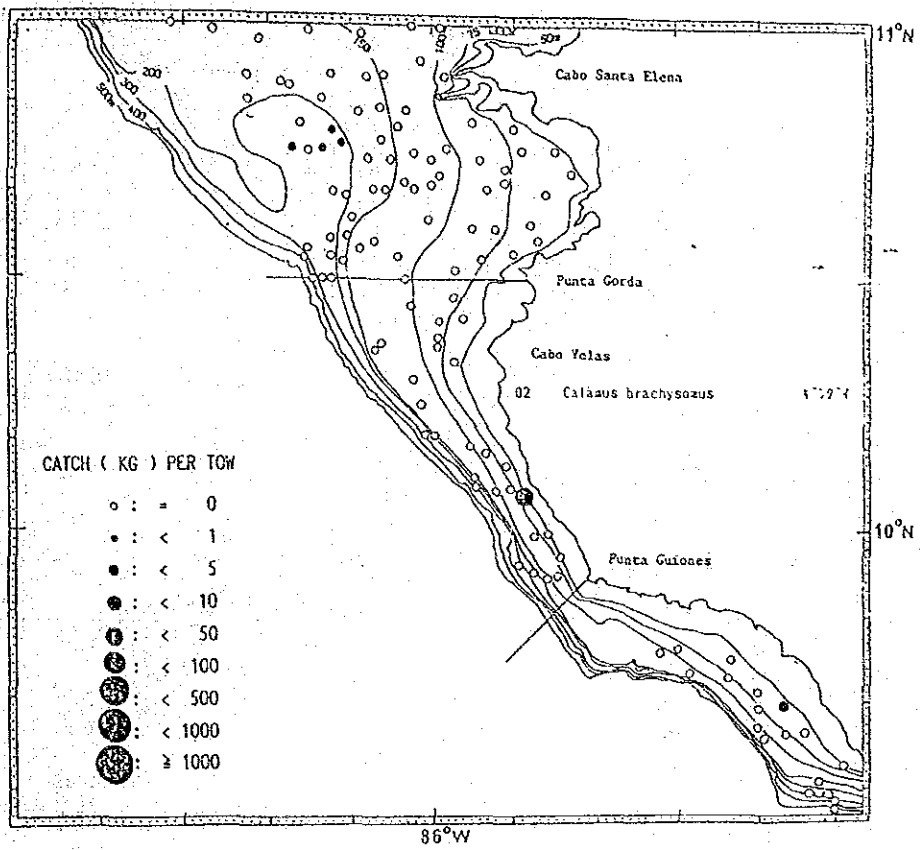


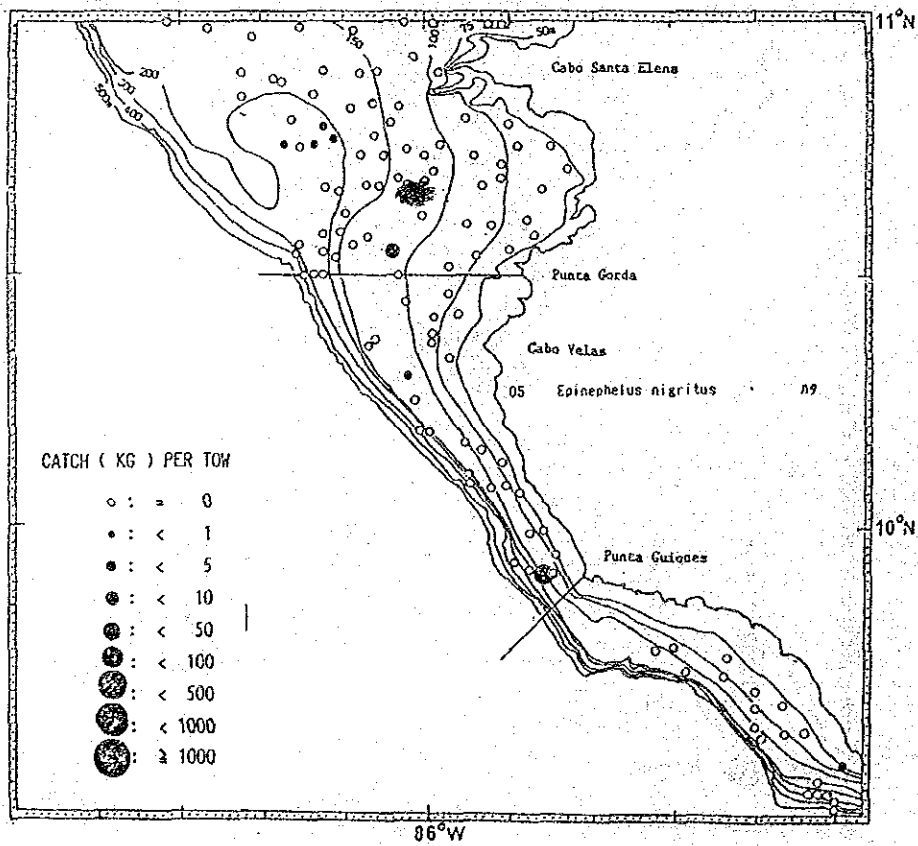
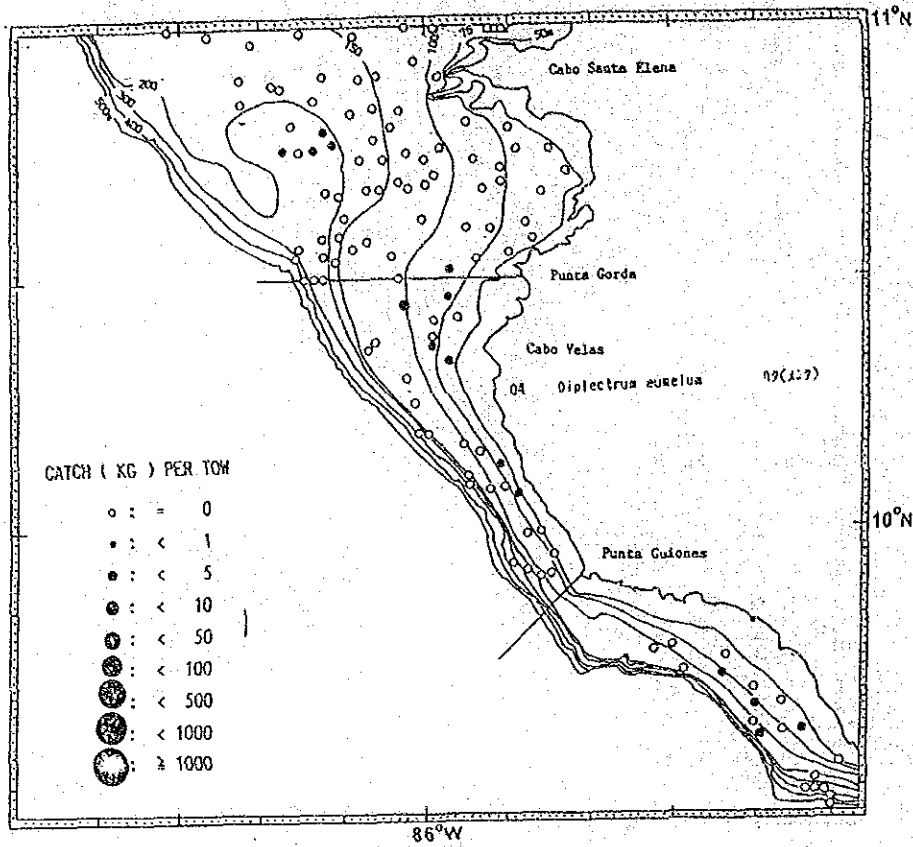


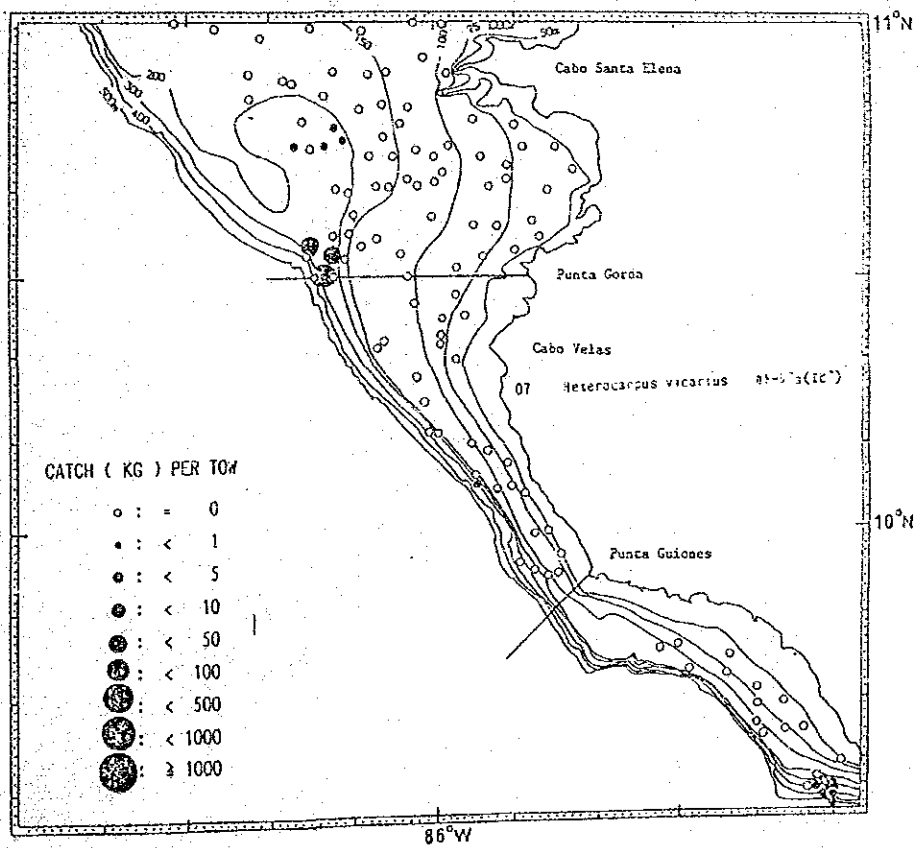
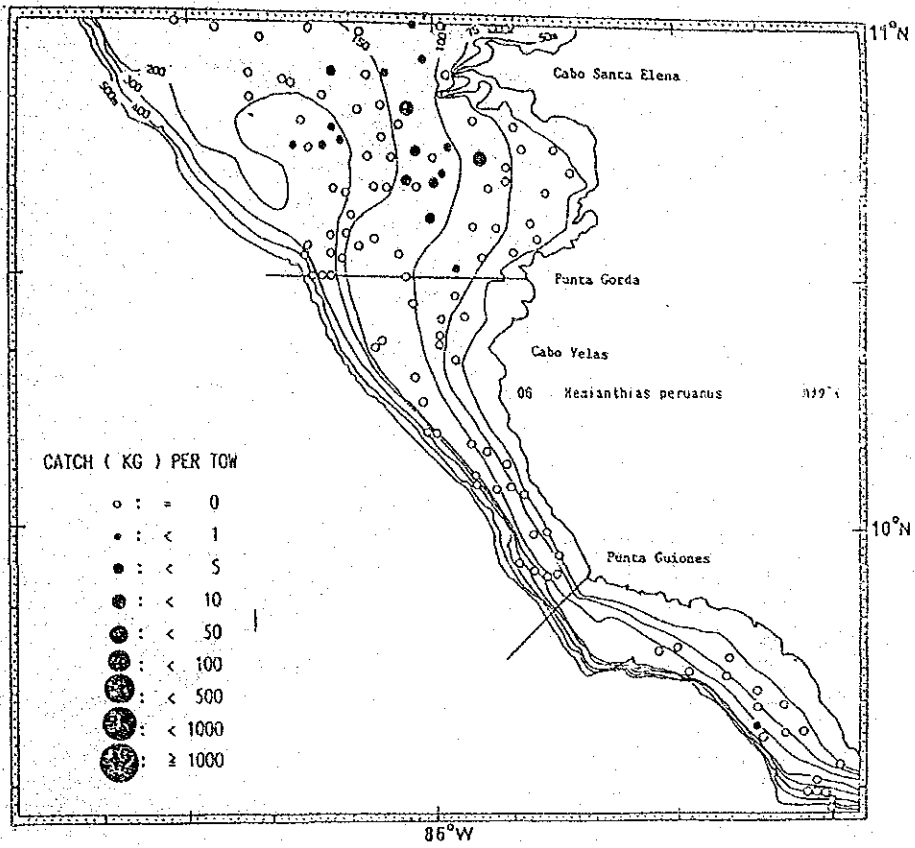


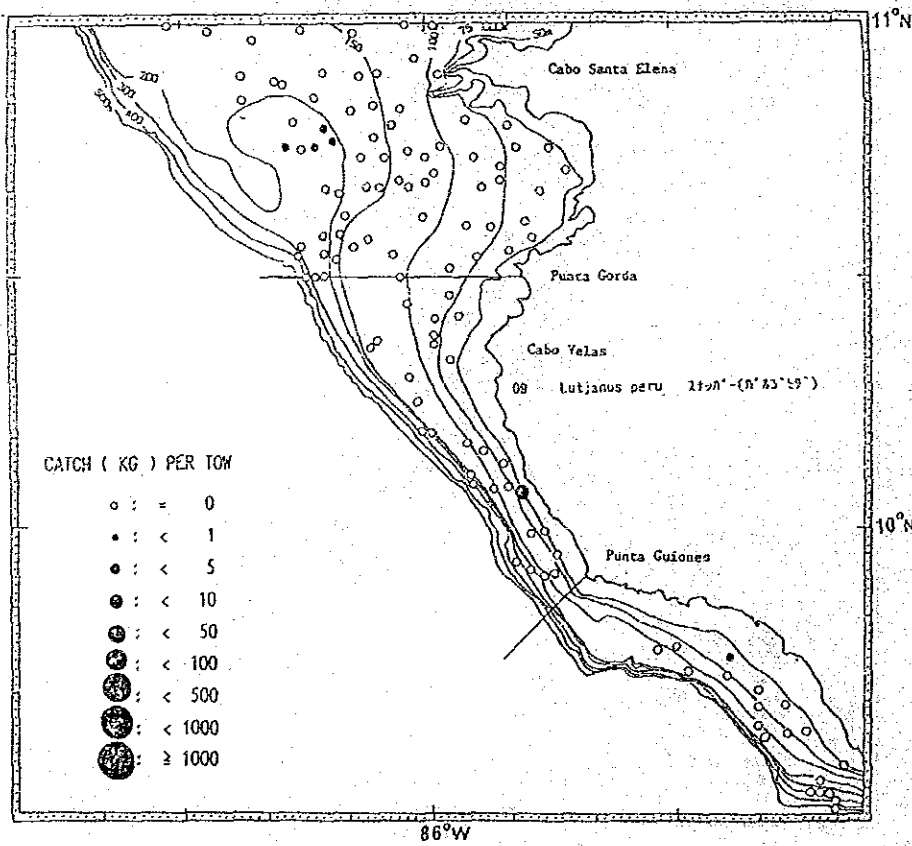
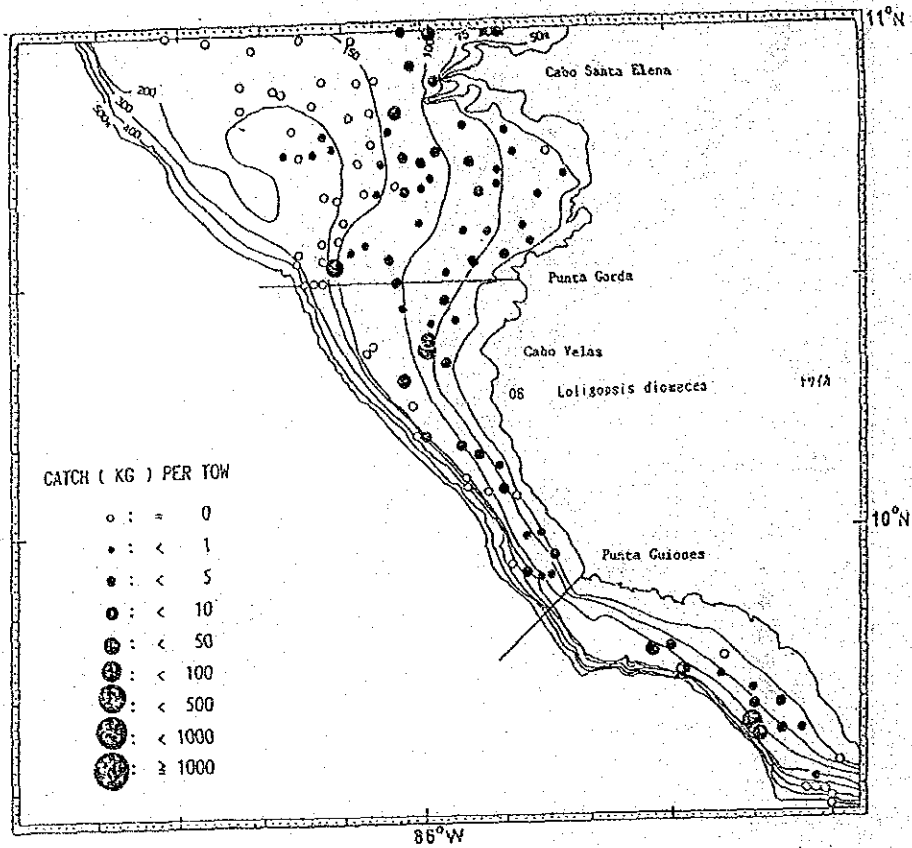
Appendix Fig.-4b 主要魚種の分布図(1統曳網-4網 2回目)

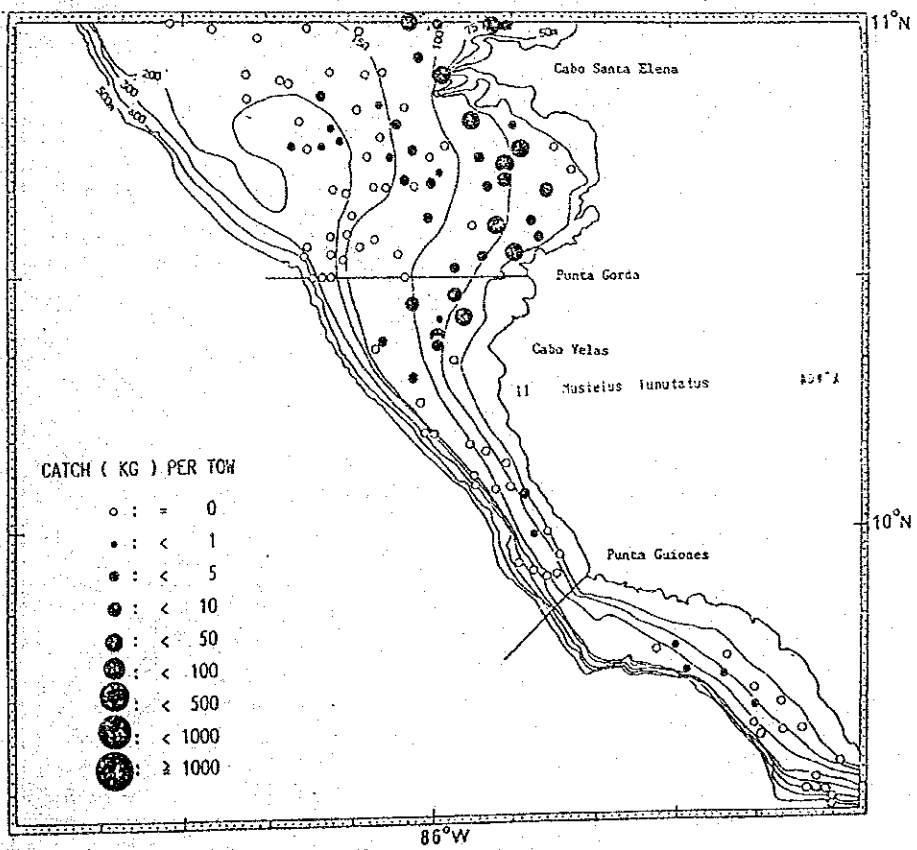
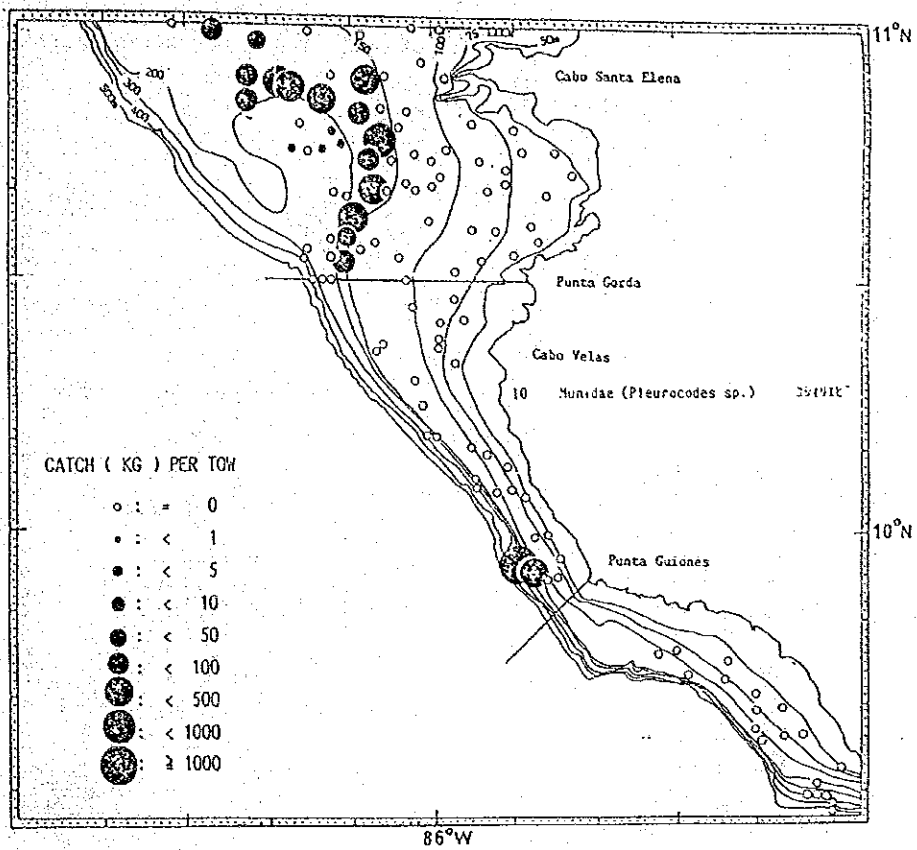


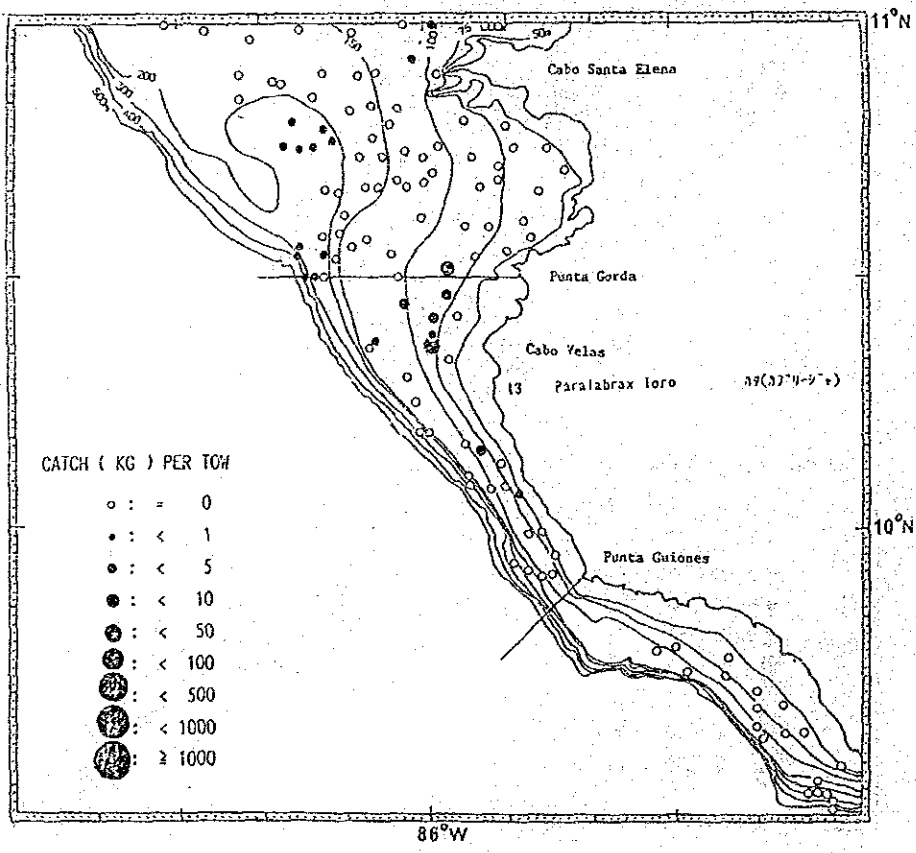
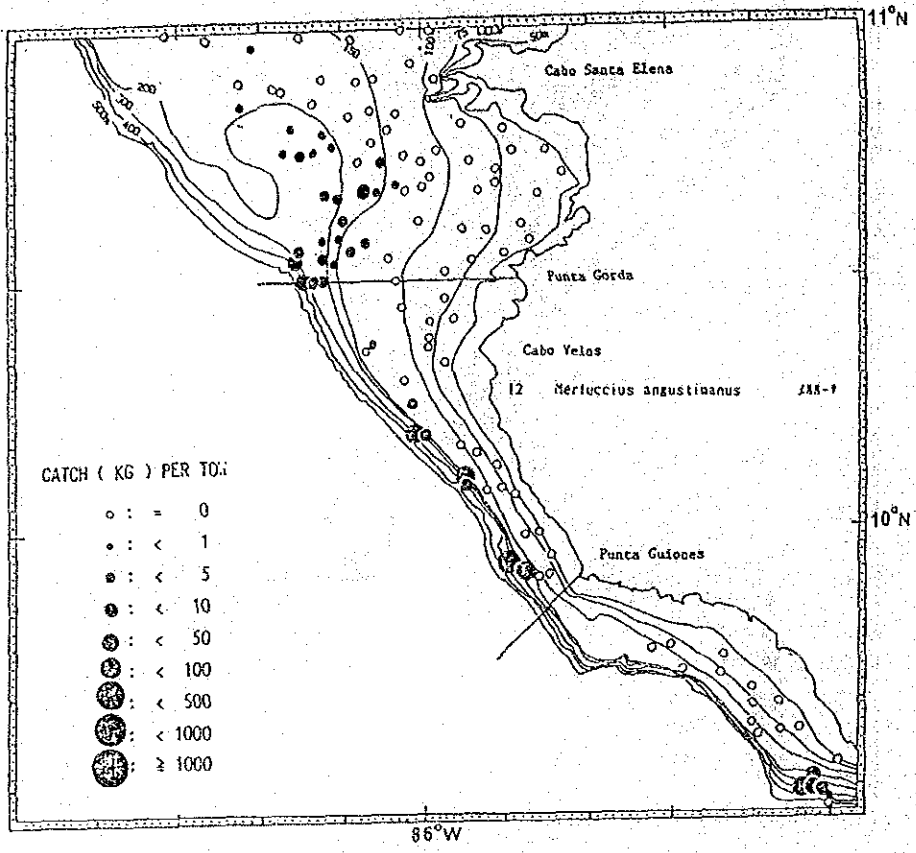


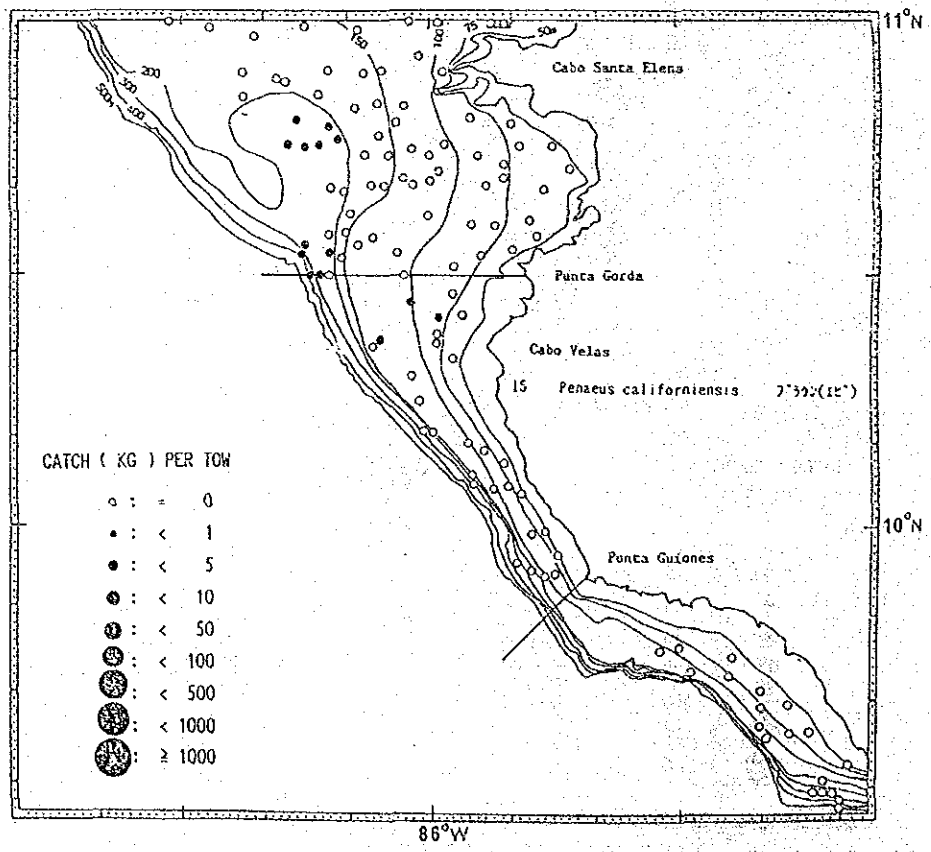
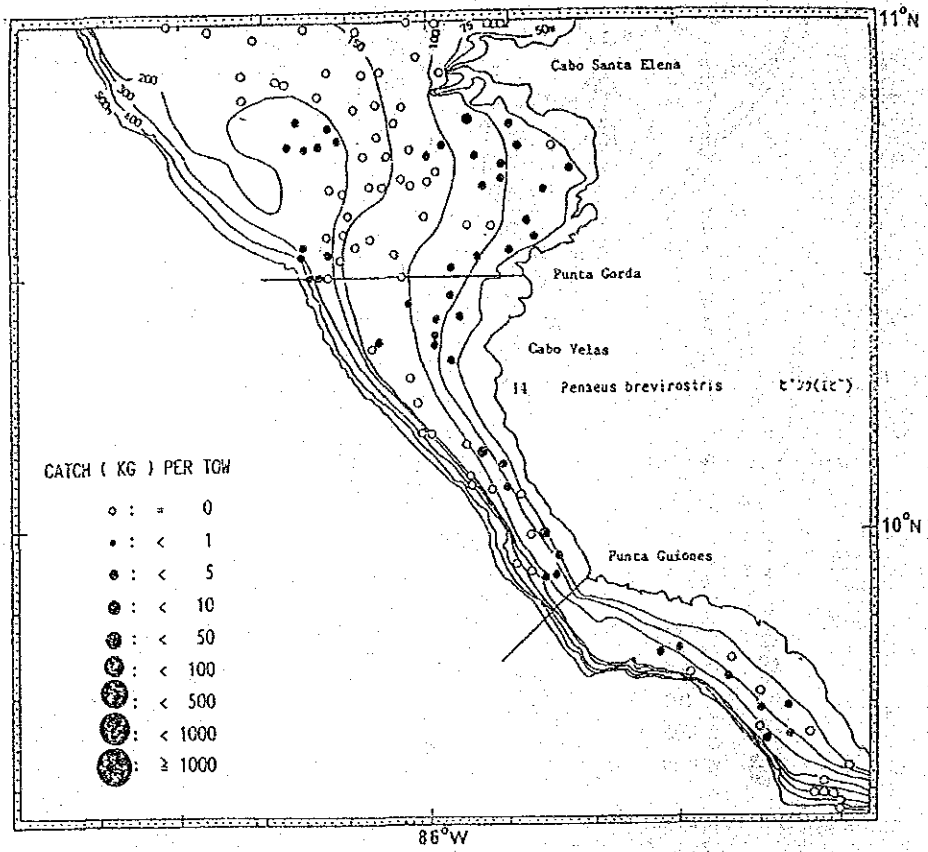


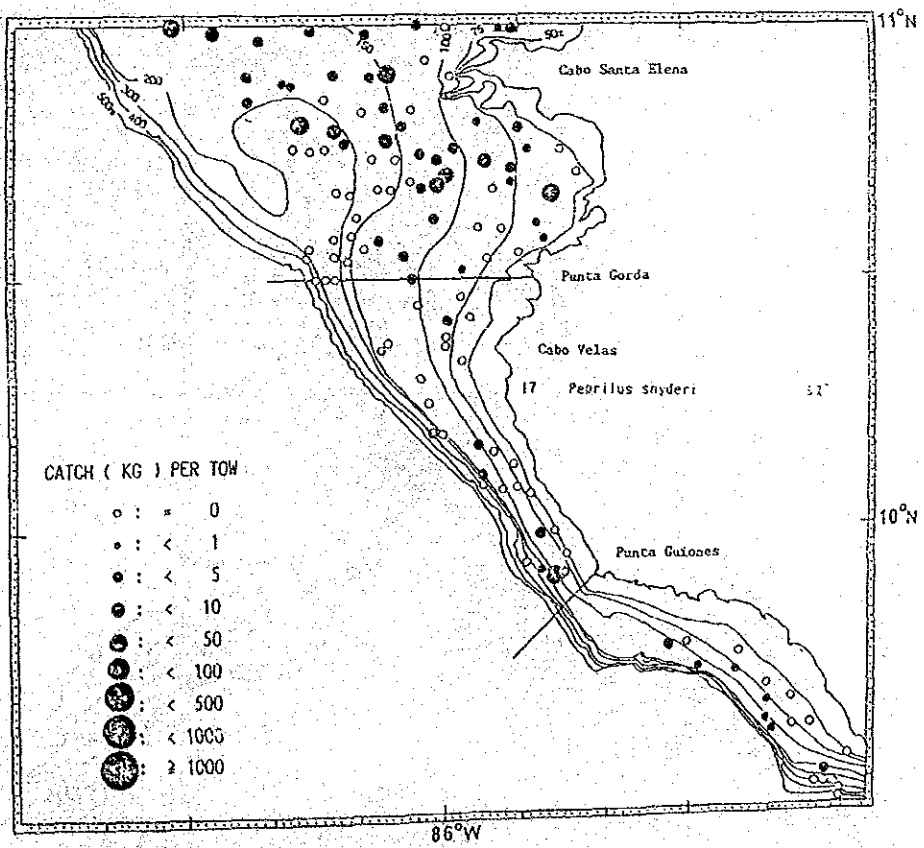
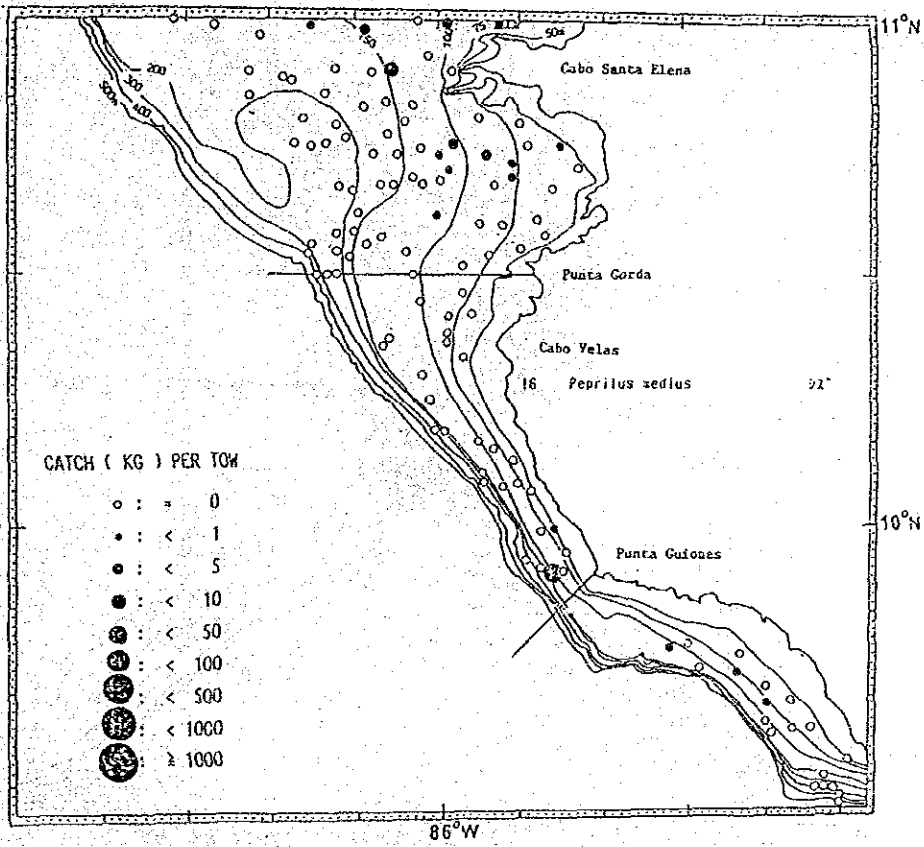


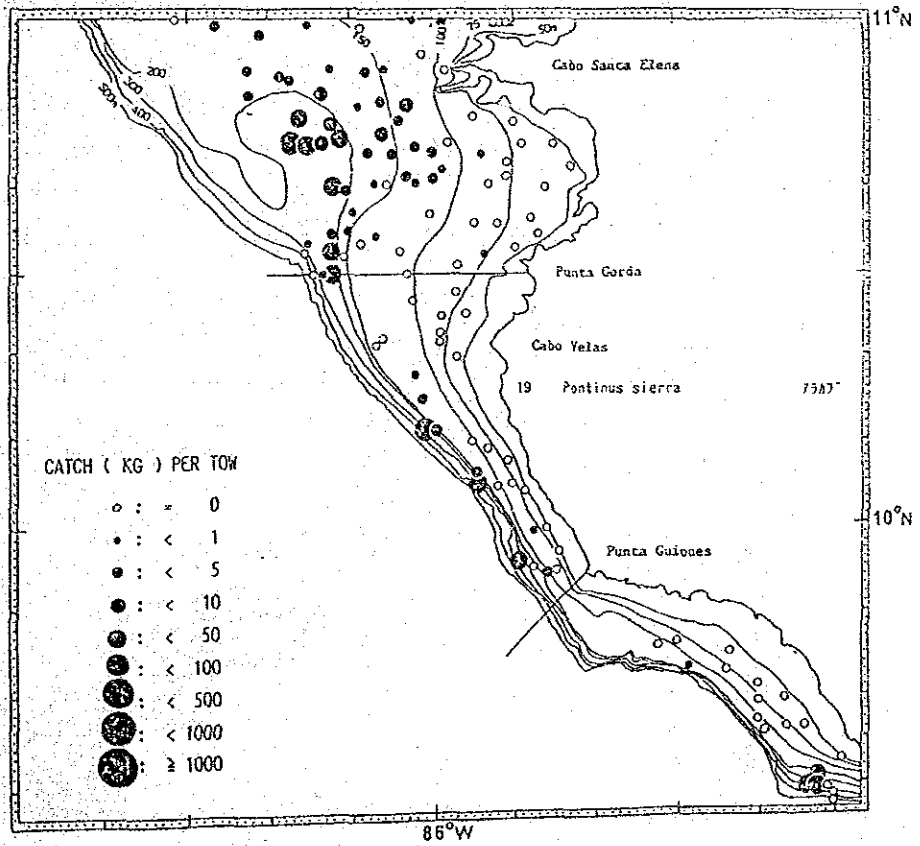
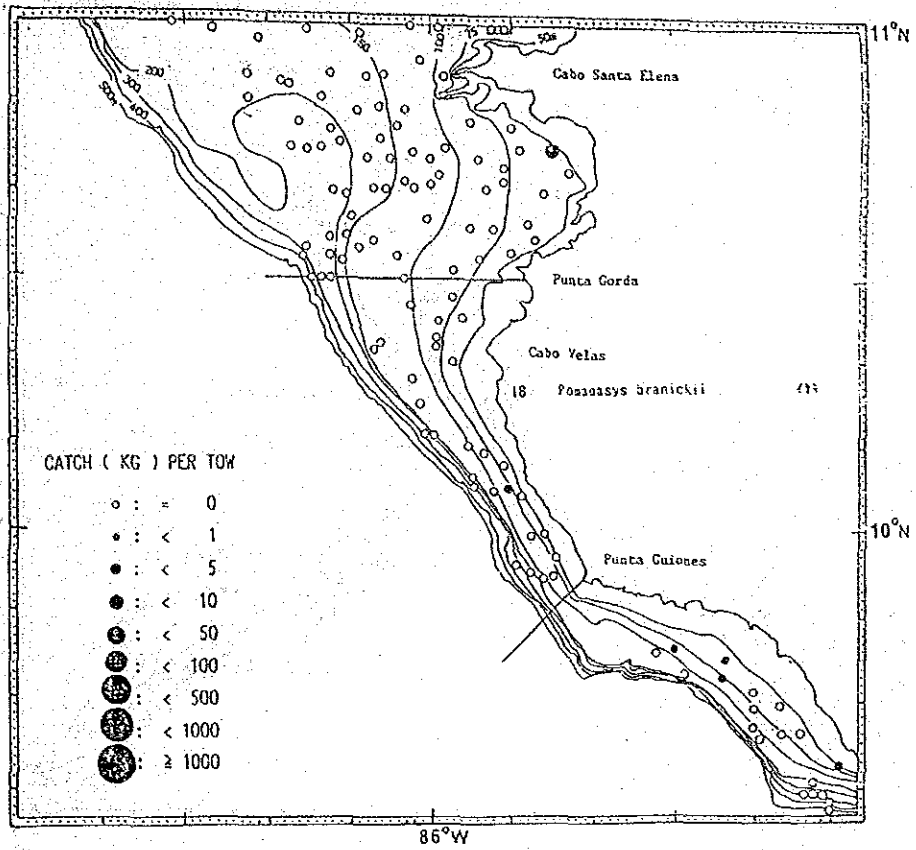


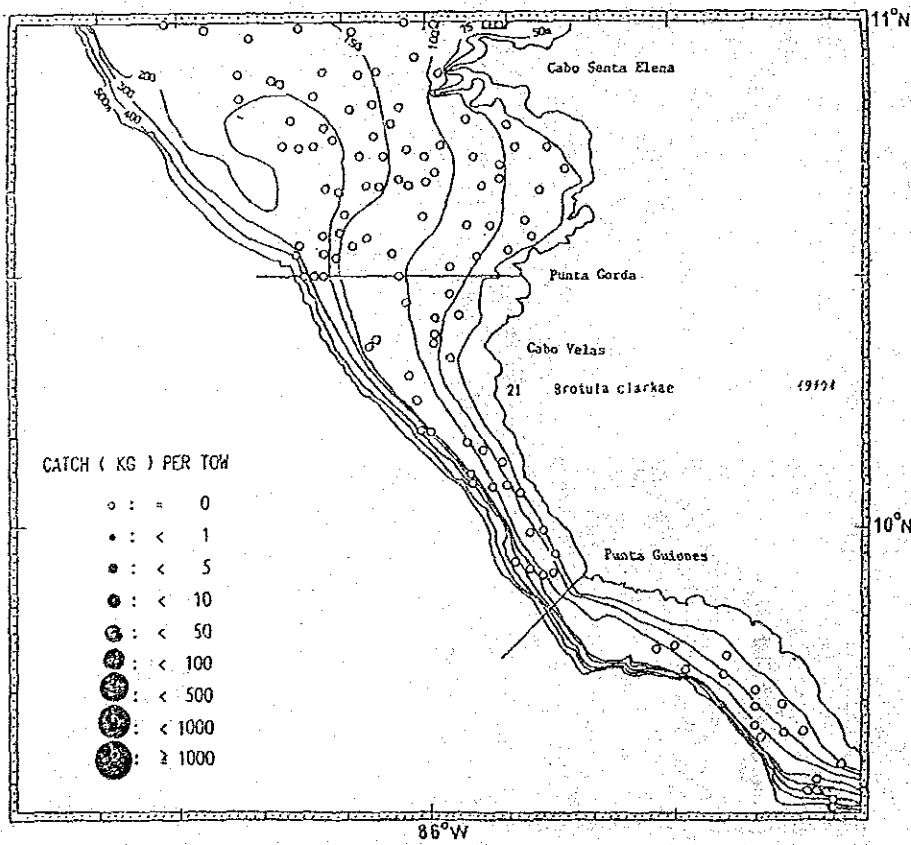
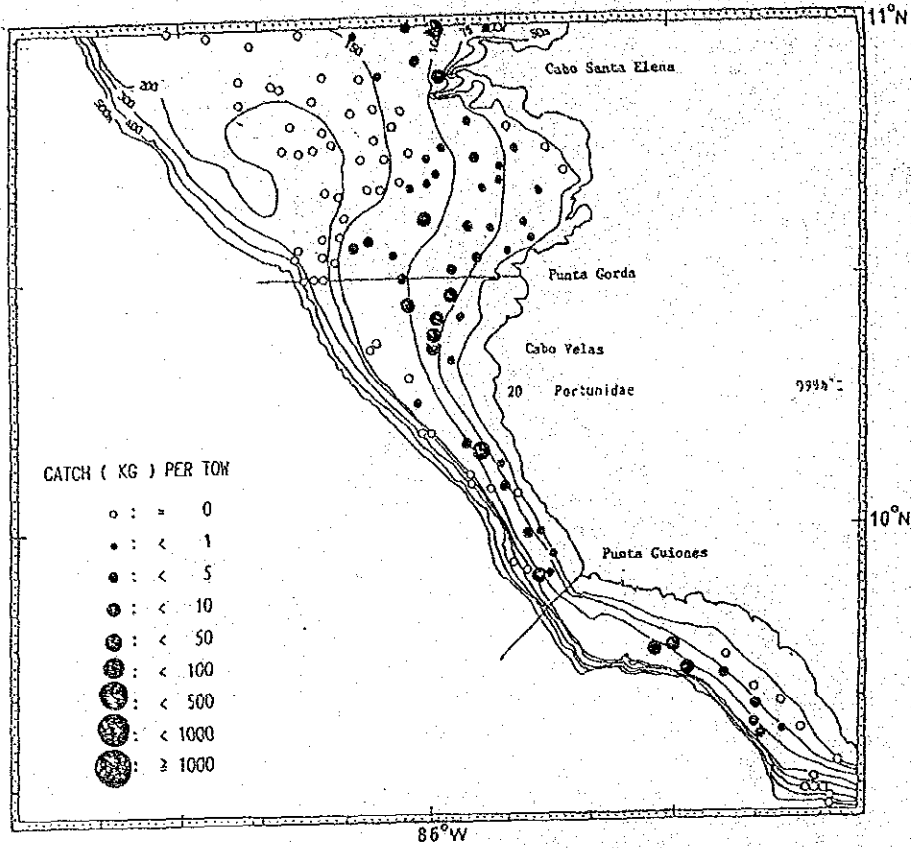


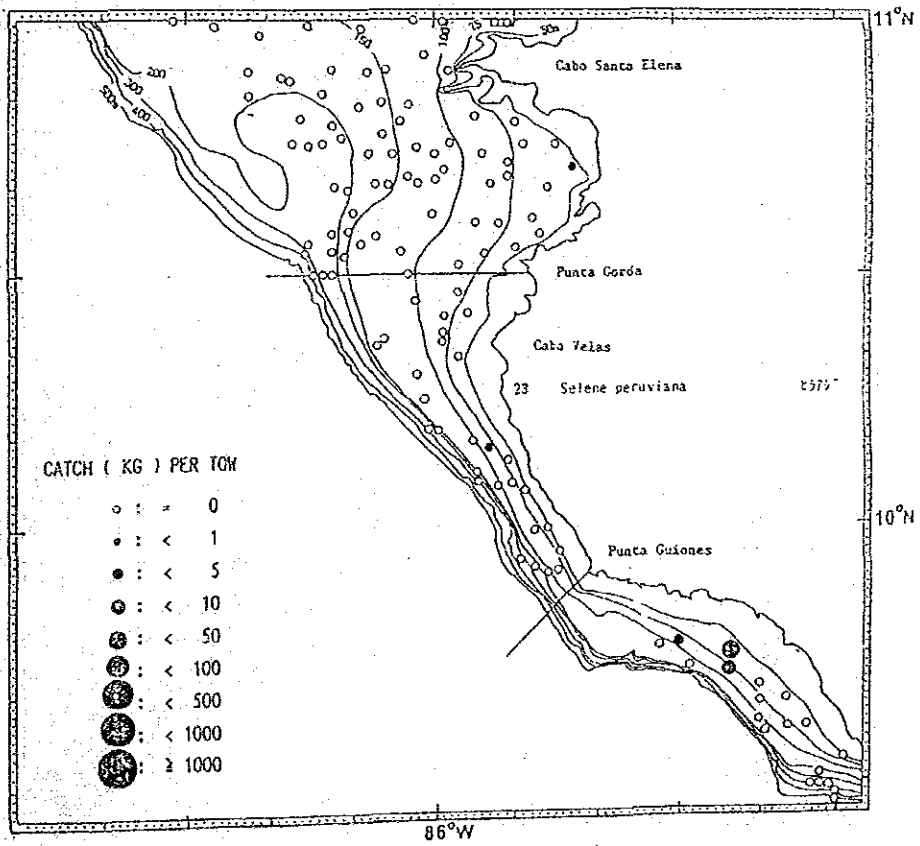
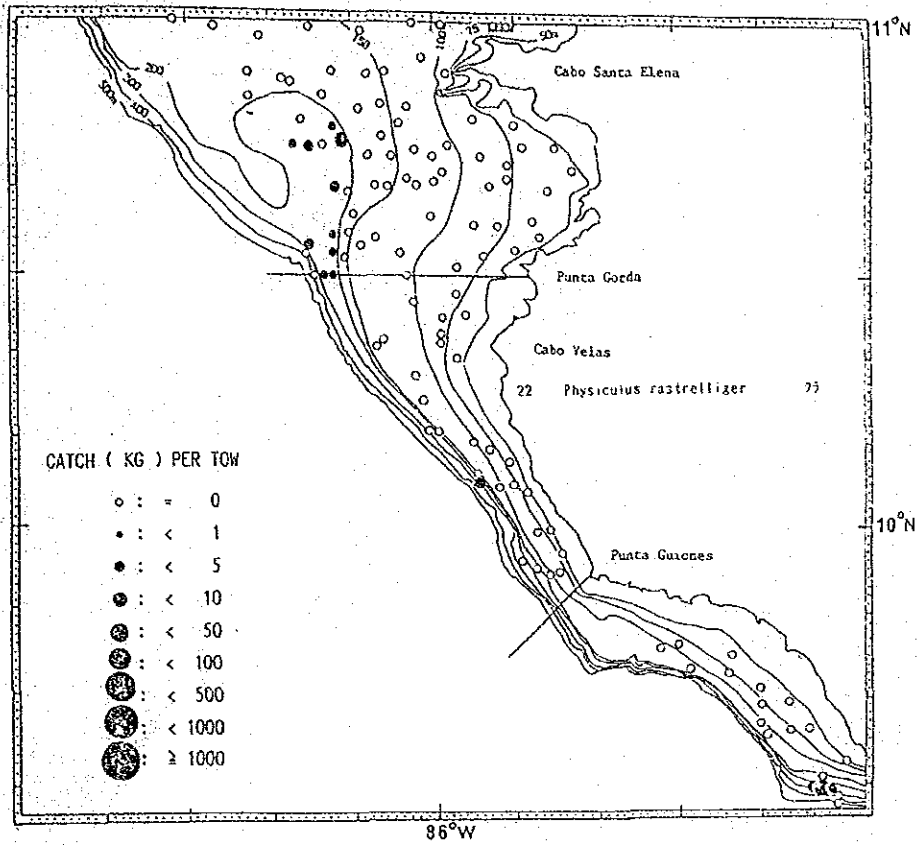


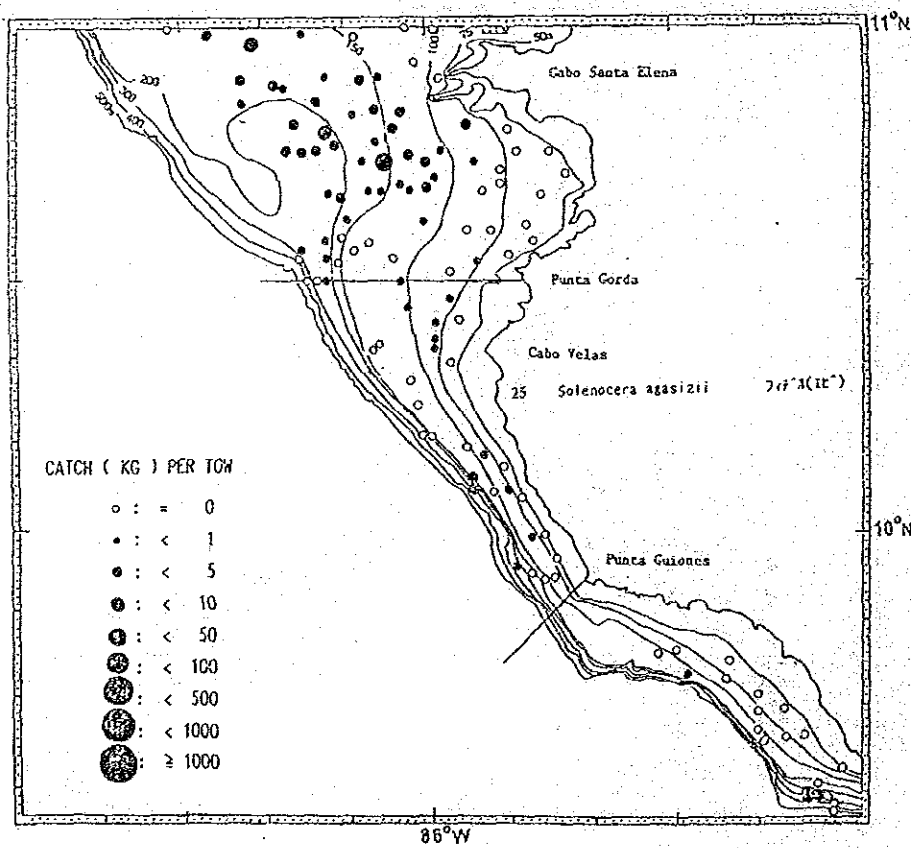
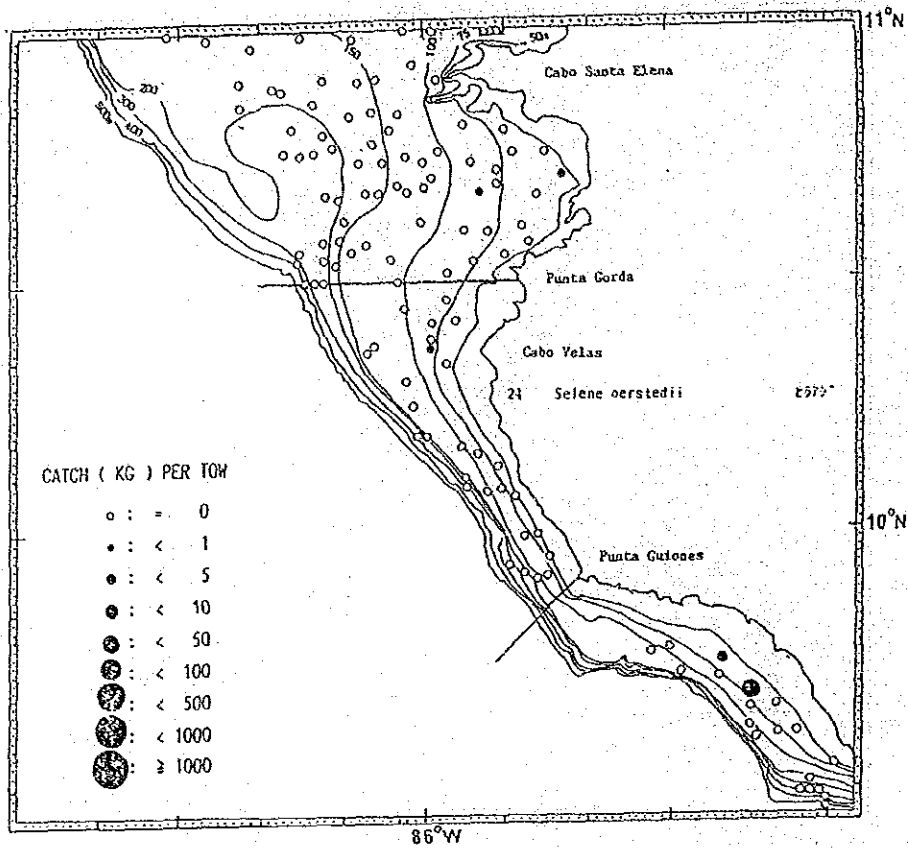


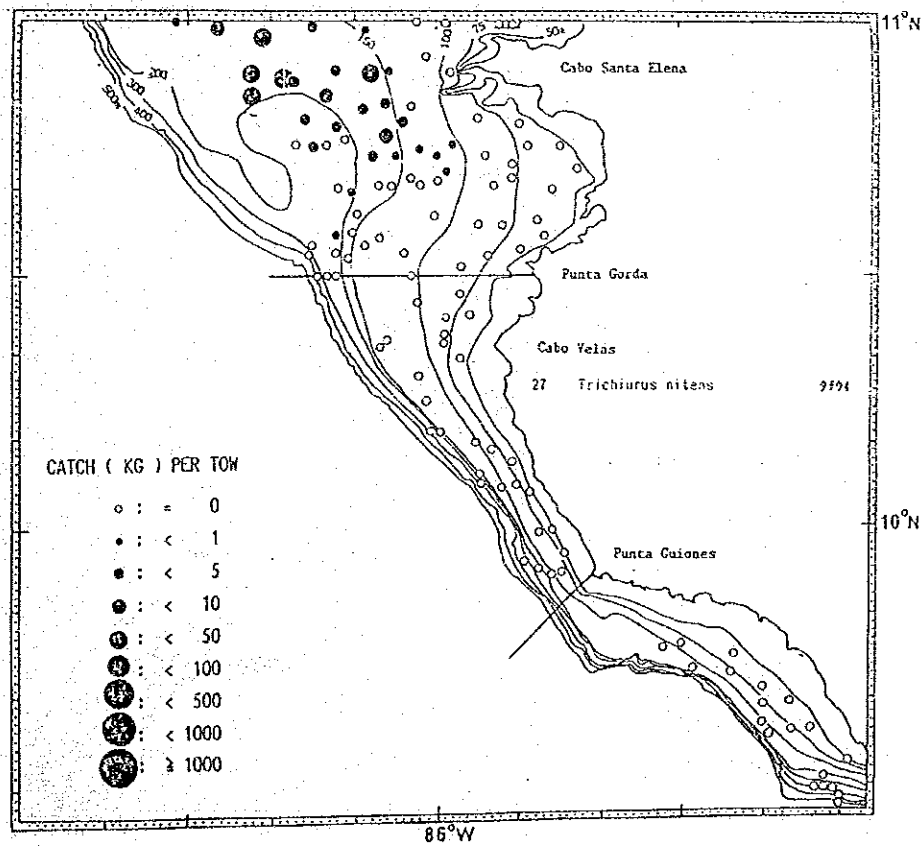
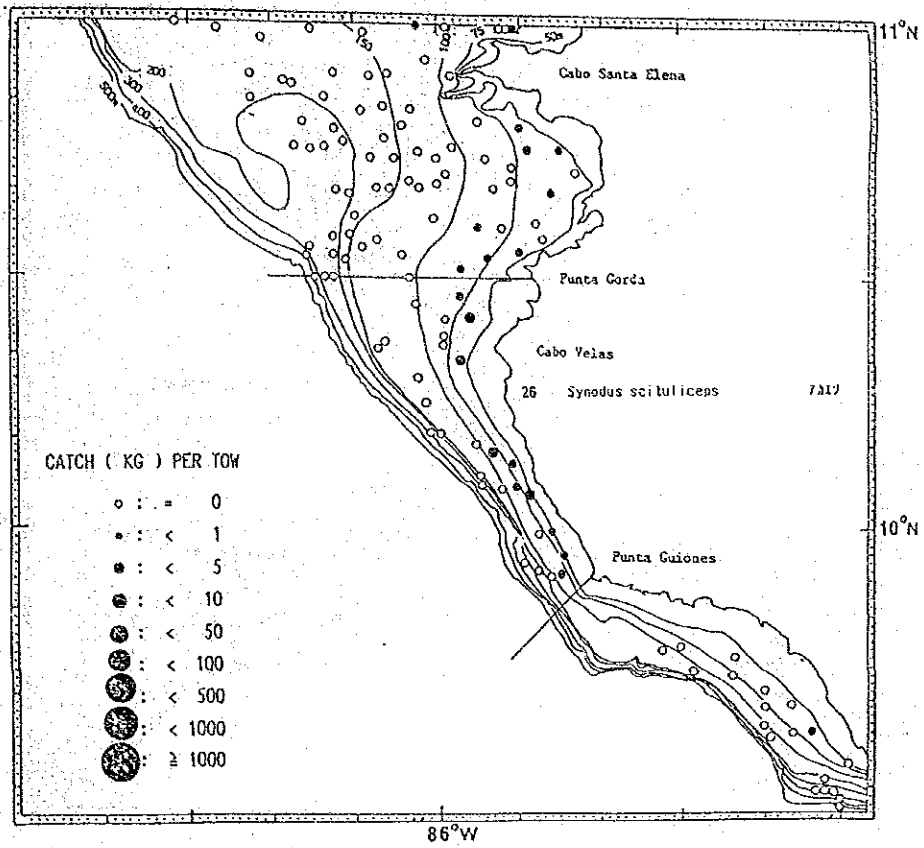


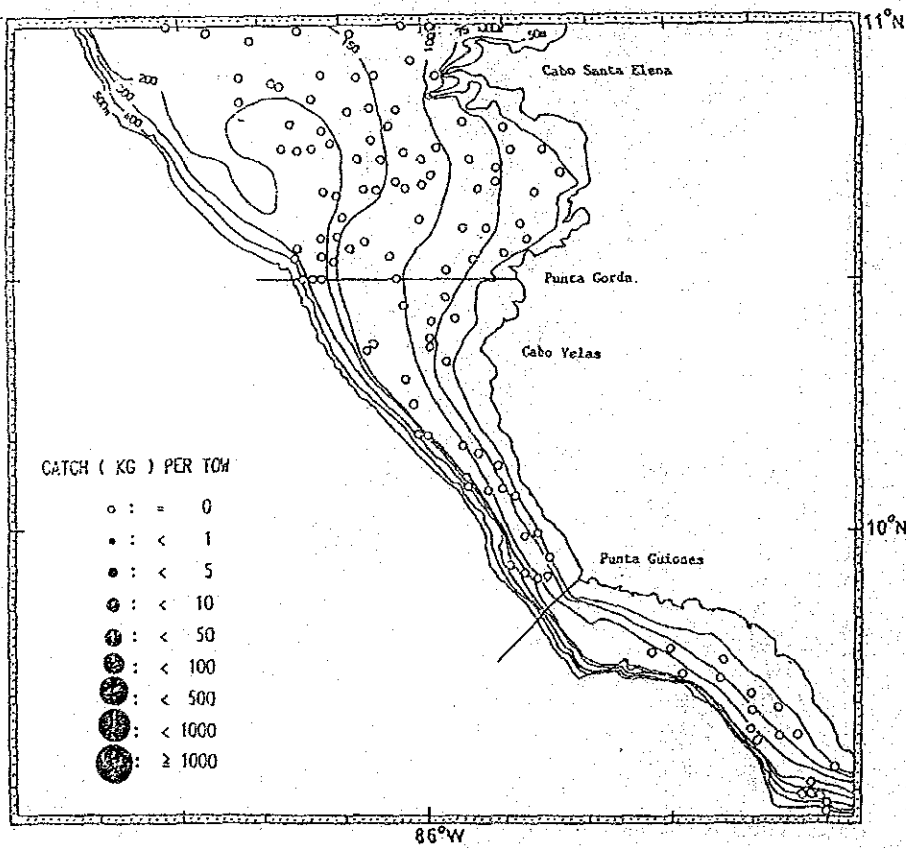
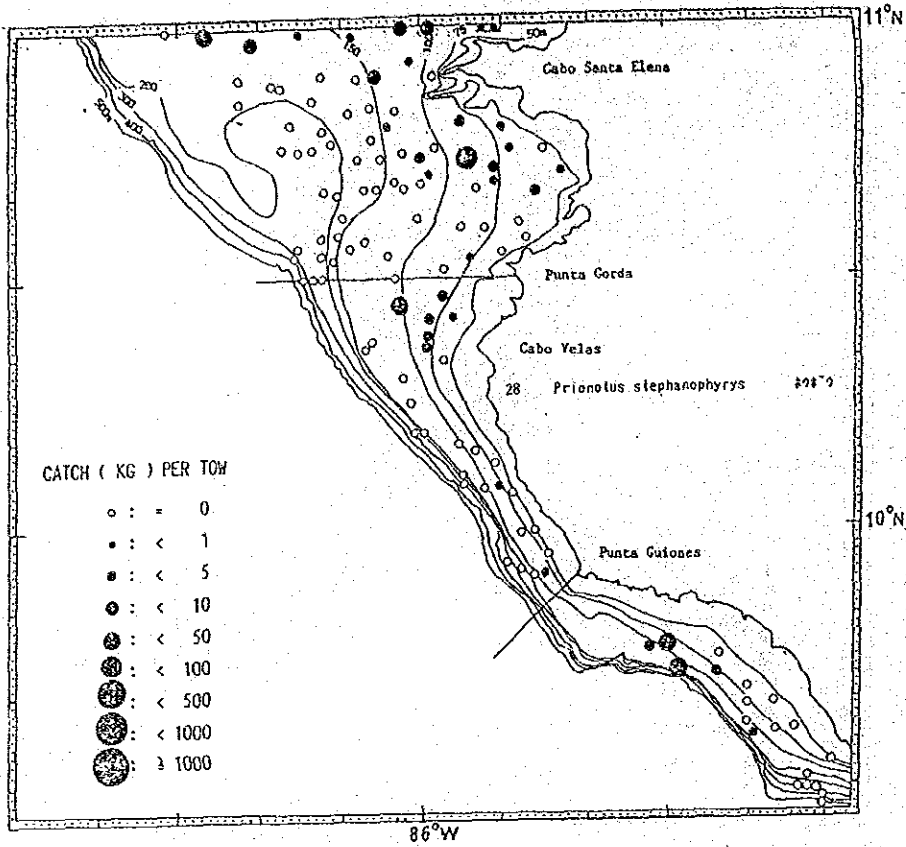


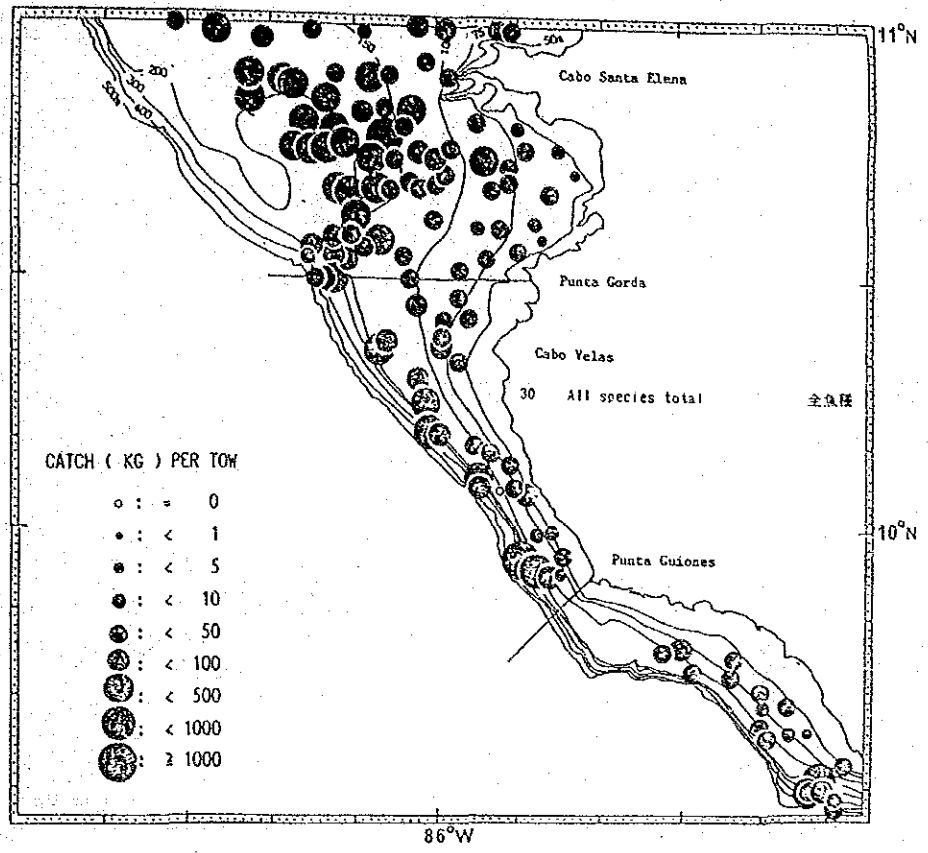




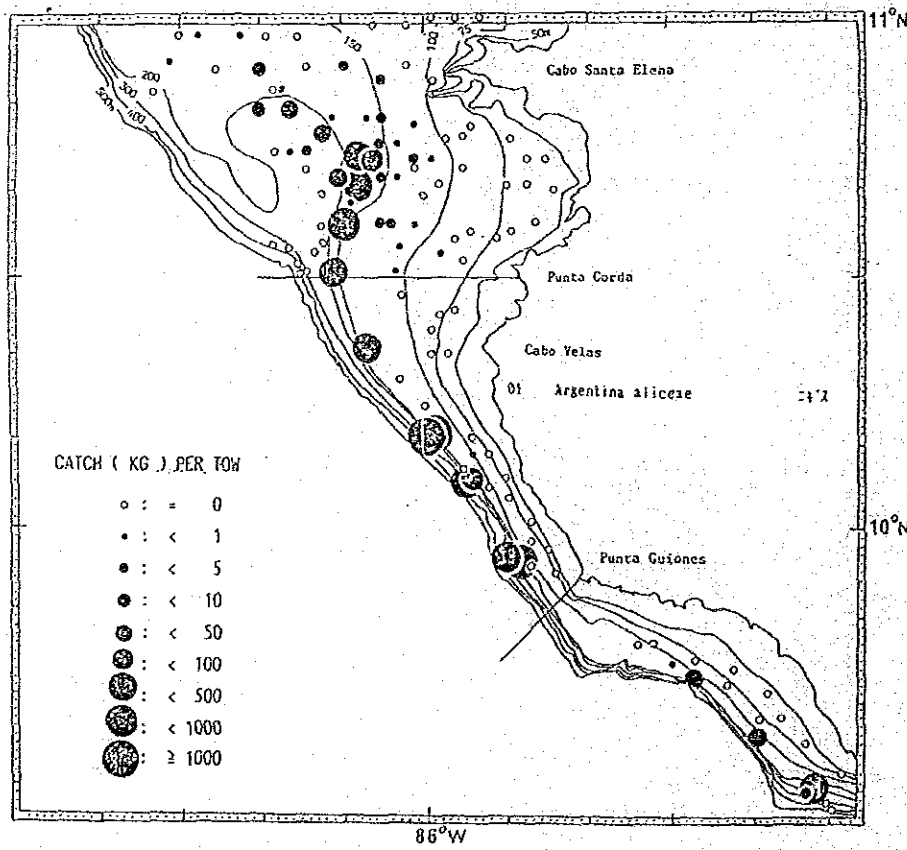
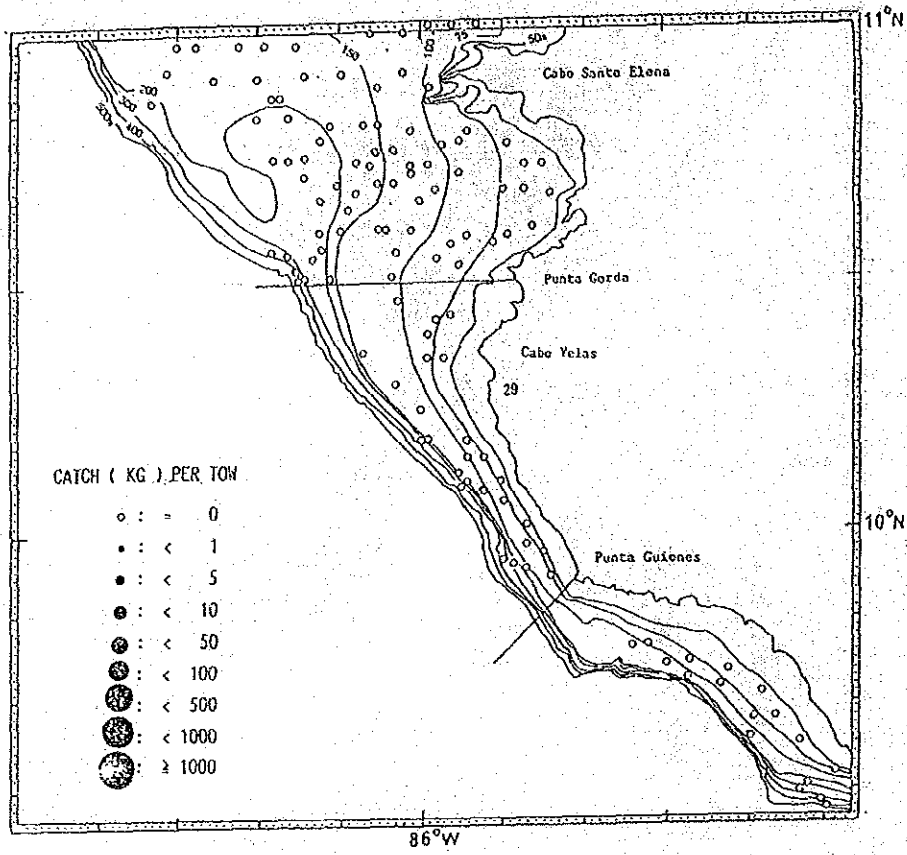


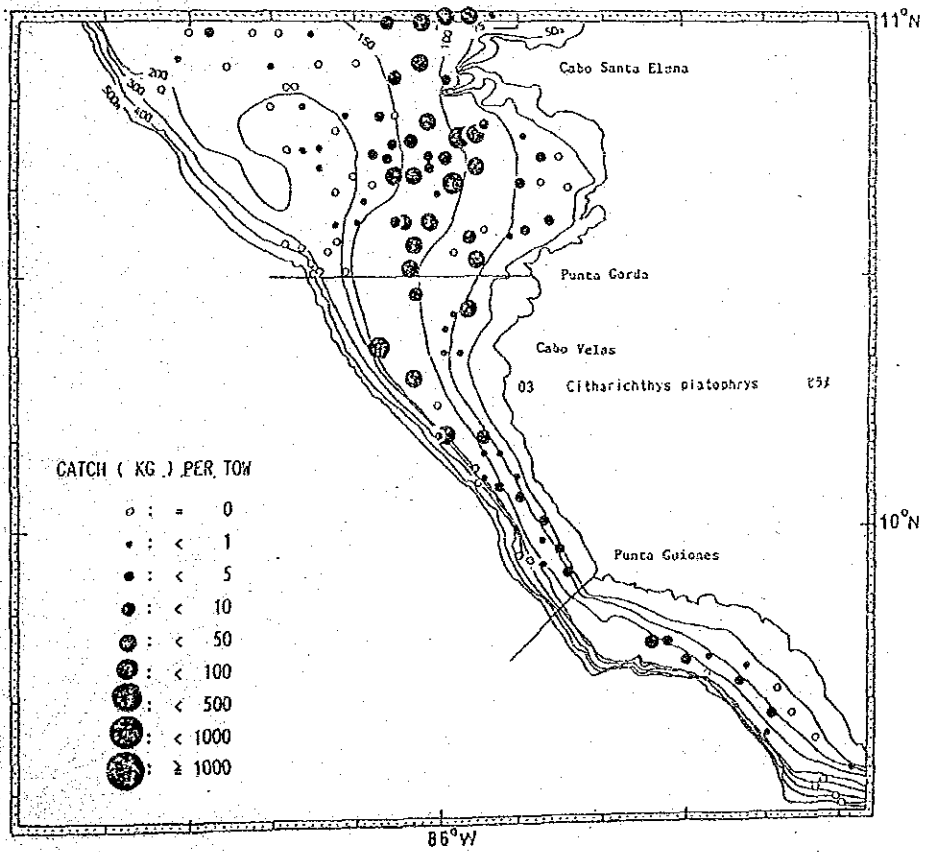
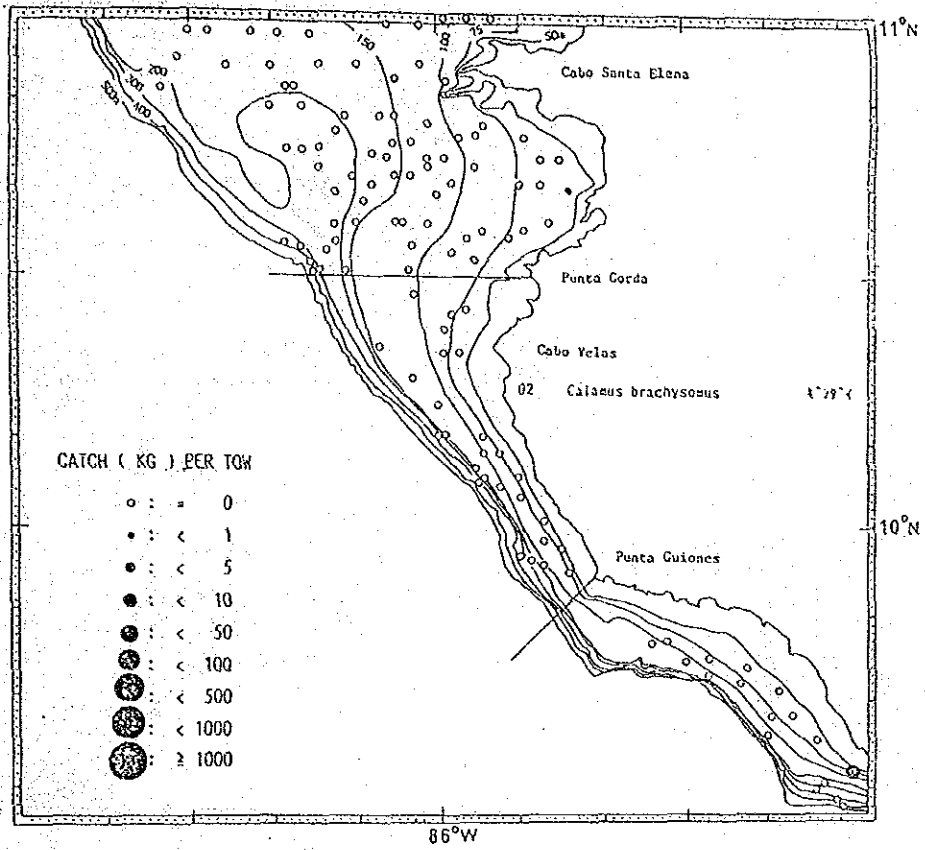


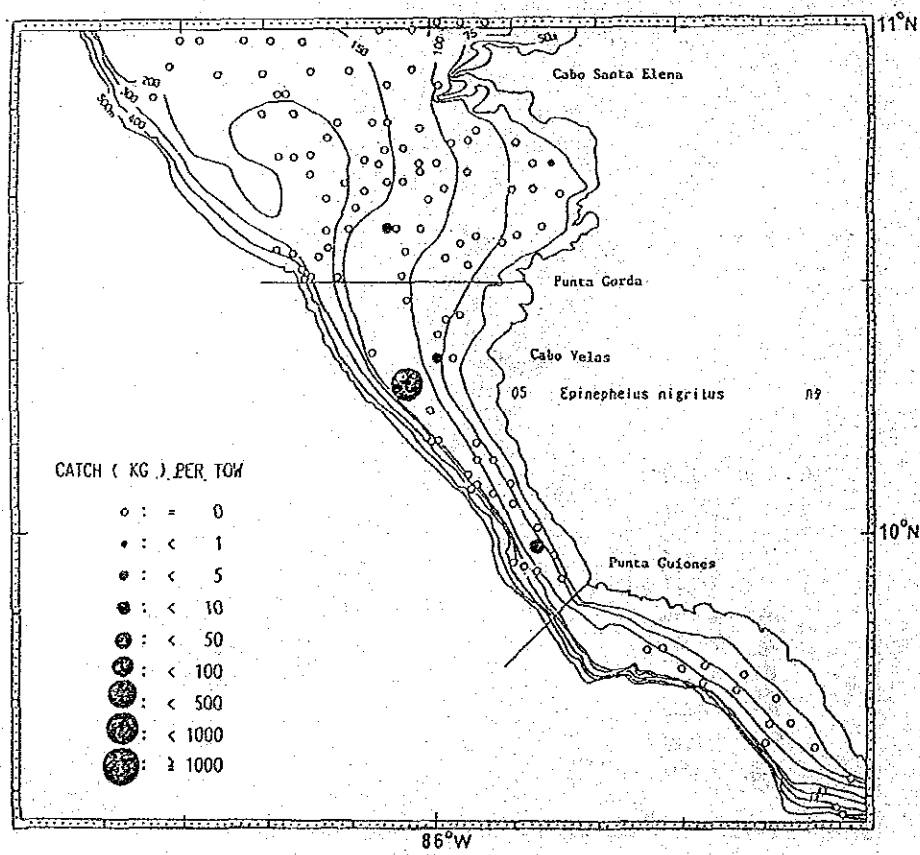
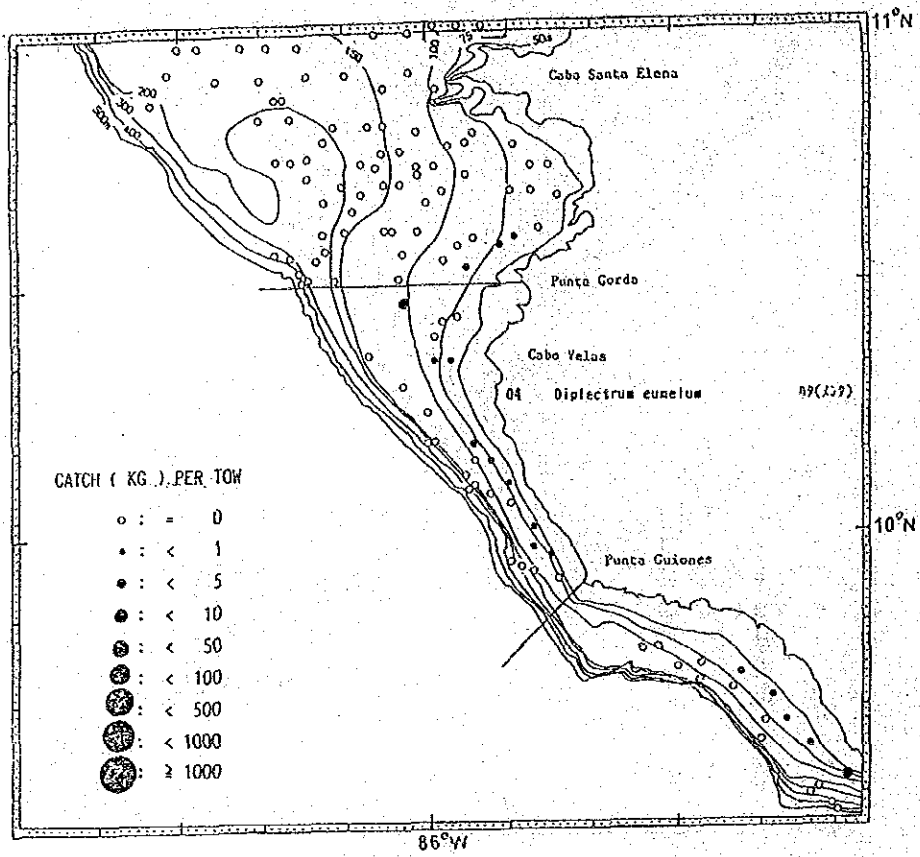


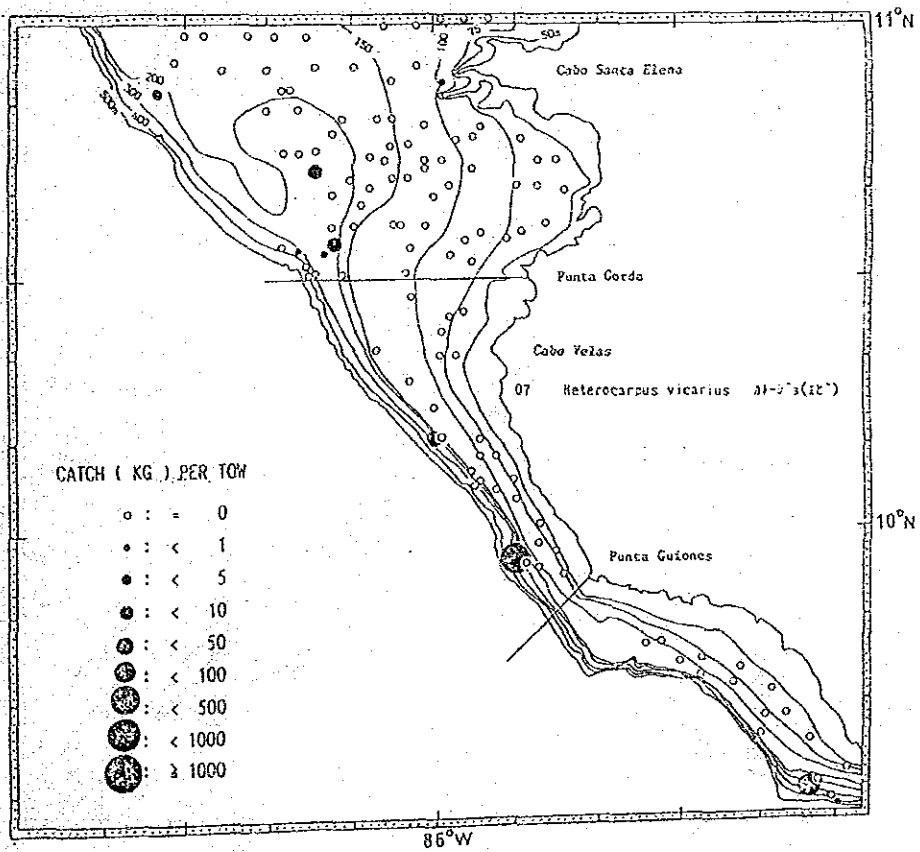
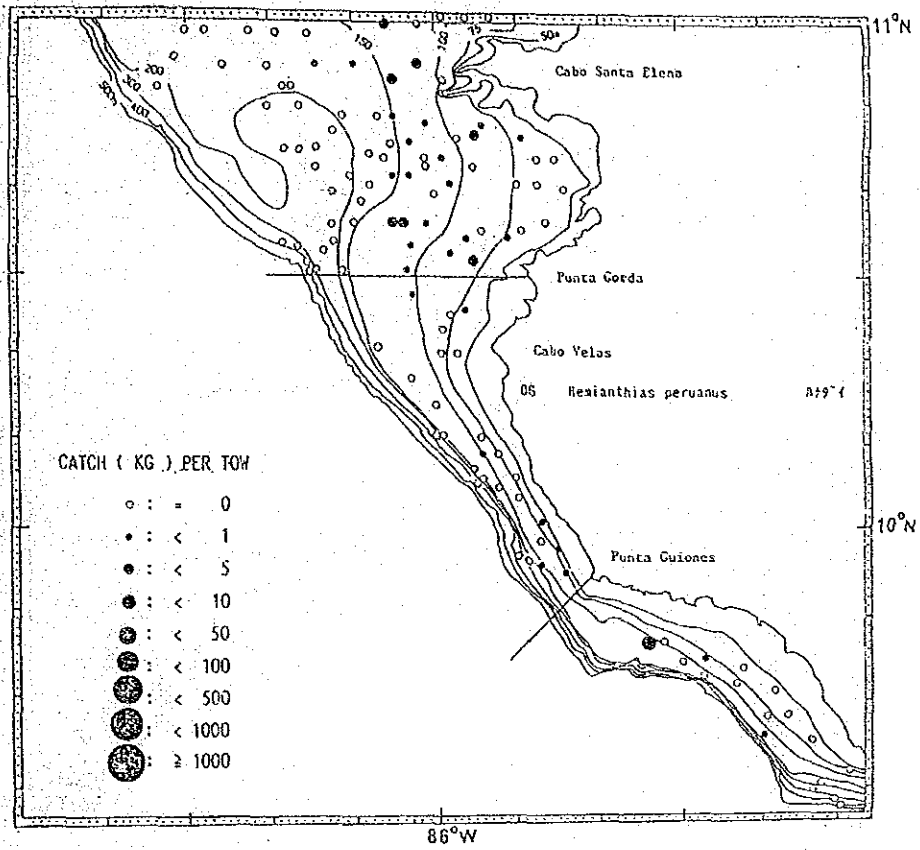


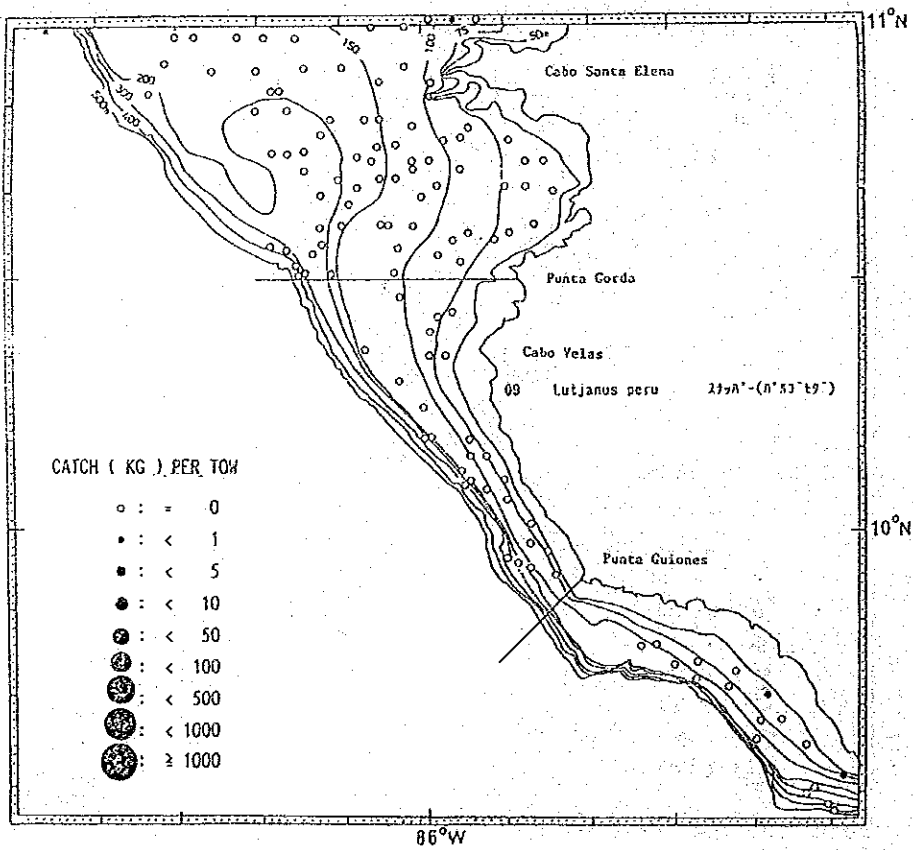
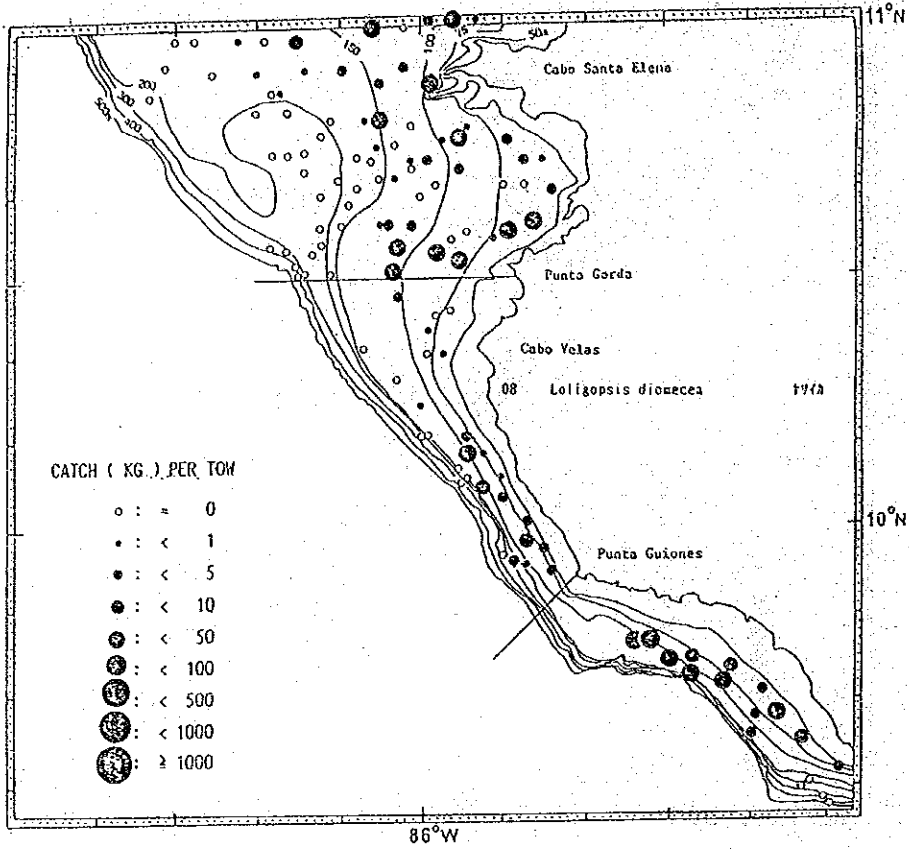
Appendix Fig. 4c 主要魚種の分布図(1統曳10-4網 3回目)

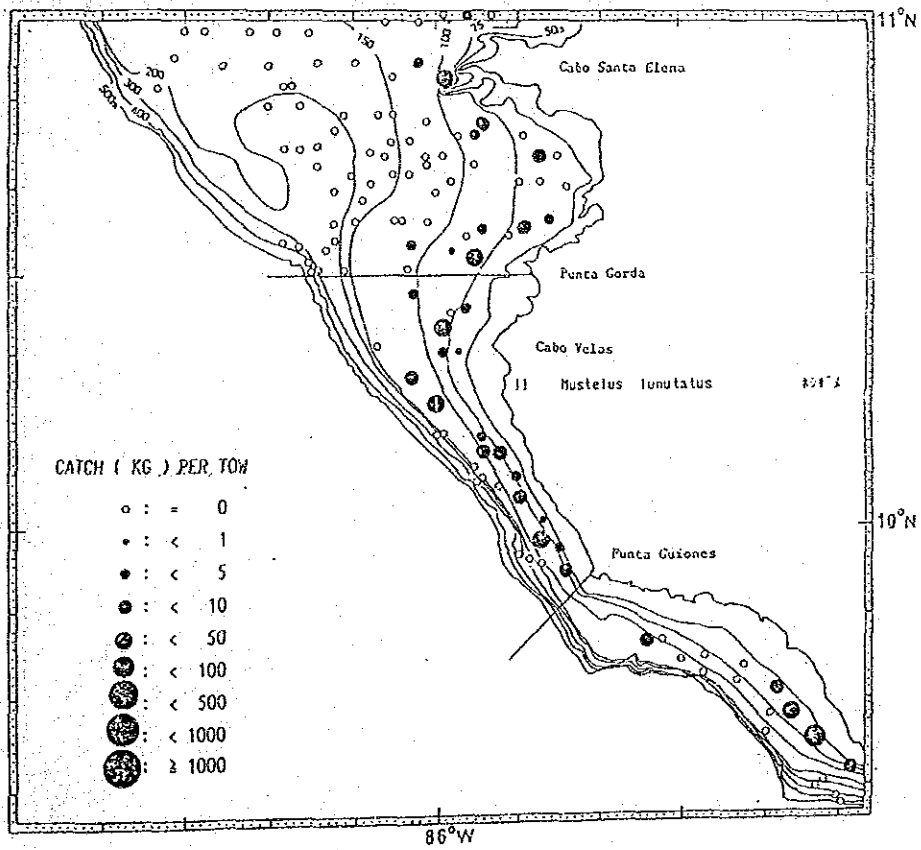
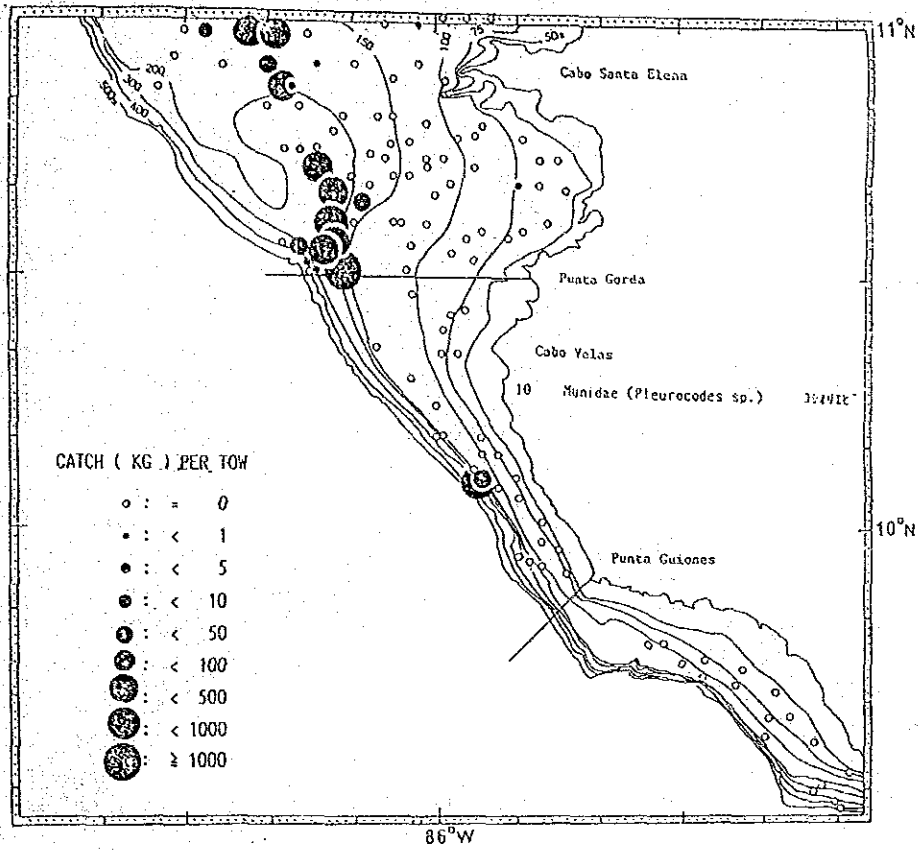


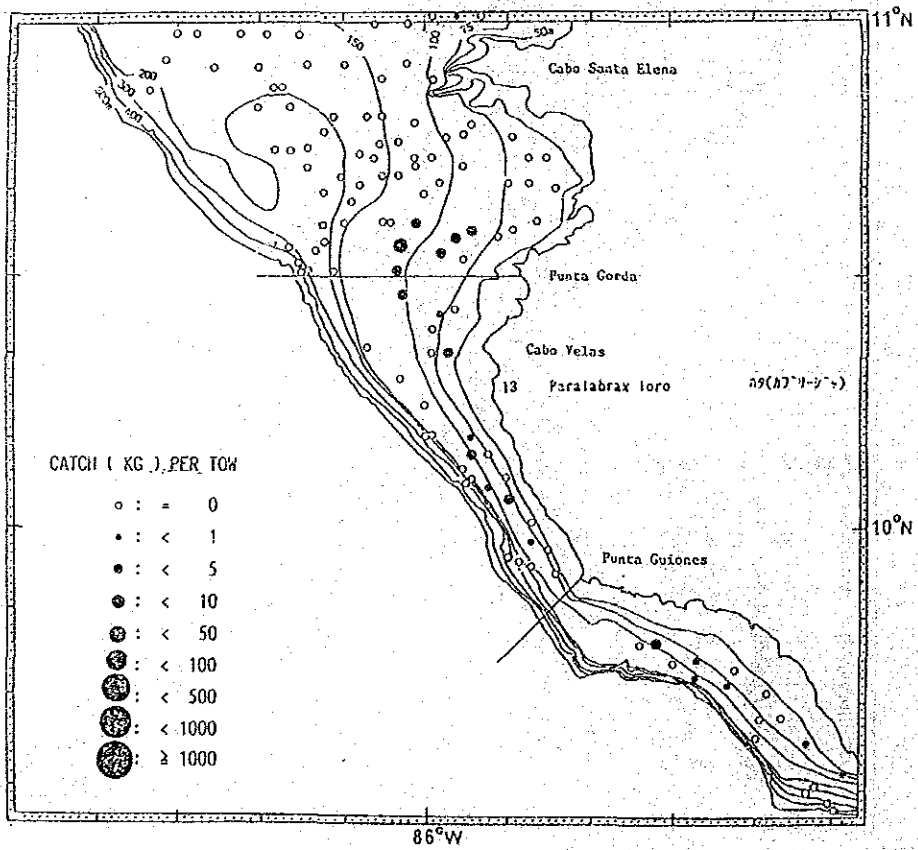
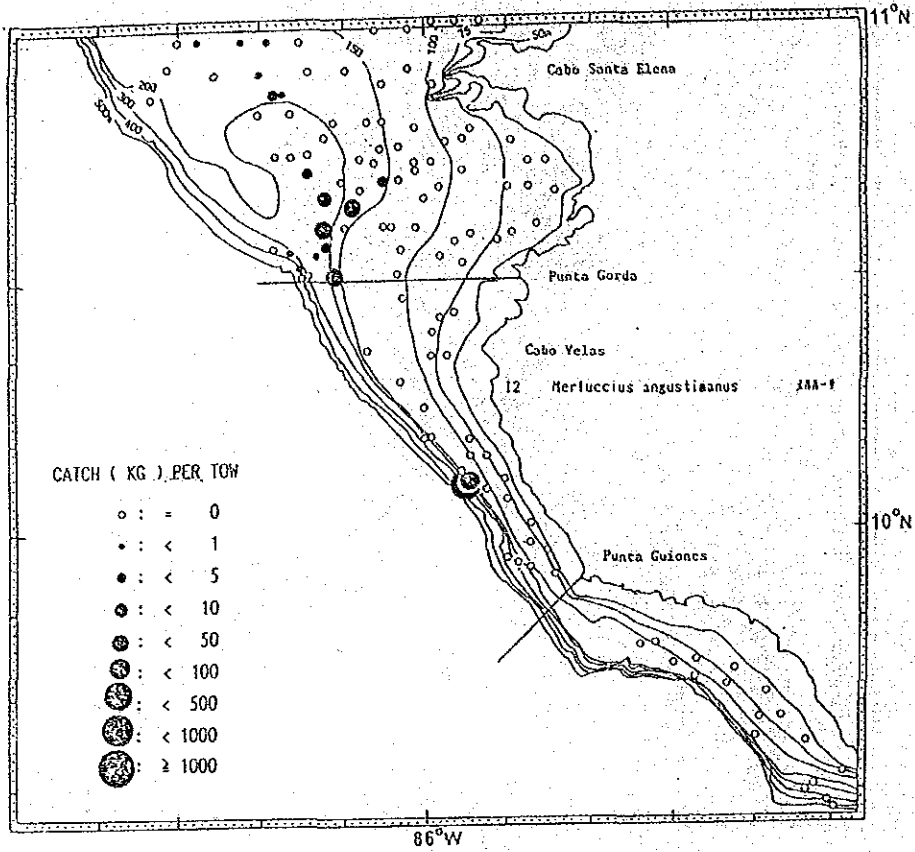


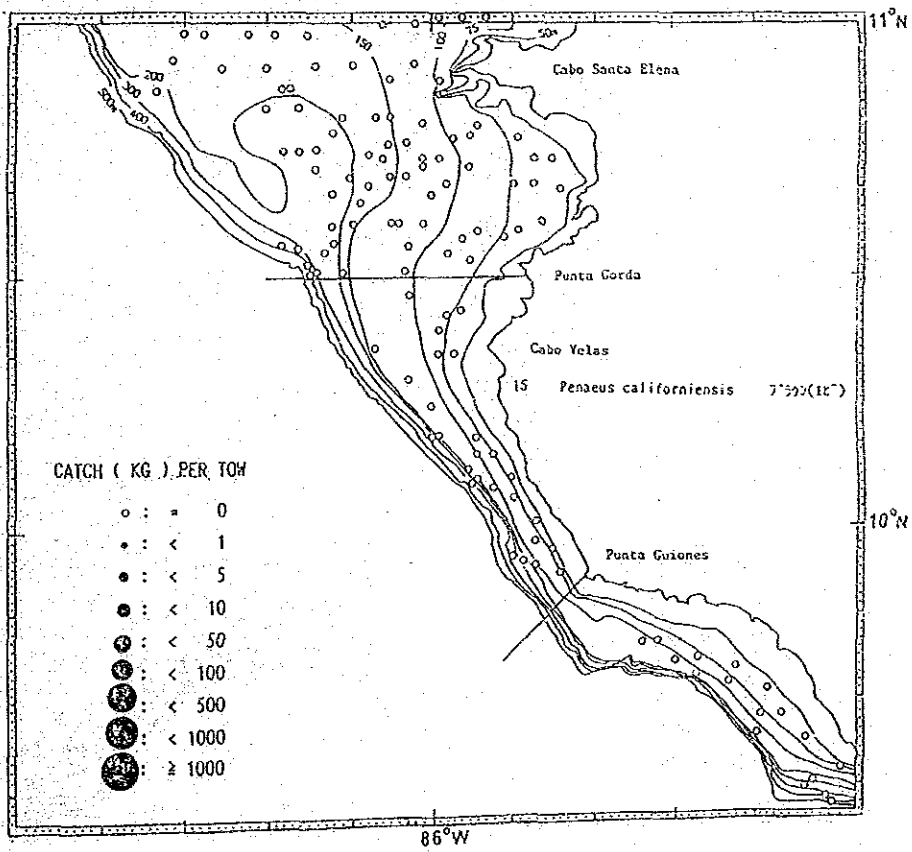
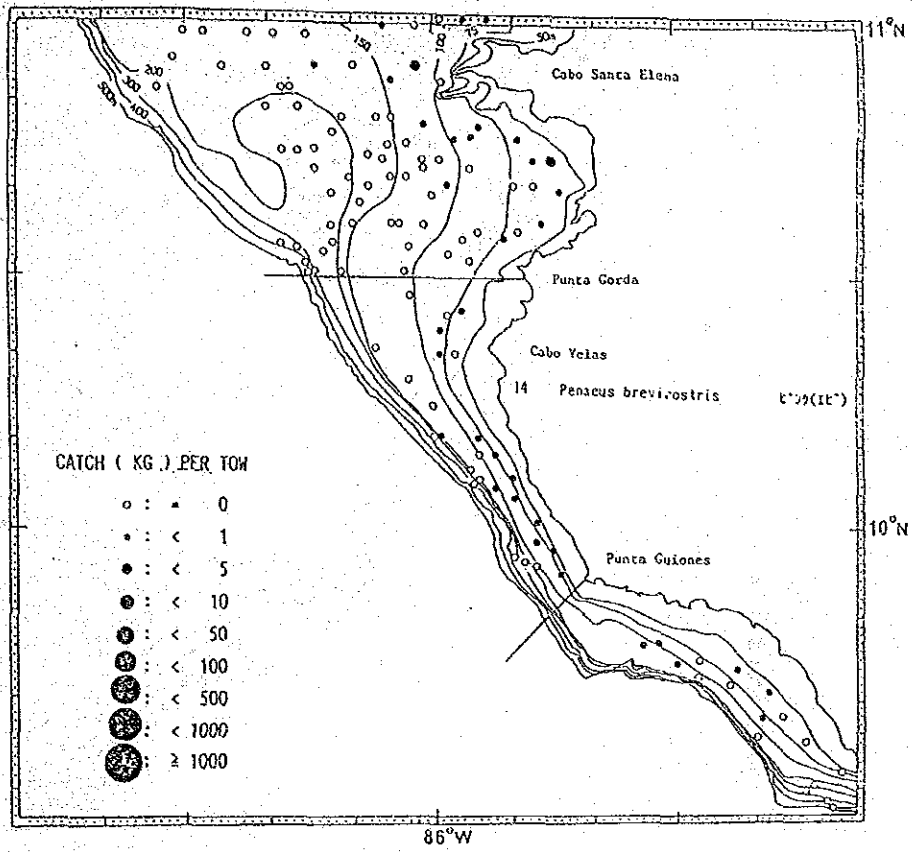


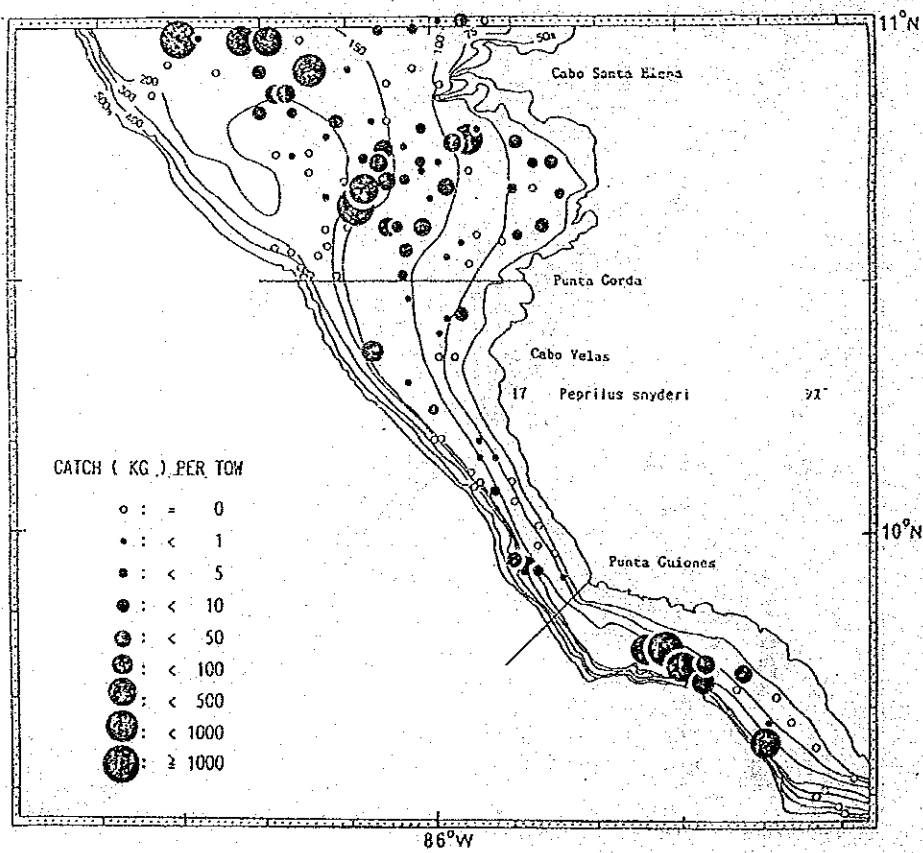
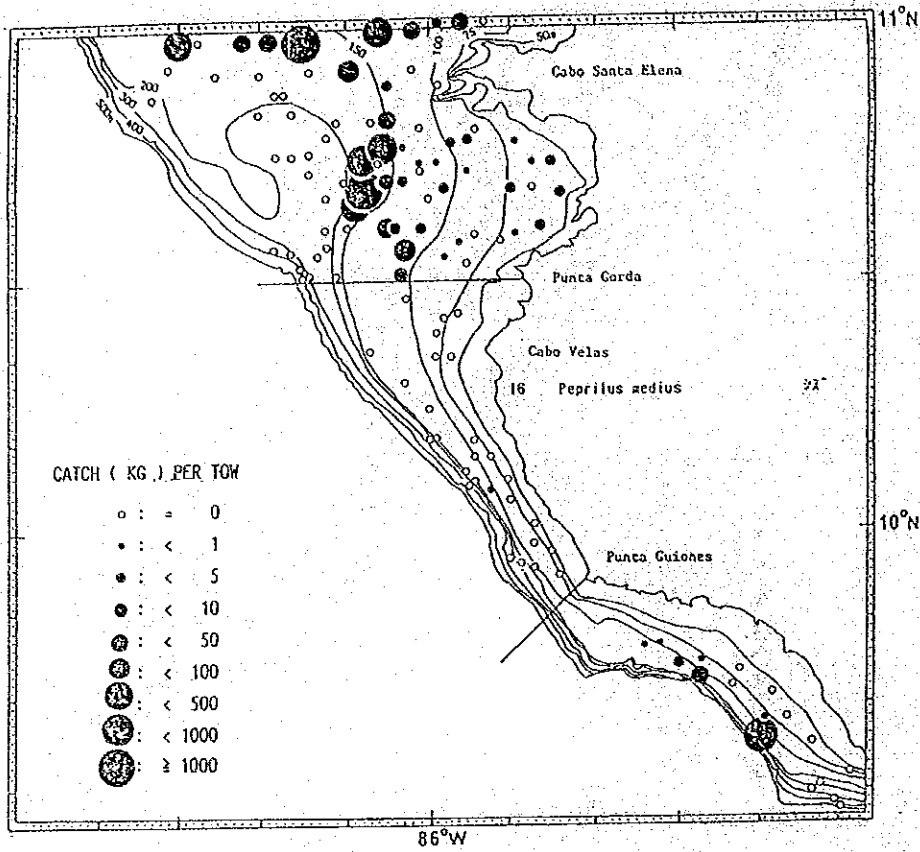


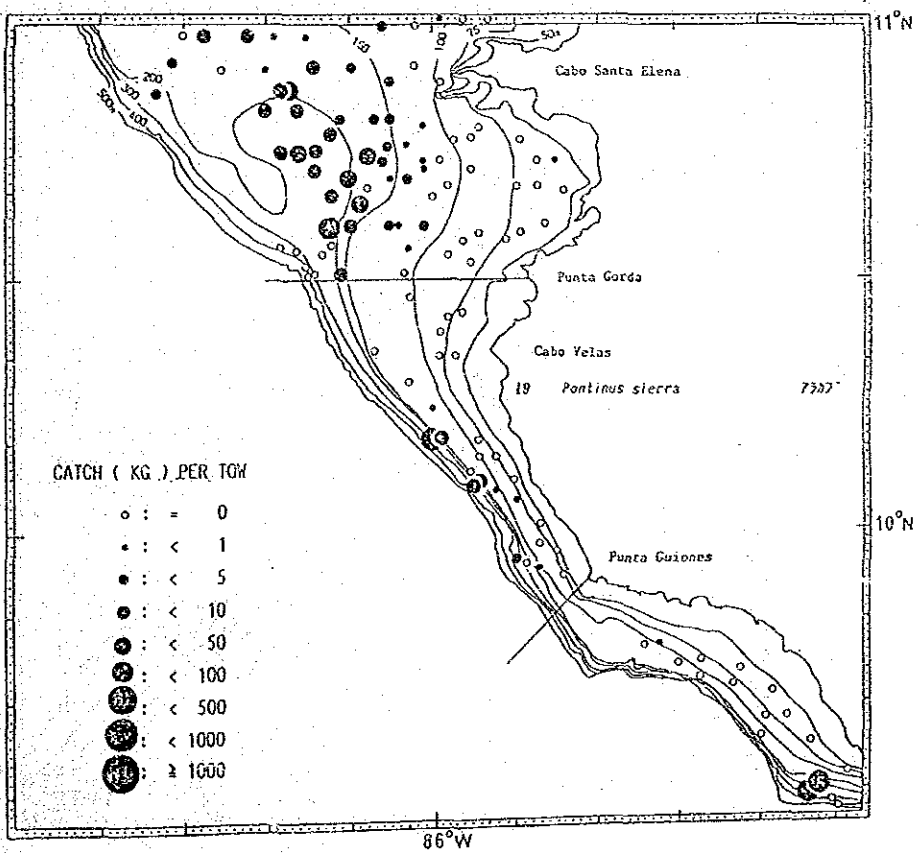
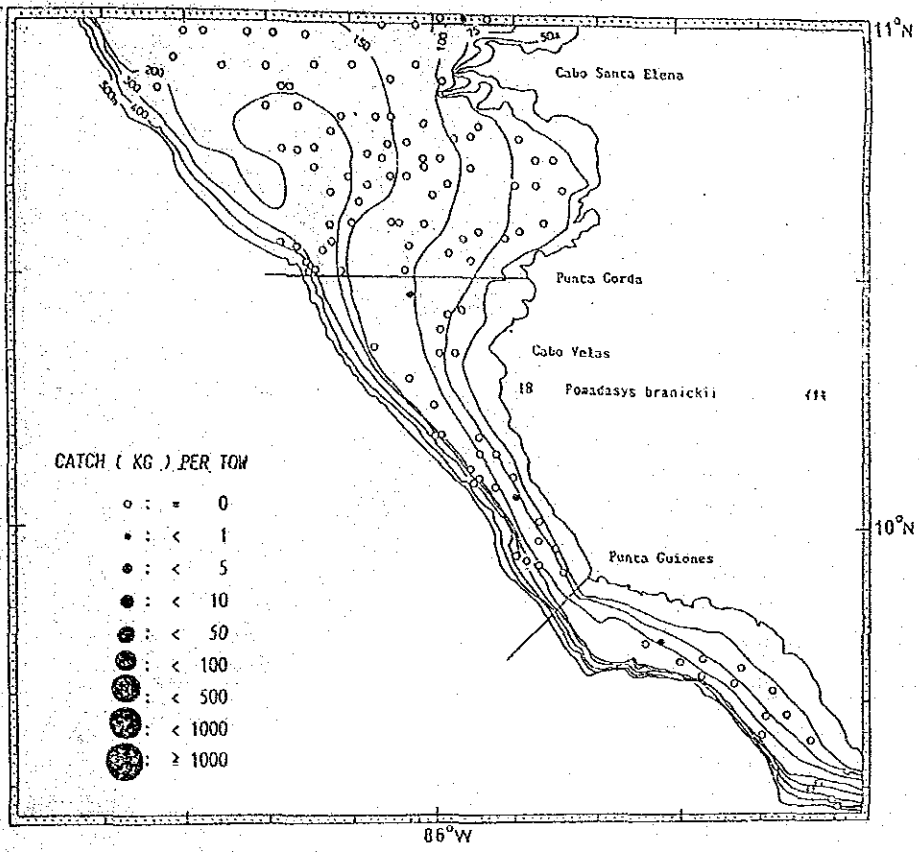


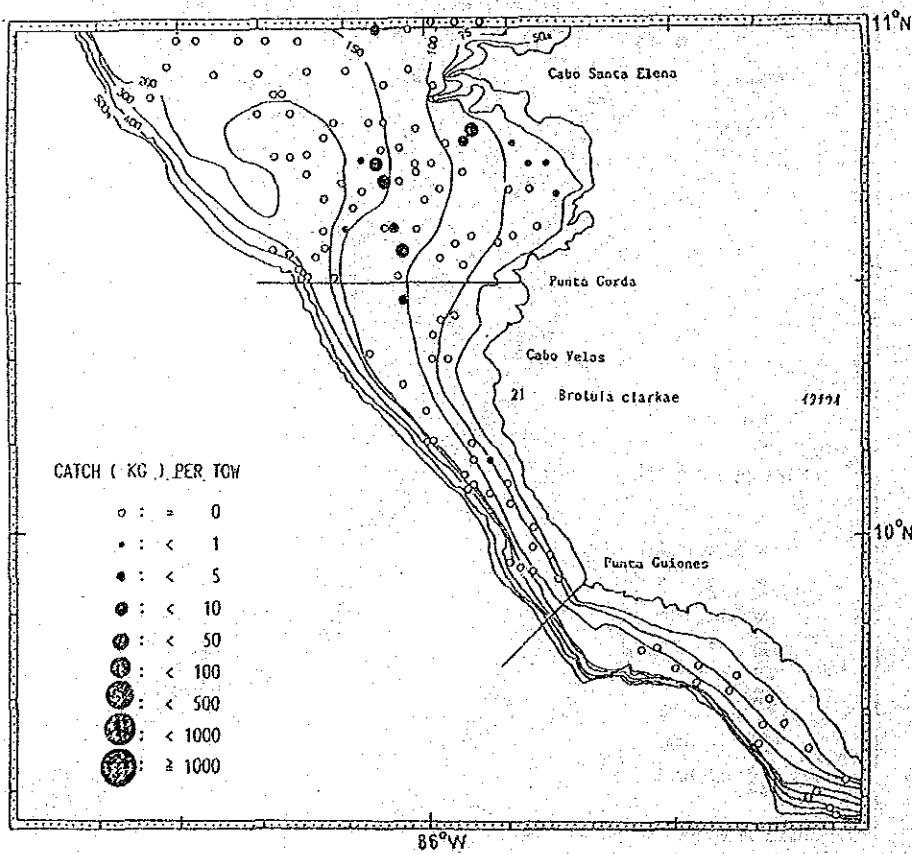
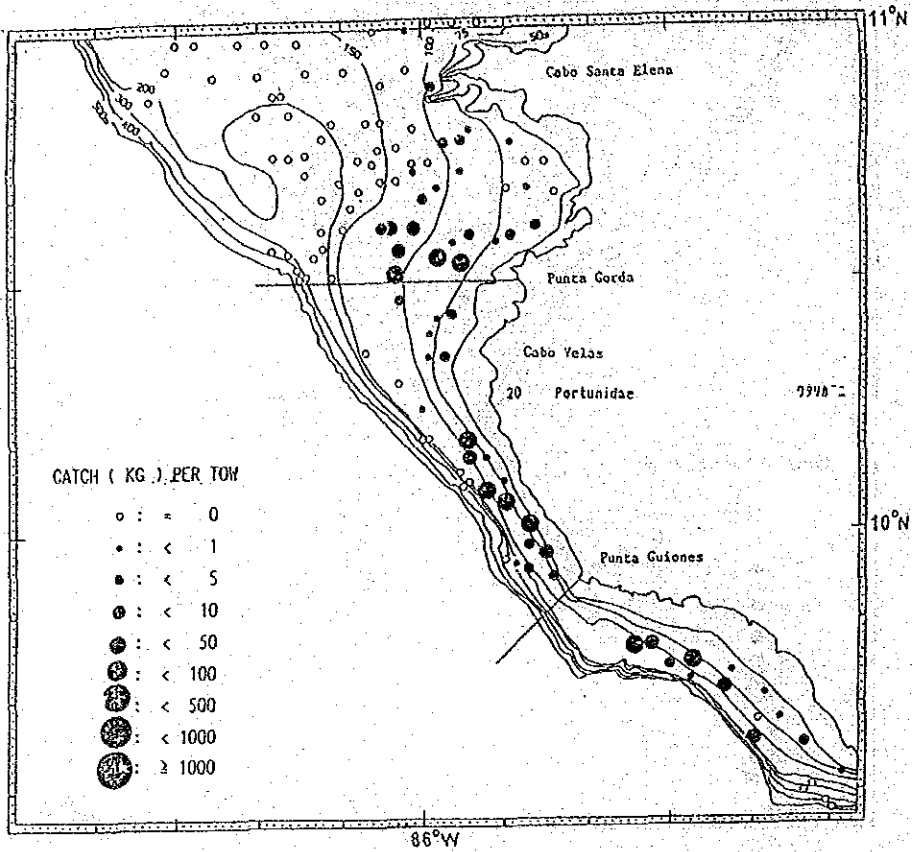


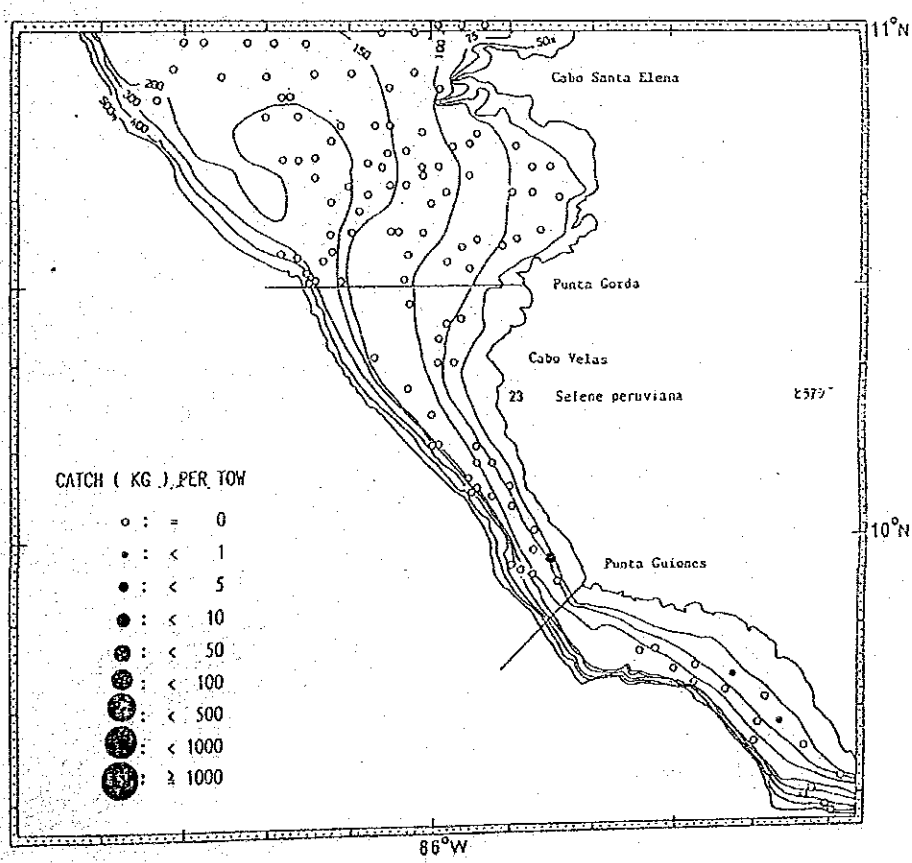
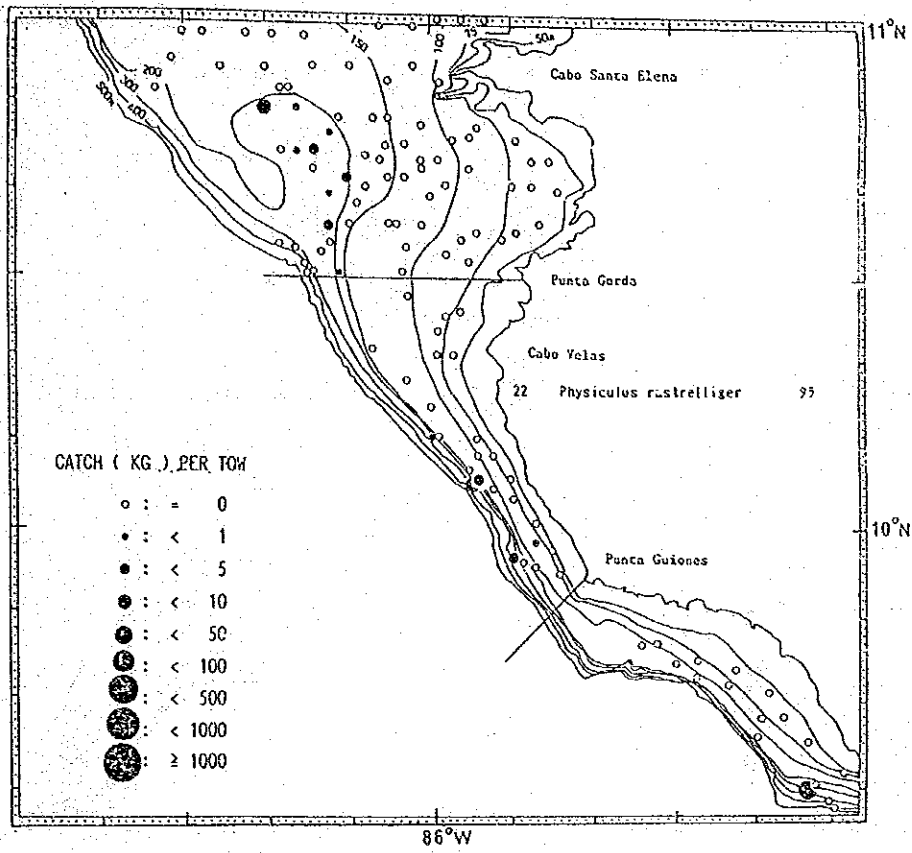


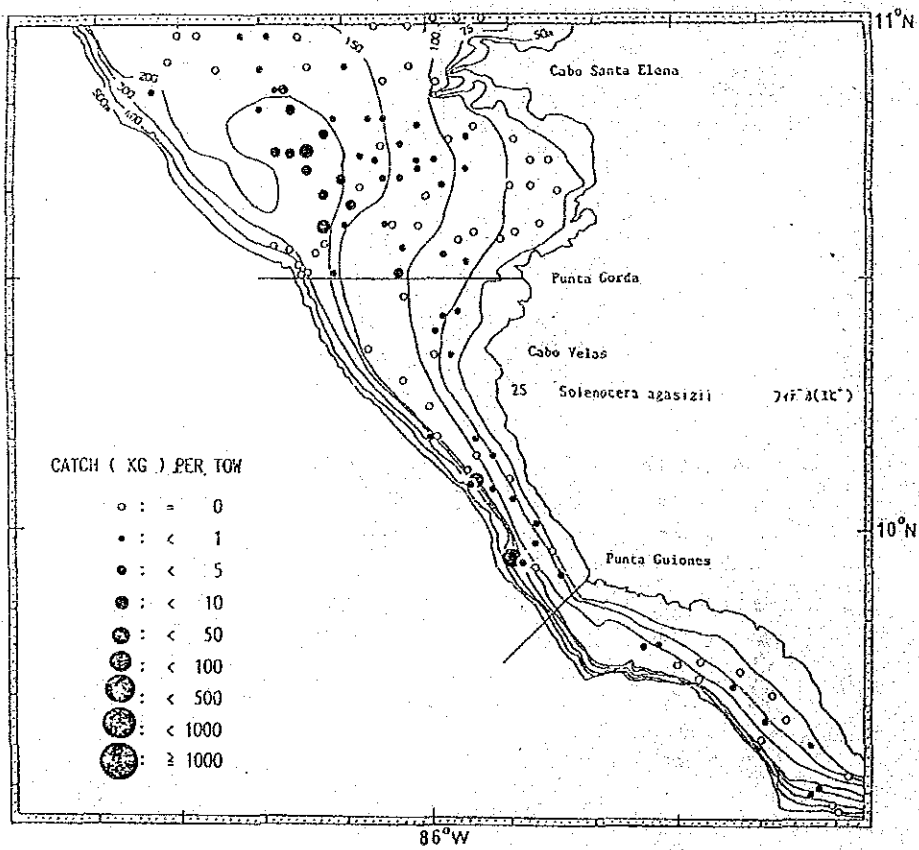
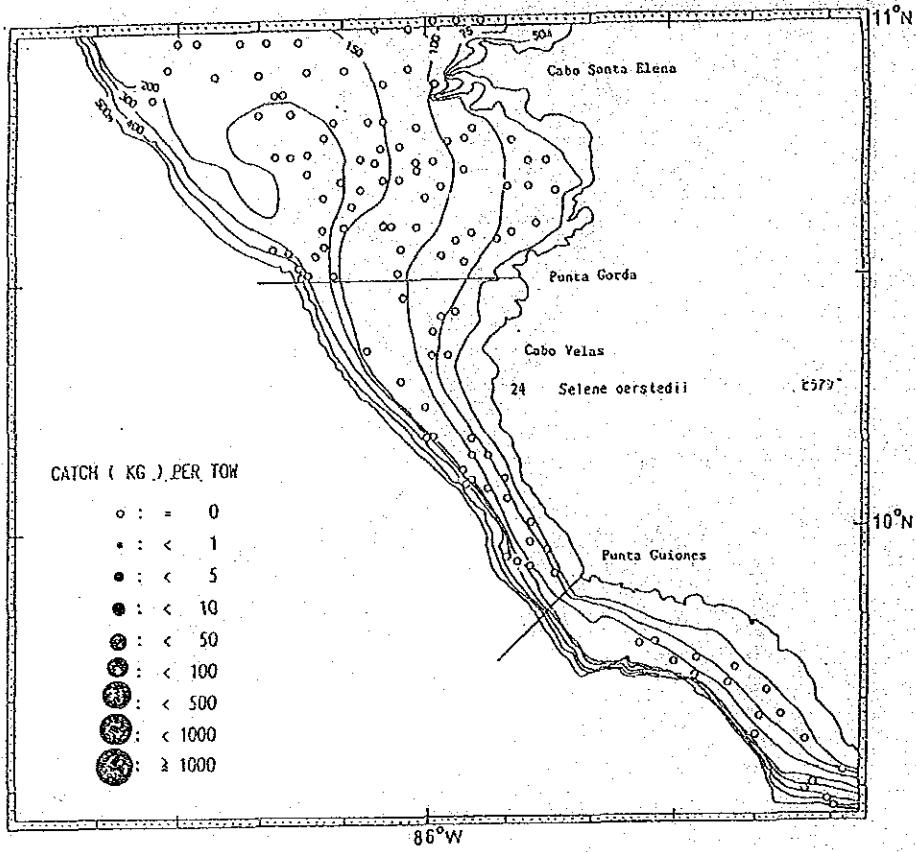


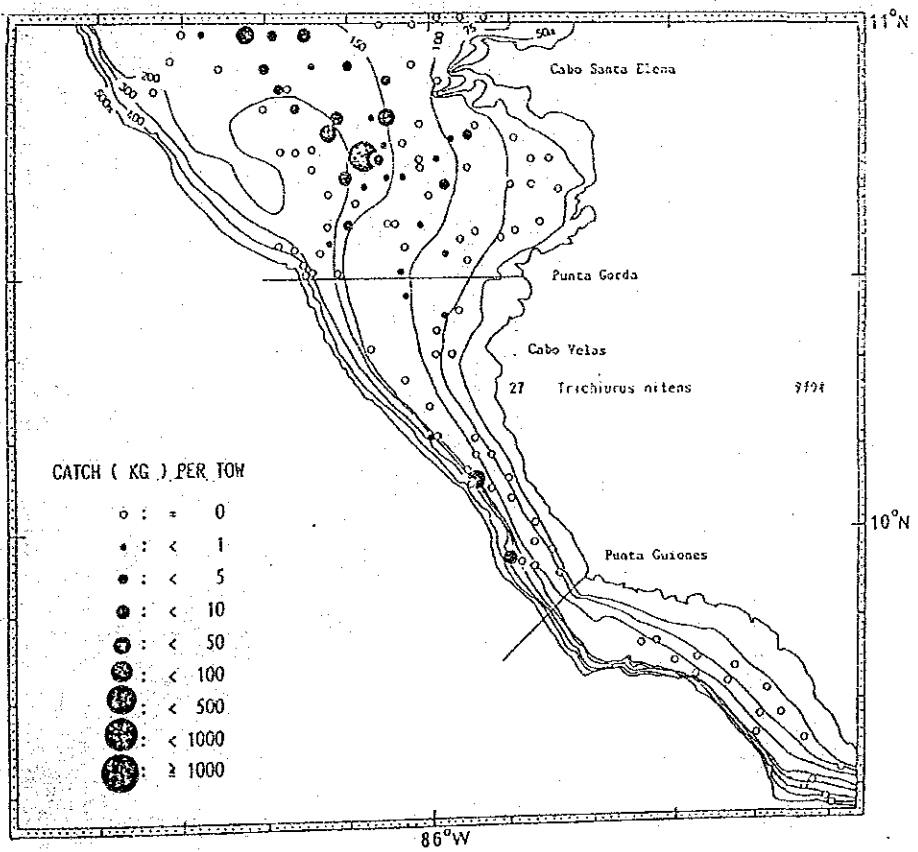
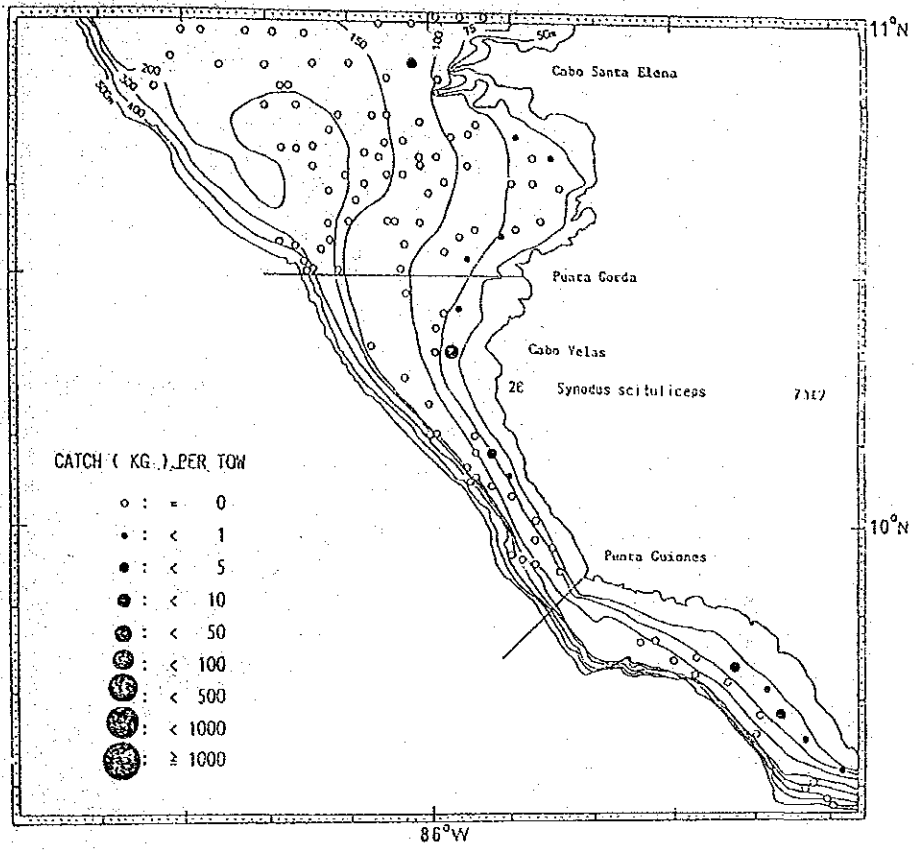


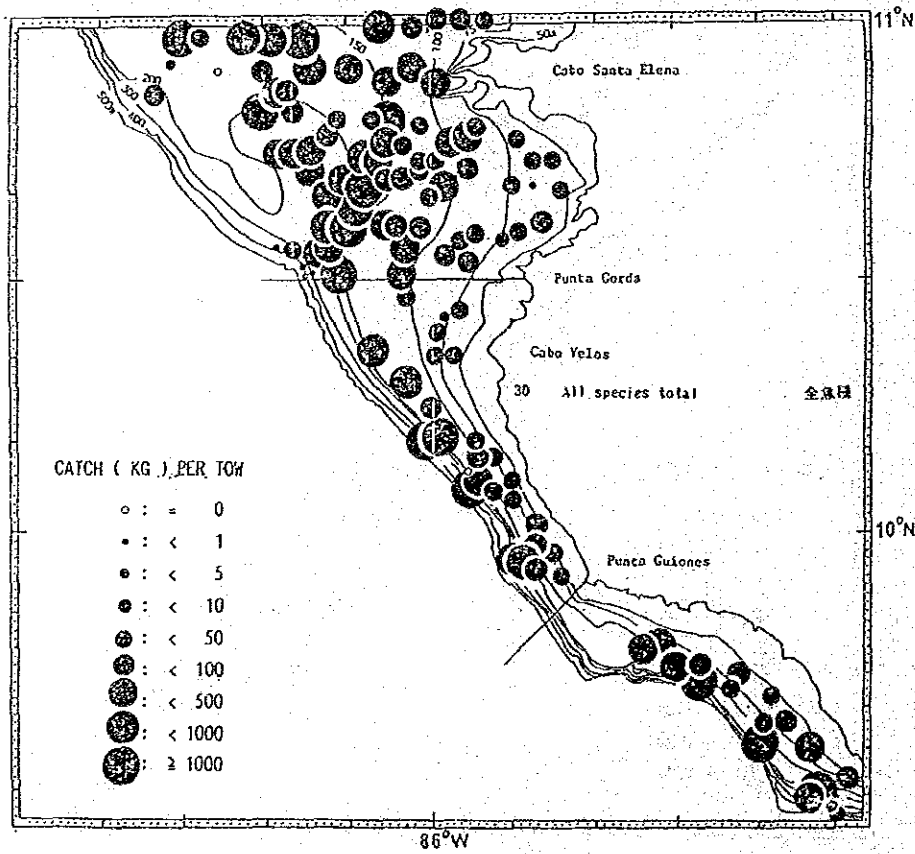
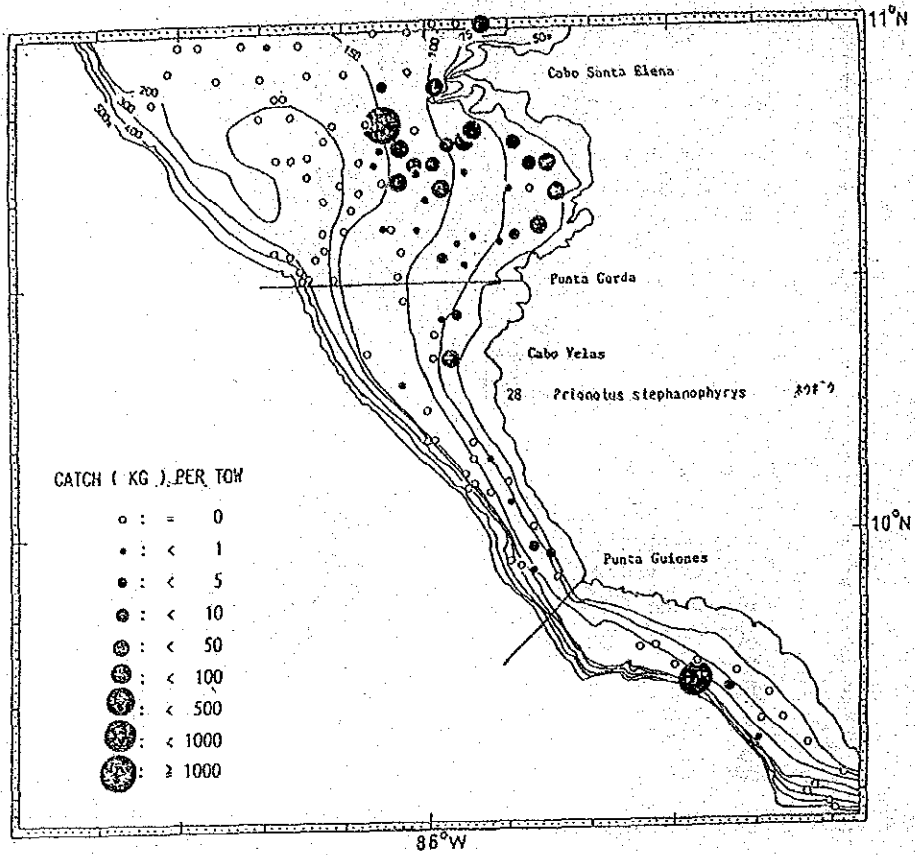




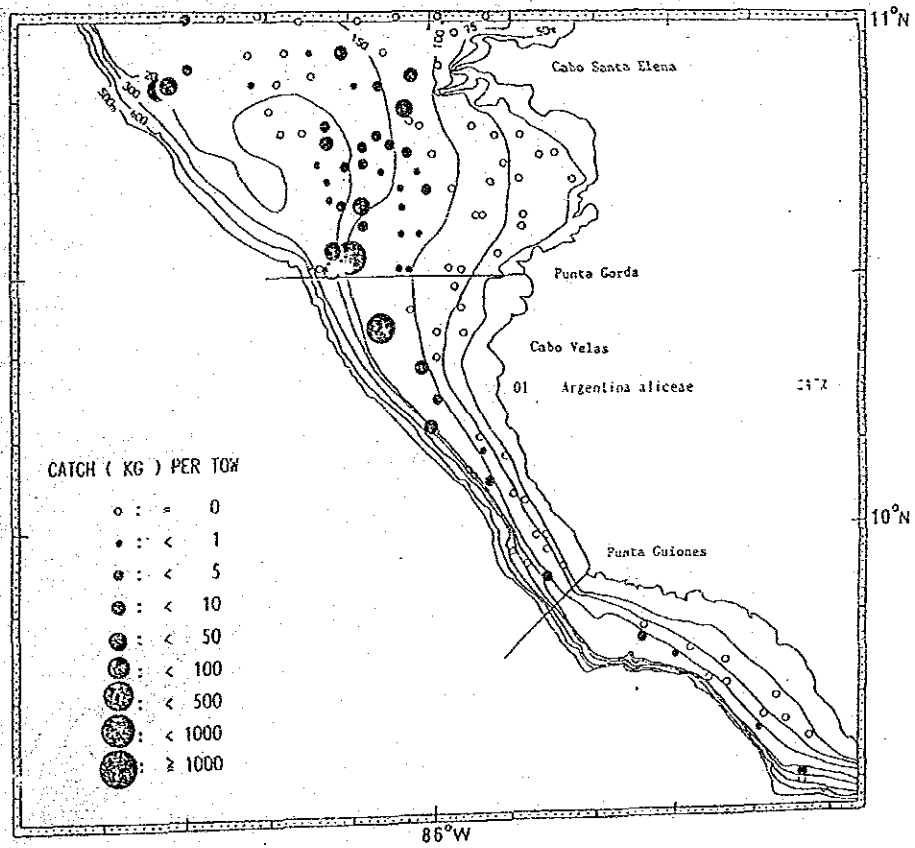
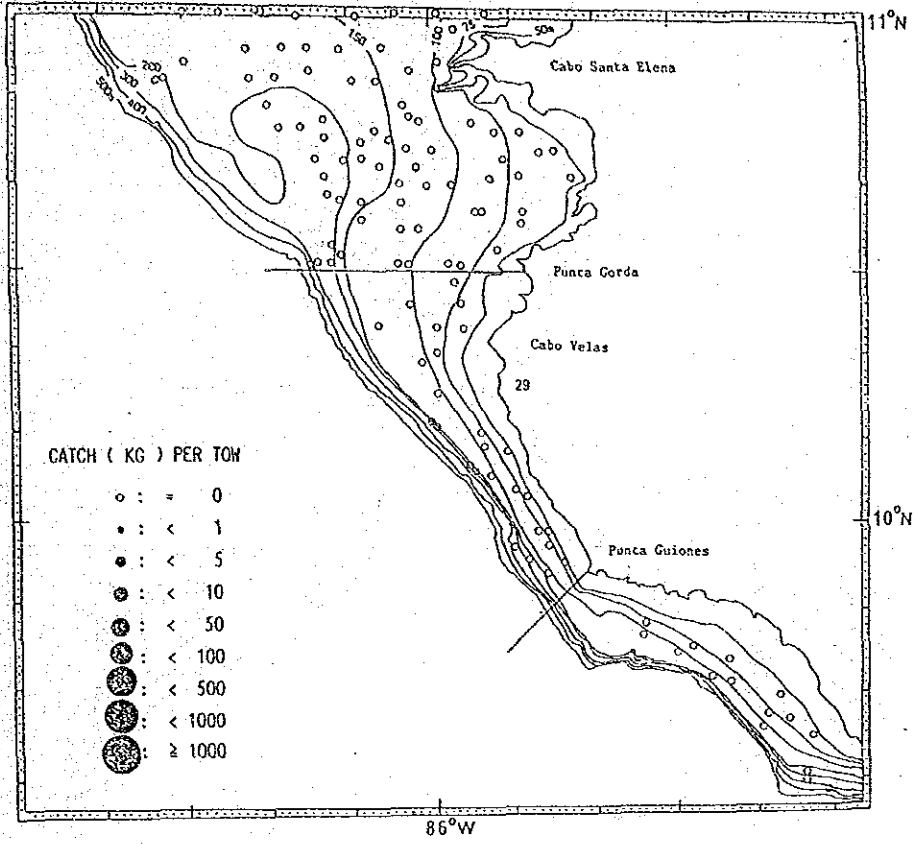


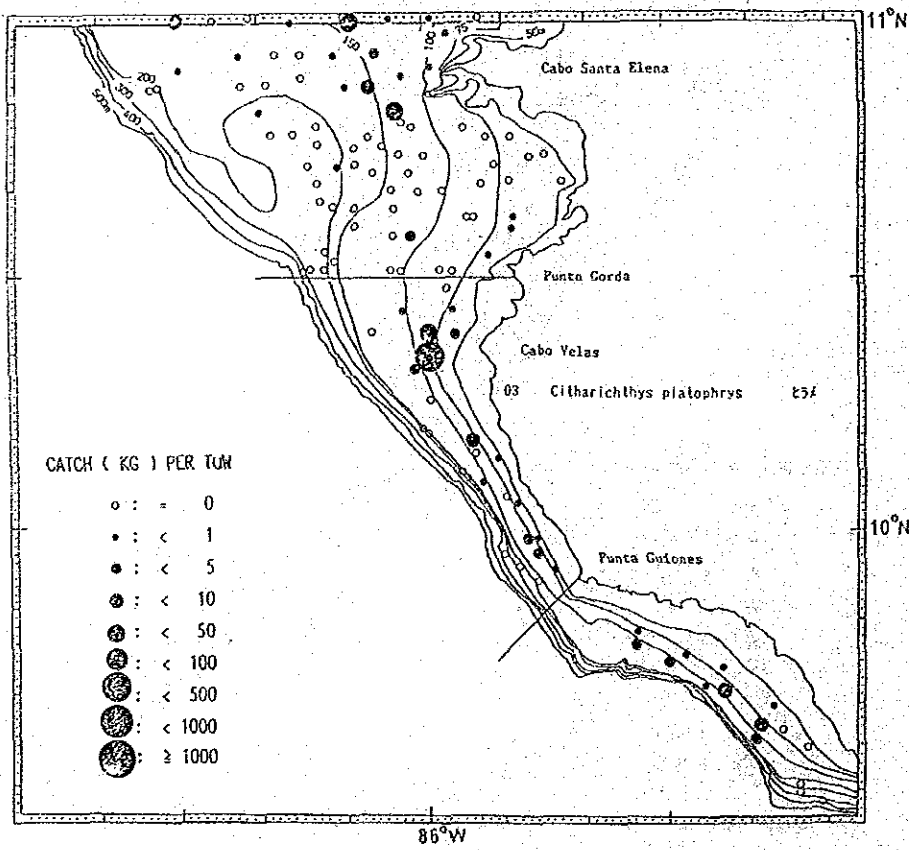
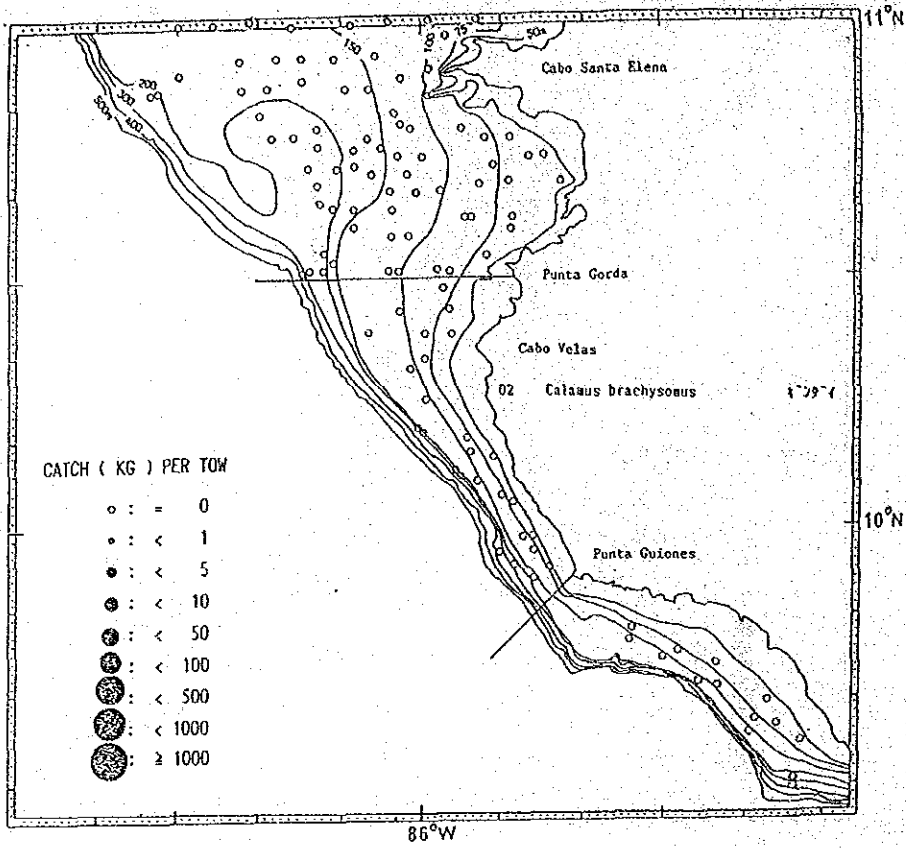


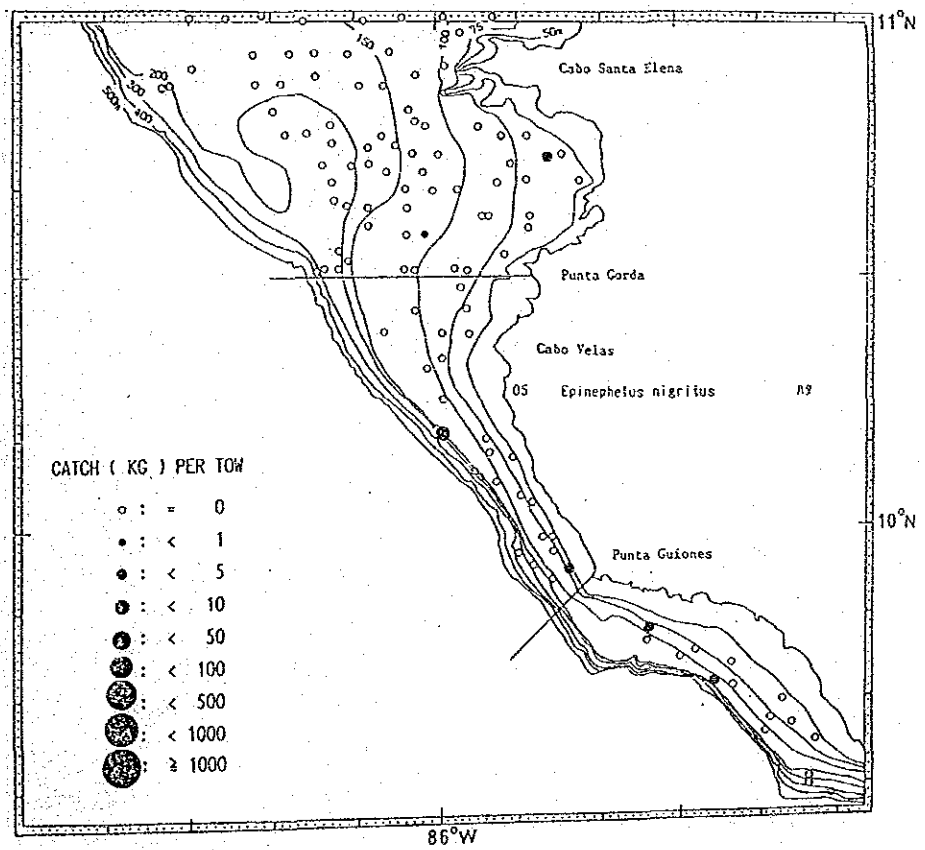
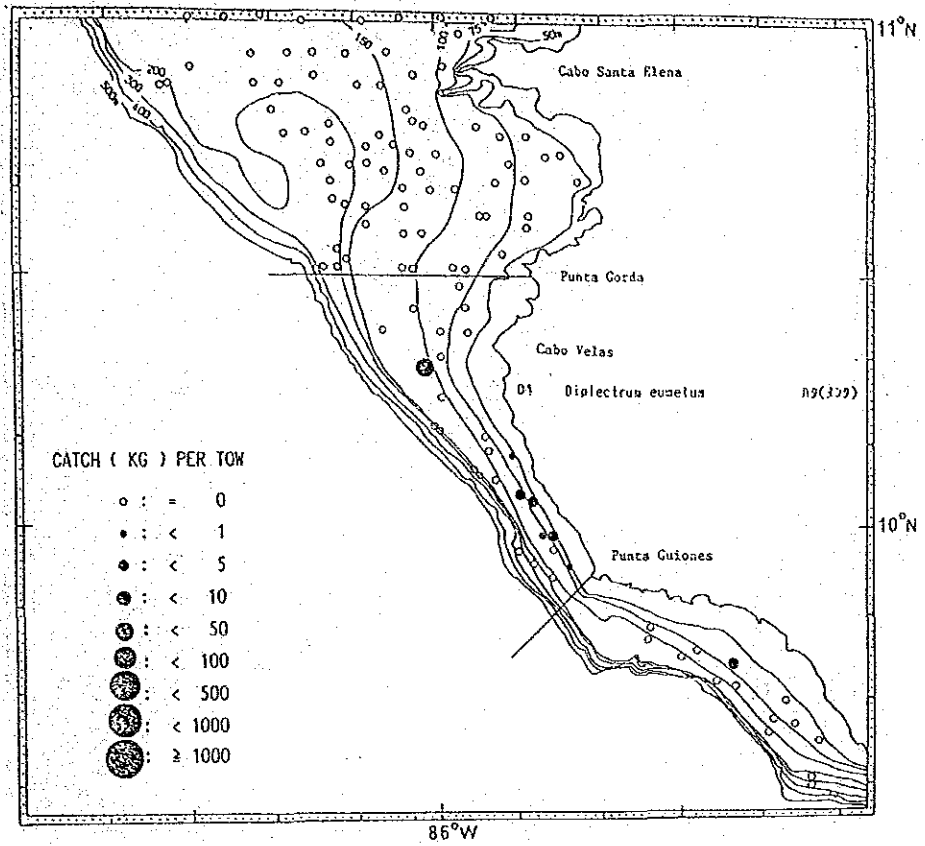


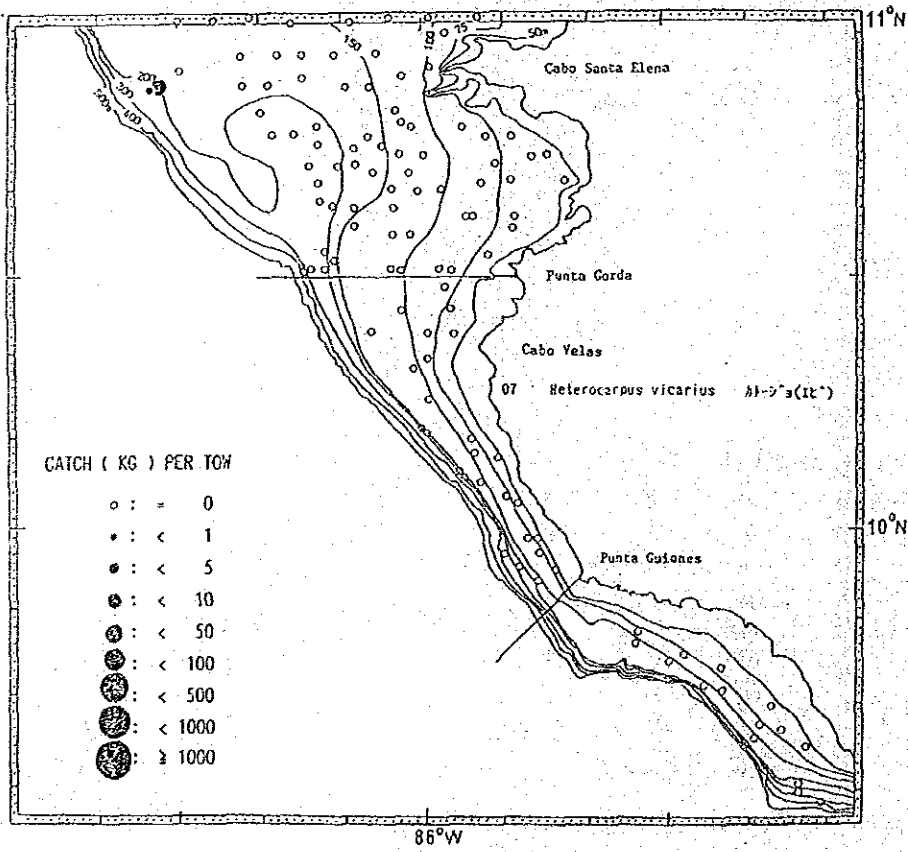
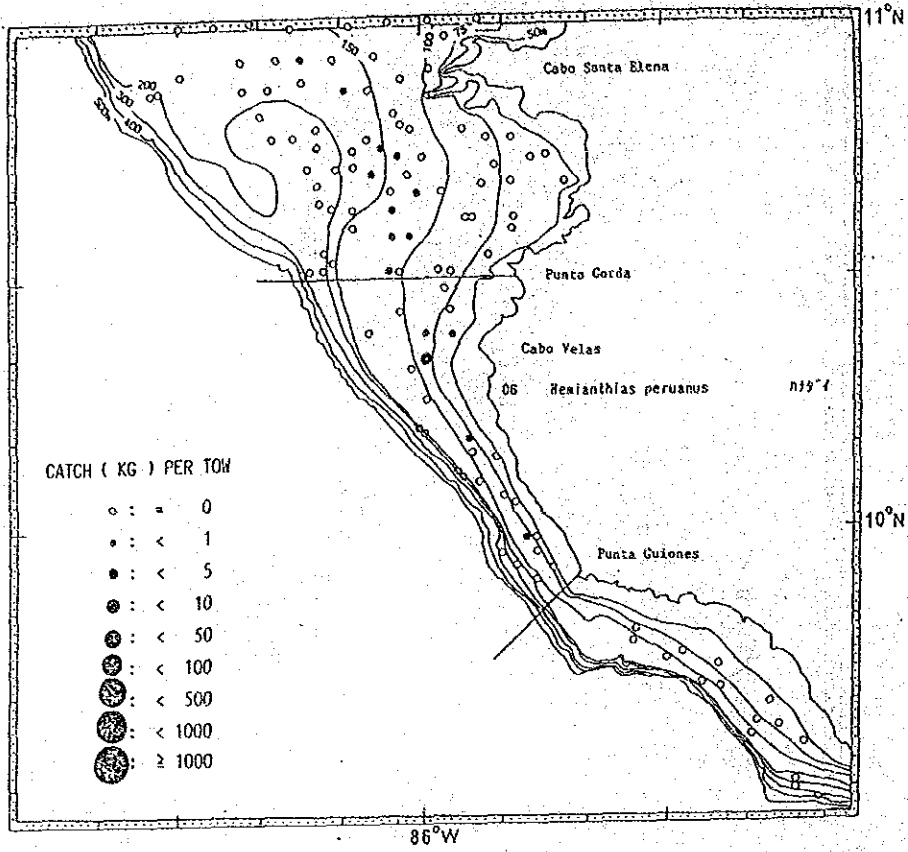


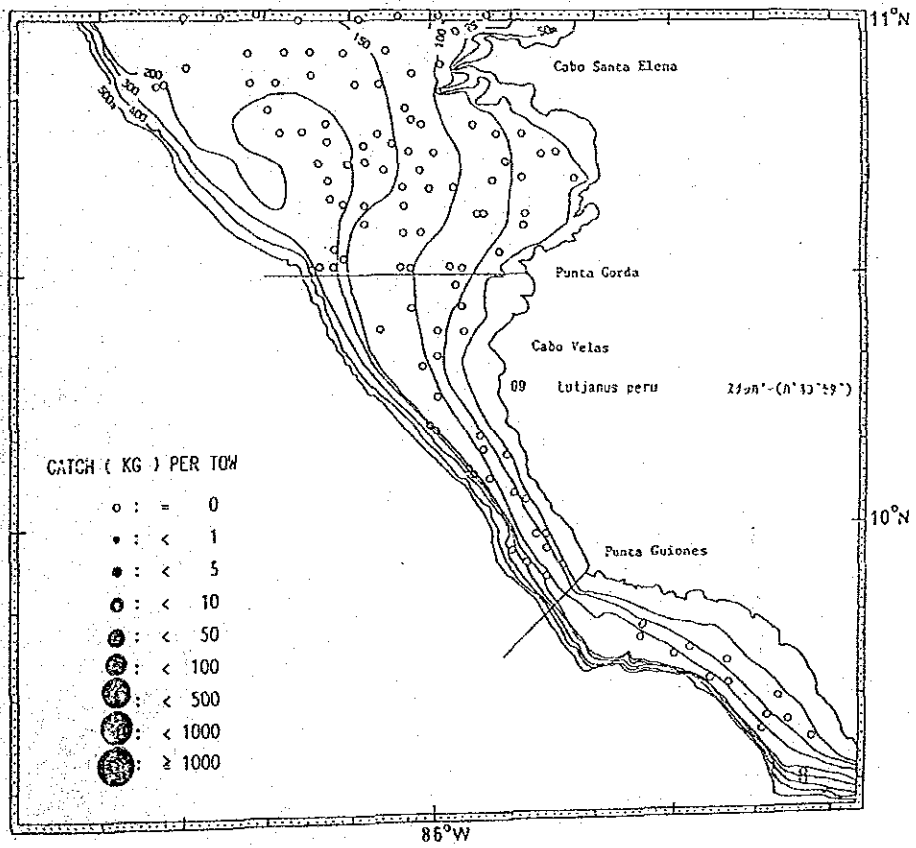
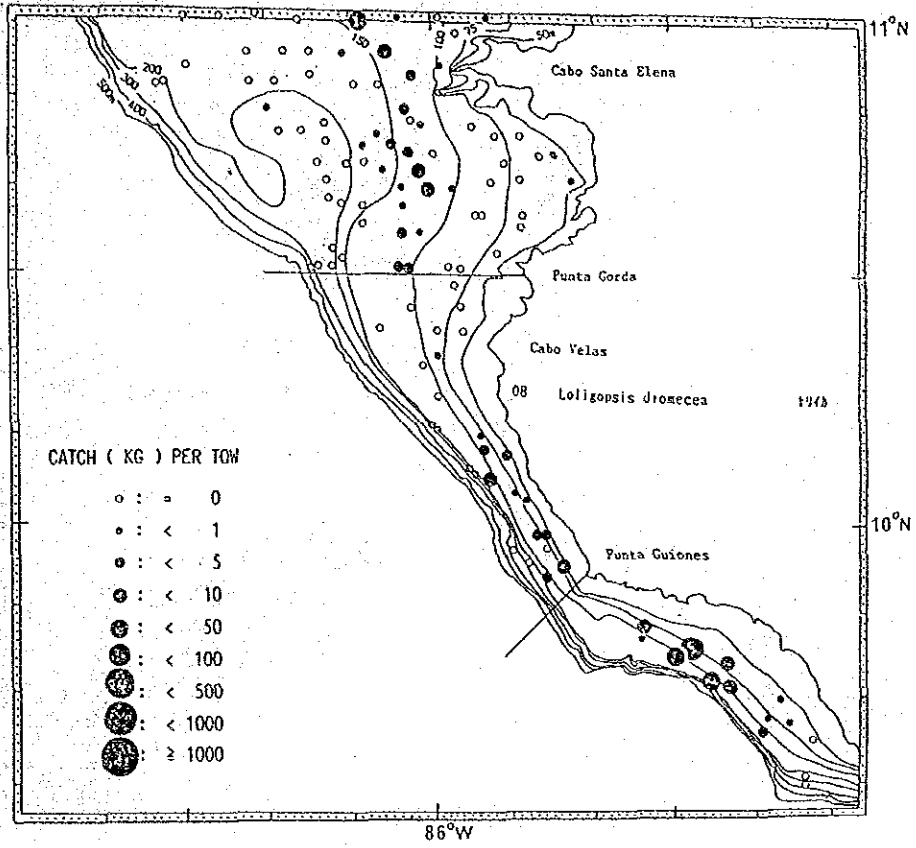
Appendix Fig.-4d 主要魚種の分布図(1統曳10-1網 4回目)

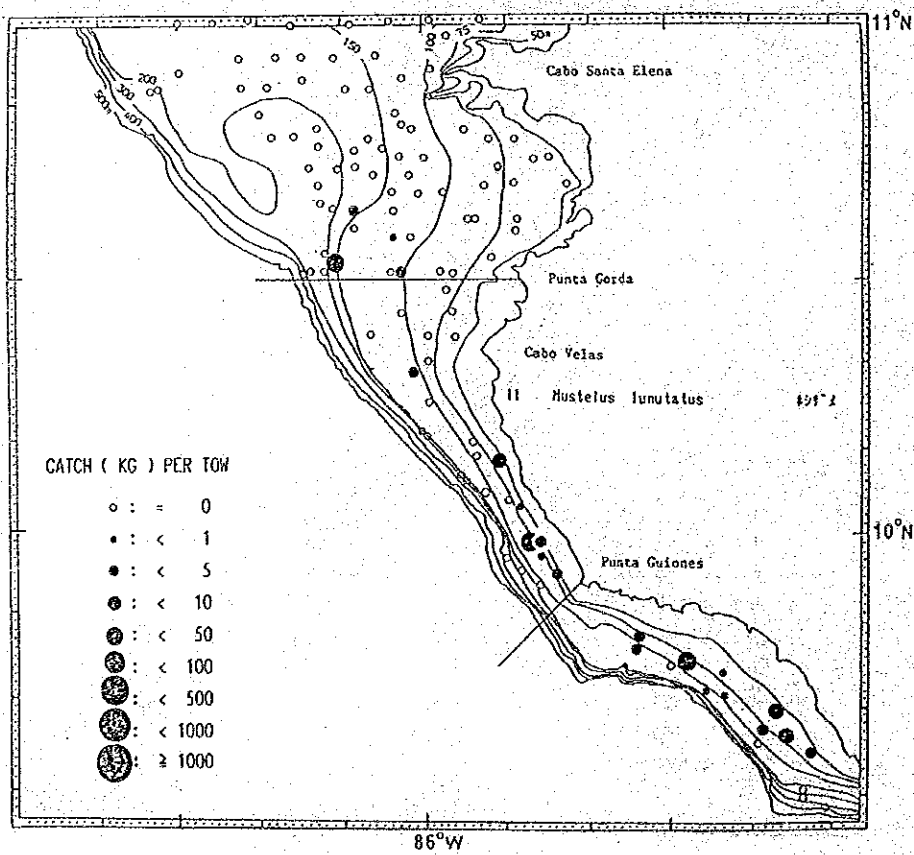
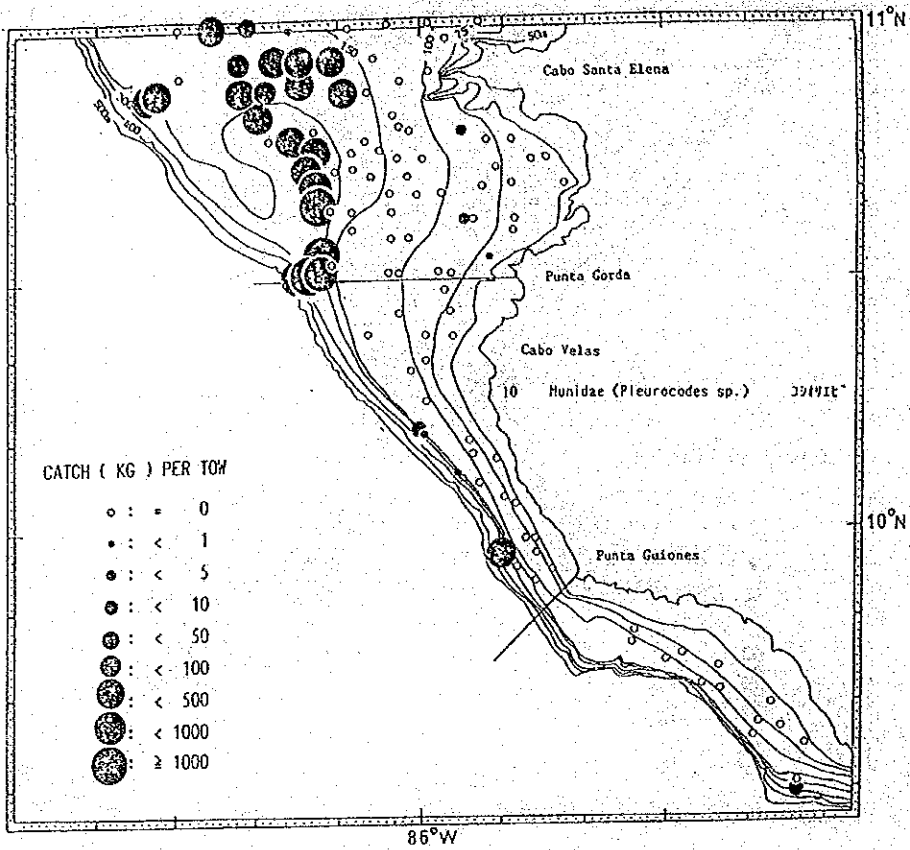


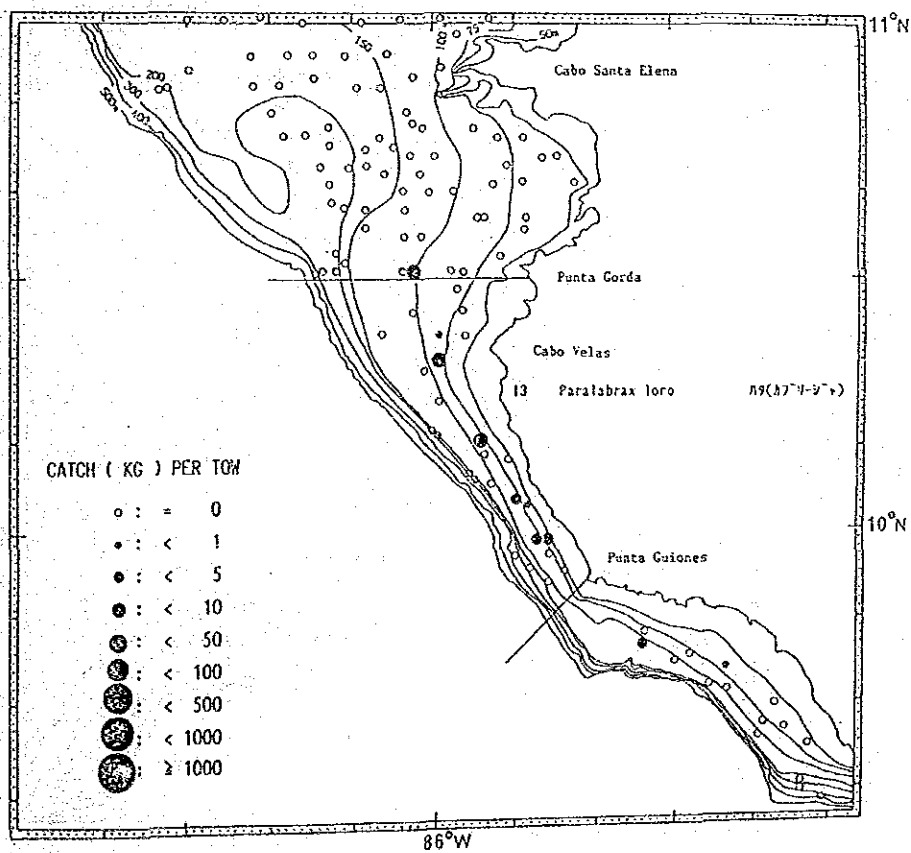
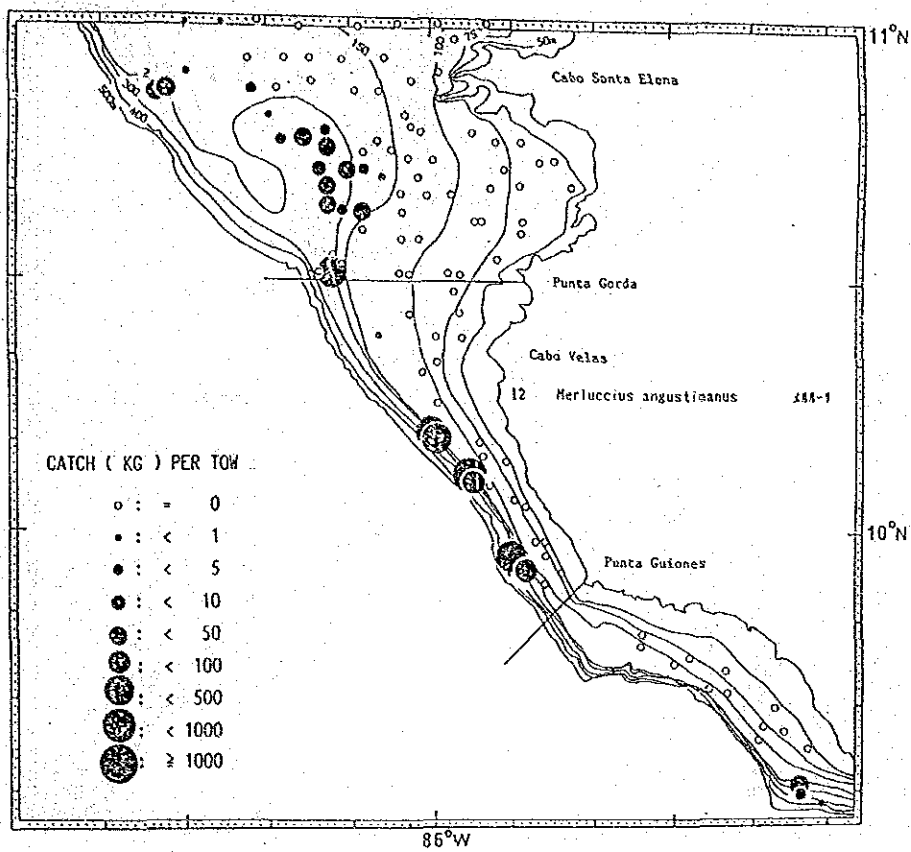


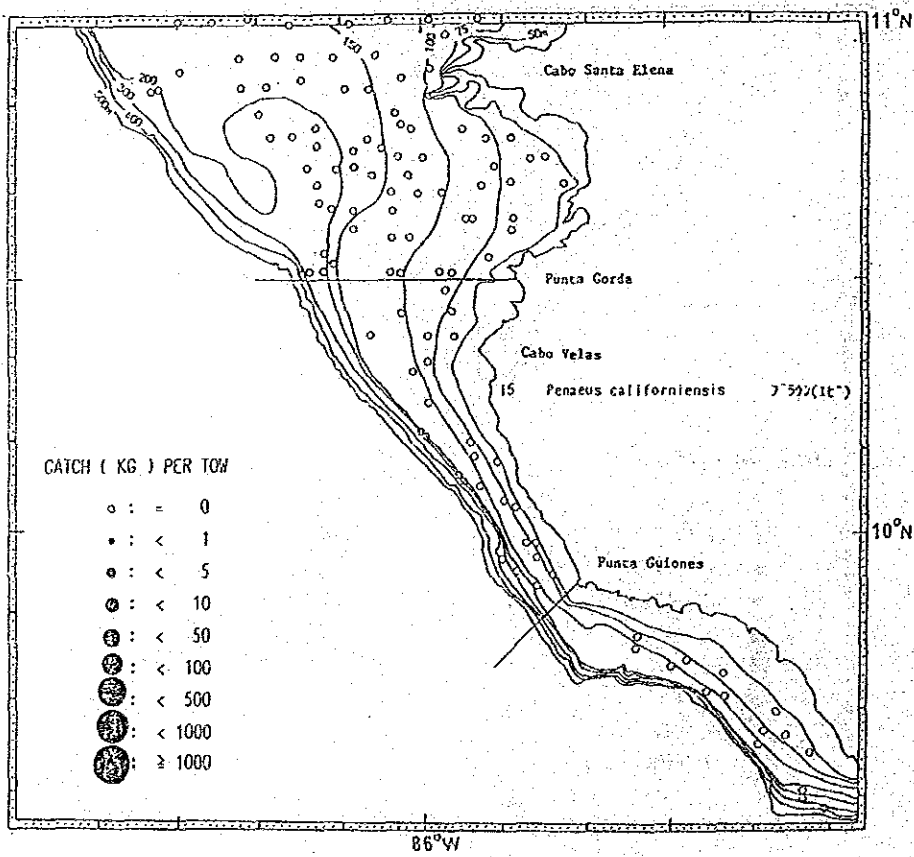
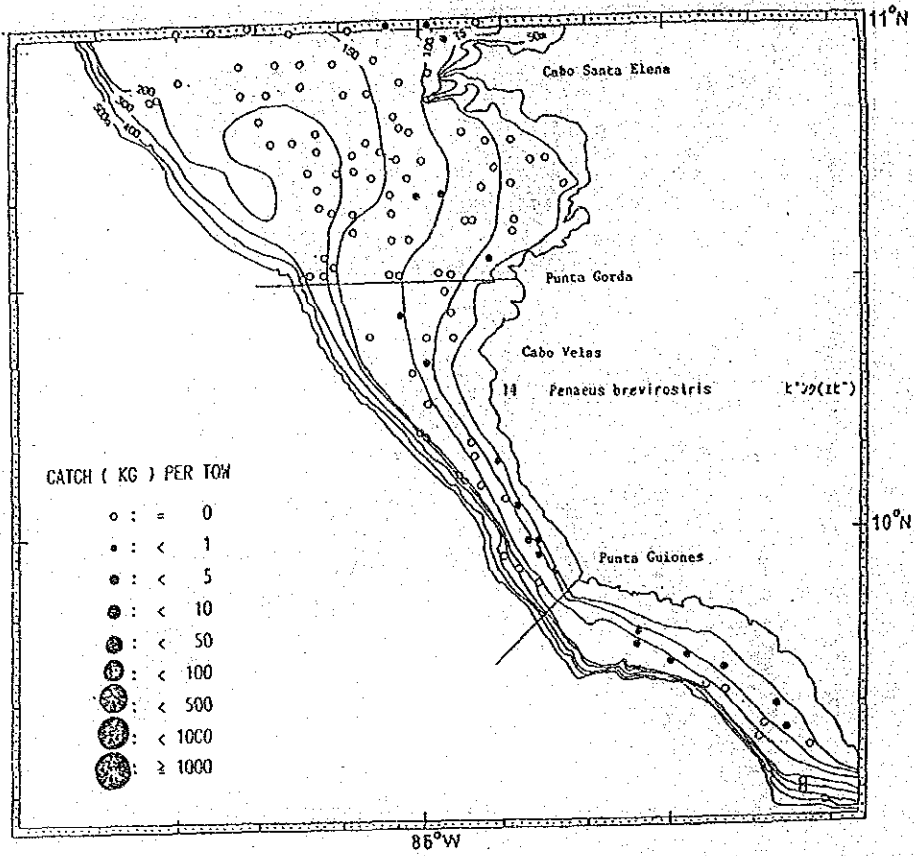


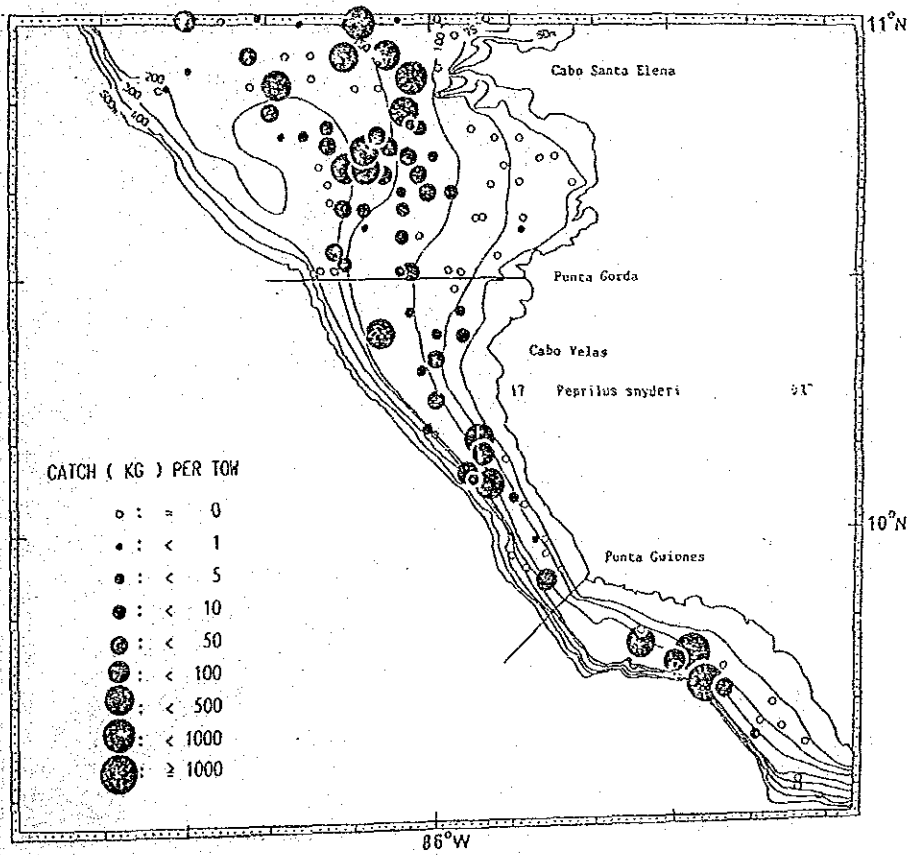
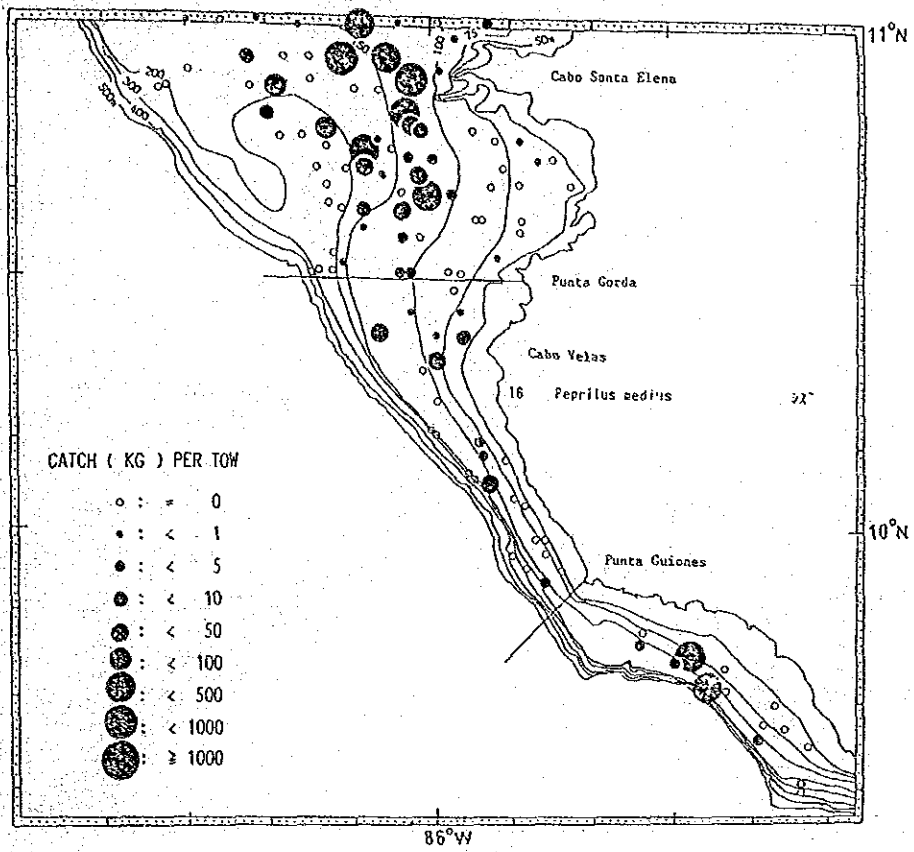


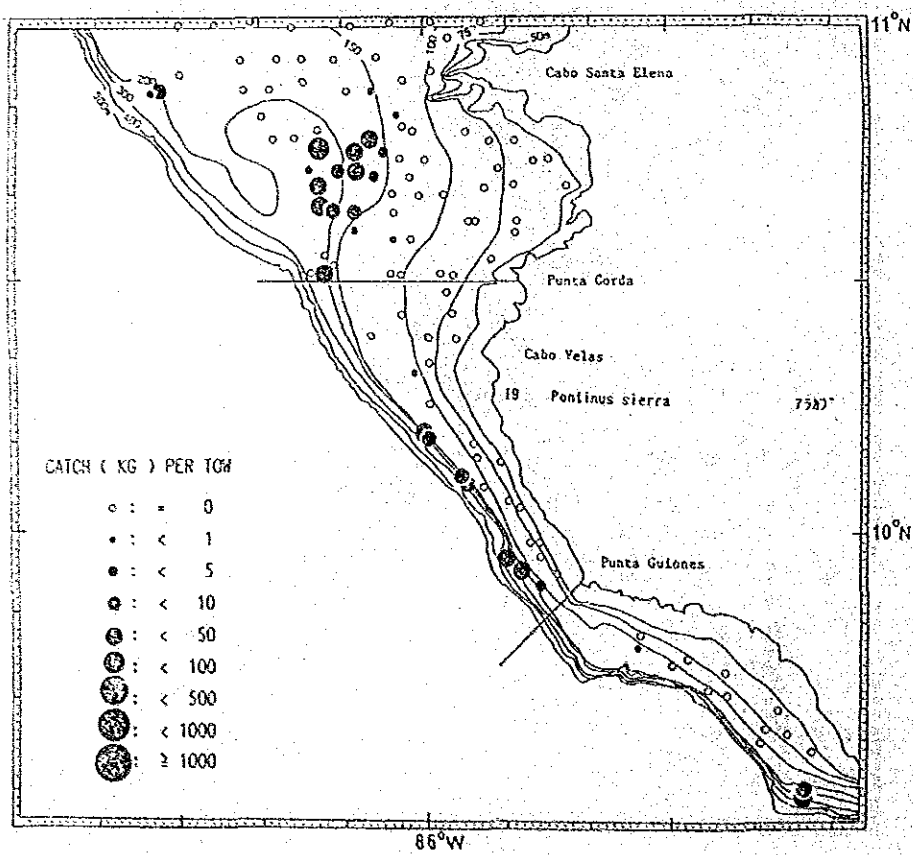
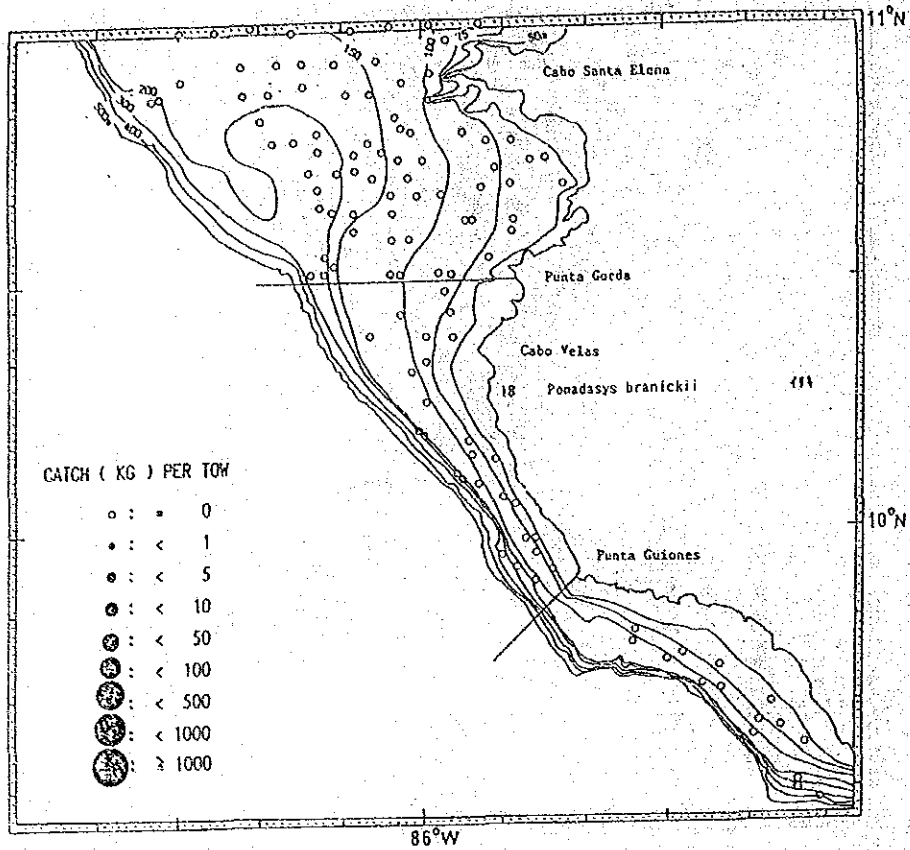


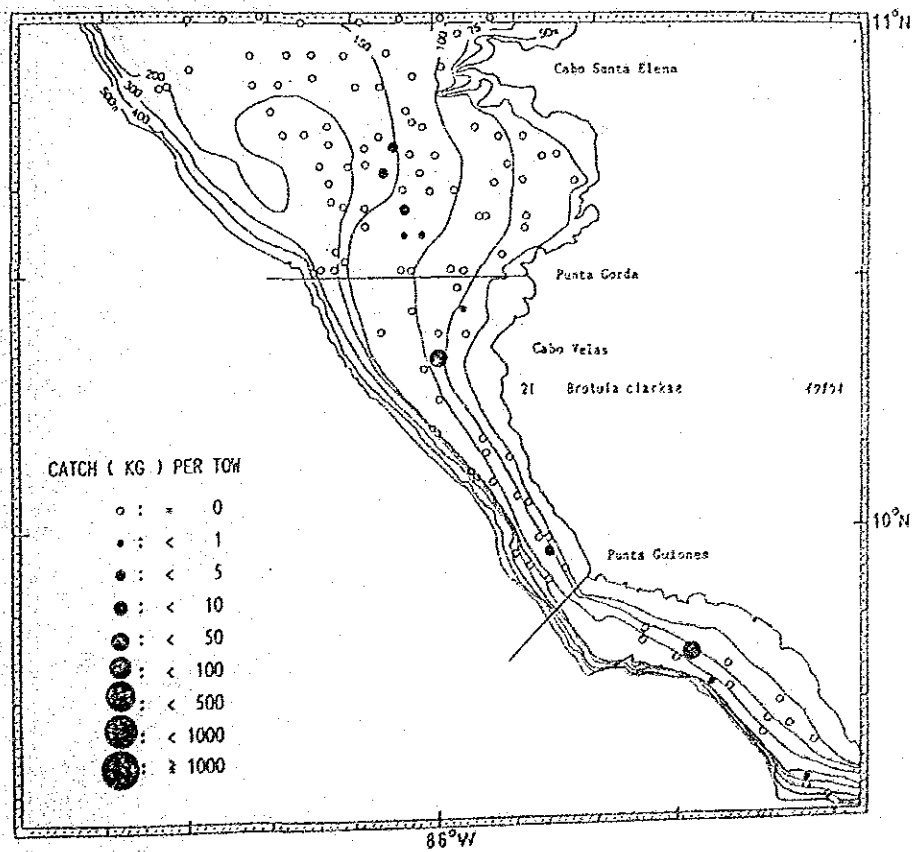
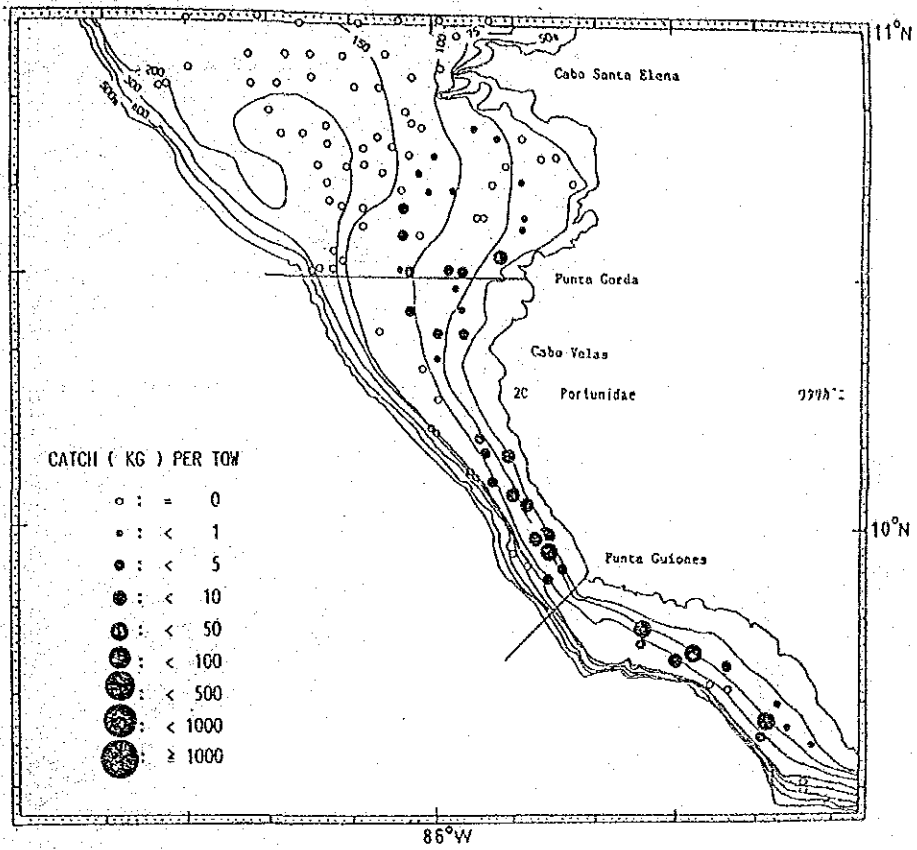


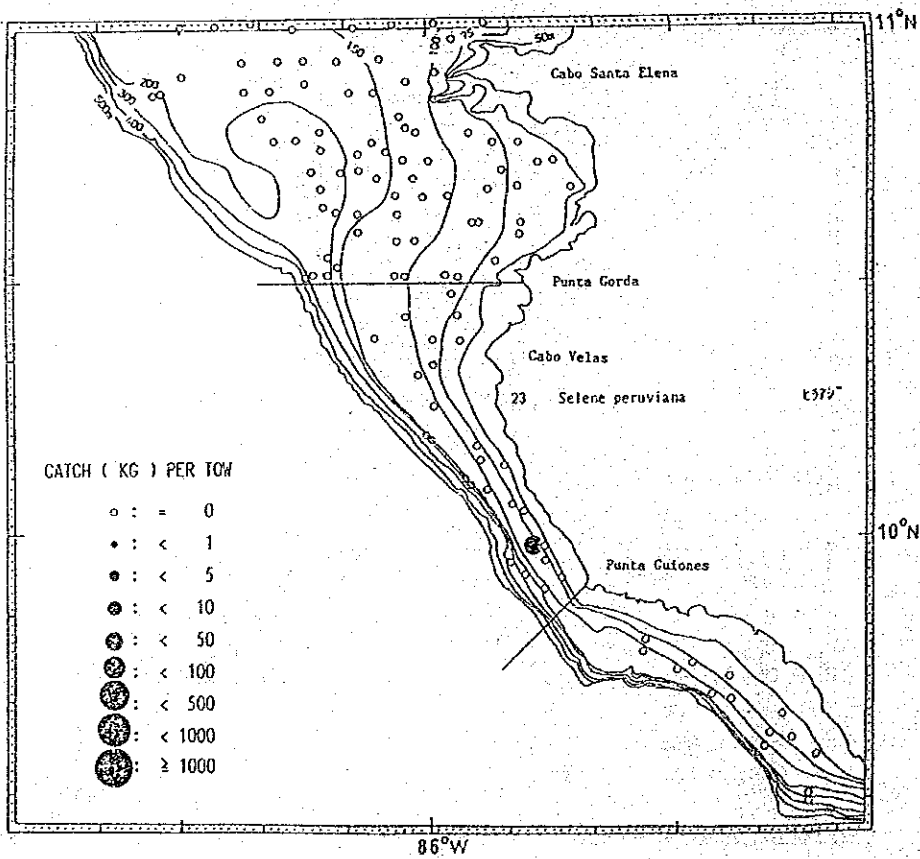
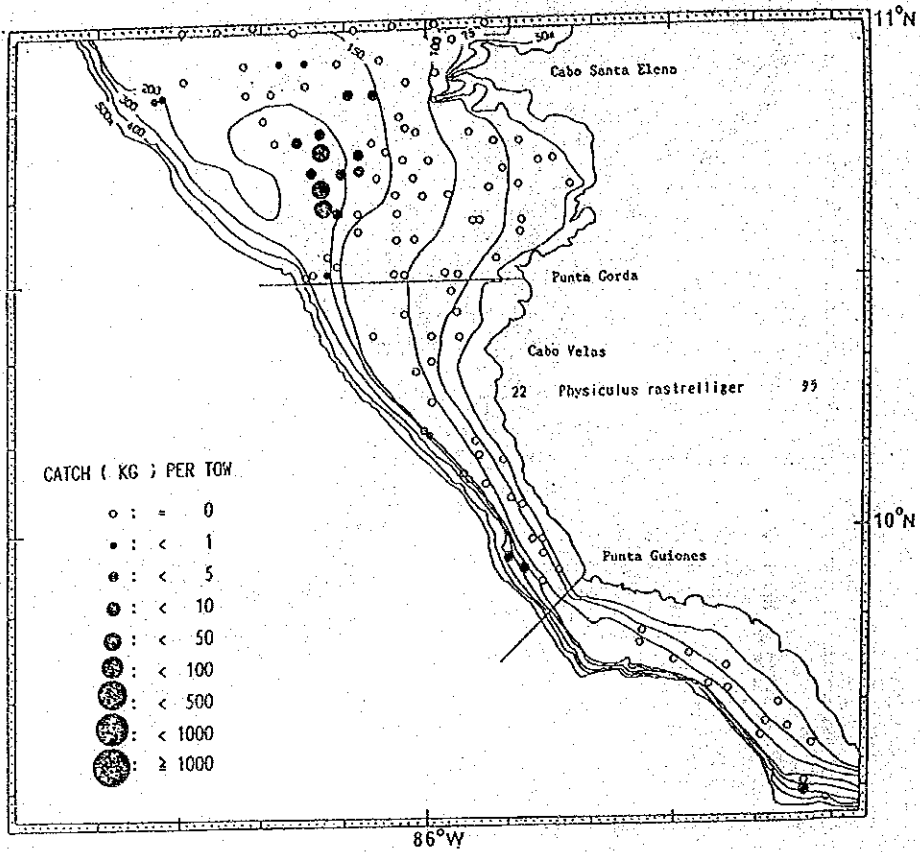


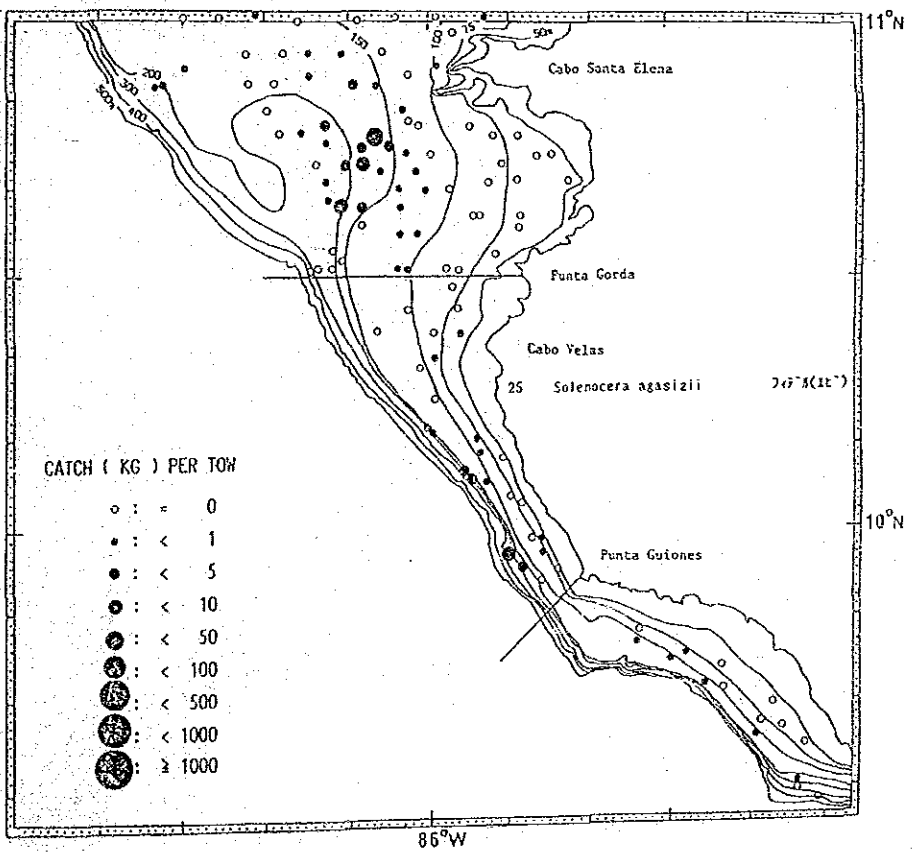
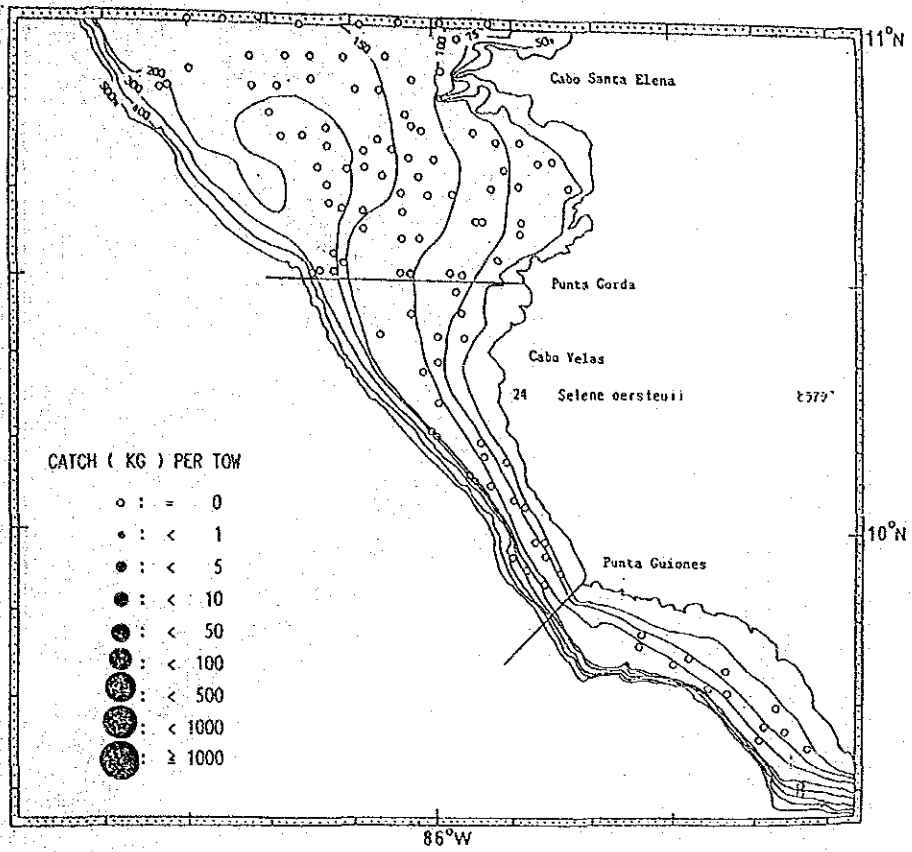


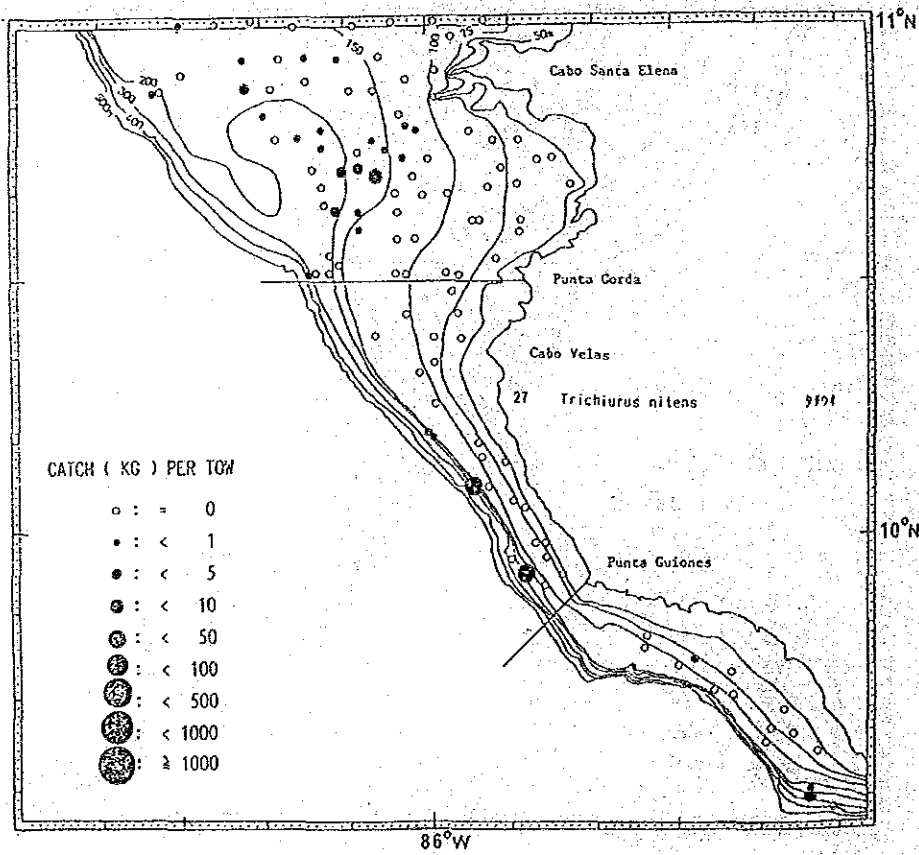
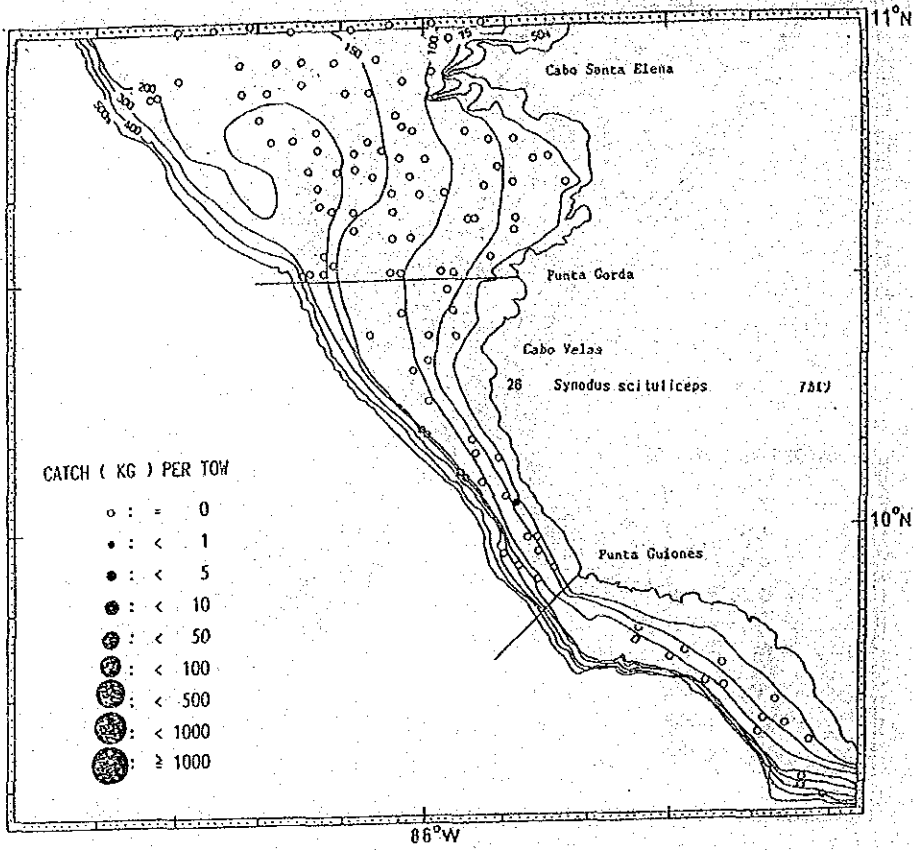


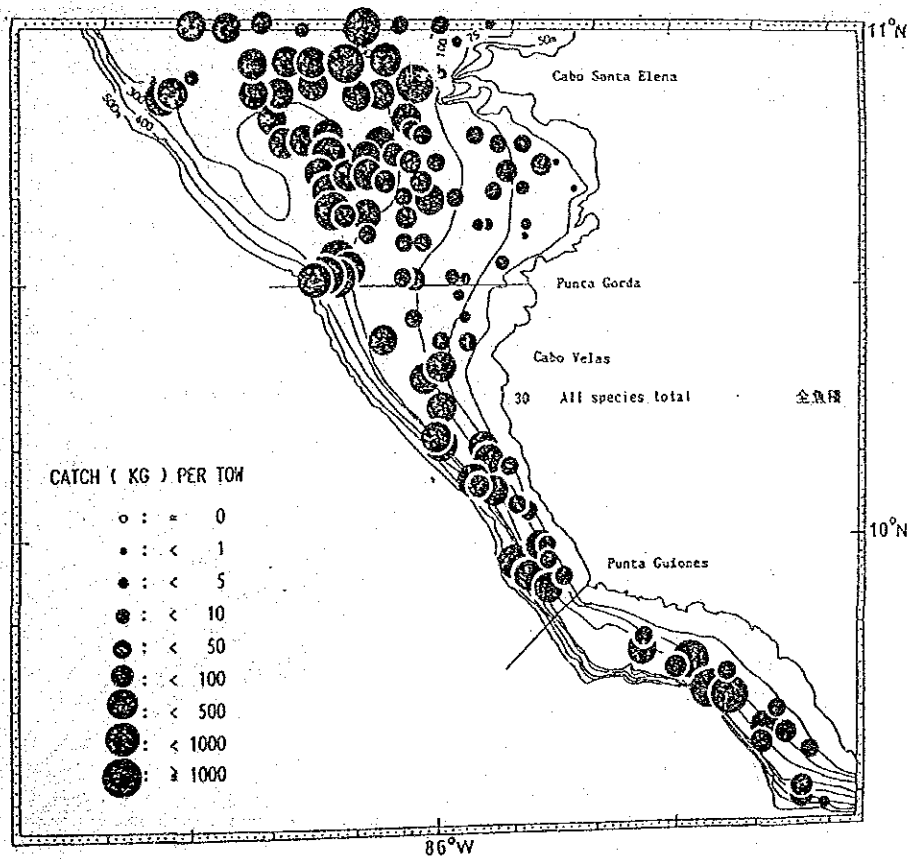
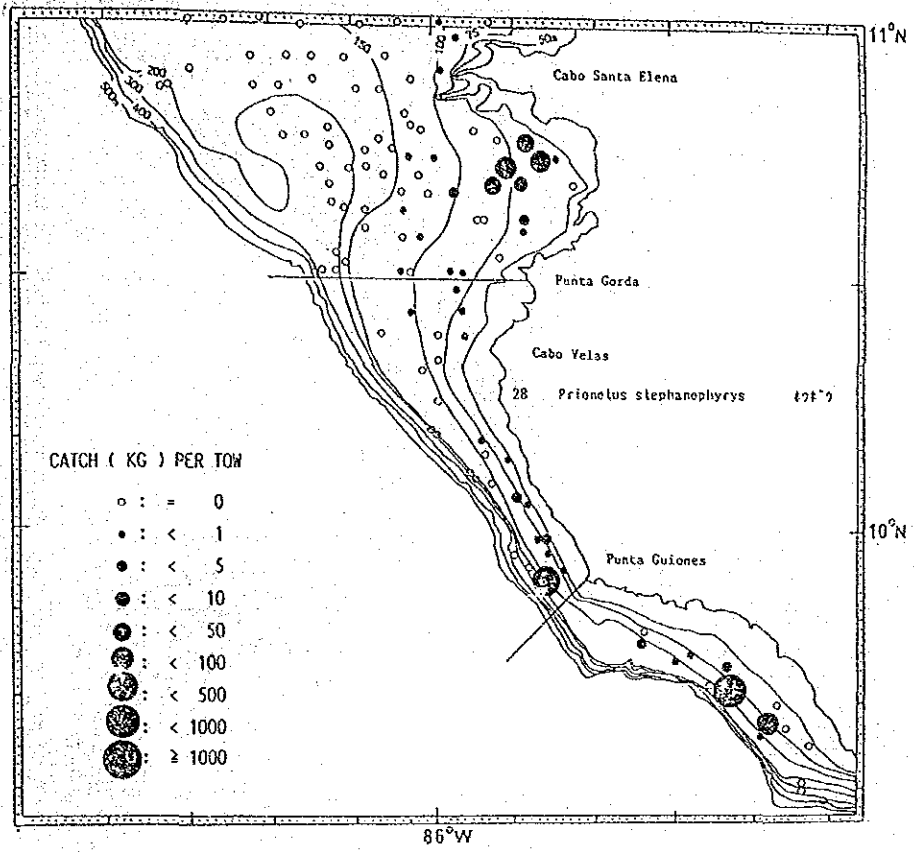












Appendix Fig. 5a 主要魚種の分布図(2統曳網-4網 1回目)

