

Table 1. Combined general and CDQ fishery harvest and guideline harvest levels for major Bering Sea/Aleutian Islands king and Tanner crab fisheries during the 2003/2004 seasons.

Fishery	GHL <sup>a</sup>	Harvest <sup>a</sup>
Aleutian Islands red king crab (Petrel Bank, 2003)	0.5	0.48
Aleutian Islands golden king crab (2003/2004)	5.7	5.67
Bering Sea snow crab (2003) <sup>b</sup>	26.3	28.46
Bering Sea snow crab (2004) <sup>c</sup>	20.8	23.94
Bering Sea Tanner crab (2003)	Fishery Closed	0
Bristol Bay red king crab (2003)	15.7	15.70
Pribilof Islands red king crab (2003)	Fishery Closed	0
Pribilof Islands blue king crab (2003)	Fishery Closed	0
Saint Matthew Island blue king crab (2003)	Fishery Closed	0

<sup>a</sup> In millions of pounds.

<sup>b</sup> 2002/2003 season.

<sup>c</sup> 2003/2004 season.

Table 2. Western Aleutian Islands red king crab fishery harvest (thousands of pounds) relative to guideline harvest level (GHL; thousands of pounds), 1993/94 season to 2003/2004 season.

Season	GHL	Harvest
1993/94	None	698.1
1994/95	None	197.0
1995/96	None	38.9
1996/97	Fishery closed	
1997/98	Fishery closed	
1998/99	15.0	5.9
1999/00	Fishery closed	
2000/01	Fishery closed	
2001/02	Fishery closed	
2002/03	500.0 <sup>a</sup>	505.6 <sup>a</sup>
2003/04	500.0 <sup>a</sup>	479.1 <sup>a</sup>

<sup>a</sup> Petrel Bank only.

Table 3. Aleutian Islands golden king crab fishery harvest (millions of pounds) relative to guideline harvest level (GHL; millions of pounds), 1993/94 season to 2003/2004 season.

Season	GHL	Harvest
1993/94	None	5.55
1994/95	None	8.13
1995/96	None	6.89
1996/97	5.9	5.85
1997/98	5.9	5.95
1998/99	5.7	4.94
1999/00	5.7	5.84
2000/01	5.7	6.02
2001/02	5.7	5.89
2002/03	5.7	5.46
2003/04	5.7	5.67

Table 4. Eastern Bering Sea snow crab fishery harvest relative to harvest strategy target and guideline harvest level (GHL), 1994-2004.

Fishery Year	Harvest Strategy Target <sup>a</sup>	Actual <sup>b</sup>	Mature Male Biomass <sup>c</sup>	GHL <sup>d</sup>	Harvest <sup>e</sup>
1994	N/A <sup>f</sup>	36.3%	412.3	105.8	149.8
1995	N/A <sup>f</sup>	22.6%	332.9	55.7	75.3
1996	N/A <sup>f</sup>	13.9%	474.0	50.7	65.7
1997	N/A <sup>f</sup>	17.2%	694.4	117.0	119.5
1998	N/A <sup>f</sup>	34.6%	729.7	234.8	252.2
1999	N/A <sup>f</sup>	38.3%	502.6	195.9	192.3
2000	N/A <sup>g</sup>	16.9%	197.1	28.6	33.3
2001	14.7%	13.8%	182.8	27.3	25.3
2002	10.2%	10.6%	308.6	31.0	32.7
2003	11.5%	12.7%	224.9	25.8	28.5
2004	11.4%	13.1%	183.2	20.8	23.9

<sup>a</sup> Harvest strategy in effect since 2001 targets a percentage of the preseason survey estimate of mature male biomass.

<sup>b</sup> Actual harvest as a percentage of the preseason survey estimate of mature male biomass.

<sup>c</sup> Preseason estimate of mature male biomass provided by NMFS (millions of pounds).

<sup>d</sup> GHL established preseason (millions of pounds).

<sup>e</sup> Actual harvest (millions of pounds).

<sup>f</sup> GHL established as 58% percentage of males >101-mm carapace width.

<sup>g</sup> GHL established as 22% percentage of males >101-mm carapace width.

Table 5. Bristol Bay red king crab fishery harvest relative to harvest strategy target and guideline harvest level (GHL), 1993-2003.

Fishery Year	Harvest Strategy Target <sup>a</sup>	Actual <sup>b</sup>	Number of males >119 mm CL <sup>c</sup>	Number Harvested <sup>d</sup>	GHL <sup>e</sup>	Harvest <sup>f</sup>
1993	20%	23.0%	9.85	2.26	16.8	14.6
1994	Fishery Closed		8.49	0.00	0	0
1995	Fishery Closed		9.37	0.00	0	0
1996	10%	12.1%	10.34	1.25	5.0	8.4
1997	10%	11.2%	11.78	1.32	7.0	8.8
1998	15%	14.3%	15.00	2.14	16.3	14.8
1999	10%	11.5%	15.74	1.81	10.7	11.7
2000	10%	8.9%	13.13	1.17	8.4	8.2
2001	10%	9.8%	12.15	1.20	7.2	8.4
2002	10%	9.8%	14.11	1.38	9.3	9.6
2003	15%	14.3%	16.37	2.34	15.7	15.7

<sup>a</sup> Harvest strategy targets 20% of abundance of males >119-mm carapace length (CL) as estimated from preseason survey.

<sup>b</sup> Actual number of legal males harvested as percentage of preseason estimated abundance of males >119-mm carapace length (CL).

<sup>c</sup> Estimated abundance of males >119-mm carapace length (CL) from preseason survey (millions of animals). From Vining and Zheng (2004).

<sup>d</sup> Millions of animals.

<sup>e</sup> GHL established preseason (millions of pounds).

<sup>f</sup> Actual harvest (millions of pounds).

Table 6. Pribilof king crab fishery harvest relative to guideline harvest level (GHL), 1993-2003.

Fishery Year	GHL <sup>a</sup>	Harvest <sup>a</sup>			Total
		Red King	Blue King		
1993	3.4 <sup>b</sup>	2.61	0.00	2.61	
1994	2 <sup>b</sup>	1.34	0.00	1.34	
1995	2.5 <sup>c</sup>	0.87	1.27	2.14	
1996	1.8 <sup>c</sup>	0.20	0.94	1.14	
1997	1.5 <sup>c</sup>	0.76	0.51	1.27	
1998	1.25 <sup>c</sup>	0.51	0.52	1.03	
1999		Fishery closed			
2000		Fishery closed			
2001		Fishery closed			
2002		Fishery closed			
2003		Fishery closed			

<sup>a</sup> Millions of pounds.

<sup>b</sup> GHL established only for red king crab; closed to blue king crab.

<sup>c</sup> GHL estbalished for combined red and blue king crab.

Table 7. St. Matthew blue king crab fishery harvest relative to harvest strategy target and guideline harvest level (GHL), 1993-2003.

Fishery Year	Harvest Strategy Target <sup>a</sup>	Actual <sup>b</sup>	Number of males >104 mm CL <sup>c</sup>	Number Harvested <sup>d</sup>	GHL <sup>e</sup>	Harvest <sup>f</sup>
1993	20%	16%	3.98	0.63	4.4	3.00
1994	20%	20%	4.11	0.83	3.0	3.76
1995	20%	17%	3.99	0.67	2.4	3.17
1996	20%	15%	4.38	0.66	4.3	3.08
1997	20%	20%	4.70	0.94	5.0	4.65
1998	20%	15%	4.13	0.63	4.0	2.87
1999	Fishery closed		1.01	0	0	0
2000	Fishery closed		1.21	0	0	0
2001	Fishery closed		1.34	0	0	0
2002	Fishery closed		1.47	0	0	0
2003	Fishery closed		1.33	0	0	0

<sup>a</sup> Harvest strategy in effect for 1993-1998 seasons targeted 20% of abundance of males >104-mm carapace length (CL) as estimated from preseason survey.

<sup>b</sup> Actual number of legal males harvested as percentage of preseason estimated abundance of males >104-mm carapace length (CL).

<sup>c</sup> Estimated abundance of males >104-mm carapace length (CL) from preseason survey (millions of animals). From Vining and Zheng (2004).

<sup>d</sup> Millions of animals.

<sup>e</sup> GHL established preseason (millions of pounds).

<sup>f</sup> Actual harvest (millions of pounds).

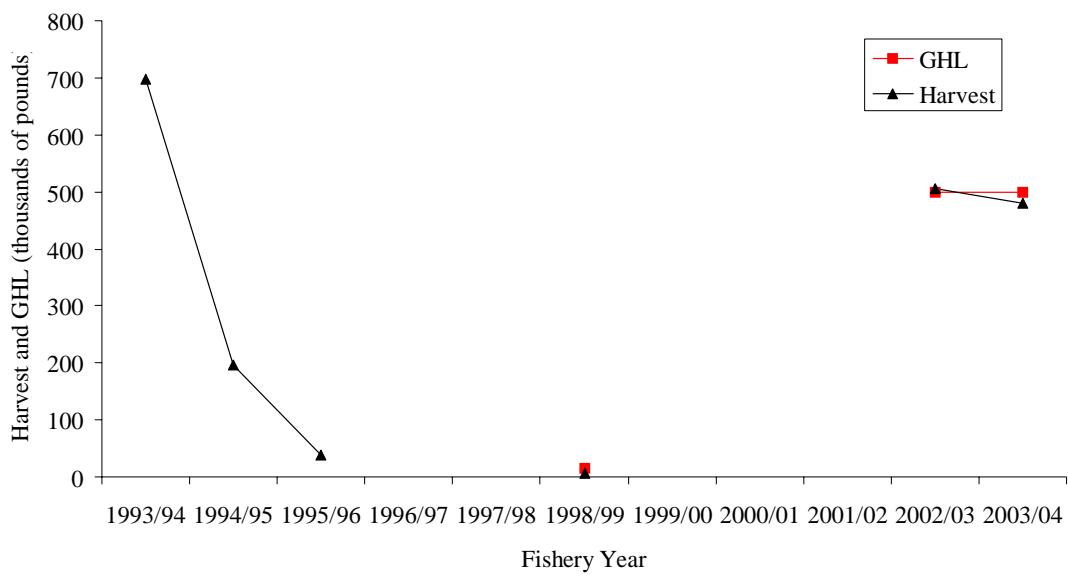


Figure 1. Western Aleutian Islands commercial red king crab fishery harvest and guideline harvest levels (GHLs), 1993/94-2003/04.

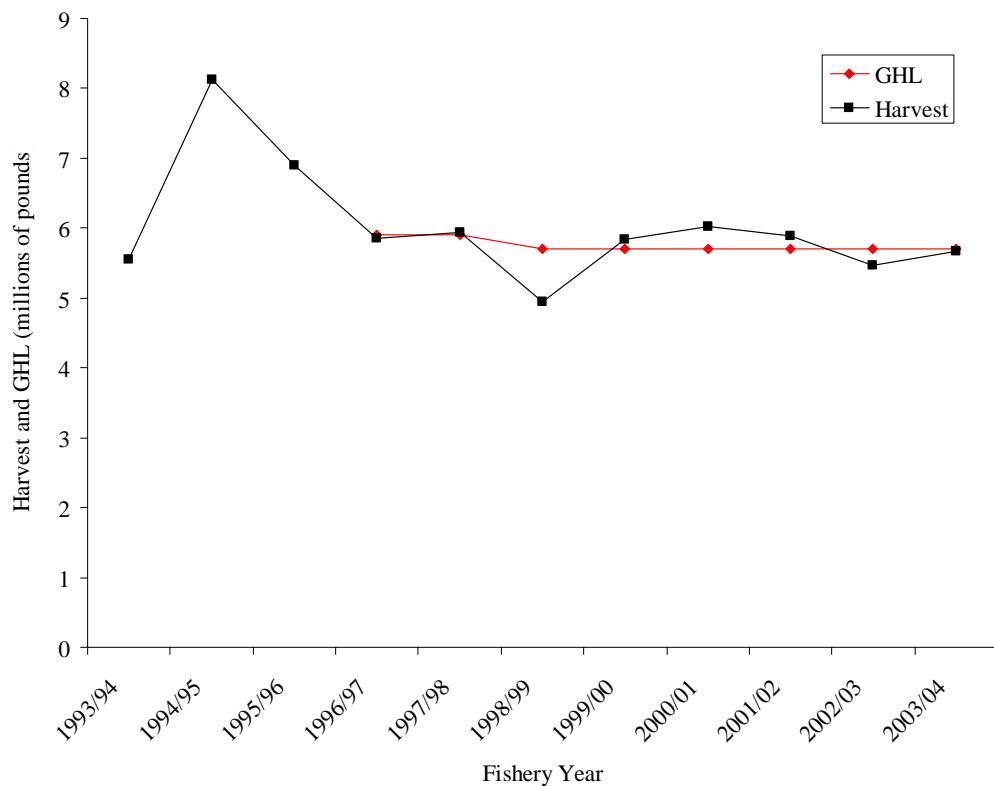


Figure 2. Aleutian Islands commercial golden king crab fishery harvest and guideline harvest levels (GHLs), 1993/94-2003/04

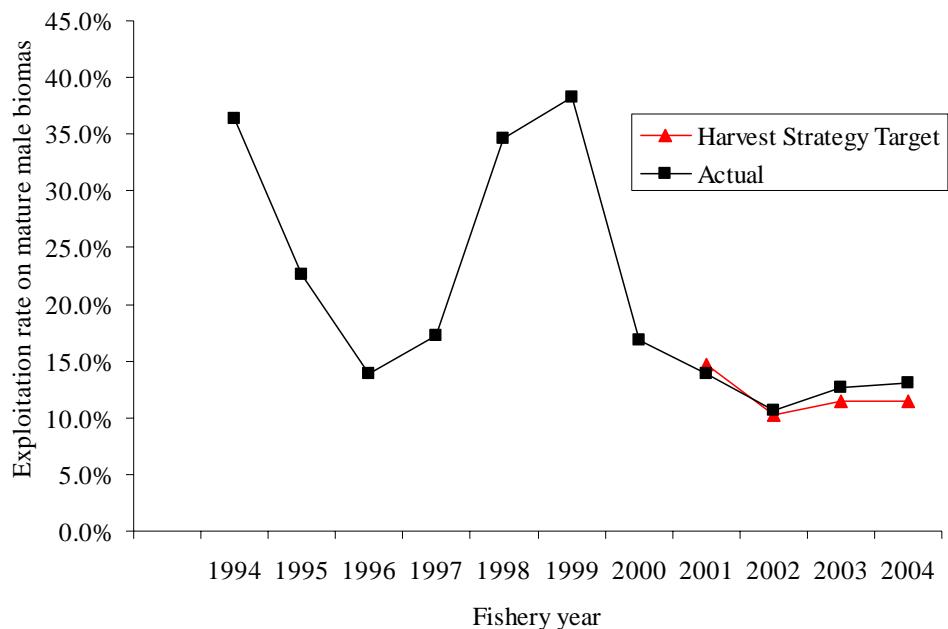


Figure 3. Comparison of harvest strategy specified and actual exploitation rates on mature male biomass in the Bering Sea commercial snow crab fishery, 1994-2004.

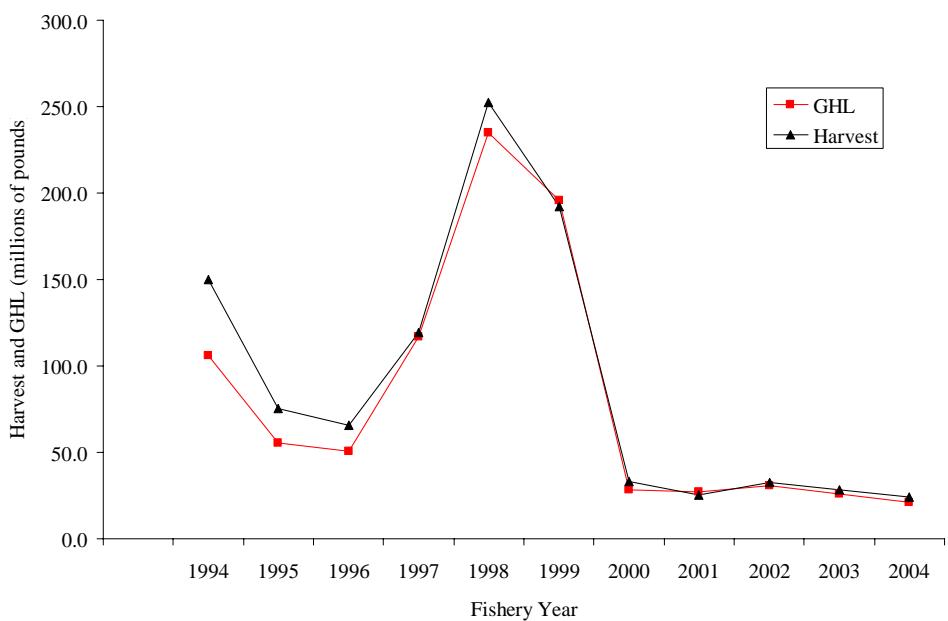


Figure 4. Bering Sea commercial snow crab general and CDQ fishery harvest and guideline harvest levels (GHLs), 1994-2004.

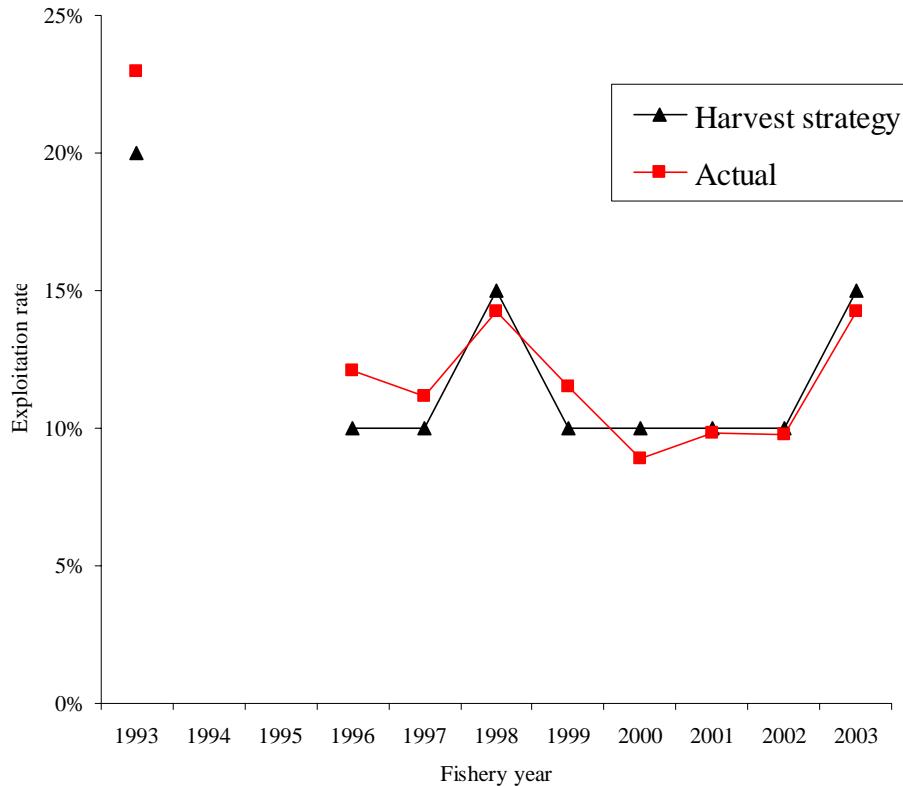


Figure 5. Comparison of harvest strategy specified and actual exploitation rates on males > 119-mm carapace length in the Bristol Bay red king crab commercial fishery, 1993-2003.

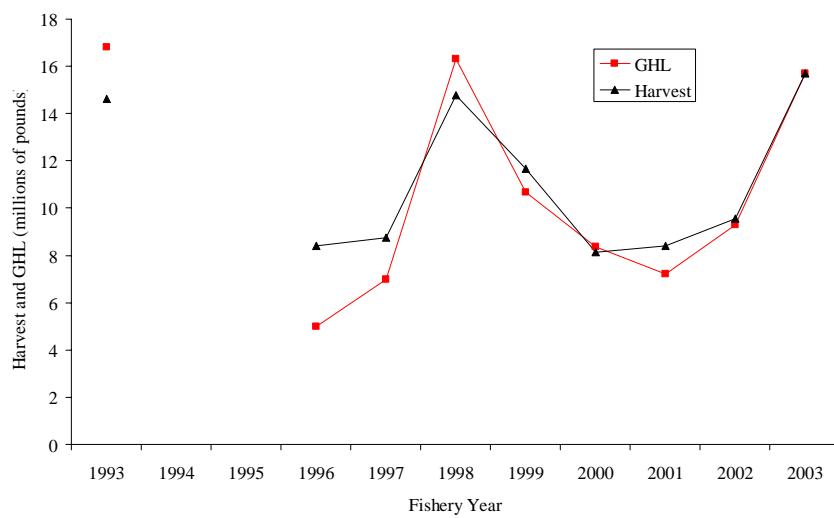


Figure 6. Bristol Bay commercial red king crab general and CDQ fishery harvest and guideline harvest levels, 1993-2003.

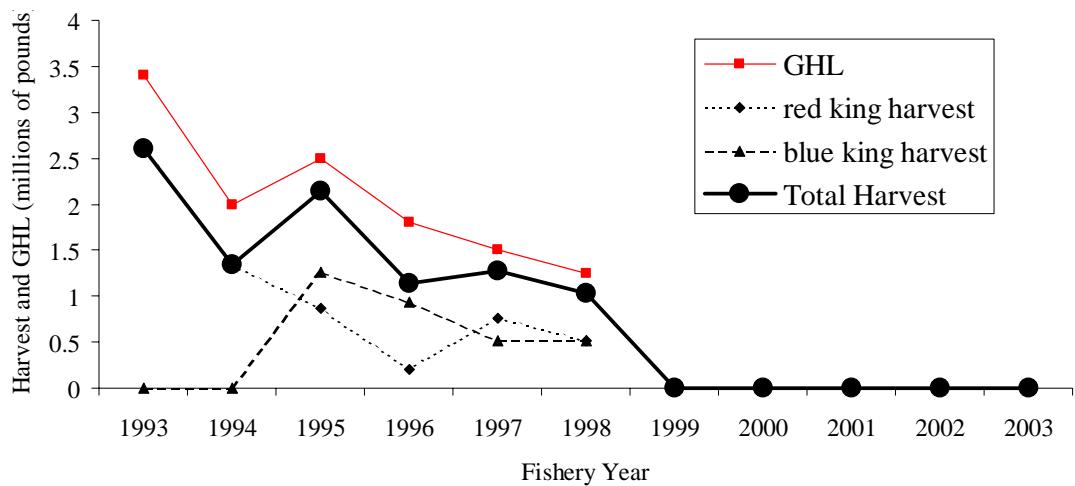


Figure 7. Pribilof District commercial red and blue king crab harvest and guideline harvest levels (GHLs), 1993-2003.

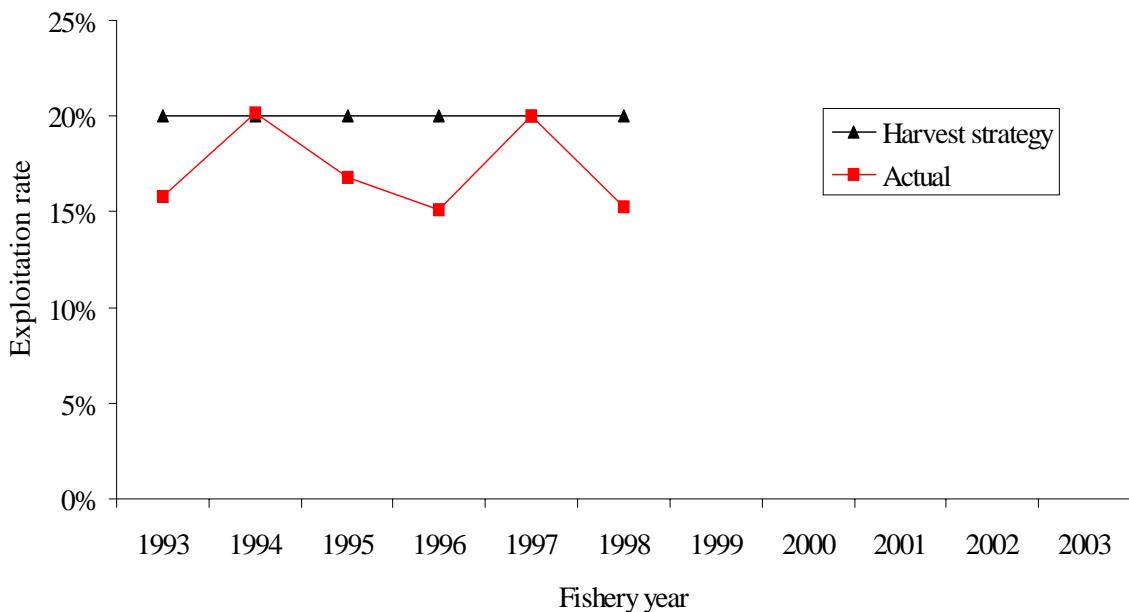


Figure 8. Comparison of harvest strategy specified and actual exploitation rates on mature-sized males (>104-mm carapace length) in the Saint Matthew Island Section commercial blue king crab fishery, 1993-2003 (see Table x10).

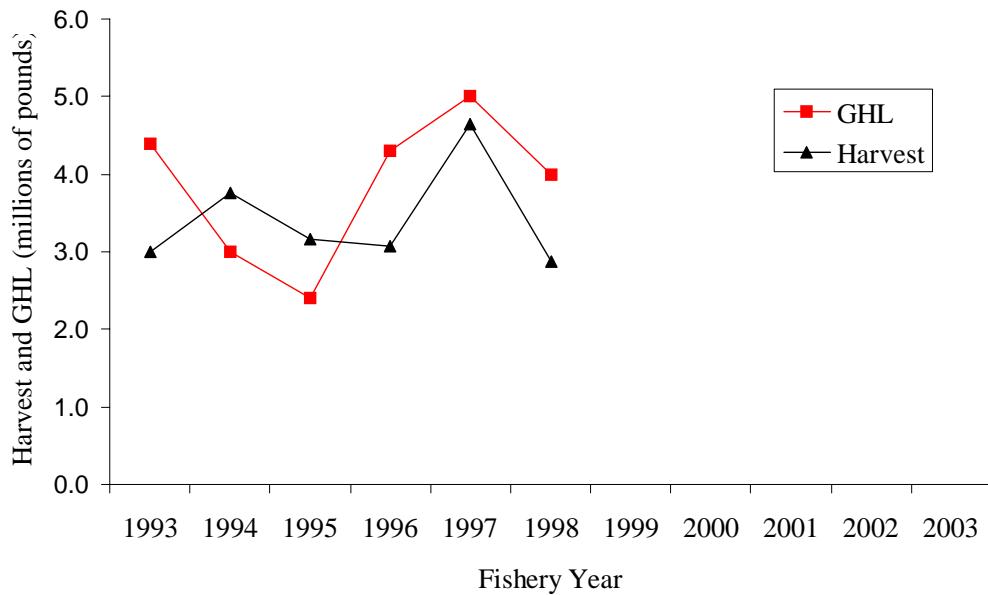


Figure 9. Saint Matthew Island Section commercial blue king crab harvest and guideline harvest levels (GHL), 1993-2003.