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**CATCH AND EFFORT STATISTICS OF THE CANADIAN  
SHRIMP FISHERY ON THE PACIFIC COAST IN 1991**

by

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### **ABSTRACT**

Total trawl and trap landings increased to 4193 t in 1991 from 2790 t in 1990. The Vancouver Area contributed most (3899 t) of this total.

## INTRODUCTION

Total shrimp landings for the west coast of Canada were 4193 t. 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 2858 t from the Tofino and Nootka grounds (Vancouver area), an increase of 43% from 1990. Inside beam trawl landings of *P. borealis*, *P. jordani*, *P. platyceros*, and *Pandalopsis dispar* totalled 365 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 970 t, a increase of 11% from 1991.

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. Trawl<sup>1</sup> and trap<sup>2</sup> landings (t) of shrimp and effort (days) for Canadian vessels by INPFC area, 1991.

Trawl			Trap		
INPFC Areas	Effort	Catch	INPFC Areas	Effort	Catch
Charlotte	508.3	101.2	Charlotte	1,859.3	193.3
Vancouver	5,896.0	3,121.6	Vancouver	10,720.5	776.9
Total	6,404.3	3,222.8	Total	12,579.8	970.2

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

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

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, 1991.

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
British Columbia 1991 Shrimp by Trap													
62 C	1.8	7.8	30.9	22.2	17.7	0.0	0.0	3.4	4.5	4.5	0.5	2.2	95.5
SE	13.9	33.6	126.2	124.0	64.2	0.2	-	8.8	23.7	40.6	9.4	23.1	467.6
64 C	-	-	2.2	1.6	-	-	-	-	0.7	1.3	-	-	5.7
SE	-	-	8.7	0.0	-	-	-	-	24.0	8.0	-	-	40.7
66 C	4.8	3.8	41.3	198.0	267.0	735.0	517.0	252.1	600.2	233.8	4.5	0.4	2858.0
SE	22.2	34.5	96.1	271.4	392.9	649.4	434.6	256.7	695.1	321.0	4.8	7.3	3186.0
68 C	24.4	25.5	30.5	30.0	18.1	19.1	18.6	7.0	25.3	27.7	21.1	16.3	263.6
SE	198.5	273.2	378.2	315.5	237.6	196.5	103.6	47.2	229.0	304.1	219.2	207.6	2709.9
British Columbia 1991 Shrimp by Trap													
62 C	-	-	-	19.0	19.9	15.3	12.7	4.2	4.5	17.2	12.8	1.8	107.3
E	-	-	-	180.0	248.3	152.1	114.0	57.6	63.3	178.8	113.0	35.0	1142.1
64 C	-	0.0	-	18.4	22.3	10.3	7.1	1.9	9.8	11.2	4.5	0.8	86.1
E	-	0.2	-	137.3	190.1	80.9	71.1	20.3	87.7	73.9	37.3	18.4	717.2
66 C	-	-	1.4	25.9	21.9	10.2	11.1	9.1	6.9	14.1	5.9	3.1	109.6
E	-	-	18.1	282.2	268.9	135.6	123.1	110.5	90.6	126.8	62.2	27.1	1245.0
68 C	-	-	-	174.0	112.1	83.3	104.5	47.2	55.3	56.2	27.4	7.3	667.3
E	-	-	-	2213.3	1790.8	1267.6	1307.2	655.4	891.6	882.5	384.5	82.5	9475.5