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SEDAR4/ Doc -

Size frequency distributions of silk snapper and queen snapper from dockside sampling of commercial landings in the U.S. VI

by

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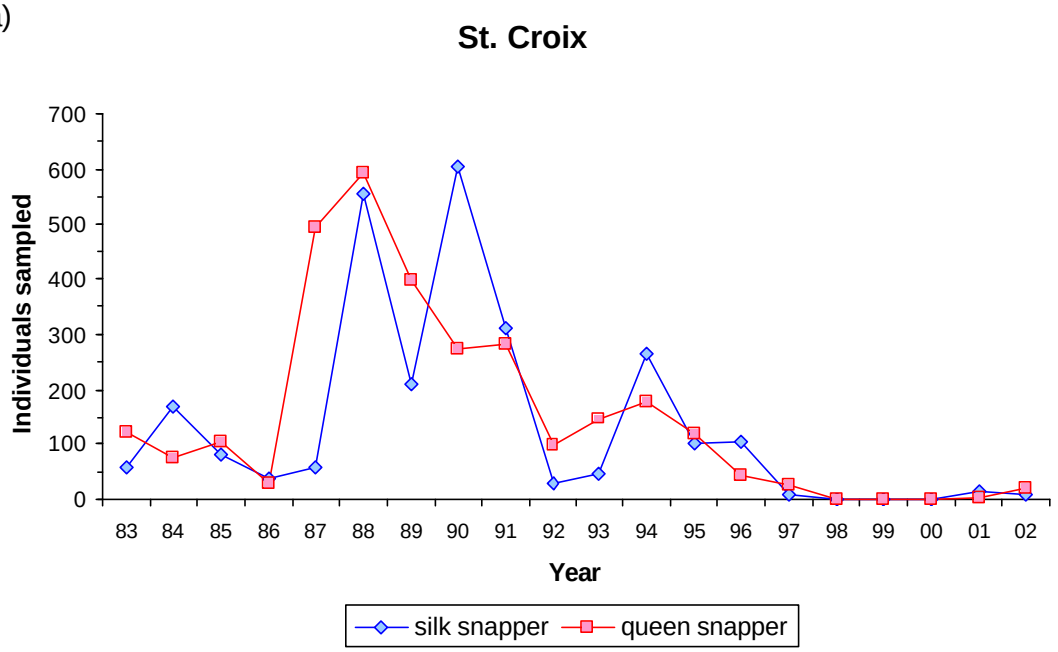
Size frequency information of sampled silk and queen snapper was obtained from the TIP program. Total number of individuals sampled in each major sampling area in the U.S. Virgin Islands (i.e., St. Croix and St. John-St. Thomas) by year are presented in Table 1 and Figure 1. Size frequency distributions (length and weight) of the sampled landings of each species in the St. Croix are area shown as histograms in Figures 2 to 5. Size frequency distributions for St. John and St. Thomas were combined because relatively few fish were measured in most years and are presented in Figure 6. Yearly means, medians, 90th and 80th percentiles of the sampled lengths and weights were estimated and presented in Figures 7 and 8.

Table 1. Numbers of silk and queen snapper measured in St. Croix and in St. Thomas and St. John combined.

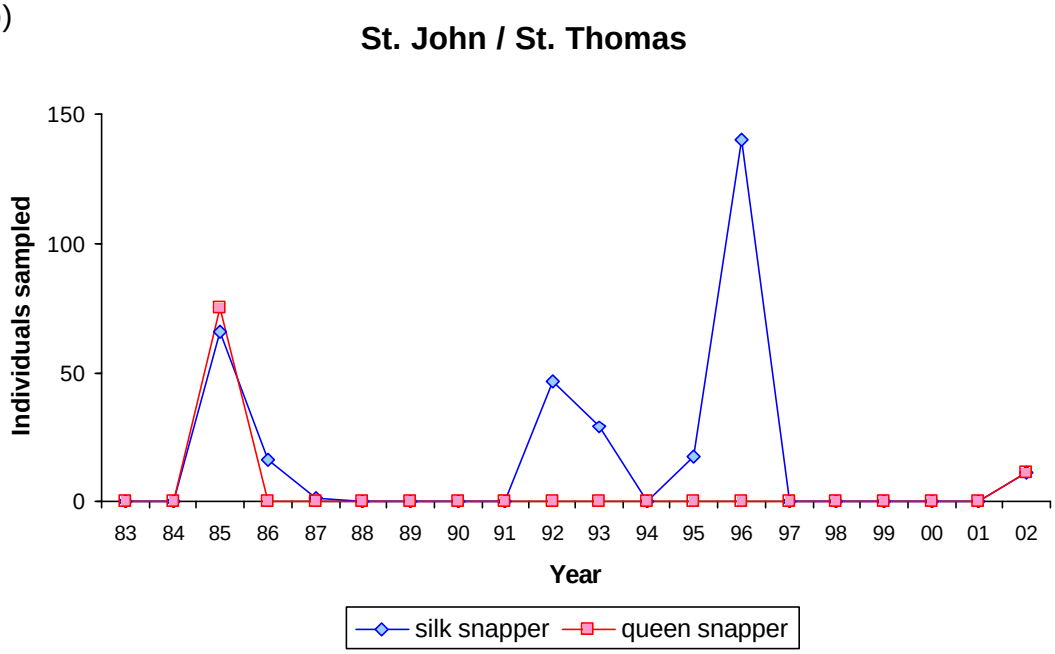
	silk snapper		queen snapper	
YEAR	St. Croix	St. Thomas / St. John	St. Croix	St. Thomas / St. John
1983	58	0	122	0
1984	170	0	75	0
1985	82	66	103	75
1986	38	16	29	0
1987	58	1	496	0
1988	555	0	592	0
1989	210	0	398	0
1990	605	0	275	0
1991	310	0	281	0
1992	29	47	99	0
1993	46	29	148	0
1994	265	0	178	0
1995	102	17	119	0
1996	104	140	43	0
1997	9	0	25	0
1998	0	0	0	0
1999	0	0	0	0
2000	0	0	0	0
2001	14	0	2	0
2002	8	11	19	11

Figure 1: Number of silk and queen snapper sampled in the a) St. Croix and b) St. Thomas / St. John areas.

a)



b)



Figure

2: Length frequency distribution of sampled silk snapper in the St. Croix area. Histograms from years 1986, 1992, and 1997 to 2002 are not presented due to small sample sizes.

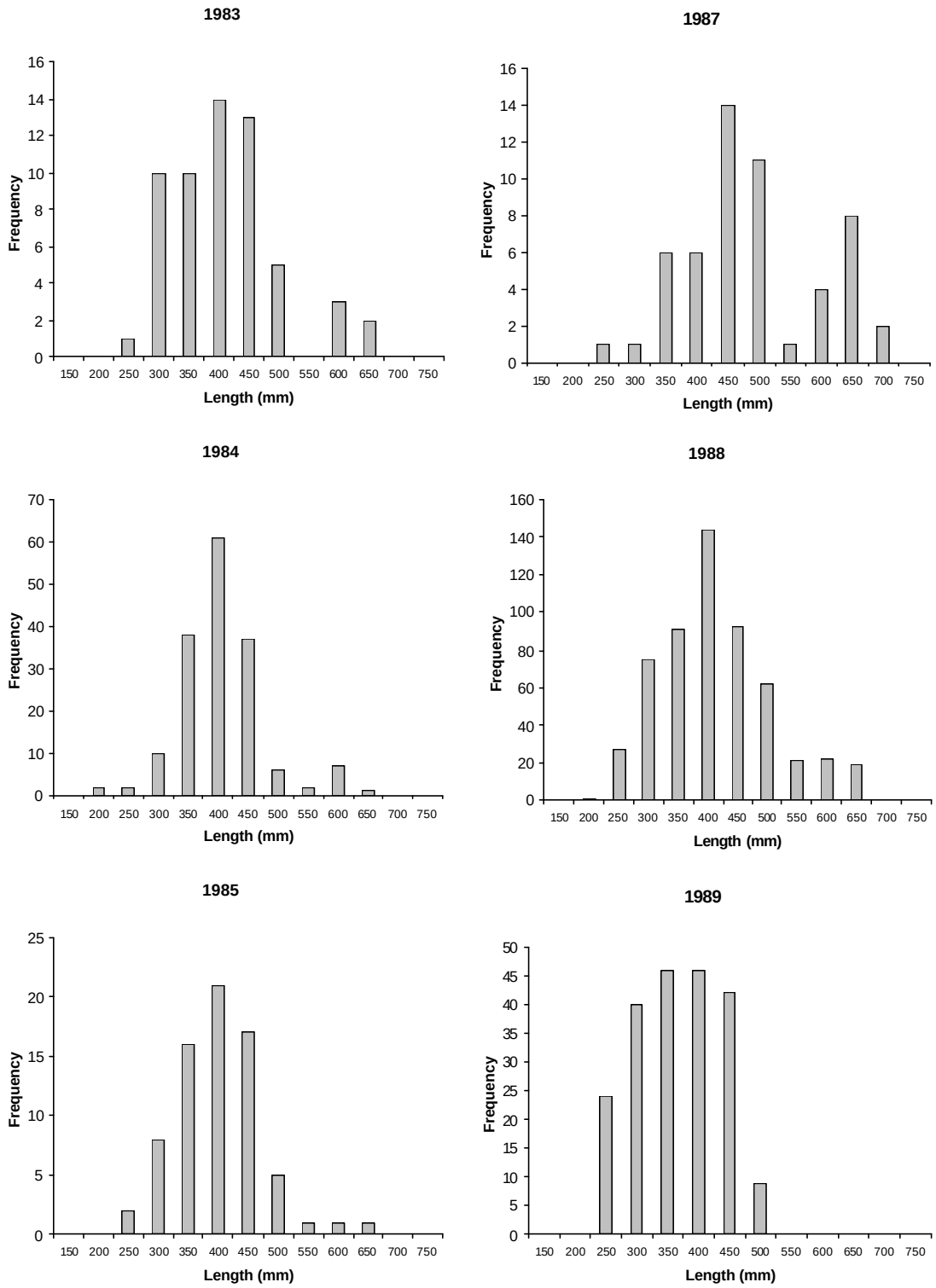
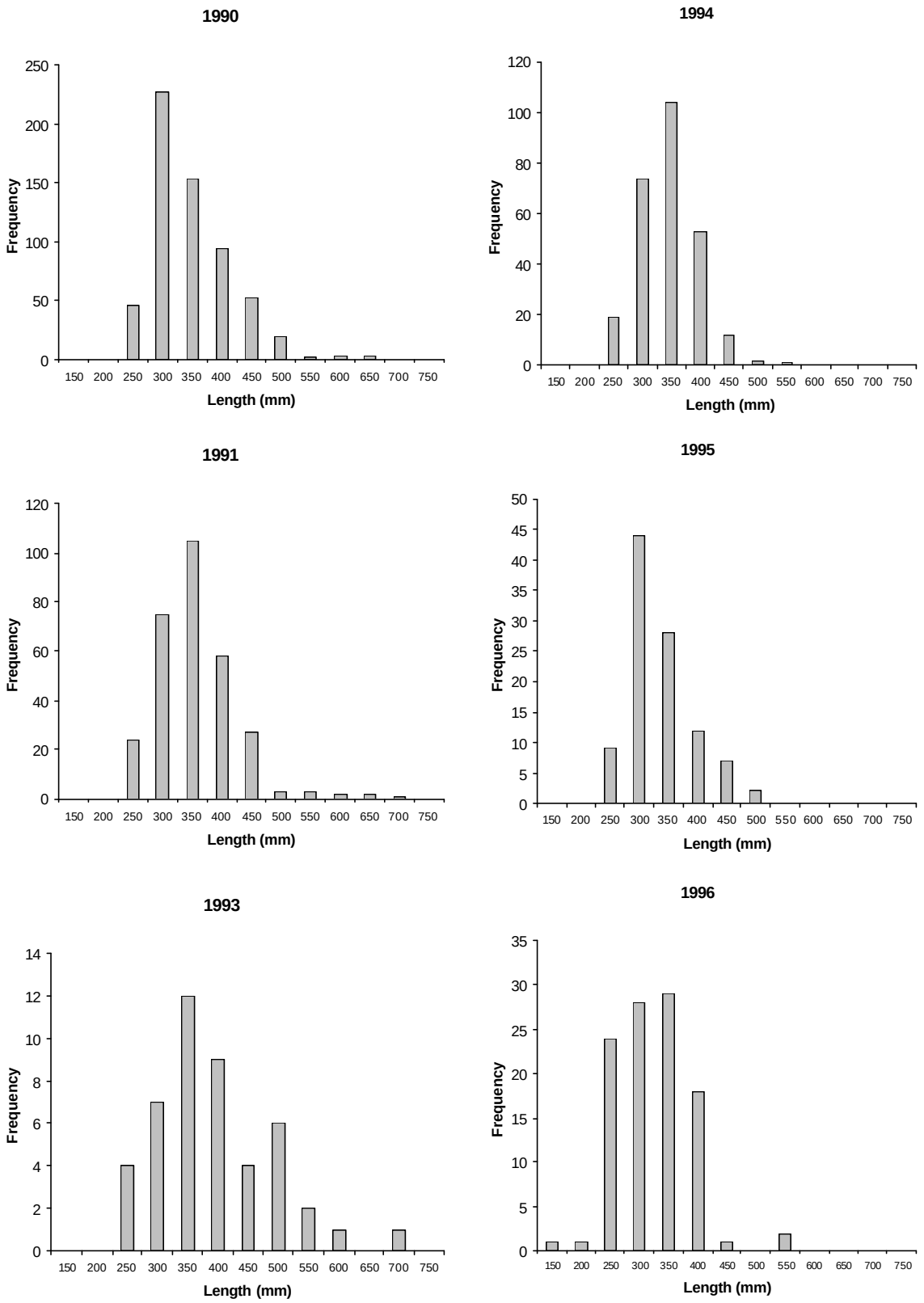


Figure 2 (continued)



Fig
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3: Weight frequency distribution of sampled silk snapper in the St. Croix area. Histograms from years 1986, 1992, and 1997 to 2002 are not presented due to small sample sizes.

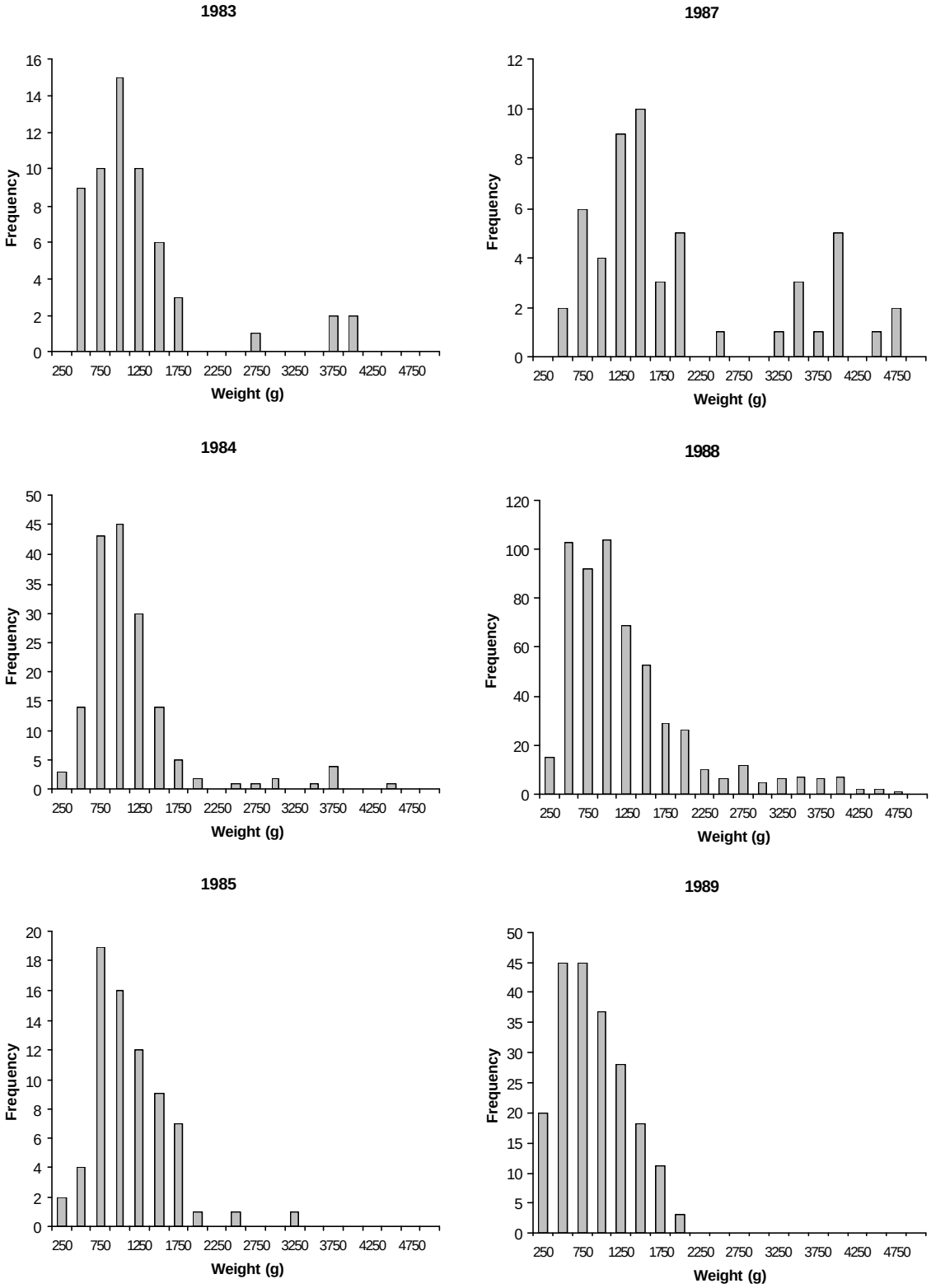


Figure 3 (continued)

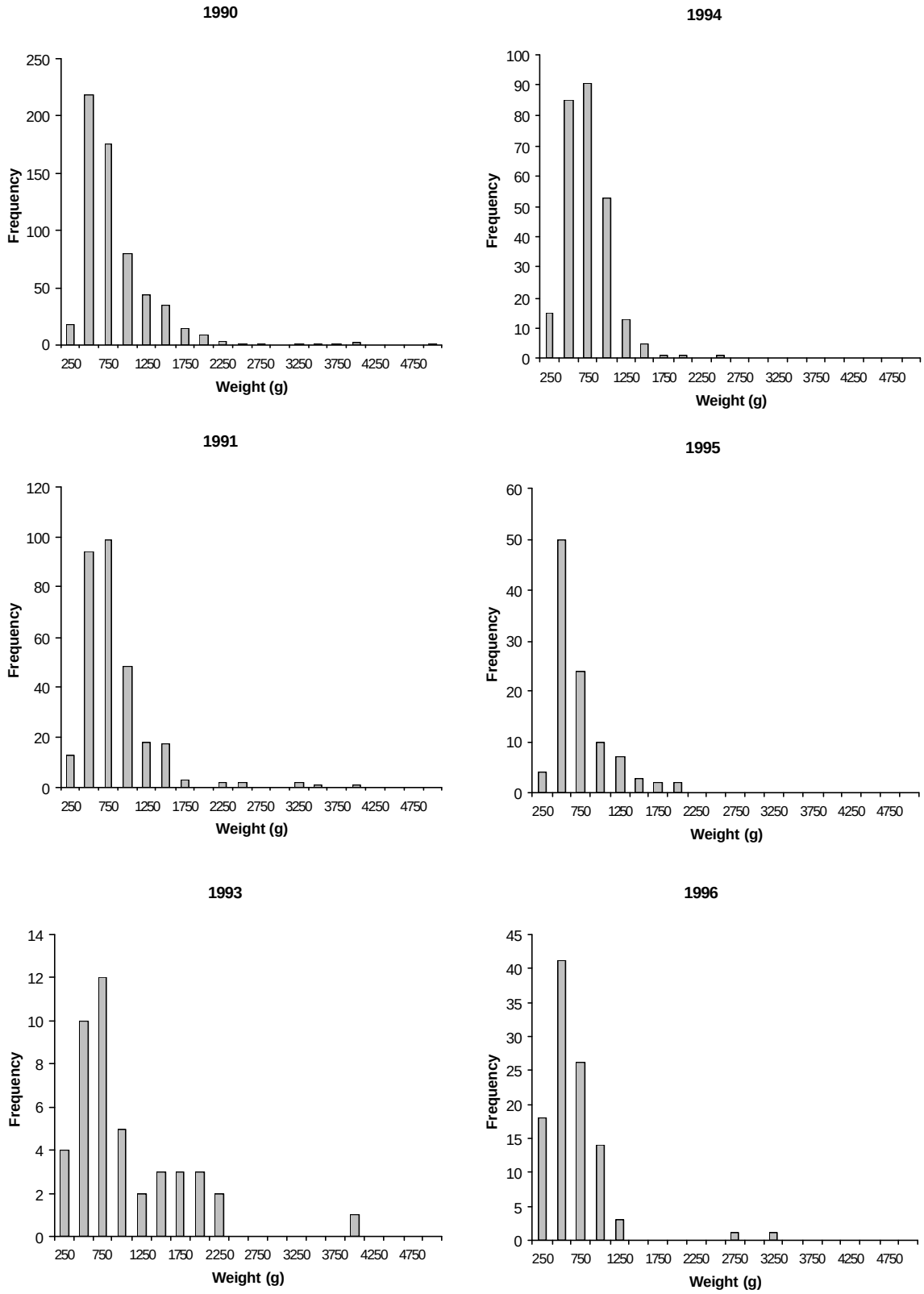
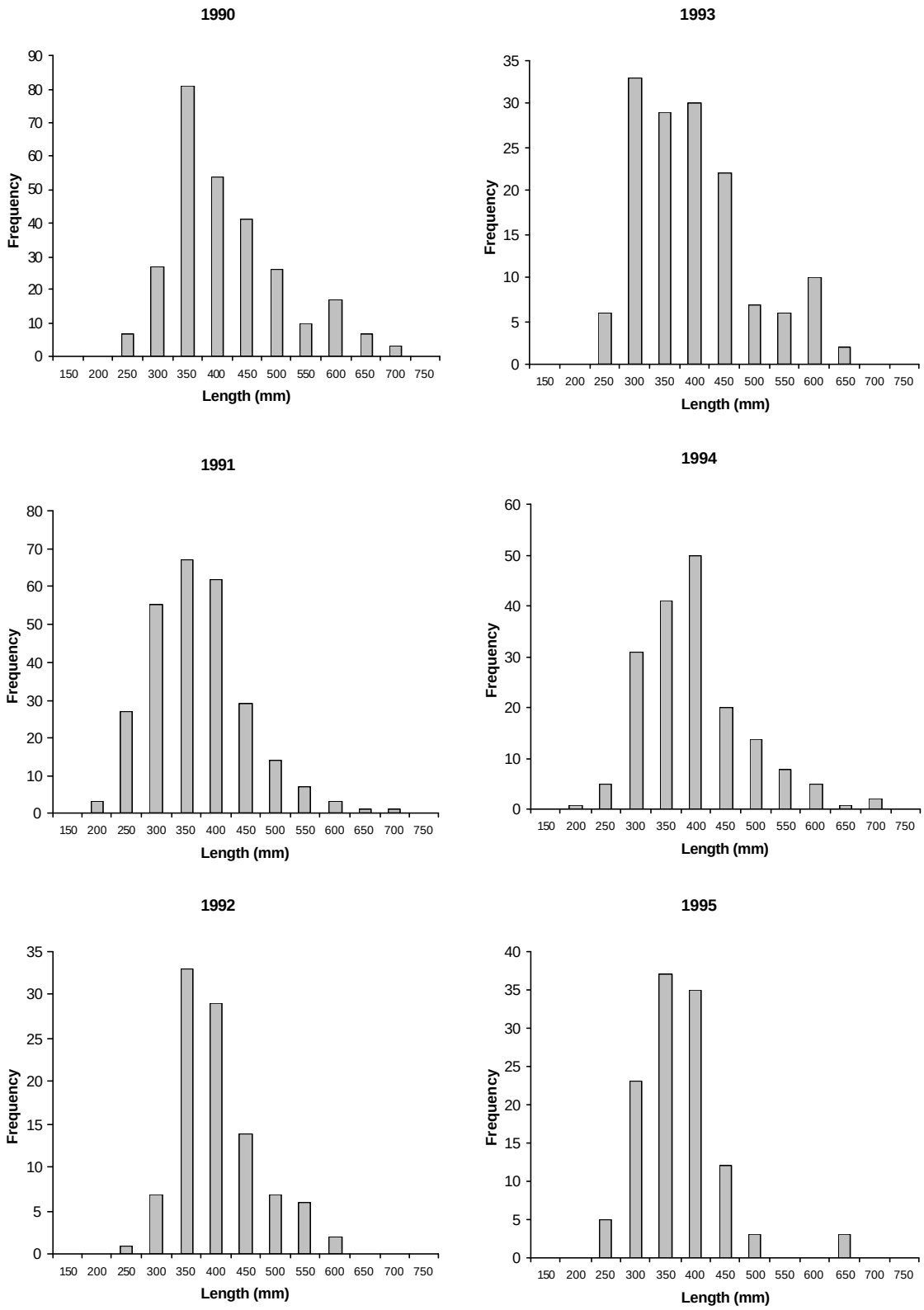


Figure 4: Length frequency distribution of sampled queen snapper in the St. Croix area Histograms from years 1986 and 1997 to 2002 are not presented due to small sample sizes.



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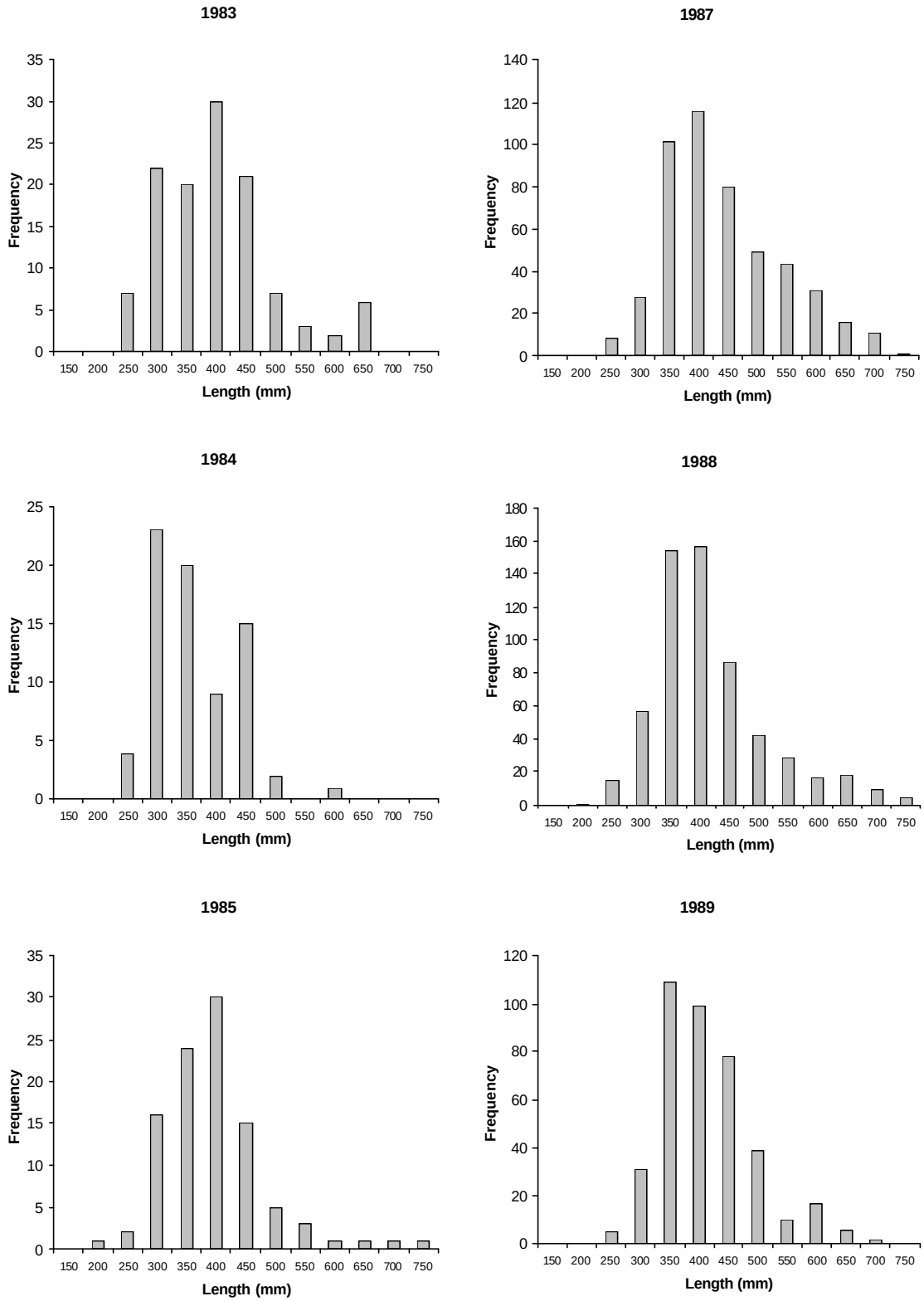

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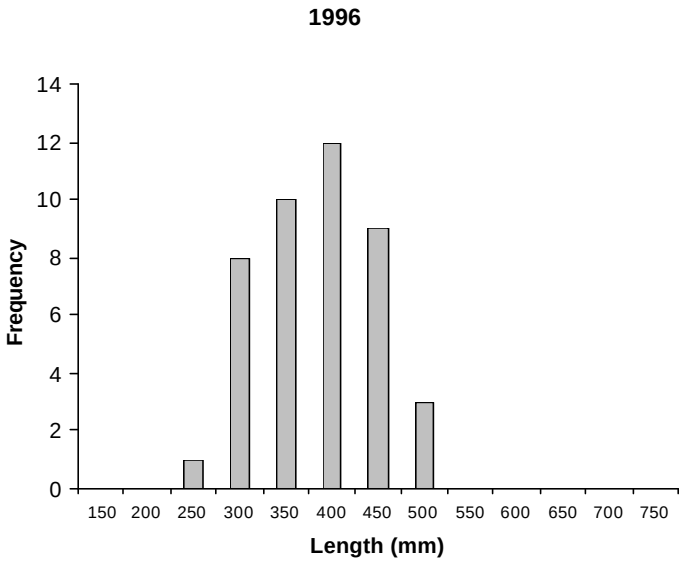


Figure 5: Weight frequency distribution of sampled queen snapper in the St. Croix area. Histograms from years 1986 and 1997 to 2002 are not presented due to small sample sizes.

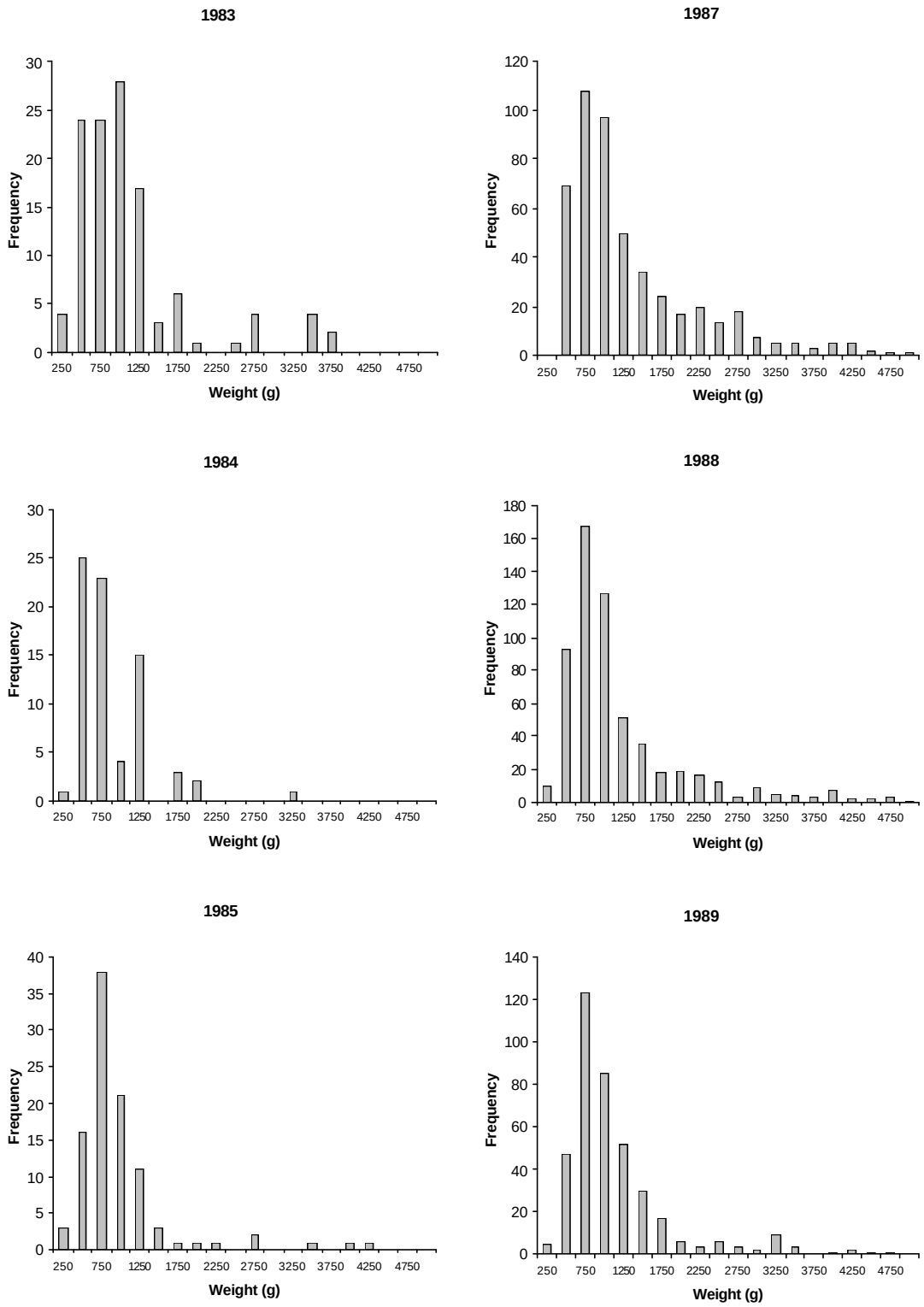


Figure 5 (continued)

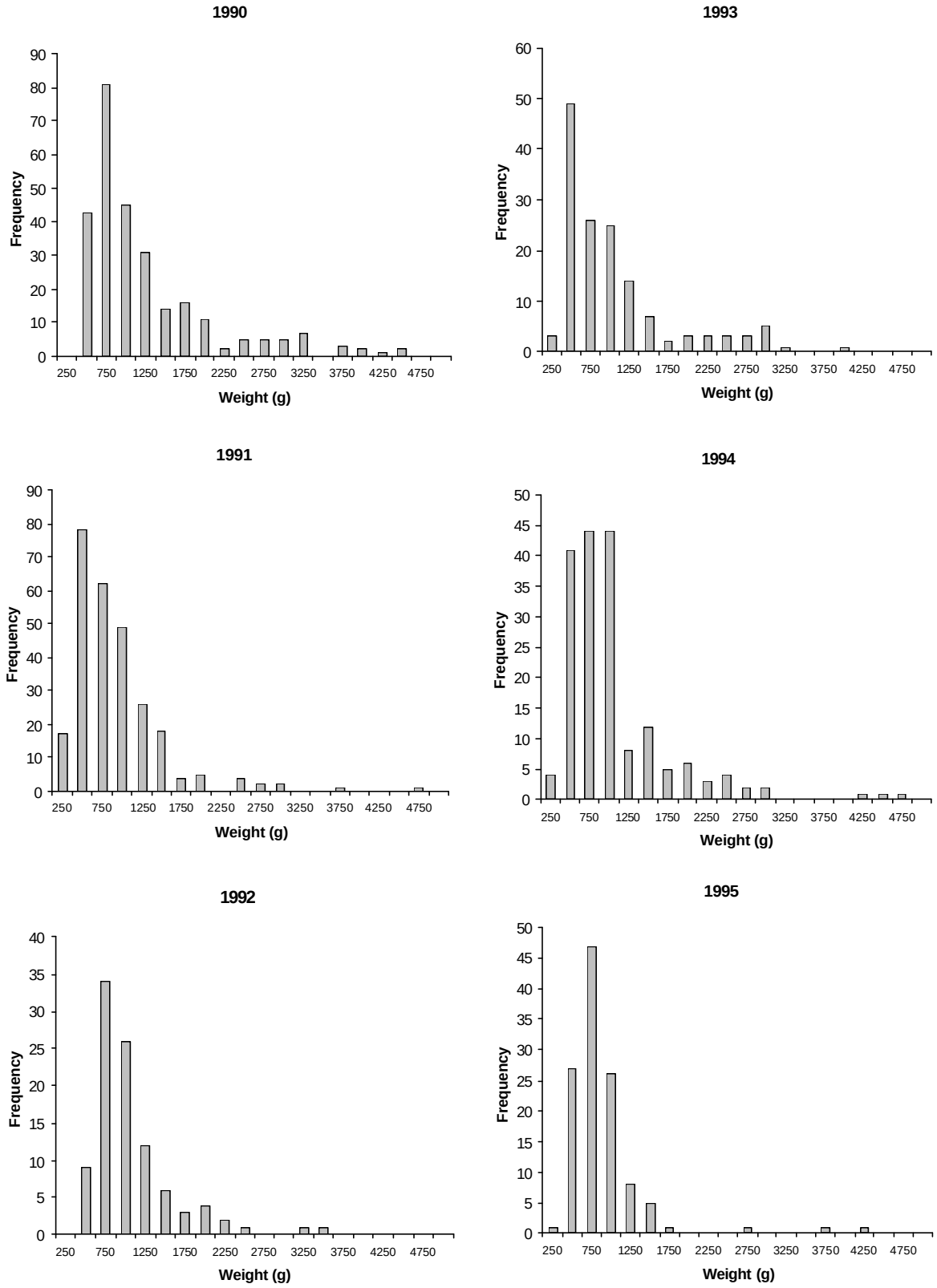


Figure 5 (continued)

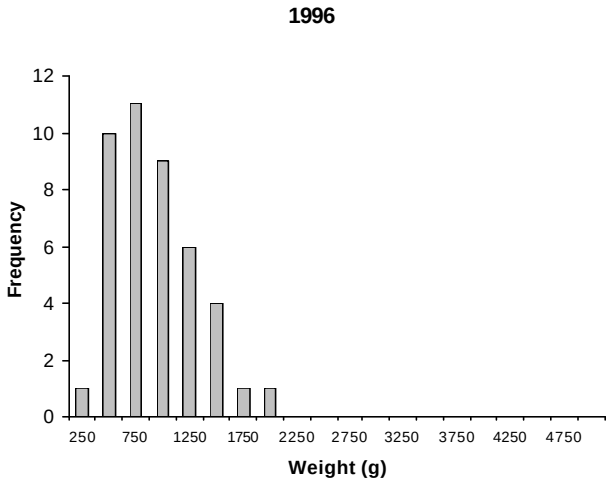


Figure 6: Size frequencies distributions of sampled silk and queen snapper in the St. Thomas / St. John area. Only those years with sample sizes > 47 individuals are presented.

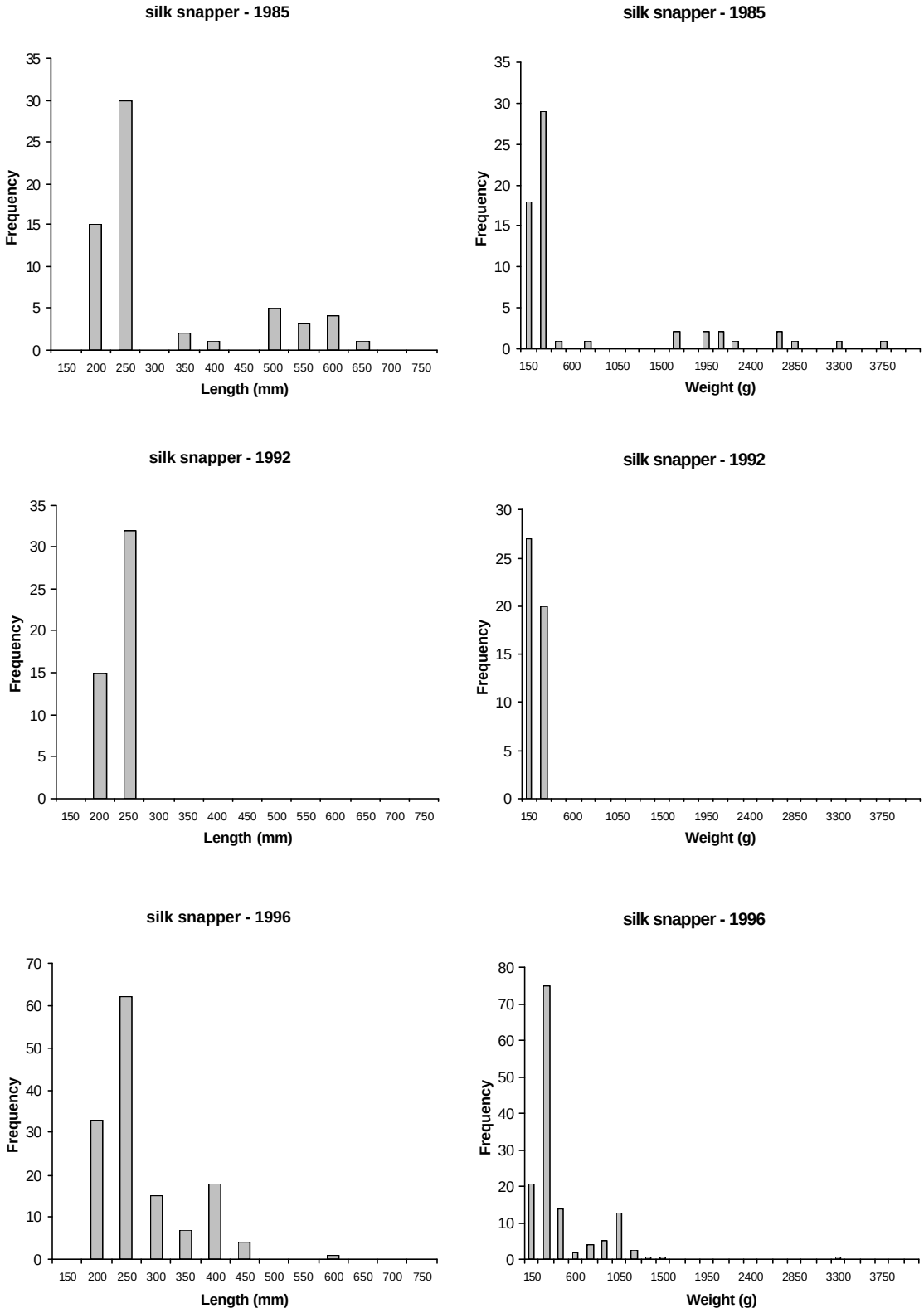
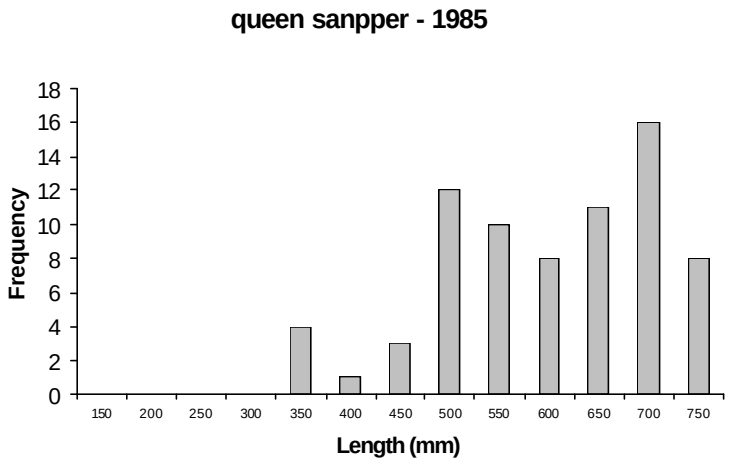


Figure 6 (continued)



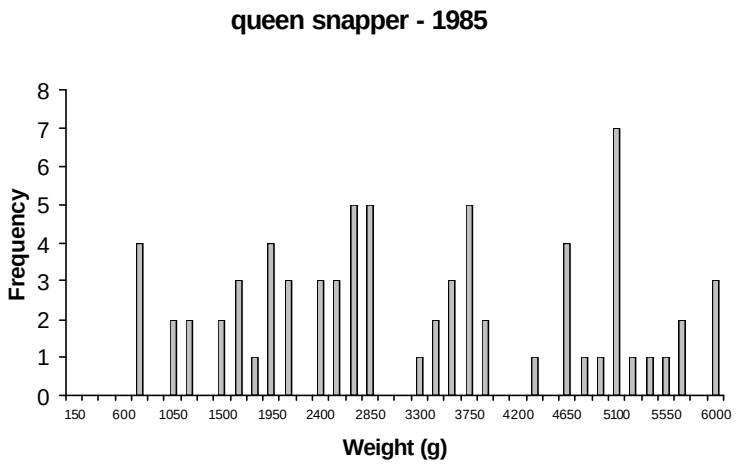
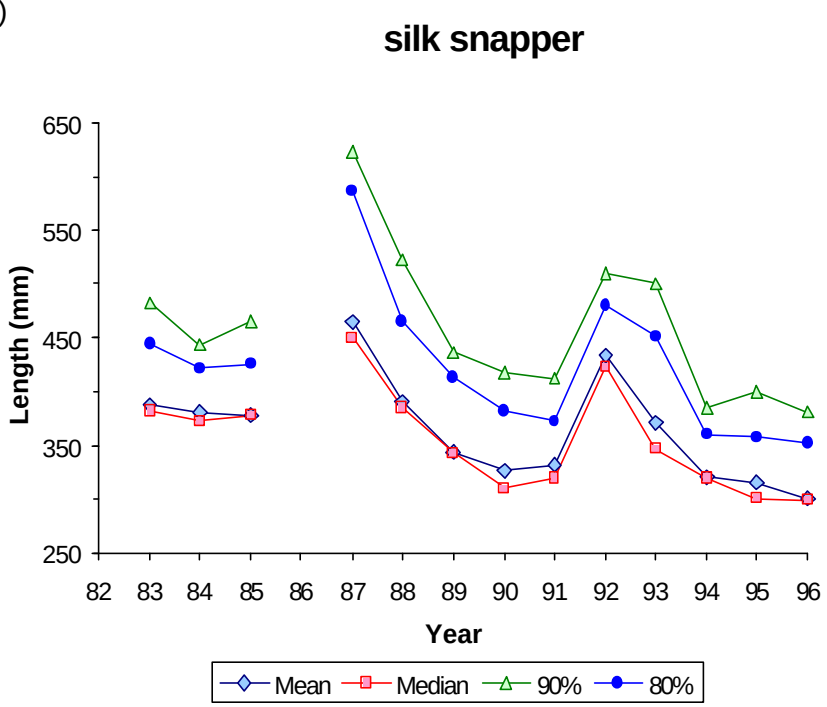


Figure 7: a) length and b) weight means, median, 90 percentile, and 80 percentile of sampled silk snapper in the St. Croix area.

a)



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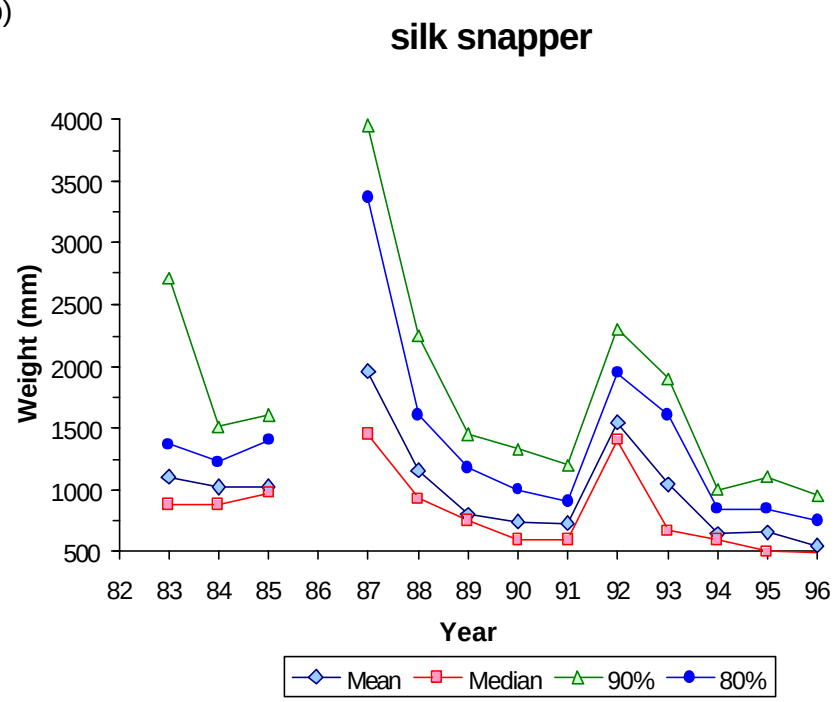
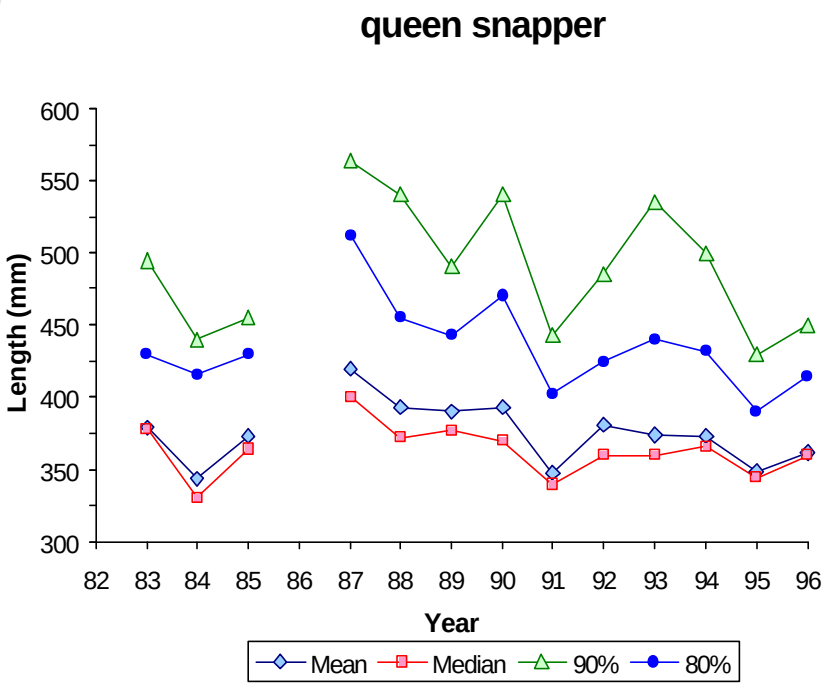
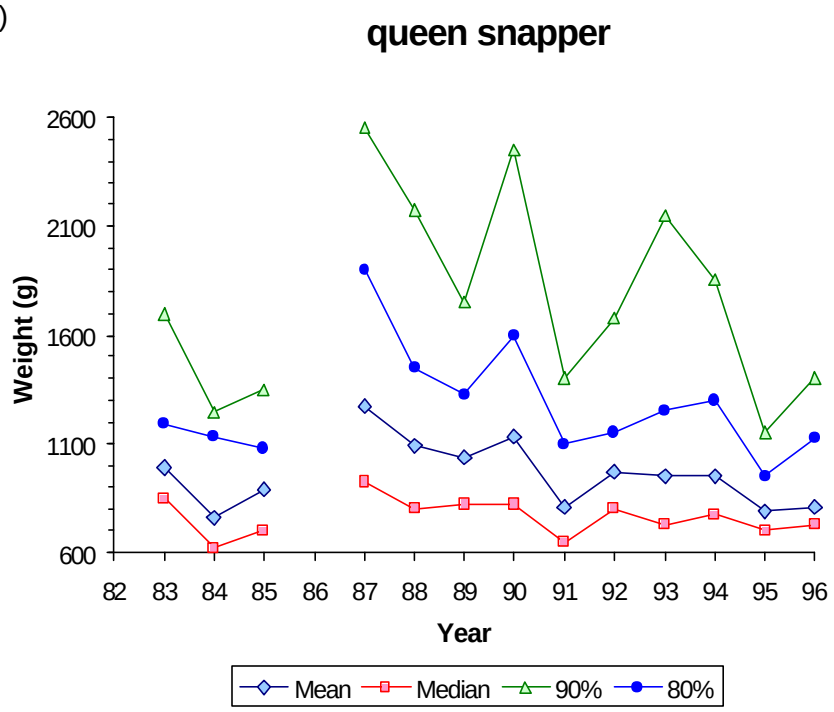


Figure 8: a) length and b) weight means, median, 90 percentile, and 80 percentile of sampled queen snapper in the St. Croix area.

a)



b)