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CATCH AND EFFORT STATISTICS OF THE CANADIAN
SHRIMP FISHERY ON THE PACIFIC COAST IN 1987

by

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ABSTRACT

Total trawl and trap landings of 3,363 metric tons and total fishing effort of 12,164 days are tabulated for International North Pacific Fisheries Commission statistical areas. Two figures show boundaries of the statistical areas.

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5. Table of trawl and trap landings and effort by Canadian vessels in 1987 by PMFC area and by month.

INTRODUCTION

Total shrimp landings for the west coast of Canada were 3,363.3 t, with a value of 8.9 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 2,536 t from the Tofino and Nootka grounds (Vancouver area). Inside beam trawl landings of P. borealis, P. jordani, P. platyceros, and Pandalopsis dispar totalled 235 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 Harbor (Vancouver area). Total landings from these fisheries were 575 t.

Increase in total landings over 1986 is due to a 400% increase in landings of shrimp from the Tofino grounds.

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 1985.

Trawl			Trap		
INPFC areas	Effort	Catch	INPFC areas	Effort	Catch
Charlotte	125	17.4	Charlotte	2,139	176.5
Vancouver	3,786	2770.9	Vancouver	6,114	398.5
Total	3,911	2788.3		8,253	575.0

¹Primarily Pandalas jordani.

²Primarily Pandalus platyceros.

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

Table 3. Trawl and trap landings (C = metric tons) and effort (E = days fished, *SE = hours fished/8) by Canadian vessels, by PMFC Area and by Month . . . 1987.

Area	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<u>Trawl</u>													
62 C	2.4	2.4	3.9	2.3	1.6	0.6	0	0	0.4	0.8	0.8	1.9	17.3
SE	12	13	28	18	17	7	0	0	3	6	5	15	124
64 C	0	0	0	0	-	0	0.1	0	0	0	0	0	0.1
SE	0	0	2	0	0.5	0	0.5	0	0	0	0	0	1
66 C	2.2	7.0	3.6	5.2	38.3	204.3	678.2	520.1	785.5	264.4	25.3	1.4	2535.6
SE	11	41	24	27	71	198	409	284	461	237	34	6	1803
68 C	15.3	21.3	28.3	26.5	20.7	12.0	10.7	6.0	24.9	27.4	28.8	13.4	235.3
SE	134	216	296	258	189	85	69	54	151	188	192	152	1983
<u>Trap</u>													
62 C	4.1	10.3	9.3	6.2	13.5	3.1	10.1	3.3	8.3	14.4	12.6	7.6	103.7
E	26	86	122	113	187	35	88	75	95	141	152	70	1162
64 C	4.3	10.1	1.3	4.4	7.5	3.4	10.6	4.4	7.6	12.3	6.0	0.8	72.8
E	28	68	26	77	114	51	172	76	87	156	102	13	977
66 C	0	0	0	5.5	5.0	3.7	1.3	1.3	3.5	5.7	4.2	5.7	35.9
E	0	0	0	89	120	84	24	33	50	56	48	69	549
68 C	15.0	0.4	0	48.1	53.6	46.5	34.2	29.8	31.1	40.2	28.1	35.7	362.6
E	134	2	0	778	751	718	459	479	549	711	511	463	5565

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

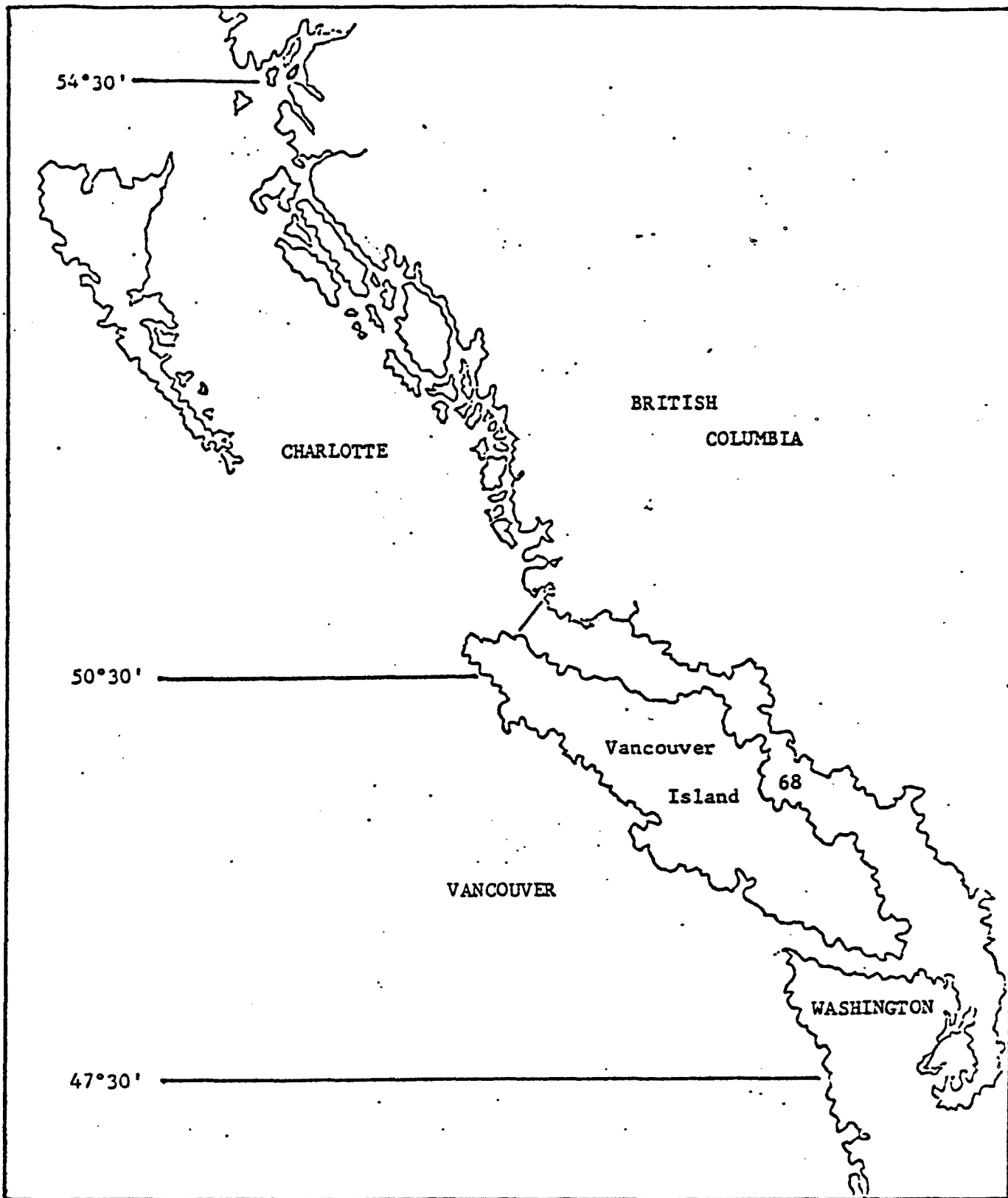


Fig. 1. INPFC SHRIMP AREAS OFF BRITISH COLUMBIA.

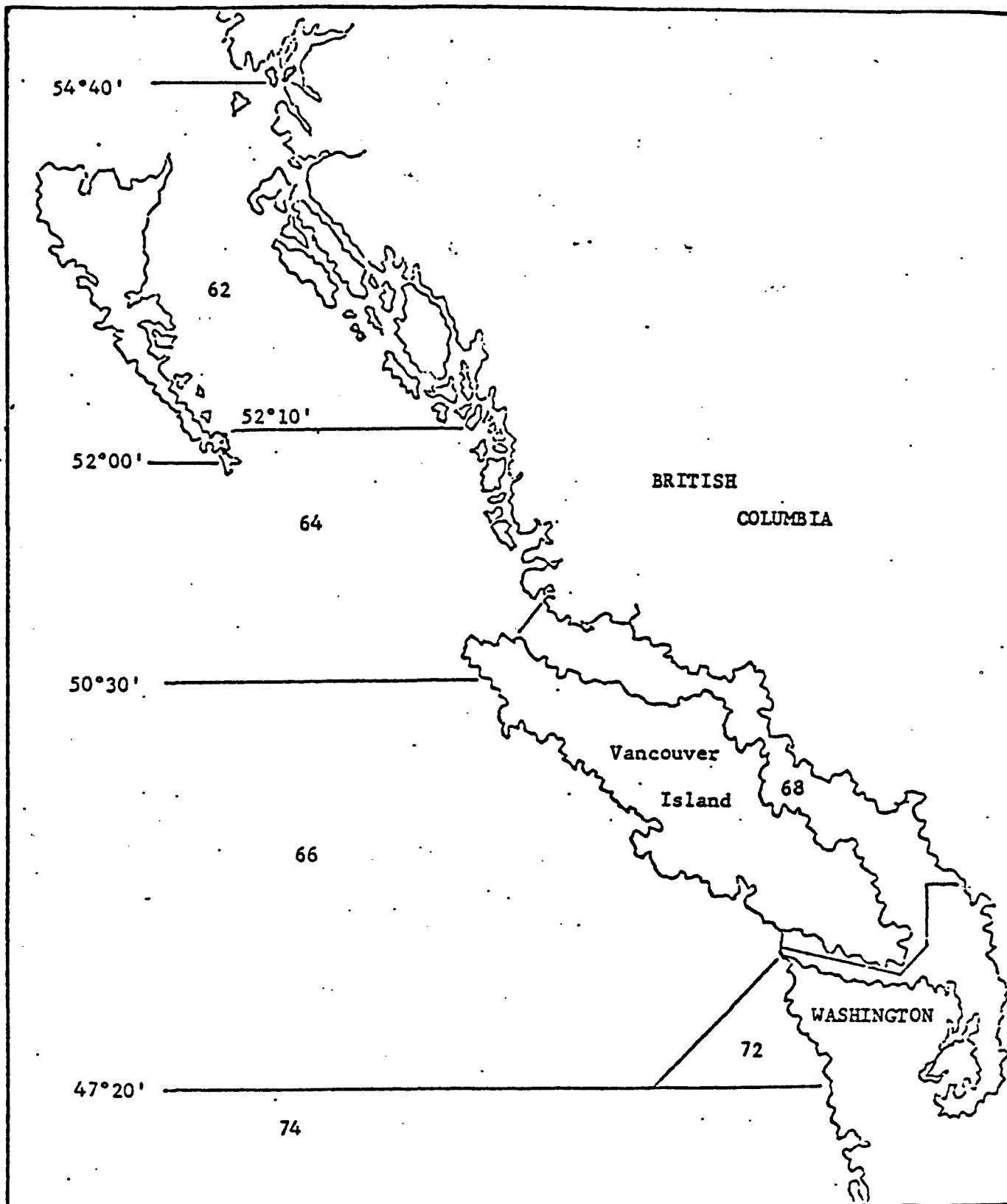


Fig. 2. PACIFIC MARINE FISHERIES COMMISSION (PMFC) SHRIMP FISHING AREAS OFF BRITISH COLUMBIA.