

Submitted by the Alaska Department of Fish and Game

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Appendix B2. Exploitation of Togiak herring stock, 1991-2011

Year	Biomass Estimate* (short tons)	S-O-K Herring Equivalent	Dutch Harbor Food/Bait	Sac Roe			Total Harvest	Exploitation Rate
				Gillnet <sup>o</sup>	Purse Seine <sup>c</sup>	Waste <sup>o</sup>		
1978	190,292			683	7,069		7,752	4.1%
1979	239,022			4,459	6,667		11,126	4.7%
1980	68,686			4,150	20,366		24,516	35.7%
1981	158,650			2,338	10,151		12,489	7.9%
1982	97,902			7,105	14,716		21,821	22.3%
1983	114,210			5,344	21,442		26,786	23.5%
1984	106,422	1,552		4,934	14,485		19,419	19.7%
1985	123,000	0		4,482	21,330		25,812	21.0%
1986	88,435	1,446		3,448	12,828		16,276	20.0%
1987	76,000	1,309		2,685	12,845		15,530	22.2%
1988	128,959	1,782	2,004	3,695	10,472		14,167	13.9%
1989	80,100	2,499	3,081	2,844	9,415		12,259	22.3%
1990	71,879	1,617	820	3,072	9,158		12,230	20.4%
1991	55,000	1,310	1,325	3,182	11,788		14,970	32.0%
1992	129,256	1,482	1,949	5,030	20,778		25,808	29,239
1993	164,130	1,481	2,790	3,564	14,392		17,956	22,227
1994	148,716	1,134	3,349	7,462	22,853		30,315	34,798
1995	149,093	996	1,748	6,995	19,737		26,732	29,476
1996	135,585	1,899	2,239	6,863	18,008		24,871	29,009
1997	125,000	0	1,950	5,164	18,298	350	23,462	25,412
1998	121,000	0	1,994	5,952	16,424	400	22,376	24,370
1999	124,946	1,605	2,398	4,858	14,170	198	19,028	23,031
2000	130,904	0	2,014	5,464	14,857	100	20,321	22,335
2001	119,818	0	1,439	6,491	15,660	219	22,151	23,590
2002	120,196	260	2,846	5,216	11,793	40	17,009	20,115
2003	126,213	55	1,487	6,505	14,778	380	21,283	22,825
2004	143,124	0	1,258	4,980	13,785	103	18,765	20,023
2005	108,585	0	1,154	5,841	14,287	784	20,128	21,282
2006	129,976	0	953	7,132	16,321	500	23,453	24,406
2007	134,566	0	1,214	4,012	12,800	320	16,812	18,026
2008	136,495	0	1,536	4,832	15,691	0	20,523	22,059
2009	121,800	0	1,941	4,140	12,967	0	17,107	19,048
2010	146,775	0	1,938	7,540	18,816	0	26,356	28,294
2011	140,860	0	1,795	5,907	16,970	0	22,877	24,672
1991-10 Avg.	128,559	511	1,876	5,561	15,910	242	21,471	23,858
2001-10 Avg.	128,755	32	1,577	5,669	14,690	235	20,359	21,967
2012	123,745	0	1,807	4,142	13,084	0	17,226	19,033