

MEDS - 23  
Rev June 1973

MARINE ECONOMICS DATA - 36-FOOT BRITISH COLUMBIA SALMON TROLLER<sup>a/</sup>

Description \$14,900 market value, 36 feet by 12 feet, 7-ton capacity, 125 HP diesel engine, radio, fathometer, automatic pilot, and 8-spool hydraulic gurdies.

<u>Fishery</u>	<u>Effort<sup>b/</sup></u> (days)	<u>Price<sup>c/</sup></u>		<u>Production<sup>d/</sup></u>		
		<u>Per ton</u> ( <u>\$</u> )	<u>Per lb.</u> ( <u>\$</u> )	<u>Low</u> ( <u>tons</u> )	<u>Medium</u> ( <u>tons</u> )	<u>High</u> ( <u>tons</u> )
Troll salmon.....	64	1,540	.77	3.92	4.9	5.88
<u>(1) Gross returns.....</u>				\$6,037	\$7,546	\$9,055

Variable costs<sup>e/</sup>

	<u>Season total with:</u>		
	<u>Low</u> <u>production</u>	<u>Medium</u> <u>production</u>	<u>High</u> <u>production</u>
Vessel and equipment repairs.....	\$1,153	\$1,153	\$1,153
Fuel.....	785	785	785
Gear repairs.....	576	640	704
Galley.....	589	589	589
Ice and bait.....	240	240	240
Miscellaneous.....	331	331	331
Crewshare.....	785	981	1,177
<u>(2) Total variable costs.....</u>	<u>\$4,459</u>	<u>\$4,719</u>	<u>\$4,979</u>

Fixed costs<sup>f/</sup>

Depreciation.....	\$1,146	\$1,146	\$1,146
Insurance.....	687	687	687
Moorage.....	210	210	210
<u>(3) Total fixed costs.....</u>	<u>\$2,043</u>	<u>\$2,043</u>	<u>\$2,043</u>

Opportunity costs<sup>a/</sup>

	<u>Low production</u>	<u>Medium production</u>	<u>High production</u>
(4) Operator's labor (30% of gross).....	\$1,811	\$2,264	\$2,717
(5) Operator's management (10% of gross)...	604	755	906
(6) Total investment (\$14,900 @ 7%).....	1,358	1,358	1,358

Summary

Return to labor, management, and investment (1 less 2 and 3).....	\$ -465	\$ 784	\$2,033
Return to labor and management (1 less 2, 3, and 6).....	-1,823	-574	675
Return to investment (1 less 2, 3, 4, and 5).....	-2,880	-2,235	-1,590

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<sup>a/</sup> Original data developed by British Columbia Department of Fisheries and Forestry, 1968. Vessel characteristics, costs, landings, and price have been adjusted to reflect changes since the original data were developed.

<sup>b/</sup> Actual days at sea.

<sup>c/</sup> Prevailing prices during the 1972 season.

<sup>d/</sup> Low and high are 20% below and above medium.

<sup>e/</sup> Costs that vary with fishing effort. May include unpaid crew, operator, and family labor. Some costs, such as gear repair and crewshare, also vary with production.

<sup>f/</sup> Costs that do not vary with fishing effort.

<sup>g/</sup> Opportunity cost of labor is the estimated value of this operator's time, or what could have been earned working for someone else. Opportunity cost of management is the estimated value of this operator's management (decision-making and risk), or what could have been earned managing another similar business. Opportunity cost of investment is the estimated fair return to total investment in the business, regardless of the actual amount of debt.