



Subject: **Medvejie Coho Data**  
Sitka Area - Medvejie Hatchery, Deep Inlet, Shamrock Bay

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Data current through 2008 release / return

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## Medveje Coho Releases

Table 1a. Coho Salmon Release and Survival Data for Medveje Hatchery:

### Hatchery Releases

Brood Year	Smolt Released	Size (g)	Release Date	Marine Survival	Adult Return
<b>Indian River stock</b>					
1990	2,783	22	05/15/92	19.6%	546
1991	2,969	18.1	05/14/93	14.4%	427
1992	4,988	18.2	5/8&20/94	11.6%	578
1993	4,990	31	05/18/95	8.8%	440
1994	4,860	24.2	05/22/96	2.7%	132
1995	6,900	17.5	05/22/97	14.6%	1,004
1996	7,039	29.6	05/22/98	15.1%	1,061
1997	7,045	16.4	05/26/99	16.6%	1,172
1998	10,083	17.6	05/23/00	6.9%	691
1999	10,045	19.4	05/24/01	10.0%	1,000
2000	10,040	17.7	05/22/02	13.2%	1,324
2001	9,952	18.1	05/23/03	5.7%	571
2002	11,348	16.1	05/20/04	6.0%	679
2003	20,472	15.4	05/26/05	3.0%	618
<b>Plotnikof stock</b>					
2004	9,895	17.3	05/23/06	2.6%	258
2005	9,992	15.1	06/14/07	1.2%	117
2006	20,181	16.1	06/13/08		

Table 1b. Coho Salmon Release and Survival Data for Medveje Hatchery:

### Deep Inlet Releases

Brood Year	Smolt Released	Size (g)	Release Date	Marine Survival	Adult Return
<b>Indian River stock</b>					
1988	119,870	21.2	05/17/90	9.9%	11,811
1989	100,992	15.6	06/03/91	8.6%	8,646
1990	135,726	24.5	05/18/92	15.8%	21,390
1991	135,974	20.5	05/24/93	14.0%	19,059
1992	49,970	16.7	05/16/94	16.0%	8,003
1993	41,896	34.6	05/15/95	7.6%	3,171
<b>Plotnikof stock</b>					
2002	39,398	12.0	05/20/04	2.4%	960
2003	0				
2004	118,772	16.5	05/18/06	4.4%	5,181
2005	201,859	18.4	06/14/07	1.5%	3,128
2006	193,459	17.7	06/14/08		

Table 1c. Coho Salmon Release and Survival Data for Medveje Hatchery:

### Shamrock Bay Releases

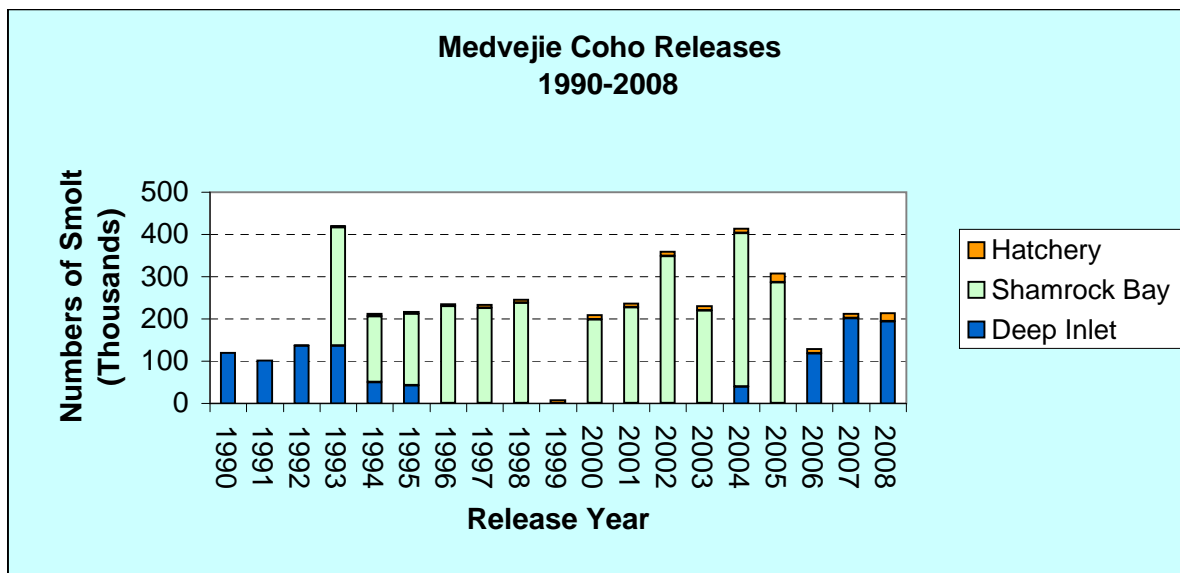
Brood Year	Smolt Released	Size (g)	Release Date	Marine Survival	Adult Return
<b>Indian River stock</b>					
1991	280,476	24.3	05/24/93	14.7%	41,145
1992	156,442	21.6	05/19/94	13.6%	21,246
1993	170,297	40.3	05/17/95	5.4%	9,142
1994	230,511	24.6	05/22/96	0.9%	2,173
1995	226,300	17.5	05/23/97	8.1%	18,427
1996	238,024	29.6	05/22/98	6.9%	16,489
1997	0				
1998	198,949	17.6	05/23/00	1.7%	3,346
1999	226,600	19.8	05/17/01	2.6%	5,962
2000	348,799	14.9	05/22/02	2.1%	7,339
2001	220,300	18.0	05/24/03	5.0%	11,106
2002	362,961	20.0	05/21/04	5.5%	19,908
2003	286,682	13.8,21.2	4/29,5/26/05	2.2%	6,438

## Medvejie Coho Releases

**Table 2. Coho Salmon Release Numbers for Medvejie Hatchery**

Brood Year	Release Year	Smolts Released			Release in Thousands		
		Hatchery	Deep Inlet	Shamrock Bay	Hatchery	Deep Inlet	Shamrock Bay
1988	1990	-	119,870	-	-	119.9	-
1989	1991	-	100,992	-	-	101.0	-
1990	1992	2,783	135,726	-	2.8	135.7	-
1991	1993	2,969	135,974	280,476	3.0	136.0	280.5
1992	1994	4,988	49,970	156,442	5.0	50.0	156.4
1993	1995	4,990	41,896	170,297	5.0	41.9	170.3
1994	1996	4,860		230,511	4.9		230.5
1995	1997	6,900		226,300	6.9		226.3
1996	1998	7,039		238,024	7.0		238.0
1997	1999	7,045		-	7.0		-
1998	2000	10,083		198,949	10.1		198.9
1999	2001	10,045		226,600	10.0		226.6
2000	2002	10,040		348,799	10.0		348.8
2001	2003	9,952		220,300	10.0		220.3
2002	2004	11,348	39,398	362,961	11.3	39.4	363.0
2003	2005	20,472	-	286,682	20.5	-	286.7
2004	2006	9,895	118,772	-	9.9	118.8	-
2005	2007	9,992	201,859	-	10.0	201.9	-
2006	2008	20,181	193,459	-	20.2	193.5	-

Indian River stock releases are shaded green, Plotnikof Lake stock are shaded blue.



## Medvejie Coho Returns

Table 3a. Coho Salmon Return Numbers for Medvejie Hatchery

### Hatchery Returns

Brood Year	Return Year	Smolt Released	Adult Return	Return in Thousands	Marine Survival
<b>Indian River stock</b>					
1988	1991				
1989	1992				
1990	1993	2,783	546	0.5	20%
1991	1994	2,969	427	0.4	14%
1992	1995	4,988	578	0.6	12%
1993	1996	4,990	440	0.4	9%
1994	1997	4,860	132	0.1	3%
1995	1998	6,900	1,004	1.0	15%
1996	1999	7,039	1,061	1.1	15%
1997	2000	7,045	1,172	1.2	17%
1998	2001	10,083	691	0.7	7%
1999	2002	10,045	1,000	1.0	10%
2000	2003	10,040	1,324	1.3	13%
2001	2004	9,952	571	0.6	6%
2002	2005	11,348	679	0.7	6%
2003	2006	20,472	618	0.6	3%
<b>Plotnikof Lake stock</b>					
2004	2007	9,895	258	0.3	3%
2005	2008	9,992	117	0.1	1%
2006	2009	20,181			

Table 3b. Coho Salmon Return Numbers for Medvejie Hatchery

### Deep Inlet Returns

Brood Year	Return Year	Smolt Released	Adult Return	Return in Thousands	Marine Survival
<b>Indian River stock</b>					
1988	1991	119,870	11,811	11.8	10%
1989	1992	100,992	8,646	8.6	9%
1990	1993	135,726	21,390	21.4	16%
1991	1994	135,974	19,059	19.1	14%
1992	1995	49,970	8,003	8.0	16%
1993	1996	41,896	3,171	3.2	8%
<b>Plotnikof Lake stock</b>					
2002	2005	39,398	960	1.0	2%
2003	2006	-	-	-	-
2004	2007	118,772	5,181	5.2	4%
2005	2008	201,859	3,128	3.1	2%
2005	2008	193,459			

Table 3c. Coho Salmon Return Numbers for Medvejie Hatchery

### Shamrock Bay Returns

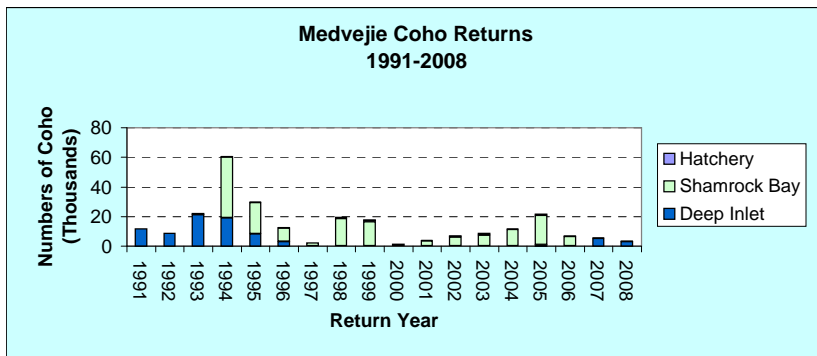
Brood Year	Return Year	Smolt Released	Adult Return	Return in Thousands	Marine Survival
<b>Indian River stock</b>					
1988	1991				
1989	1992				
1990	1993				
1991	1994	280,476	41,145	41.1	15%
1992	1995	156,442	21,246	21.2	14%
1993	1996	170,297	9,142	9.1	5%
1994	1997	230,511	2,173	2.2	1%
1995	1998	226,300	18,427	18.4	8%
1996	1999	238,024	16,489	16.5	7%
1997	2000	-	-	-	-
1998	2001	198,949	3,346	3.3	2%
1999	2002	226,600	5,962	6.0	3%
2000	2003	348,799	7,339	7.3	2%
2001	2004	220,300	11,106	11.1	5%
2002	2005	362,961	19,908	19.9	5%
2003	2006	286,682	6,438	6.4	2%

No BY 1997 smolts were released at Shamrock Bay due to a broodstock shortage in 1997.

Table 3d. Coho Salmon Return Numbers for Medvejie Hatchery

**Combined Sitka Area Returns**

Brood Year	Return Year	Release Site			Total
		Hatchery	Deep Inlet	Shamrock Bay	
1988	1991	-	11.8	-	11.8
1989	1992	-	8.6	-	8.6
1990	1993	0.5	21.4	-	21.9
1991	1994	0.4	19.1	41.1	60.6
1992	1995	0.6	8.0	21.2	29.8
1993	1996	0.4	3.2	9.1	12.8
1994	1997	0.1		2.2	2.3
1995	1998	1.0		18.4	19.4
1996	1999	1.1		16.5	17.6
1997	2000	1.2		-	1.2
1998	2001	0.7		3.3	4.0
1999	2002	1.0		6.0	7.0
2000	2003	1.3		7.3	8.7
2001	2004	0.6		11.1	11.7
2002	2005	0.7	1.0	19.9	21.5
2003	2006	0.6	-	6.4	7.1
2004	2007	0.3	5.2	-	5.4
2005	2008	0.1	3.1	-	3.2
2005	2009				



## MEDVEJIE HATCHERY COHO

Table 4a. Medvejie Hatchery Coho - Indian River Stock - Return Utilization

Return Year	Troll	Seine	Gillnet	Sport	CR	Brood Escap Other	Total Return	Release	Marine Survival	% Troll	% Seine	% Commercial	% Sport	% CPH
1993	312	-	-	81	57	95	545	2,783	20%	57%	0%	57%	15%	72%
1994	355	17	12	21	3	19	427	2,969	14%	83%	4%	90%	5%	95%
1995	180	5	36	72	-	284	577	4,988	12%	31%	1%	38%	12%	51%
1996	315	19	-	13	17	76	440	4,990	9%	72%	4%	76%	3%	79%
1997	83	31	-	-	-	17	131	4,860	3%	63%	24%	87%	0%	87%
1998	549	154	-	111	-	190	1,004	6,900	15%	55%	15%	70%	11%	81%
1999	688	126	-	109	-	138	1,061	7,039	15%	65%	12%	77%	10%	87%
2000	609	32	1	142	-	388	1,172	7,045	17%	52%	3%	55%	12%	67%
2001	331	-	-	90	-	272	693	10,083	7%	48%	0%	48%	13%	61%
2002	268	-	9	115	-	607	999	10,045	10%	27%	0%	28%	12%	39%
2003	488	123	2	235	-	476	1,324	10,040	13%	37%	9%	46%	18%	64%
2004	295	1	-	82	58	81	517	9,952	5%	57%	0%	57%	16%	73%
2005	319	-	-	191	-	169	679	11,348	6%	47%	0%	47%	28%	75%
2006	324	-	-	113	-	151	588	20,472	3%	55%	0%	55%	19%	74%
Average - all years	365	36	4	98	10	212	726	8,108	11%	53%	5%	59%	12%	72%
Average - 5 year (2002-06)	339	25	2	147	15	297	821	12,371	7%	45%	2%	47%	18%	65%
Average - 10 year (1997-06)	395	47	1	119	6	249	817	9,778	9%	51%	6%	57%	14%	71%

Table 4b. Medvejie Hatchery Coho - Plotnikof Lake Stock - Return Utilization

Return Year	Troll	Seine	Gillnet	Sport	CR	Brood Escap Other	Total Return	Release	Marine Survival	% Troll	% Seine	% Commercial	% Sport	% CPH
2007	82	37	-	41	6	92	258	9,895	3%	46%	3%	50%	17%	67%
2008	92	-	-	-	-	25	117	9,992	1%	49%	3%	53%	18%	71%
Average - all years	82	37	-	41	6	92	258	9,895	3%	46%	3%	50%	17%	67%

Table 4c. Shamrock Bay Coho - Indian River Stock - Return Utilization

Return Year	Troll	Seine	Gillnet	Sport	CR	Brood Escap Other	Total Return	Release	Marine Survival	% Troll	% Seine	% Commercial	% Sport	% CPH
1994	38,405	1,302	24	1,276	7	131	41,145	280,476	15%	93%	3%	97%	3%	100%
1995	15,345	206	59	454	5,060	121	21,245	156,442	14%	72%	1%	73%	2%	76%
1996	8,153	26	-	459	445	59	9,142	170,297	5%	89%	0%	89%	5%	94%
1997	1,822	-	-	322	-	5	2,149	230,511	1%	85%	0%	85%	15%	100%
1998	14,238	716	24	3,038	-	411	18,427	226,300	8%	77%	4%	81%	16%	98%
1999	12,723	30	-	3,430	-	306	16,489	238,024	7%	77%	0%	77%	21%	98%
2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	2,699	40	-	499	-	126	3,364	198,949	2%	80%	1%	81%	15%	96%
2002	5,083	40	-	478	-	375	5,976	226,600	3%	85%	1%	86%	8%	94%
2003	5,429	22	-	1,488	-	400	7,339	348,799	2%	74%	0%	74%	20%	95%
2004	9,564	-	-	1,042	-	500	11,106	220,300	5%	86%	0%	86%	9%	95%
2005	13,825	-	81	5,502	-	500	19,908	362,961	5%	69%	0%	70%	28%	97%
2006	5,506	-	-	573	-	443	6,522	286,682	2%	84%	0%	84%	9%	93%
Average - all years	11,066	199	16	1,547	459	281	12,524	245,528	6%	81%	1%	82%	13%	95%
Average - 5 year (2002-06)	7,881	12	16	1,817	-	444	10,170	289,068	4%	80%	0%	80%	15%	95%
Average - 10 year (1997-06)	7,877	94	12	1,819	-	341	9,128	259,903	4%	80%	1%	81%	16%	96%

**Table 4d. Deep Inlet Coho - Indian River Stock - Return Utilization**

Return Year	Troll	Seine	Gillnet	Sport	CR	Brood Escap Other	Total Return	Release	Marine Survival	% Troll	% Seine	% Commercial	% Sport	% CPH
1991	5,160	-	69	500	4,890	1,192	11,811	119,870	10%	44%	0%	44%	4%	49%
1992	3,603	-	3,148	1,500	219	176	8,646	100,992	9%	42%	0%	78%	17%	95%
1993	11,349	3,196	5,399	730	710	6	21,390	135,726	16%	53%	15%	93%	3%	97%
1994	13,752	1,674	499	2,592	236	306	19,059	135,974	14%	72%	9%	84%	14%	97%
1995	3,490	1,471	1,396	985	-	661	8,003	49,970	16%	44%	18%	79%	12%	92%
1996	2,052	517	52	451	-	99	3,171	41,896	8%	65%	16%	83%	14%	97%
Average - all years	6,568	1,143	1,761	1,126	1,009	407	12,013	97,405	12%	53%	10%	77%	11%	88%

**Table 4e. Deep Inlet Coho - Plotnikof Lake Stock - Return Utilization**

Return Year	Troll	Seine	Gillnet	Sport	CR	Brood Escap Other	Total Return	Release	Marine Survival	% Troll	% Seine	% Commercial	% SPORT	% CPH
2005	409	-	31	270	-	250	960	39,398	2%	43%	0%	46%	28%	74%
2006														
2007	1,381	917	1,115	582	800	385	5,180	118,772	4%	27%	18%	66%	11%	77%
2008	631	1,127	1,123	95	152	-	3,128	201,859	2%	20%	36%	92%	3%	95%
Average - all years	807	681	756	316	317	212	3,089	120,010	3%	30%	18%	68%	14%	82%

CR = Cost Recovery  
 Brood = Broodstock  
 Escap = Escapement  
 CPH = Common Property Harvest (Commercial plus Sport)