

MEDS - 3  
Rev April 1973

MARINE ECONOMICS DATA - 28-FOOT ASTORIA SALMON GILLNETTER<sup>a/</sup>

Description \$9,755 market value, 28 feet by 8 1/2 feet, wood hull, 210 HP gasoline engine, radio, fathometer, hydraulic net roller, 5 floating and 2 diving nets.

Fishery	Effort <sup>b/</sup> (days)	Price <sup>c/</sup>		Production <sup>d/</sup>		
		Per ton (\$)	Per lb. (\$)	Low (tons)	Medium (tons)	High (tons)
Winter.....	15	1,700	.85	.85	1.00	1.15
Spring.....	15	1,000	.50	.85	1.00	1.15
August.....	13	1,000	.50	3.40	4.00	4.60
Fall.....	30	700	.35	3.40	4.00	4.60
Sockeye.....	6	900	.45	.64	.75	.86
<u>(1) Gross returns.....</u>				\$8,651	\$10,175	\$11,699

Variable costs<sup>e/</sup>

	Winter	Spring	August	Fall	Sockeye	Season total with:		
						Low (prod.)	Medium (prod.)	High (prod.)
Gear repairs.....	\$527	\$337	\$601	\$940	\$267	\$2,672	\$ 2,672	\$ 2,672
Vessel repairs...	236	153	271	437	83	1,180	1,180	1,180
Fuel & oil.....	97	64	111	180	33	485	485	485
Transportation...	71	46	82	130	24	353	353	353
Galley.....	34	22	38	62	12	168	168	168
Miscellaneous....	11	7	14	22	3	57	57	57
Crewshare (15%)..	--	--	--	--	--	1,298	1,526	1,755
<u>(2) Total variable costs.....</u>						\$6,213	\$ 6,441	\$ 6,670

Fixed costs<sup>f/</sup>

Depreciation.....	\$ 481	\$ 481	\$ 481			
Utilities.....	325	325	325			
Insurance.....	158	158	158			
Union dues.....	100	100	100			
Licenses.....	58	58	58			
Miscellaneous <sup>g/</sup> .....	285	285	285			
<u>(3) Total fixed costs.....</u>				\$1,407	\$ 1,407	\$ 1,407

Opportunity costs<sup>h/</sup>

	<u>Low production</u>	<u>Medium production</u>	<u>High production</u>
(4) Operator's labor (30% of gross).....	\$2,595	\$3,053	\$3,510
(5) Operator's management (10% of gross)..	865	1,018	1,170
(6) Total investment (\$9,755 @ 9%).....	878	878	878

Summary

Return to labor, management, and invest- ment (1 less 2 and 3).....	\$1,031	\$2,327	\$3,622
Return to labor and management (1 less 2, 3, and 6).....	153	1,449	2,744
Return to investment (1 less 2, 3, 4, and 5).....	-2,429	-1,744	-1,058

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a/ Original data developed by selected Astoria fishermen, September, 1969, in cooperation with Oregon State University Marine Advisory Program. Costs, landings, and price have been adjusted to reflect changes since the original data was developed, and is representative of above-average operators for this port.

b/ Legal fishing days.

c/ Prevailing prices for this port during the 1972 season.

d/ Low and high are 15% below and above medium.

e/ 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.

f/ Costs that do not vary with fishing effort.

g/ Utilities, accounting, etc.

h/ 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 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.