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CATCH AND EFFORT STATISTICS OF THE CANADIAN  
SHRIMP FISHERY ON THE PACIFIC COAST IN 1982

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by

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ABSTRACT

Total trawl and trap landings of 687 metric tons and total fishing effort of 11,395 days are tabulated by gear and International North Pacific Fisheries Commission statistical areas. Two figures show boundaries of the statistical areas.

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INTRODUCTION

Total shrimp landings for the west coast of Canada were 687 metric tons, with a landed value of 2.2 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 142 metric tons from the Tofino and Nootka grounds (Vancouver area). Both grounds are managed by a quota system. Inside beam trawl landings of P. borealis, P. jordani, P. platyceros, and Pandalopsis dispar totalled 263 metric tons from Barkley Sound, 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 282 metric tons.

Table 1. Comparison of 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. Trawl<sup>1</sup> and trap<sup>2</sup> landings (metric tons) of shrimp and effort (days) for Canadian vessels by INPFC area . . . 1982.

INPFC areas	Trawl		INPFC areas	Trap	
	Effort	Catch		Effort	Catch
Charlotte	383	25.0	Charlotte	1,864	74.1
Vancouver	3,768	380.1	Vancouver	5,380	207.9
Total	4,151	405.1		7,244	282.0

<sup>1</sup>Primarily Pandalus jordani.

<sup>2</sup>Primarily Pandalus platyceros.

Table 3. Trawl and trap landings (C = metric tons) and effort (E = days fished) by Canadian vessels, by vessels, by PMFC area and by month . . . 1982.

Area	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
<u>Trawl</u>													
62 C	1.5	1.7	4.4	3.5	.5	+		.6	.2	.7	3.1	8.5	24.7
E	27	32	64	39	10	7		9	2	18	56	112	376
64 C											.3		.3
E											7		7
66 C	2.0	4.3	5.4		63.1	83.7	1.3	.1	.6	9.6	10.3	2.6	183.0
E	39	53	65		25	47	8	5	7	51	85	46	431
68 C	7.4	10.8	19.8	15.9	12.8	12.4	20.7	9.1	26.0	24.7	24.5	13.0	197.1
E	123	241	380	380	240	248	321	155	281	351	376	241	3337
<u>Trap</u>													
62 C	.2	.1	3.9	4.4	1.1	5.5	4.7	2.4	1.2	4.1	2.6	6.1	36.3
E	6	2	41	124	75	136	83	43	26	101	103	190	930
64 C	.2	4.9	.3	3.4	2.7	1.8	7.7	3.8	.8	3.2	2.6	6.4	37.8
E	16	82	11	93	7	69	138	86	113	57	108	154	934
66 C	2.9	6.5	4.8	9.3	4.4	2.0	4.6	1.6	2.7	3.7	3.7	35.4	81.6
E	66	137	155	199	109	86	86	54	43	55	78	67	1135
68 C	11.6	7.3	4.1	15.1	11.1	11.4	8.9	6.8	8.7	10.5	13.8	17.0	126.3
E	398	358	262	423	390	328	307	248	269	300	474	488	4245

Note: + = less than .05 metric ton.

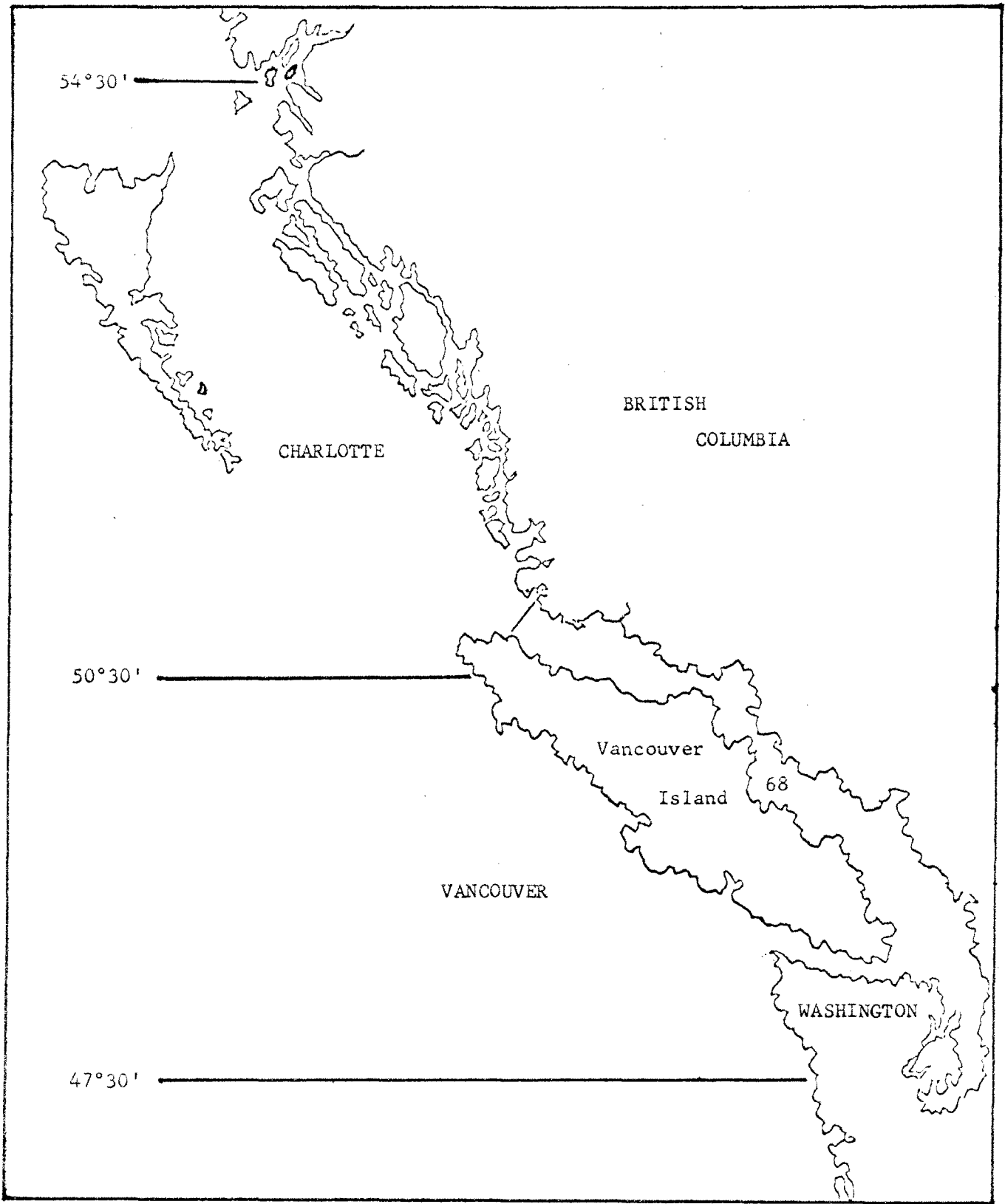


Fig. 1. INPFC SHRIMP AREAS OFF BRITISH COLUMBIA.

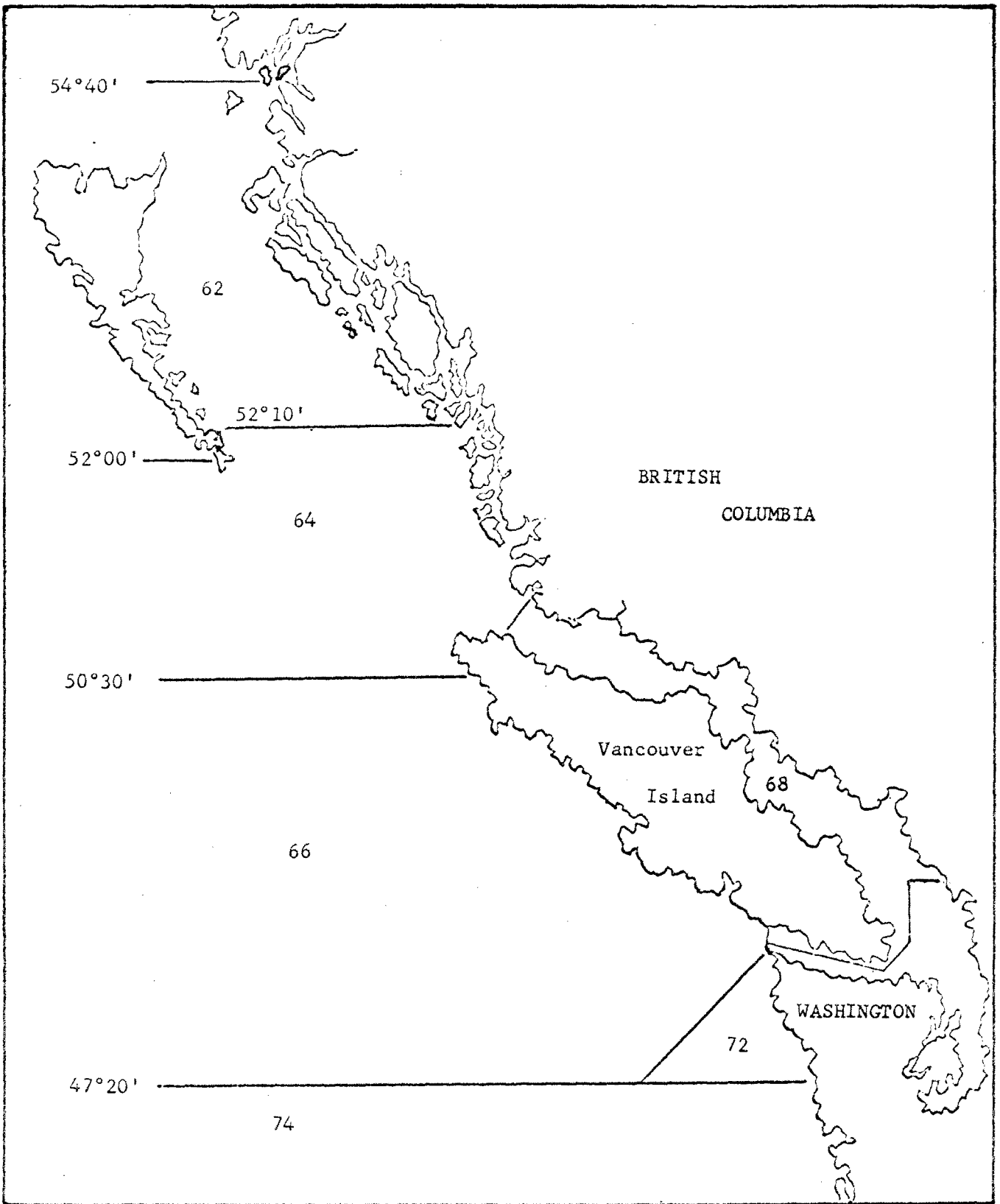


Fig. 2. PACIFIC MARINE FISHERIES COMMISSION (PMFC) SHRIMP FISHING AREAS OFF BRITISH COLUMBIA.