



CATCH AND EFFORT STATISTICS OF THE CANADIAN
SHRIMP FISHERY ON THE PACIFIC COAST IN 1988

by

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ABSTRACT

Total trawl and trap landings of 3,163 metric tonnes and total fishing effort of 10,928 days are tabulated for International North Pacific Fisheries Commission statistical areas. Two figures show boundaries of the statistical areas.

INTRODUCTION

Total shrimp landings for the west coast of Canada were 3,163.1 t, with a value of 8.8 million dollars. These landings originate from trawl and trap fisheries.

The trawl fishery consists of offshore otter trawl and inshore beam trawl operations. Offshore smooth pink shrimp, Pandalus jordani, landings totalled 2,228 t from the Tofino and Nootka grounds (Vancouver area), a decline of 14% from 1987. Inside beam trawl landings of P. borealis, P. jordani, P. platyceros, and Pandalopsis dispar totalled 236 t from Georgia Strait and Chatham Sound (both Vancouver and Charlotte areas).

The coastwide trap fishery targets mainly on the prawn, Pandalus platyceros, with a small operation for coonstripe shrimp, P. danae, in Sooke Harbour (Vancouver area). Total landings from these fisheries were 699 t, an increase of 18%.

Table 1. Comparing INPFC and PMFC statistical areas.

Latitude	INPFC areas	PMFC areas
50 30'-54 30'N	Charlotte	62 and 64
47 30'-50 30'N	Vancouver	66 and 68

Table 2. Trawl¹ and trap² landings (t) of shrimp and effort³ (days) for Canadian vessels by INPFC area 1988.

Trap	Trawl		INPFC areas	INPFC areas	
	Effort	Catch			
Charlotte	151	15.6	Charlotte	1972	239.8
Vancouver	4608	2448.7	Vancouver	6320	459.0
Total	4759	2464.3		8292	698.8

¹Primarily Pandalus jordani.

²Primarily Pandalus platyceros.

³Decrease in trap effort since 1986 is mostly due to new method of calculating effort from fishermen's logbooks.

Table 3. Trawl and trap landings (C = metric tonnes) and effort (E = days fished, *SE = hours fished/5.5) by Canadian vessels, by PMFC area and by month 1988.

Area	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Total
<u>Trawl</u>													
62 C	0.8	1.4	4.1	2.3	0.4	0.2	0	0	0	0.9	0.5	2.9	13.5
SE	7	12	24	27	6	3	0	0	0	8	10	37	132
64 C	0	0	0	0	0.9	0.9	0.1	0	0	0.1	0	0.1	2.1
SE	0	0	0	0	8	8	0.1	0	0	1	0	1	19
66 C	1.7	13.0	25.9	33.8	328.3	668.9	641.8	178.5	102.2	230.2	2.6	1.0	2228.0
SE	12	64	49	76	360	634	507	175	151	178	17	19	2244
68 C	16.6	22.4	19.8	19.9	11.6	10.3	11.8	13.4	17.0	25.1	35.9	17.0	220.7
SE	187	189	306	285	203	133	103	110	132	207	248	162	2364
<u>Trap</u>													
62 C	20.0	29.9	12.6	9.1	20.4	7.7	5.4	5.8	7.8	17.5	14.4	13.7	164.4
E	87	181	138	82	149	73	58	44	98	142	126	92	1245
64 C	2.0	1.0	3.5	11.0	10.3	9.7	10.0	1.6	3.7	15.8	5.8	0.9	75.4
E	25	14	50	107	106	81	96	45	41	106	247	18	727
66 E	0.1	0	0	8.1	8.5	6.8	4.5	1.9	4.6	6.7	11.0	9.2	61.4
E	2	0	0	103	113	85	42	26	49	61	90	93	662
68 C	4.0	0	0	82.6	61.4	55.1	44.4	22.9	24.3	34.6	29.3	39.0	397.6
C	50	0	0	989	875	745	559	393	394	570	467	629	5658

*Standard effort is calculated from fishermen's logbooks rather than from sales slips as in the past.

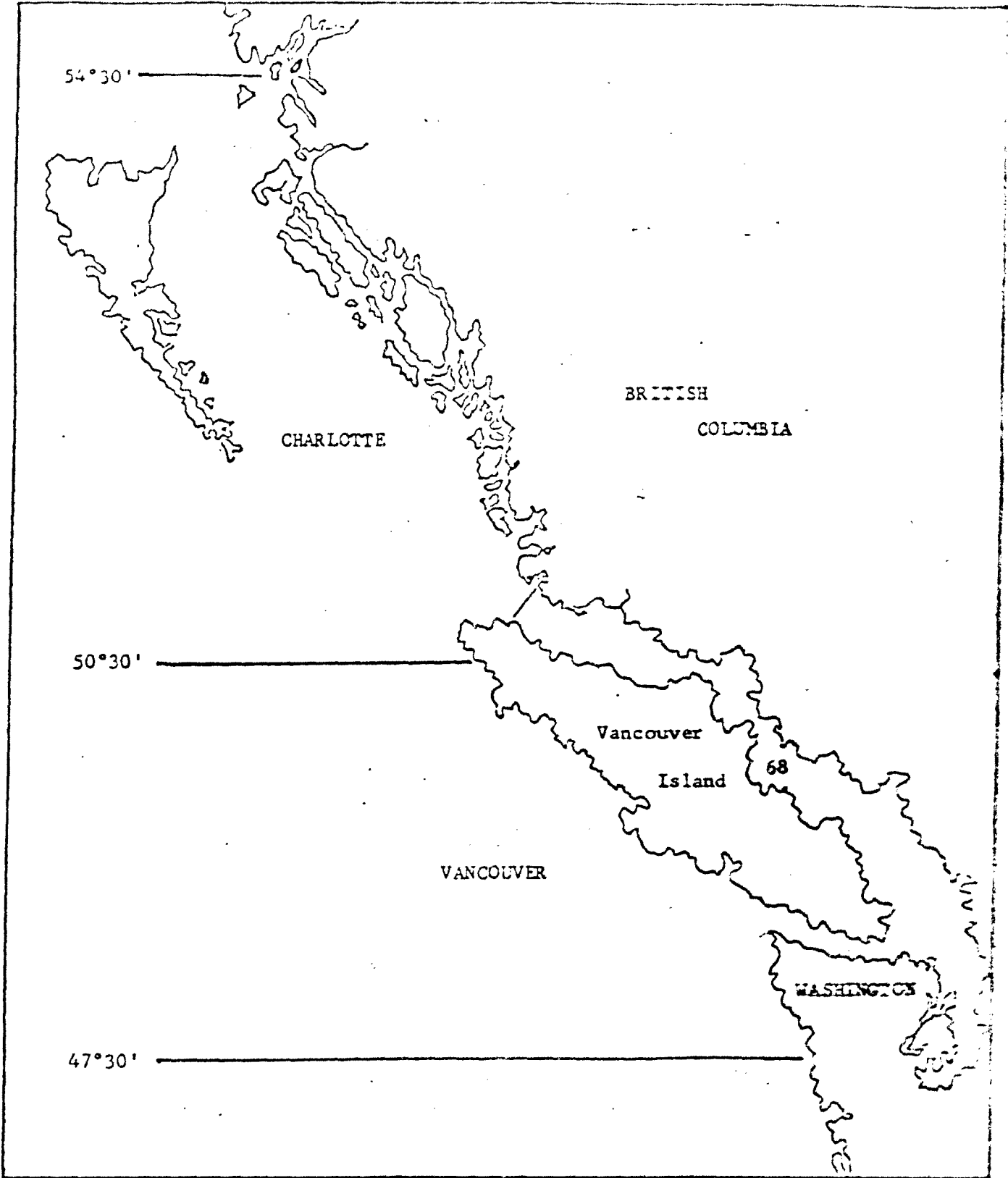


Fig. 1. INPFC SHRIMP AREAS OFF BRITISH COLUMBIA.

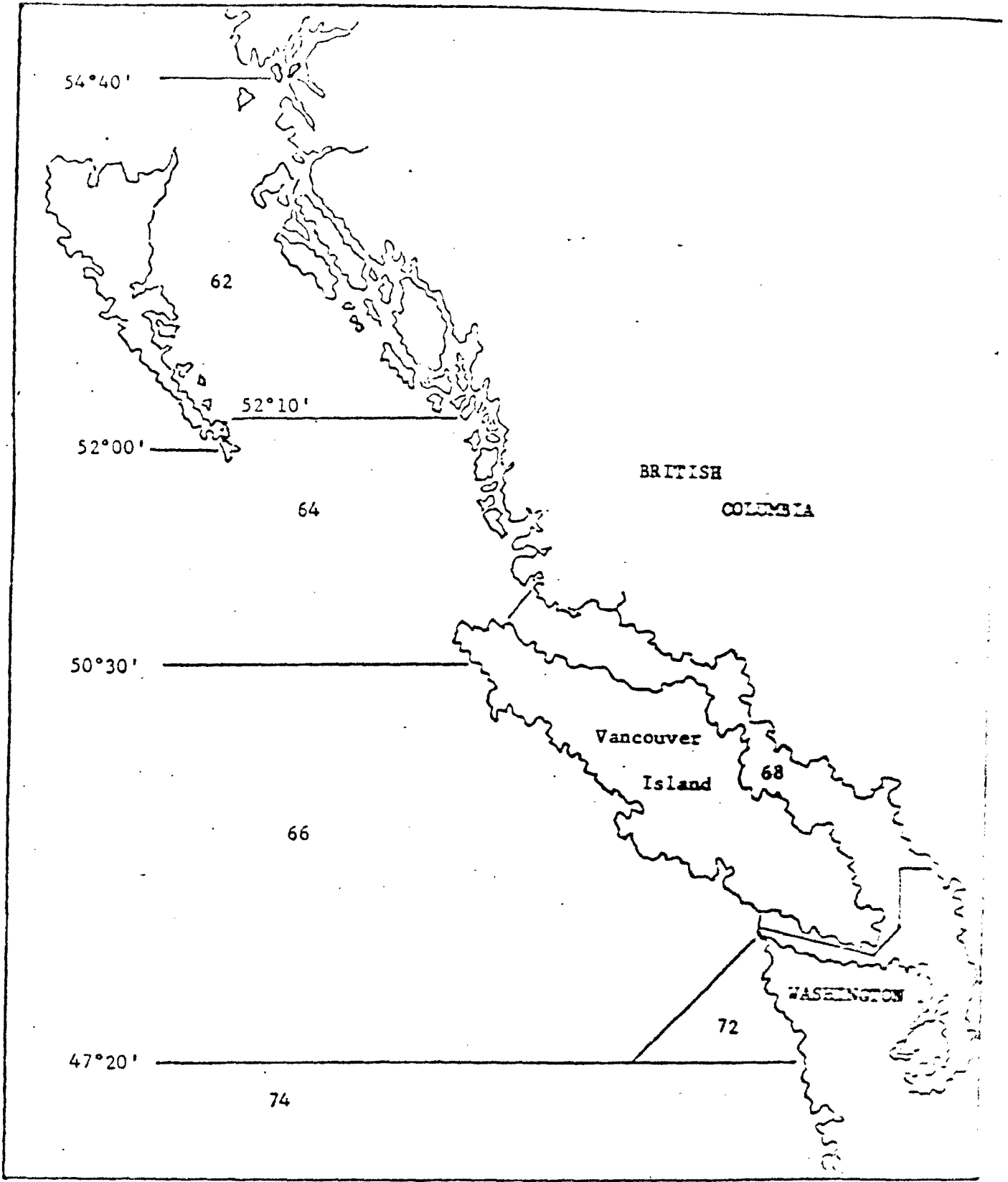


Fig. 2. PACIFIC MARINE FISHERIES COMMISSION (PMFC) SHRIMP FISHING AREAS OFF BRITISH COLUMBIA.