

**COMPILATION AND SUMMARY OF EX-
VESSEL FISH PRICES IN THE U.S. VIRGIN
ISLANDS, 1974/75 TO 2003/04**

Michael Holt,

And

K. Roger Uwate

Bureau of Fisheries
Division of Fish and Wildlife
Department of Planning and Natural Resources.
U.S. Virgin Islands

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BACKGROUND

Ex-vessel fish prices are an important aspect of any commercial fishery. These fish prices are necessary when estimating the total value of commercial landings. In addition, if the price for a species drops too low, then it is not economical to harvest that species. If the price for a species increases dramatically, then many fishers will be enticed into the fishery for that species. Further, historic ex-vessel fish prices can be the basis for a fish price index as well as the basis for fish market demand and elasticity studies. This is applicable globally, as well as for the U.S. Virgin Islands.

Are the ex-vessel prices for fish increasing, decreasing, or remaining stable? These estimates can be compared with fishing effort, total landings, and number of licensed commercial fishers to provide a broader and more complete picture of the fishery.

The ex-vessel price of fish in the U.S. Virgin Islands can be different for each species, species group, catch by gear type, or for each fishing year (the fishing year in the USVI is from July to June). Ex-vessel price of fish have been reported in a variety of references (such as internal memos and annual grant reports). As part of an effort to compile, consolidate, and standardize historic commercial catch report data over the last few years, old commercial catch report data files, reports, and internal documents at Division of Fish and Wildlife were identified and organized. These materials contained information on the ex-vessel price of fish each year.

The objective of this report is to document ex-vessel prices of fish for the 1974/75 to 2003/2004 fishing years for the U.S. Virgin Islands. As mentioned above, the fishing year is defined as July to June. Therefore the 2002/03 fishing year is from June 2002 to July 2003.

METHODOLOGY

Sources of Information – There were a multitude of information sources for ex-vessel prices of fish in the USVI for any particular year.

1. Commercial Fisheries Landings Summary Reports – As part of the organization of old catch report files, old reports documenting and summarizing commercial fisheries landings were identified. These were organized and compiled by year. Many contained information on fish prices.
2. Commercial Catch Report Data Files – As part of the organization of old catch reports, all available commercial catch reports for the U.S. Virgin Islands from 1974/75 to 2002/03 are in the process of either being: (1) entered and proofed, (2) re-proofed, or (3) re-entered and re-proofed. In a few of these years (mid to late 1980's), fish prices or value of catch (associated with pounds landed) were reported.
3. DFW Internal Files – In addition to #1 and #2 above, as part of the organization of old catch reports, all files that contained information on commercial catch reports for the

U.S. Virgin Islands were identified and examined. Information on ex-vessel fish prices was sometimes included in these files.

4. 2002/03 and 2003/04 Fish Prices – In December 2003, DFW conducted a short survey of selected commercial fishers in St. Thomas/St. John and St. Croix. Four St. Thomas/St. John commercial fishers were asked about species group prices in December 2002 and December 2003. Five St. Croix commercial fishers were asked about fish group prices in December 2002 and December 2003. Results of these surveys are documented here.

Comparison of Ex-Vessel Fish Prices – Each of the above sources of data was examined and reviewed. All of the information identified was reviewed and compiled by fishing year and district (see Appendix 1 for St. Thomas/St. John and Appendix 2 for St. Croix).

1. Commercial Fisheries Landings Summary Reports – All available commercial fisheries landings summary reports were reviewed. Any that contained information on fish prices were identified and fish prices were extracted and included in Appendices 1 and 2 (see also References Cited section below).
2. Commercial Catch Report Data Files – All available commercial catch report data files were examined for fish price and landings values. Those that contained fish prices and landed values were identified (mid to late 1980's). For these years, fish landed value was recorded by gear type (the values of trap fish landed or net fish landed were indicated). If only landed values and pounds landed were indicated, fish prices (by gear type) could be calculated based on these two numbers (fish price = value of catch/pounds landed). For those years that contained fish price information, a spreadsheet was created for each fishing year. Up to ten fish prices were collected for each gear type for a district and fishing year. These were the basis for calculating a price for each gear type.
3. DFW Internal Files – All available internal files related to commercial catch reports were inspected. In some of these files, information was located regarding ex-vessel fish prices. These are included in Appendices 1 and 2.
4. 2002/03 and 2003/04 Fish Prices – In December 2003, DFW conducted a short survey of selected commercial fishers in St. Thomas/St. John and St. Croix. Four St. Thomas/St. John commercial fishers were asked about species group prices in December 2002 and December 2003. Five St. Croix commercial fishers were asked about fish group prices in December 2002 and December 2003. Based on those responses, an average price per pound was calculated for each species group. Summary responses were included in Appendices 1 and 2.

RESULTS

All available fish price information was collected and consolidated into Appendices 1 and 2. Based on this information, scatter plots of all St. Thomas/St. John (see Figure 1) and St. Croix (see Figure 2) prices were created. All St. Thomas/St. John prices for all categories were then

combined by fishing year and presented in the form of a scatter plot (see Figure 3). The same was done for St. Croix prices (see also Figure 3). Linear regression lines were overlaid on Figure 3 to indicate general trends.

Comparisons were then made of St. Thomas/St. John fish prices by catch category for various periods between the 1974 to 2003 fishing years. Conch and lobster price comparisons are presented in Figure 4. Net and hand catch price comparisons are presented in Figure 5. Trap and line catch price comparisons are presented in Figure 6. Whelk and baitfish price comparisons are presented in Figure 7. Angelfish, dolphin, barracuda, and goatfish price comparisons are presented in Figure 8. Grouper, jack, grunt, and mackerel price comparisons are presented in Figure 9. Parrotfish, snapper, shellfish, and tuna price comparisons are presented in Figure 10. Finally triggerfish, surgeonfish, and wahoo price comparisons are presented in Figure 11. As above, linear regression lines were overlaid onto Figures 4 to 11 to indicate general trends (see Appendix 3 for regression coefficients and r^2 values).

Similar price comparisons for St. Croix catch categories for various periods between 1974 to 2003 fishing years were then made (for conch and lobster price comparisons see Figure 12; for net and hand catch price comparisons see Figure 13; for trap and line catch price comparisons see Figure 14; for whelk and baitfish catch price comparisons see Figure 15; for angelfish, dolphin, barracuda, and goatfish price comparisons see Figure 16; for grouper, jack, grunt, and mackerel see Figure 17; for parrotfish, snapper, shellfish, and tuna price comparisons see Figure 18; and for triggerfish, surgeonfish, and wahoo price comparisons see Figure 19). Again, linear regression lines were overlaid onto these figures to indicate general trends (see Appendix 3 for regression coefficients and r^2 values).

Finally, price comparisons for each catch category were made between St. Thomas/St. John and St. Croix for various periods between 1974 to 2003 fishing years (for conch price comparisons see Figure 20; for lobster price comparisons see Figure 21; for whelk price comparisons see Figure 22; for trap catch price comparisons see Figure 23; for hand catch price comparisons see Figure 24; for line catch price comparisons see Figure 25; for net catch price comparisons see Figure 26; for baitfish price comparisons see Figure 27; for angelfish price comparisons see Figure 28; for barracuda price comparisons see Figure 29; for goatfish price comparisons see Figure 30; for grouper price comparisons see Figure 31; for grunt price comparisons see Figure 32; for jack price comparisons see Figure 33; for mackerel price comparisons see Figure 34; for parrotfish price comparisons see Figure 35; for shellfish price comparisons see Figure 36; for snapper price comparisons see Figure 37; for surgeonfish price comparisons see Figure 38; for triggerfish price comparisons see Figure 39; for tuna price comparisons see Figure 40; for wahoo price comparisons see Figure 41, and for dolphin price comparisons see Figure 42). Once again, linear regression lines were overlaid on these figures to indicate general trends (see Appendix 3 for regression coefficients and r^2 values).

DISCUSSION

In general, overall ex-vessel prices were similar in St. Thomas/St. John compared with those in St. Croix (see Figure 3). Both linear regression lines were rather similar and overlapped.

At the gear or species group level (see Figures 4 to 11), for St. Thomas/St. John most gear catches and species group catches showed similar trends. Ex-vessel prices increased over time. However, there were exceptions. For example, baitfish ex-vessel prices appear rather flat (see Figure 7). Angelfish, barracuda, goatfish (see Figure 8), jack, grunt (see Figure 9), parrotfish, shellfish (see Figure 10), triggerfish, and surgeonfish (Figure 11) ex-vessel prices have declined. This is also reflected in the linear regression with a negative sign on the slope of the line (see Appendix 3).

For St. Croix, most gear catches and species group catches also showed a gradual increase over the years (see Figure 12 to 19). There were a few exceptions. Baitfish, (see Figure 15), angelfish, barracuda, goatfish (see Figure 16), jack, grunt, mackerel (see Figure 17), parrotfish, shellfish (see Figure 18), triggerfish, and surgeonfish (see Figure 19) ex-vessel prices showed a general decline.

In general, St. Thomas/St. John ex-vessel prices were very similar to those of St. Croix (see Figures 20 to 42). Many ex-vessel prices that were initially different between districts, moved closer together in recent years (see barracuda Figure 29, goatfish Figure 30, grouper Figure 31, jacks Figure 33, mackerel Figure 34, and snapper Figure 37). In one case, historical ex-vessel prices have remained different (see shellfish Figure 36).

As indicated in the introduction, landings data for the last 30 years is currently being organized and checked. Once this process is completed, the price information compiled here can be applied to estimate total value of annual landings. In addition, information compiled here can be used as a basis for any future socio-economic assessments of the fishery.

REFERENCES CITED

Anon. 1979. Fisheries statistics of the Virgin Islands. Annual Progress Report, Segment 1, Project No. 2-335-R. 1978-1979. Department of Conservation and Cultural Affairs, Government of the Virgin Islands of the United States.

Barshinger, C.W ca 1992. State/Federal Commercial Fishery Statistics Project #SF-42 (NA90AAHSF228) Annual Summary Report, U.S. Virgin Islands 1990-1991. Department of Planning and Natural Resources, Division of Fish & Wildlife, St. Thomas, U.S. Virgin Islands.

Barshinger, C.W ca 1993. State/Federal Commercial Fishery Statistics Project #SF-42 (NA90AAHSF228) Annual Summary Report, U.S. Virgin Islands 1991-1992. Department of Planning and Natural Resources, Division of Fish & Wildlife, St. Thomas, U.S. Virgin Islands.

Barshinger, C. 1997. US Virgin Islands/National Fisheries Service Interjurisdictional Fisheries Program Final Report. 1 October 1994 – 30 September 1997. Division of Fish and Wildlife, Department of Planning and Natural Resources, St. Thomas, Virgin Islands.

Clavijo, I., M. Brandon, and W. Tobias. 1984. State/Federal Cooperative Statistics Program Virgin Islands, Annual Report - Segment 2 – Project No. SF-22, 1982-1984. Division of Fish and Wildlife, Department of Conservation and Cultural Affairs.

Clavijo, I.E., W. Tobias, and C. Jennings. 1986. State/Federal Cooperative Statistics Program USVI Completion Report, Segments 1-3. project No. SF-22. April 1, 1983 – March 31, 1986. NA85 WC-H-06096. Division of Fish and Wildlife, Department of Conservation and Cultural Affairs, USVI.

Division of Fish and Wildlife. 1993. U. S. Virgin Islands Division of Fish and Wildlife/ National Marine Fisheries Service Cooperative Fishery Statistics Program. #SF-42 (NA90AAHSF228). Annual Summary Report 1992-1993. Department of Planning and Natural Resources, St. Thomas, U.S. Virgin Islands 00802.

Meyers, S. 1994. Annual Summary Report April 1993- March 1994 Cooperative Fishery Statistics Program #SF-42 (NA27FT0301-01). Bureau of Fisheries, Division of Fish and Wildlife, Department of Planning and Natural Resources, United States Virgin Islands.

Olsen, D.A., A.E. Dammann, and J.A. Laplace. 1975. Analysis of Catch Data for the Virgin Islands Commercial Fisheries. Annual Progress Report, Segment 1. Project 2-239, R-1. Supported by National Marine Fisheries Service, PL 88-309.

Tobias, W., R. Gomez, and B. Kojis. 2000. Three year summary report, April 1997 - March 1999, Cooperative Fishery Statistics Program NA77FT0093. Bureau of Fisheries, Division of Fish and Wildlife, Department of Planning and Natural Resources, United States Virgin Islands.

Uwate, K.R., and W. Tobias. 2002. Project completion report, April 1, 1997 to September 30, 2002, Cooperative Fishery Statistics Program NA77FT0093. Bureau of Fisheries, Division of Fish and Wildlife, Department of Planning and Natural Resources, USVI.

Wood, R.S 1983. Fishery statistics of the Virgin Islands, Annual Progress Report – Segment 4, Project No. 2-335-R. 1981-1982. Department of Conservation and Cultural Affairs, Government of the Virgin Islands of the United States.

ACKNOWLEDGEMENTS

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Figure 1. Scatter Plot of St. Thomas/St. John Ex-Vessel Price per Pound for All Catch Categories Combined, 1974 to 2004 Fishing Years

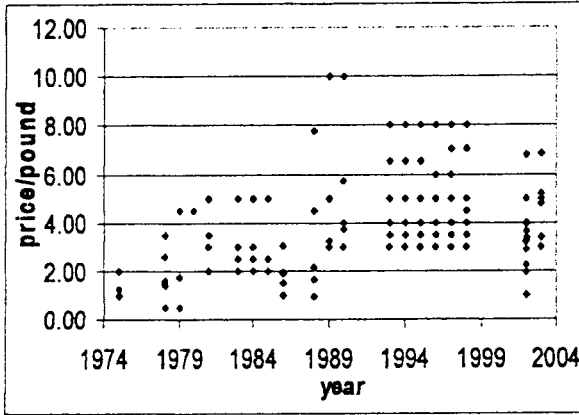


Figure 2. Scatter Plot for St. Croix Ex-Vessel Price per Pound for All Catch Categories Combined, 1974 to 2004 Fishing Year

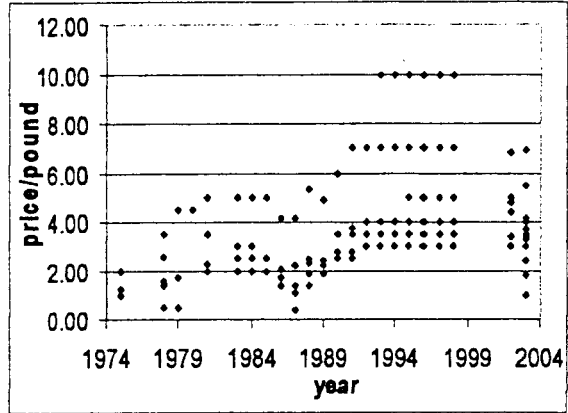


Figure 3. Scatter Plot of Average St. Thomas/St. John and St. Croix Fish Prices per Pound for 1974 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

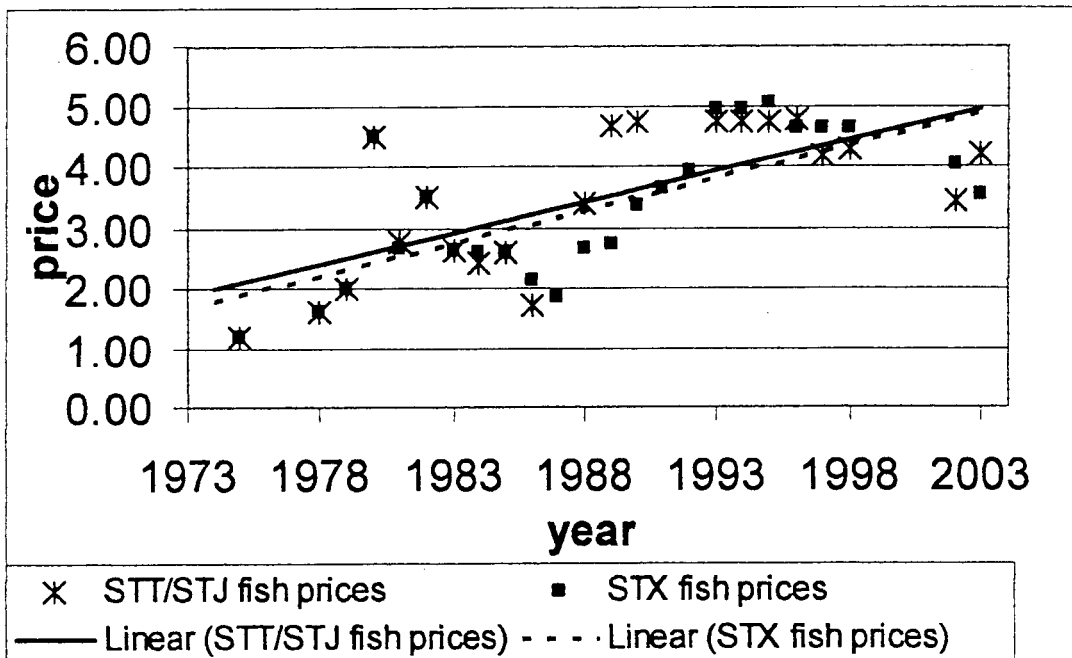


Figure 4. Scatter Plot of St. Thomas/St. John Ex-Vessel Price per Pound for Conch and Lobster, 1974 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

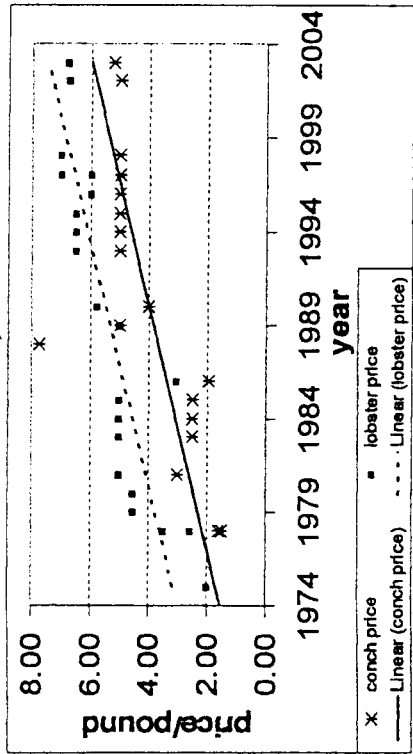


Figure 5. Scatter Plot of St. Thomas/St. John Ex-Vessel Price per Pound for Net and Hand Catches, 1974 to 1998 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

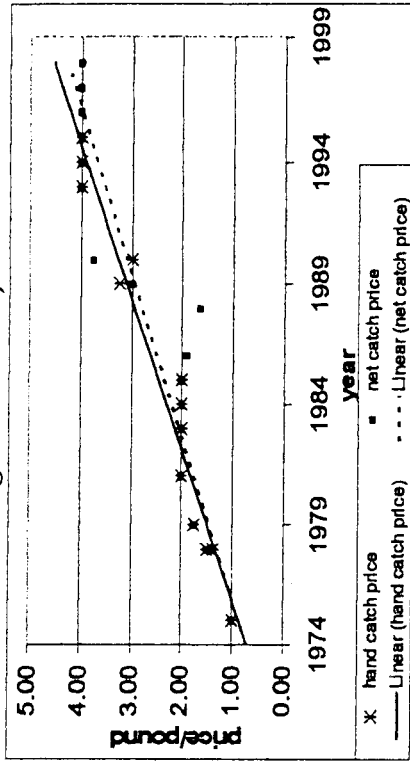


Figure 6. Scatter Plot of St. Thomas/St. John Ex-Vessel Price per Pound for Trap and Line Catches, 1974 to 1998 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

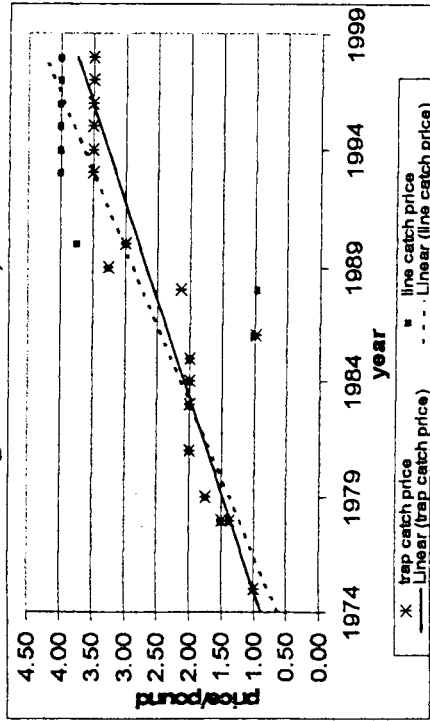


Figure 7. Scatter Plot of St. Thomas/St. John Ex-Vessel Price per Pound for Wheelk and Baitfish, 1979 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

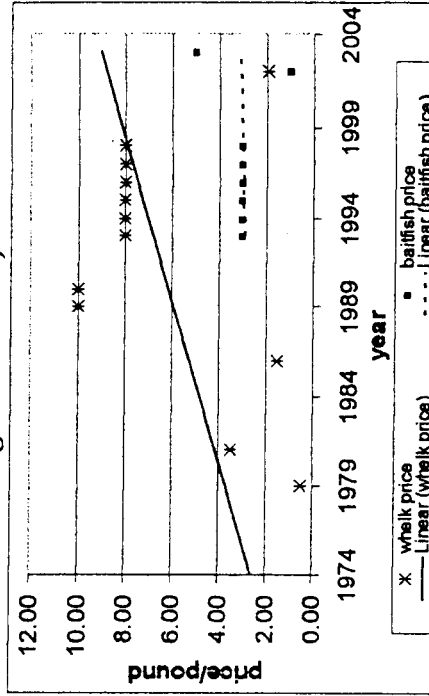


Figure 8. Scatter Plot of St. Thomas/St. John Ex-Vessel Price per Pound for Angelfish, Dolphin, Barracuda, and Goatfish Catches, 1997 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

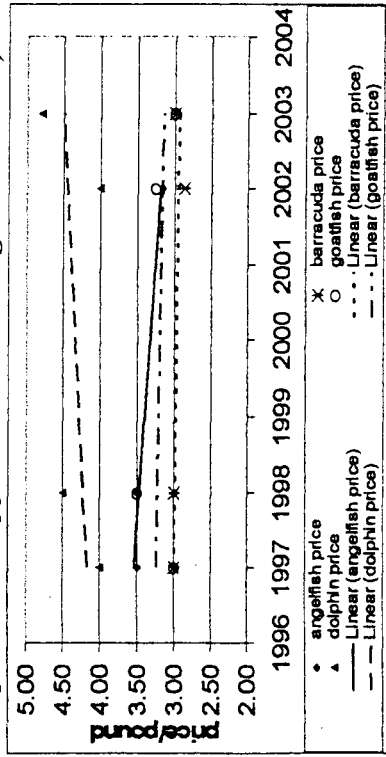


Figure 9. Scatter Plot of St. Thomas/St. John Ex-Vessel Price per Pound for Grouper, Jack, Grunt, and Mackerel Catches, 1997 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

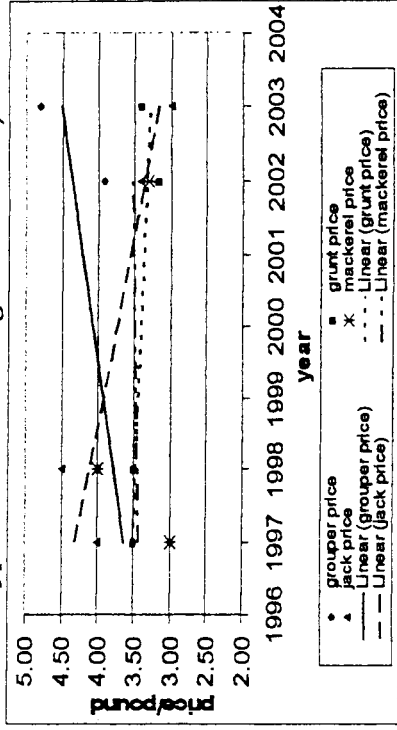


Figure 10. Scatter Plot of St. Thomas/St. John Ex-Vessel Price per Pound for Parrotfish, Snapper, Shellfish, and Tuna Catches, 1997 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

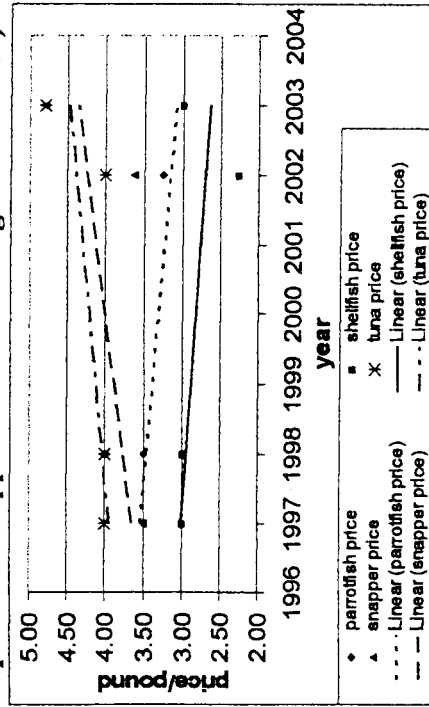


Figure 11. Scatter Plot of St. Thomas/St. John Ex-Vessel Price per Pound for Triggerfish, Surgeonfish, and Wahoo Catches, 1997 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

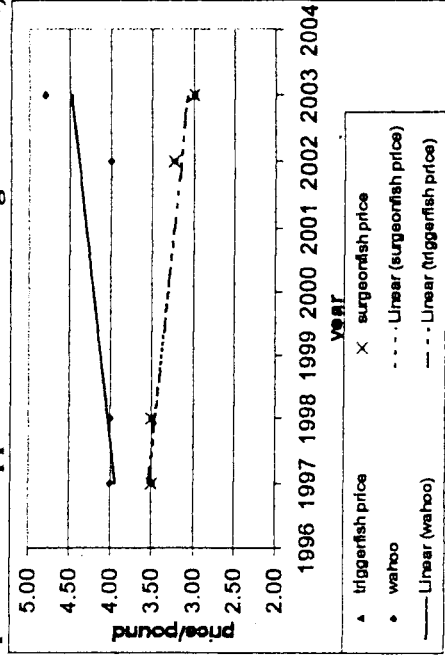


Figure 12. Scatter Plot of St. Croix Ex-Vessel Price per Pound for Conch and Lobster, 1974 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

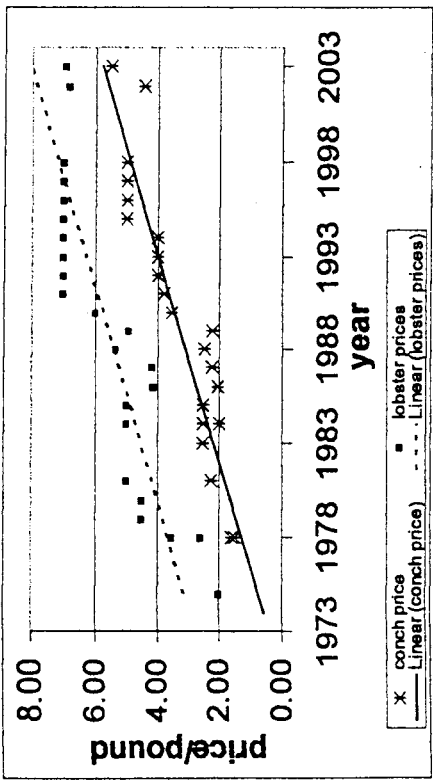


Figure 14. Scatter Plot of St. Croix Ex-Vessel Price per Pound for Trap and Line Catches, 1974 to 1998 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

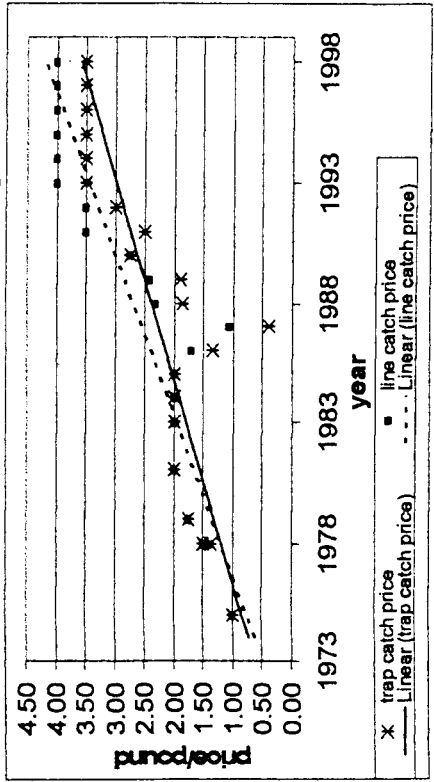


Figure 13. Scatter Plot of St. Croix Ex-Vessel Price per Pound for Net and Hand Catches, 1974 to 1998 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

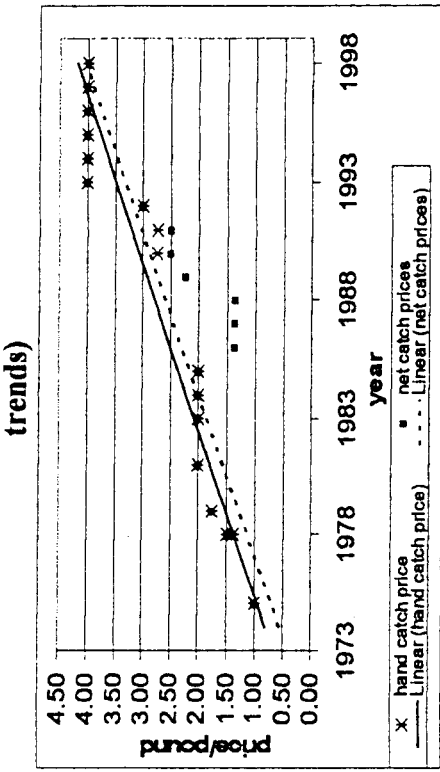


Figure 15. Scatter Plot of St. Croix Ex-Vessel Price per Pound for Wheelk and Baitfish, 1974 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

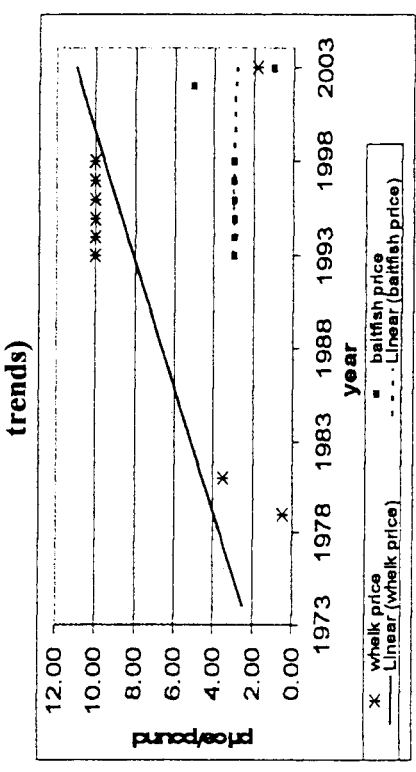


Figure 16. Scatter Plot of St. Croix Ex-Vessel Price per Pound for Angelfish, Dolphin, Barracuda, and Goatfish Catches, 1996 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

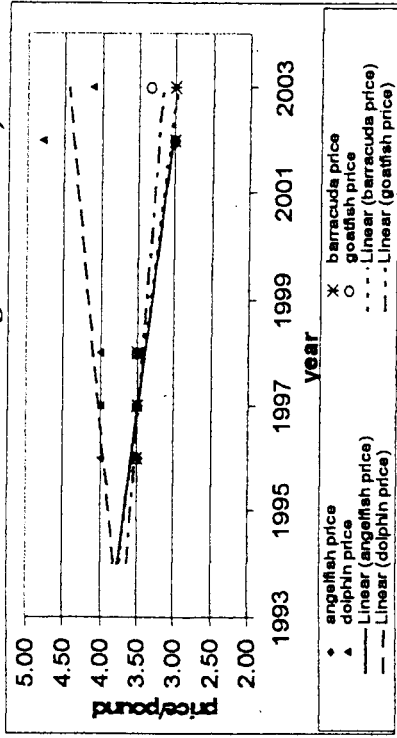


Figure 17. Scatter Plot of St. Croix Ex-Vessel Price per Pound for Grouper, Jack, Grunt, and Mackerel Catches, 1996 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

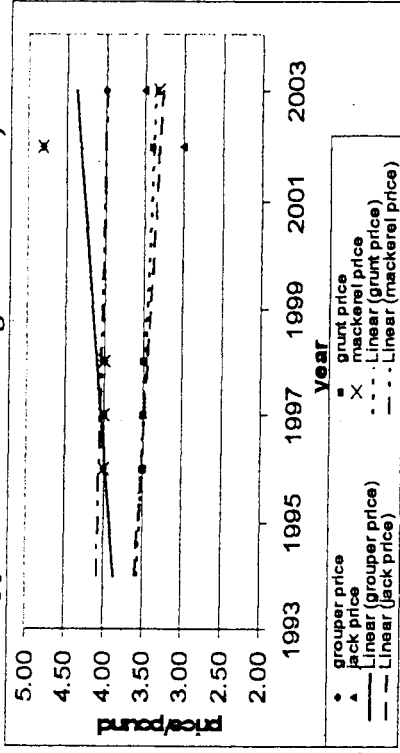


Figure 18. Scatter Plot of St. Croix Ex-Vessel Price per Pound for Parrotfish, Snapper, Shellfish, and Tuna Catches, 1996 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

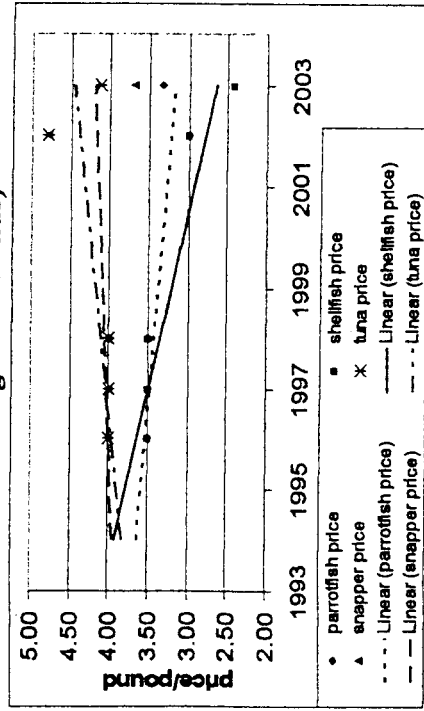


Figure 19. Scatter Plot of St. Croix Ex-Vessel Price per Pound for Triggerfish, Surgeonfish, and Wahoo Catches, 1996 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

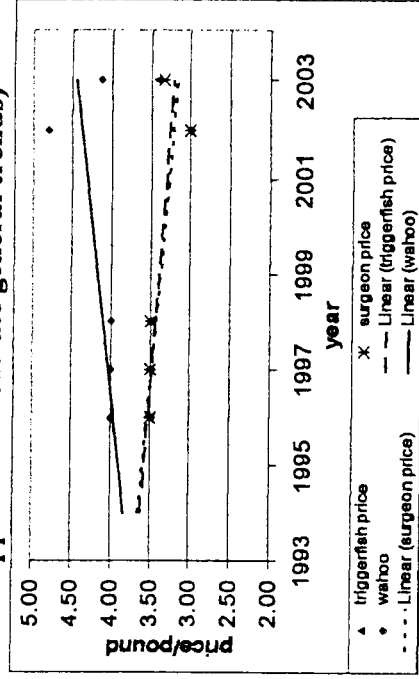


Figure 20. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Conch, 1974 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

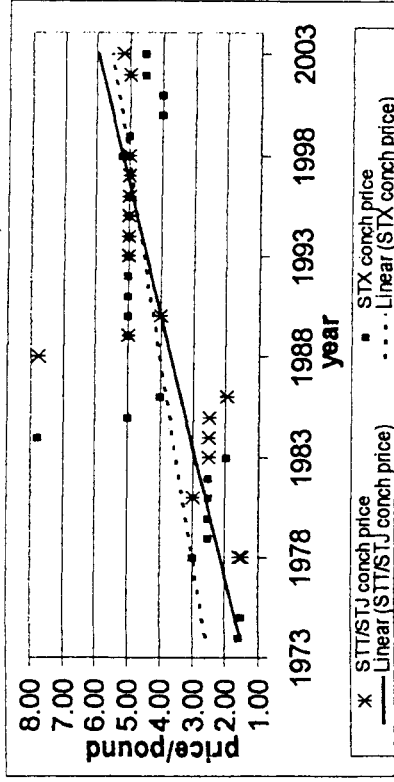


Figure 21. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Lobster, 1974 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

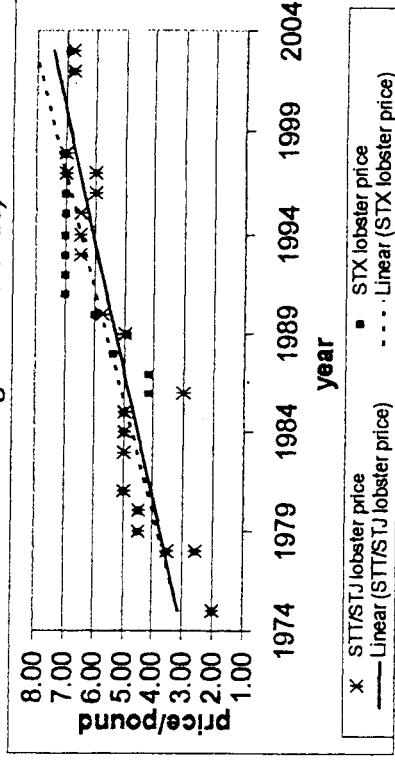


Figure 22. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Whelk, 1979 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

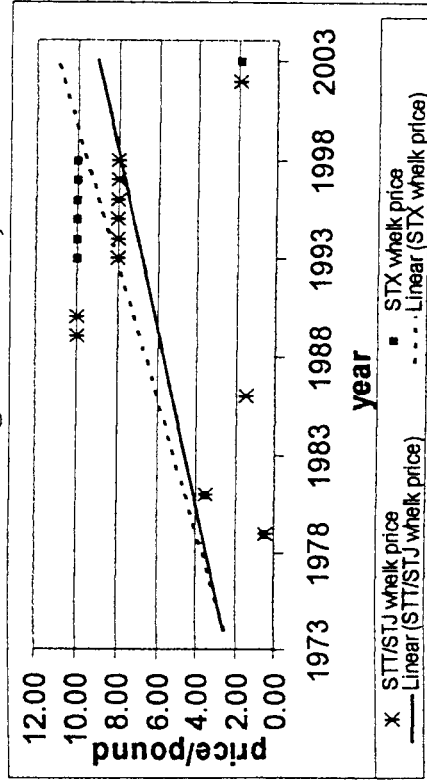


Figure 23. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Trap Catches, 1974 to 1998 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

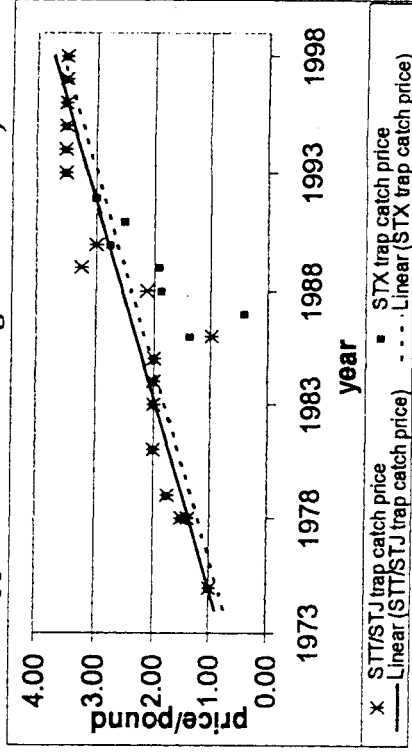


Figure 24. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Hand Catches, 1974 to 1998 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

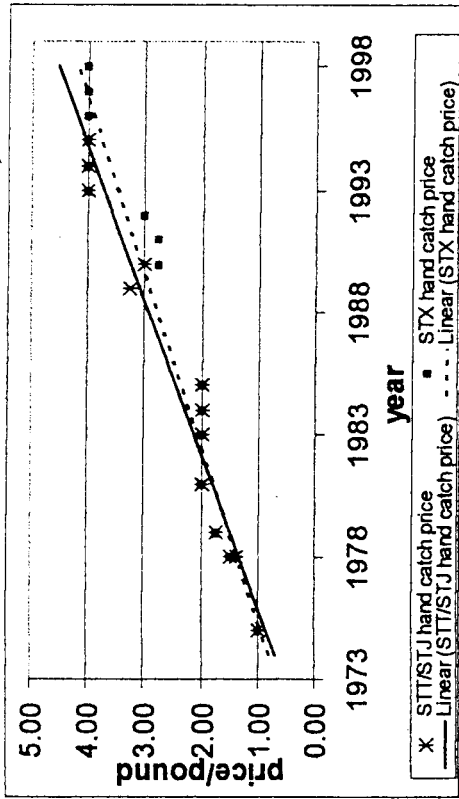


Figure 25. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Line Catches, 1974 to 1998 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

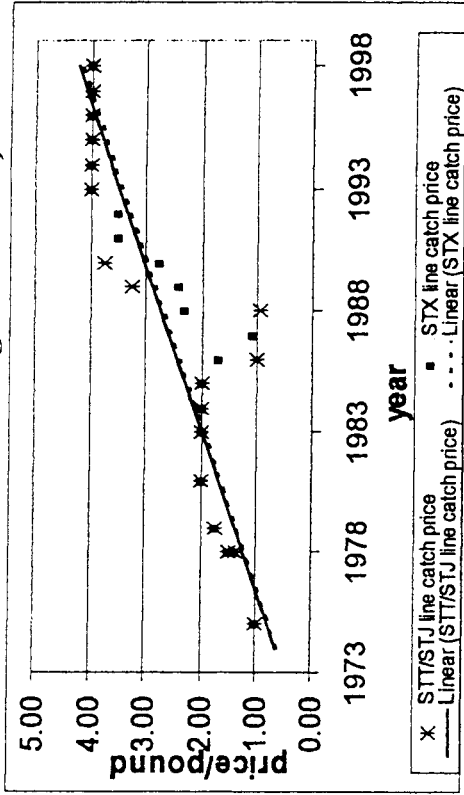


Figure 26. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Net Catches, 1974 to 1998 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

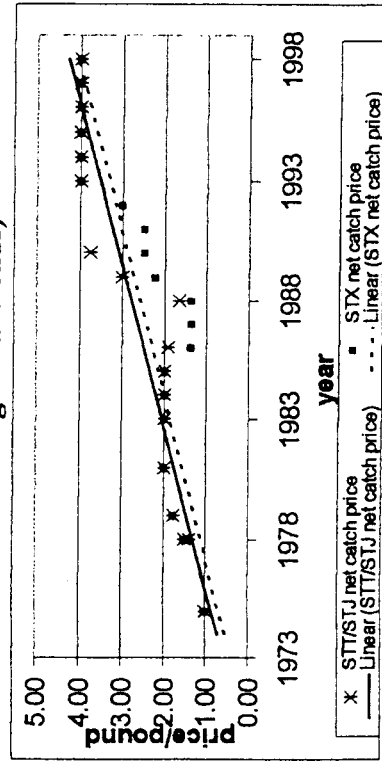


Figure 27. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Baitfish, 1993 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

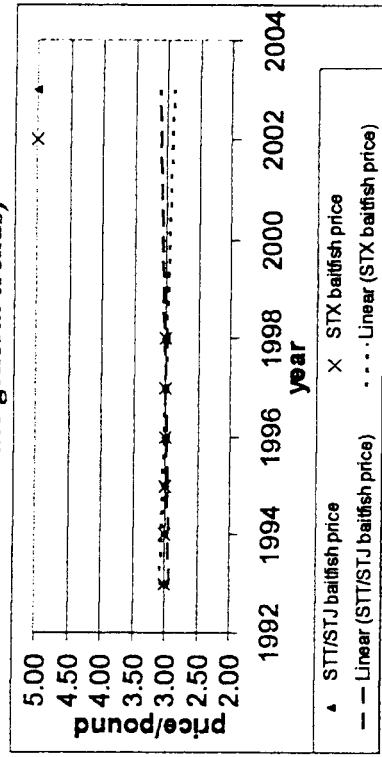


Figure 28. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Angelfish, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

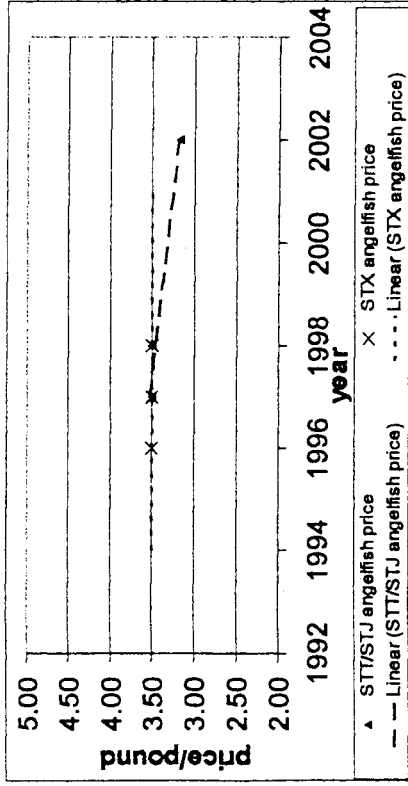


Figure 29. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Barracuda, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

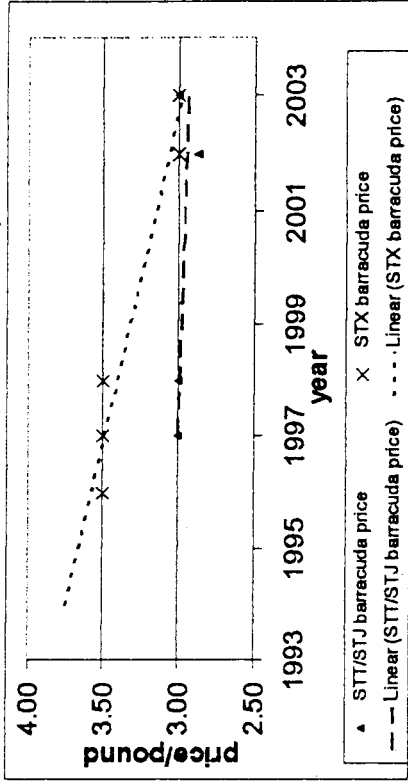


Figure 30. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Goatfish, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

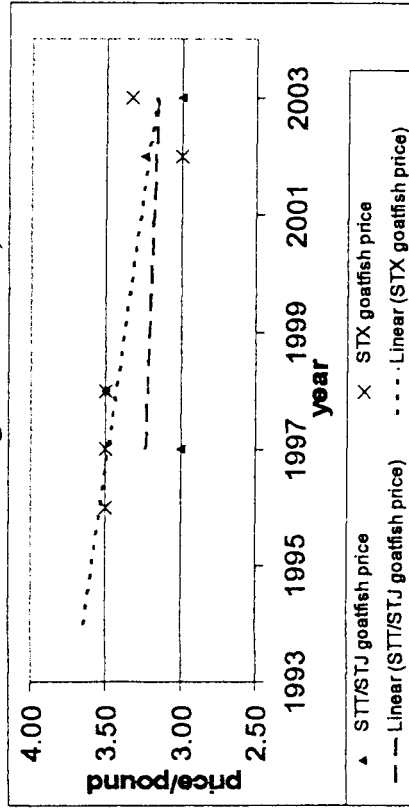


Figure 31. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Grouper, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

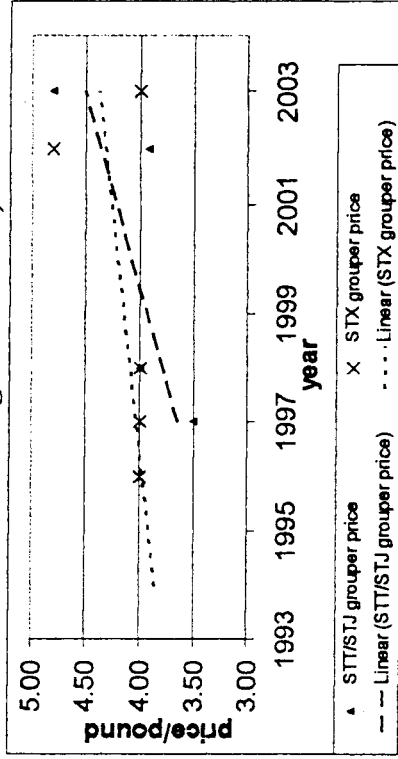


Figure 32. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Grunt, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

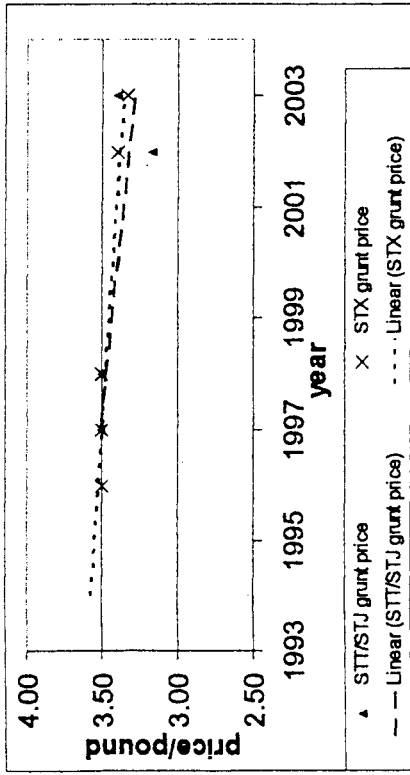


Figure 33. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Jacks, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

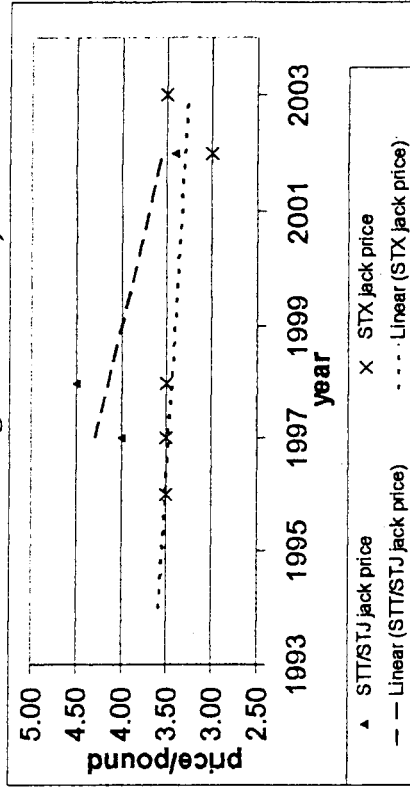


Figure 34. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Mackerel, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

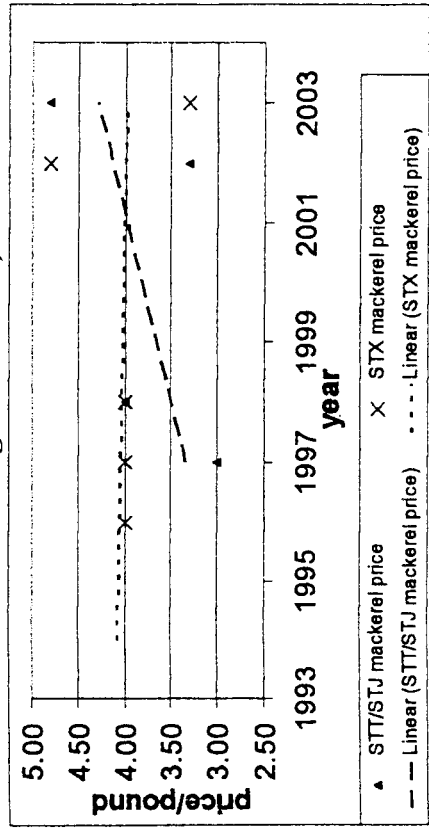


Figure 35. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Parrotfish, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

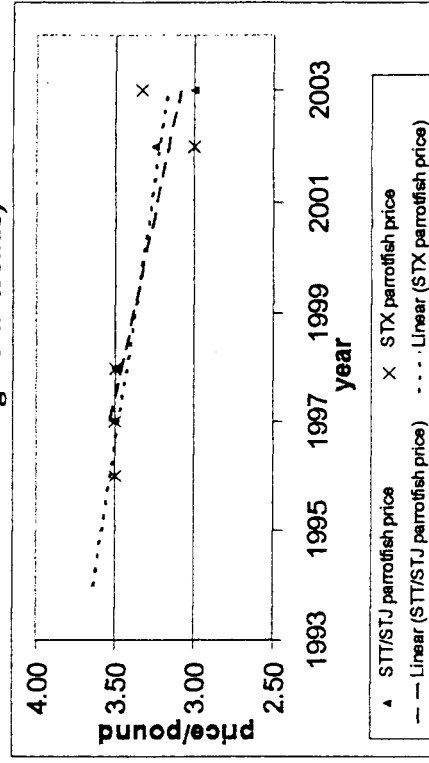


Figure 36. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Shellfish, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

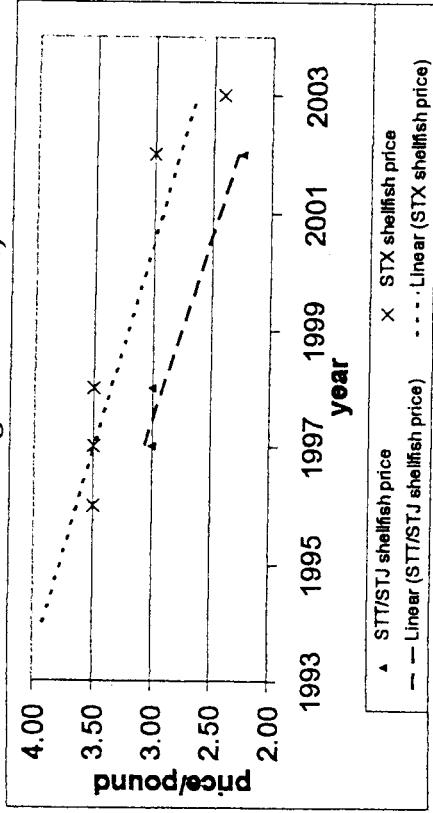


Figure 37. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Snapper, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

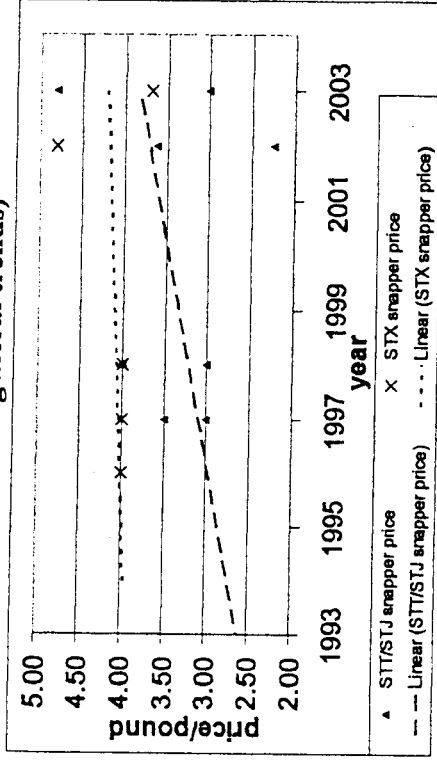


Figure 38. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Surgeonfish, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

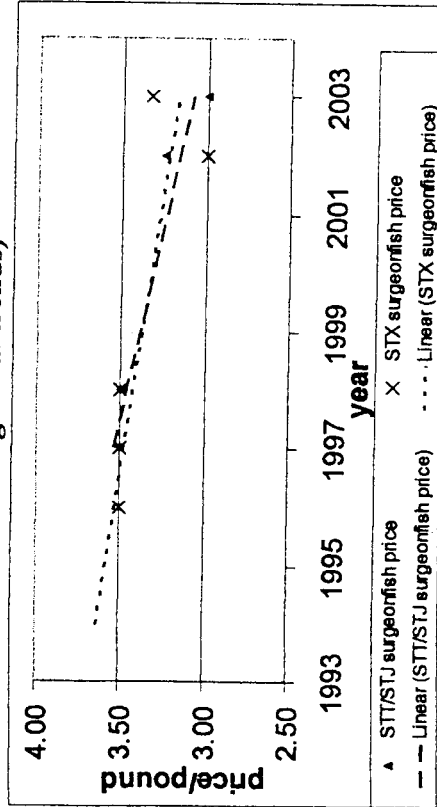


Figure 39. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Triggerfish, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

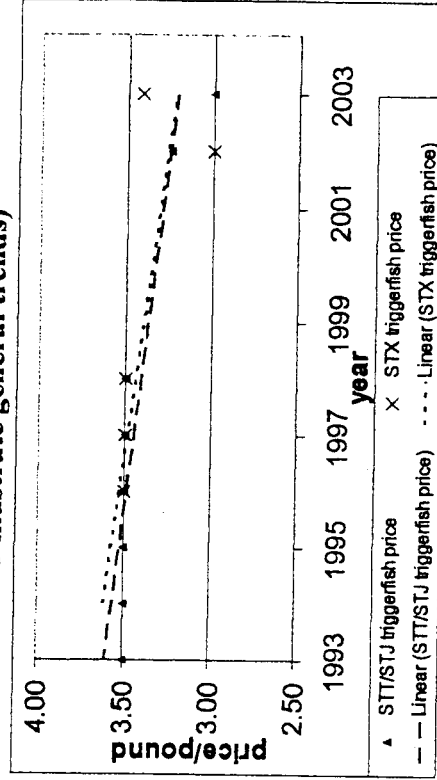


Figure 40 Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Tuna, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

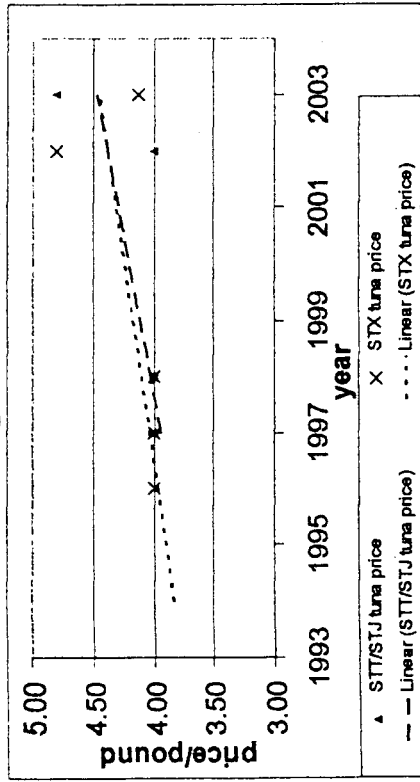


Figure 41. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Wahoo, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)

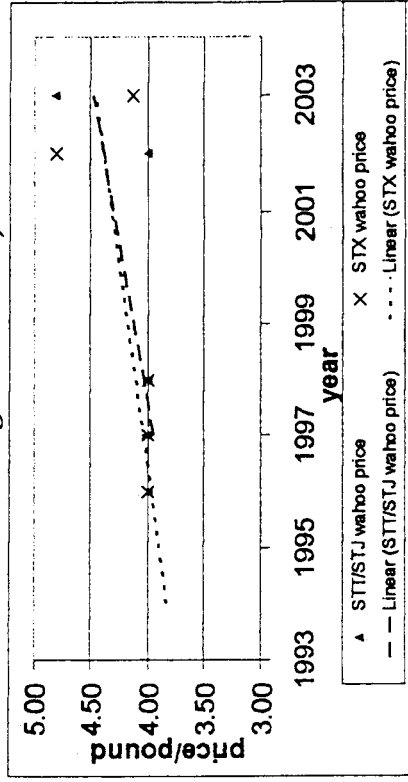
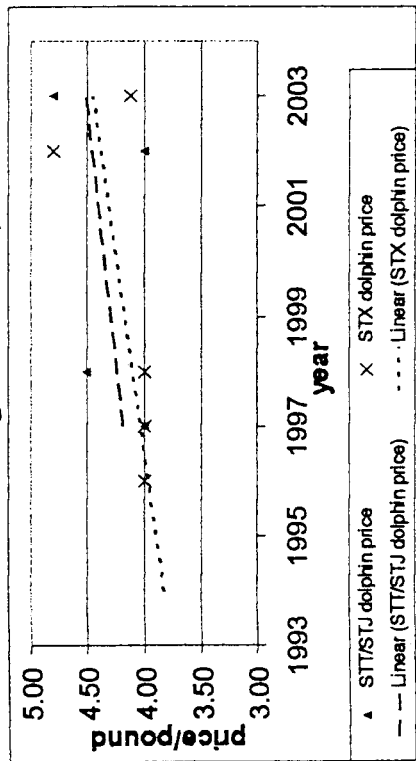


Figure 42. Scatter Plots Comparing St. Thomas/St. John and St. Croix Ex-Vessel Price Per Pound for Dolphin, 1994 to 2003 Fishing Years (linear regressions specified in Appendix 3 illustrate general trends)



Appendix 1. St. Thomas/St. John Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/reference |
|------|----------------|-------|-----------------------------|
| 1975 | hand | 1.00 | Olsen et al 1975, p2 |
| 1975 | jacks/snappers | 1.25 | Olsen et al 1975, p2 |
| 1975 | line | 1.00 | Olsen et al 1975, p2 |
| 1975 | lobster | 2.00 | Olsen et al 1975, p2 |
| 1975 | net | 1.00 | Olsen et al 1975, p2 |
| 1975 | trap | 1.00 | Olsen et al 1975, p2 |
| 1978 | conch | 1.60 | Anon. 1979, table 1 |
| 1978 | conch | 1.50 | Anon. 1979, table 1 |
| 1978 | hand | 1.38 | Anon. 1979, table 1 |
| 1978 | hand | 1.50 | Anon. 1979, table 1 |
| 1978 | line | 1.38 | Anon. 1979, table 1 |
| 1978 | line | 1.50 | Anon. 1979, table 1 |
| 1978 | lobster | 2.58 | Anon. 1979, table 1 |
| 1978 | lobster | 3.50 | Anon. 1979, table 1 |
| 1978 | net | 1.38 | Anon. 1979, table 1 |
| 1978 | net | 1.50 | Anon. 1979, table 1 |
| 1978 | other | 1.60 | Anon. 1979, table 1 |
| 1978 | shark | 0.50 | Anon. 1979, table 1 |
| 1978 | trap | 1.38 | Anon. 1979, table 1 |
| 1978 | trap | 1.50 | Anon. 1979, table 1 |
| 1979 | hand | 1.75 | Anon. 1979, table 1 |
| 1979 | line | 1.75 | Anon. 1979, table 1 |
| 1979 | lobtser | 4.50 | Anon. 1979, table 1 |
| 1979 | net | 1.75 | Anon. 1979, table 1 |
| 1979 | trap | 1.75 | Anon. 1979, table 1 |
| 1979 | whelk | 0.50 | Anon. 1979, table 1 |
| 1980 | lobster | 4.50 | Wood 1983, p. 15 |
| 1981 | conch | 3.00 | Wood 1983, table 6 |
| 1981 | hand | 2.00 | Wood 1983, table 6 |
| 1981 | line | 2.00 | Wood 1983, table 6 |
| 1981 | lobster | 5.00 | Wood 1983, table 6 |
| 1981 | net | 2.00 | Wood 1983, table 6 |
| 1981 | trap | 2.00 | Wood 1983, table 6 |
| 1981 | whelk | 3.50 | Wood 1983, table 6 |
| 1983 | conch | 2.50 | Clavijo et al 1986, table 6 |
| 1983 | hand | 2.00 | Clavijo et al 1986, table 6 |

Appendix 1 (continued). St. Thomas/St. John Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/reference |
|------|----------|-------|--|
| 1983 | line | 2.00 | Clavijo et al 1986, table 6 |
| 1983 | lobster | 5.00 | Clavijo et al 1986, table 6 |
| 1983 | net | 2.00 | Clavijo et al 1986, table 6 |
| 1983 | other | 3.00 | Clavijo et al 1986, table 6 |
| 1983 | trap | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | conch | 2.50 | Clavijo et al 1986, table 6 |
| 1984 | conch | 2.50 | Clavijo et al 1986, table 5 |
| 1984 | hand | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | hand | 2.00 | Clavijo et al 1986, table 5 |
| 1984 | line | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | line | 2.00 | Clavijo et al 1986, table 5 |
| 1984 | lobster | 5.00 | Clavijo et al 1986, table 5 |
| 1984 | net | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | net | 2.00 | Clavijo et al 1986, table 5 |
| 1984 | other | 3.00 | Clavijo et al 1986, table 6 |
| 1984 | trap | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | trap | 2.00 | Clavijo et al 1986, table 5 |
| 1985 | conch | 2.50 | Clavijo et al 1986, table 6 |
| 1985 | hand | 2.00 | Clavijo et al 1986, table 6 |
| 1985 | line | 2.00 | Clavijo et al 1986, table 6 |
| 1985 | lobster | 5.00 | Clavijo et al 1986, table 6 |
| 1985 | net | 2.00 | Clavijo et al 1986, table 6 |
| 1985 | trap | 2.00 | Clavijo et al 1986, table 6 |
| 1986 | conch | 1.96 | 1986/86 St. Thomas commercial catch report data file |
| 1986 | line | 1.02 | 1986/86 St. Thomas commercial catch report data file |
| 1986 | lobster | 3.03 | 1986/86 St. Thomas commercial catch report data file |
| 1986 | net | 1.91 | 1986/86 St. Thomas commercial catch report data file |
| 1986 | trap | 0.99 | 1986/86 St. Thomas commercial catch report data file |
| 1986 | whelk | 1.49 | 1986/86 St. Thomas commercial catch report data file |
| 1988 | conch | 7.75 | 1988/89 St. Thomas commercial catch report data file |
| 1988 | line | 0.97 | 1988/89 St. Thomas commercial catch report data file |
| 1988 | net | 1.66 | 1988/89 St. Thomas commercial catch report data file |
| 1988 | other | 4.48 | 1988/89 St. Thomas commercial catch report data file |
| 1988 | trap | 2.13 | 1988/89 St. Thomas commercial catch report data file |
| 1989 | conch | 5.00 | Barshinger ca 1992, table 3a |
| 1989 | hand | 3.25 | Barshinger ca 1992, table 3a |
| 1989 | line | 3.25 | Barshinger ca 1992, table 3a |

Appendix 1 (continued). St. Thomas/St. John Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/reference |
|------|----------|-------|------------------------------|
| 1989 | lobster | 5.00 | Barshinger ca 1992, table 3a |
| 1989 | net | 3.00 | Barshinger ca 1992, table 3a |
| 1989 | trap | 3.25 | Barshinger ca 1992, table 3a |
| 1989 | whelk | 10.00 | Barshinger ca 1992, table 3a |
| 1990 | conch | 4.00 | Barshinger ca 1993, page 9 |
| 1990 | hand | 3.00 | Barshinger ca 1993, page 9 |
| 1990 | line | 3.75 | Barshinger ca 1993, page 9 |
| 1990 | lobster | 5.75 | Barshinger ca 1993, page 9 |
| 1990 | net | 3.75 | Barshinger ca 1993, page 9 |
| 1990 | trap | 3.00 | Barshinger ca 1993, page 9 |
| 1990 | whelk | 10.00 | Barshinger ca 1993, page 9 |
| 1993 | baitfish | 3.00 | Meyers 1994, table 3 |
| 1993 | baitfish | 3.00 | Barshinger 1997, table 15 |
| 1993 | conch | 5.00 | Meyers 1994, table 3 |
| 1993 | conch | 5.00 | Barshinger 1997, table 15 |
| 1993 | hand | 4.00 | Meyers 1994, table 3 |
| 1993 | hand | 4.00 | Barshinger 1997, table 15 |
| 1993 | line | 4.00 | Meyers 1994, table 3 |
| 1993 | line | 4.00 | Barshinger 1997, table 15 |
| 1993 | lobster | 6.50 | Meyers 1994, table 3 |
| 1993 | lobster | 6.50 | Barshinger 1997, table 15 |
| 1993 | net | 4.00 | Meyers 1994, table 3 |
| 1993 | net | 4.00 | Barshinger 1997, table 15 |
| 1993 | trap | 3.50 | Meyers 1994, table 3 |
| 1993 | trap | 3.50 | Barshinger 1997, table 15 |
| 1993 | whelk | 8.00 | Meyers 1994, table 3 |
| 1993 | whelk | 8.00 | Barshinger 1997, table 15 |
| 1994 | baitfish | 3.00 | Barshinger 1997, table 15 |
| 1994 | conch | 5.00 | Barshinger 1997, table 15 |
| 1994 | hand | 4.00 | Barshinger 1997, table 15 |
| 1994 | line | 4.00 | Barshinger 1997, table 15 |
| 1994 | lobster | 6.50 | Barshinger 1997, table 15 |
| 1994 | net | 4.00 | Barshinger 1997, table 15 |
| 1994 | trap | 3.50 | Barshinger 1997, table 15 |
| 1994 | whelk | 8.00 | Barshinger 1997, table 15 |
| 1995 | baitfish | 3.00 | Barshinger 1997, table 15 |
| 1995 | conch | 5.00 | Barshinger 1997, table 15 |

Appendix 1 (continued). St. Thomas/St. John Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/reference |
|------|-----------|-------|--------------------------------|
| 1995 | hand | 4.00 | Barshinger 1997, table 15 |
| 1995 | line | 4.00 | Barshinger 1997, table 15 |
| 1995 | lobster | 6.50 | Barshinger 1997, table 15 |
| 1995 | net | 4.00 | Barshinger 1997, table 15 |
| 1995 | trap | 3.50 | Barshinger 1997, table 15 |
| 1995 | whelk | 8.00 | Barshinger 1997, table 15 |
| 1996 | baitfish | 3.00 | Tobias et al 2000, table 18 |
| 1996 | baitfish | 3.00 | Uwate and Tobias 2002, table 4 |
| 1996 | conch | 5.00 | Tobias et al 2000, table 18 |
| 1996 | conch | 5.00 | Uwate and Tobias 2002, table 4 |
| 1996 | line | 4.00 | Tobias et al 2000, table 18 |
| 1996 | line | 4.00 | Uwate and Tobias 2002, table 4 |
| 1996 | lobster | 6.00 | Tobias et al 2000, table 18 |
| 1996 | lobster | 6.00 | Uwate and Tobias 2002, table 4 |
| 1996 | net | 4.00 | Tobias et al 2000, table 18 |
| 1996 | net | 4.00 | Uwate and Tobias 2002, table 4 |
| 1996 | trap | 3.50 | Tobias et al 2000, table 18 |
| 1996 | trap | 3.50 | Uwate and Tobias 2002, table 4 |
| 1996 | whelk | 8.00 | Tobias et al 2000, table 18 |
| 1996 | whelk | 8.00 | Uwate and Tobias 2002, table 4 |
| 1997 | angelfish | 3.50 | Tobias et al 2000, table 19 |
| 1997 | angelfish | 3.50 | Uwate and Tobias 2002, table 5 |
| 1997 | baitfish | 3.00 | Tobias et al 2000, table 18 |
| 1997 | baitfish | 3.00 | Uwate and Tobias 2002, table 4 |
| 1997 | baitfish | 3.00 | Tobias et al 2000, table 19 |
| 1997 | baitfish | 3.00 | Uwate and Tobias 2002, table 5 |
| 1997 | barracuda | 3.00 | Tobias et al 2000, table 19 |
| 1997 | barracuda | 3.00 | Uwate and Tobias 2002, table 5 |
| 1997 | conch | 5.00 | Tobias et al 2000, table 18 |
| 1997 | conch | 5.00 | Uwate and Tobias 2002, table 4 |
| 1997 | conch | 5.00 | Tobias et al 2000, table 19 |
| 1997 | conch | 5.00 | Uwate and Tobias 2002, table 5 |
| 1997 | dolphin | 4.00 | Tobias et al 2000, table 19 |
| 1997 | dolphin | 4.00 | Uwate and Tobias 2002, table 5 |
| 1997 | goatfish | 3.00 | Tobias et al 2000, table 19 |
| 1997 | goatfish | 3.00 | Uwate and Tobias 2002, table 5 |
| 1997 | grouper | 3.50 | Tobias et al 2000, table 19 |

Appendix 1 (continued). St. Thomas/St. John Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/reference |
|-------------|-----------------|--------------|--------------------------------|
| 1997 | grouper | 3.50 | Uwate and Tobias 2002, table 5 |
| 1997 | grunt | 3.50 | Tobias et al 2000, table 19 |
| 1997 | grunt | 3.50 | Uwate and Tobias 2002, table 5 |
| 1997 | jack | 4.00 | Tobias et al 2000, table 19 |
| 1997 | jack | 4.00 | Uwate and Tobias 2002, table 5 |
| 1997 | line | 4.00 | Tobias et al 2000, table 18 |
| 1997 | line | 4.00 | Uwate and Tobias 2002, table 4 |
| 1997 | lobster | 7.00 | Tobias et al 2000, table 18 |
| 1997 | lobster | 7.00 | Uwate and Tobias 2002, table 4 |
| 1997 | lobster | 6.00 | Tobias et al 2000, table 19 |
| 1997 | lobster | 6.00 | Uwate and Tobias 2002, table 5 |
| 1997 | mackerel | 3.00 | Tobias et al 2000, table 19 |
| 1997 | mackerel | 3.00 | Uwate and Tobias 2002, table 5 |
| 1997 | net | 4.00 | Tobias et al 2000, table 18 |
| 1997 | net | 4.00 | Uwate and Tobias 2002, table 4 |
| 1997 | parrotfish | 3.50 | Tobias et al 2000, table 19 |
| 1997 | parrotfish | 3.50 | Uwate and Tobias 2002, table 5 |
| 1997 | shellfish | 3.00 | Tobias et al 2000, table 19 |
| 1997 | shellfish | 3.00 | Uwate and Tobias 2002, table 5 |
| 1997 | snapper | 3.50 | Tobias et al 2000, table 19 |
| 1997 | snapper | 3.50 | Uwate and Tobias 2002, table 5 |
| 1997 | surgeonfish | 3.50 | Tobias et al 2000, table 19 |
| 1997 | surgeonfish | 3.50 | Uwate and Tobias 2002, table 5 |
| 1997 | trap | 3.50 | Tobias et al 2000, table 18 |
| 1997 | trap | 3.50 | Uwate and Tobias 2002, table 4 |
| 1997 | triggerfish | 3.50 | Tobias et al 2000, table 19 |
| 1997 | triggerfish | 3.50 | Uwate and Tobias 2002, table 5 |
| 1997 | tuna | 4.00 | Tobias et al 2000, table 19 |
| 1997 | tuna | 4.00 | Uwate and Tobias 2002, table 5 |
| 1997 | wahoo | 4.00 | Tobias et al 2000, table 19 |
| 1997 | wahoo | 4.00 | Uwate and Tobias 2002, table 5 |
| 1997 | whelk | 8.00 | Tobias et al 2000, table 18 |
| 1997 | whelk | 8.00 | Uwate and Tobias 2002, table 4 |
| 1997 | whelk | 8.00 | Tobias et al 2000, table 19 |
| 1997 | whelk | 8.00 | Uwate and Tobias 2002, table 5 |
| 1998 | angelfish | 3.50 | Tobias et al 2000, table 19 |
| 1998 | angelfish | 3.50 | Uwate and Tobias 2002, table 5 |

Appendix 1 (continued). St. Thomas/St. John Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/reference |
|------|-------------|-------|--------------------------------|
| 1998 | baitfish | 3.00 | Uwate and Tobias 2002, table 4 |
| 1998 | baitfish | 3.00 | Tobias et al 2000, table 19 |
| 1998 | baitfish | 3.00 | Uwate and Tobias 2002, table 5 |
| 1998 | barracuda | 3.00 | Tobias et al 2000, table 19 |
| 1998 | barracuda | 3.00 | Uwate and Tobias 2002, table 5 |
| 1998 | conch | 5.00 | Uwate and Tobias 2002, table 4 |
| 1998 | conch | 5.00 | Tobias et al 2000, table 19 |
| 1998 | conch | 5.00 | Uwate and Tobias 2002, table 5 |
| 1998 | dolphin | 4.50 | Tobias et al 2000, table 19 |
| 1998 | dolphin | 4.50 | Uwate and Tobias 2002, table 5 |
| 1998 | goatfish | 3.50 | Tobias et al 2000, table 19 |
| 1998 | goatfish | 3.50 | Uwate and Tobias 2002, table 5 |
| 1998 | grouper | 4.00 | Tobias et al 2000, table 19 |
| 1998 | grouper | 4.00 | Uwate and Tobias 2002, table 5 |
| 1998 | grunt | 3.50 | Tobias et al 2000, table 19 |
| 1998 | grunt | 3.50 | Uwate and Tobias 2002, table 5 |
| 1998 | jack | 4.50 | Tobias et al 2000, table 19 |
| 1998 | jack | 4.50 | Uwate and Tobias 2002, table 5 |
| 1998 | line | 4.00 | Uwate and Tobias 2002, table 4 |
| 1998 | lobster | 7.00 | Uwate and Tobias 2002, table 4 |
| 1998 | lobster | 7.00 | Tobias et al 2000, table 19 |
| 1998 | lobster | 7.00 | Uwate and Tobias 2002, table 5 |
| 1998 | mackerel | 4.00 | Tobias et al 2000, table 19 |
| 1998 | mackerel | 4.00 | Uwate and Tobias 2002, table 5 |
| 1998 | net | 4.00 | Uwate and Tobias 2002, table 4 |
| 1998 | parrotfish | 3.50 | Tobias et al 2000, table 19 |
| 1998 | parrotfish | 3.50 | Uwate and Tobias 2002, table 5 |
| 1998 | shellfish | 3.00 | Tobias et al 2000, table 19 |
| 1998 | shellfish | 3.00 | Uwate and Tobias 2002, table 5 |
| 1998 | snapper | 4.00 | Tobias et al 2000, table 19 |
| 1998 | snapper | 4.00 | Uwate and Tobias 2002, table 5 |
| 1998 | surgeonfish | 3.50 | Tobias et al 2000, table 19 |
| 1998 | surgeonfish | 3.50 | Uwate and Tobias 2002, table 5 |
| 1998 | trap | 3.50 | Uwate and Tobias 2002, table 4 |
| 1998 | triggerfish | 3.50 | Tobias et al 2000, table 19 |
| 1998 | triggerfish | 3.50 | Uwate and Tobias 2002, table 5 |
| 1998 | tuna | 4.00 | Tobias et al 2000, table 19 |

Appendix 1 (continued). St. Thomas/St. John Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/reference |
|-------------|-----------------|--------------|--------------------------------|
| 1998 | tuna | 4.00 | Uwate and Tobias 2002, table 5 |
| 1998 | wahoo | 4.00 | Tobias et al 2000, table 19 |
| 1998 | wahoo | 4.00 | Uwate and Tobias 2002, table 5 |
| 1998 | whelk | 8.00 | Uwate and Tobias 2002, table 4 |
| 1998 | whelk | 8.00 | Tobias et al 2000, table 19 |
| 1998 | whelk | 8.00 | Uwate and Tobias 2002, table 5 |
| 2002 | angelfish | 3.17 | DFW internal files |
| 2002 | baitfish | 1.00 | DFW internal files |
| 2002 | barracuda | 2.87 | DFW internal files |
| 2002 | conch | 5.00 | DFW internal files |
| 2002 | dolphin | 4.00 | DFW internal files |
| 2002 | goatfish | 3.25 | DFW internal files |
| 2002 | grouper | 3.92 | DFW internal files |
| 2002 | grunt | 3.17 | DFW internal files |
| 2002 | jack | 3.41 | DFW internal files |
| 2002 | lobster | 6.75 | DFW internal files |
| 2002 | mackerel | 3.31 | DFW internal files |
| 2002 | parrotfish | 3.25 | DFW internal files |
| 2002 | shellfish | 2.25 | DFW internal files |
| 2002 | snapper | 3.62 | DFW internal files |
| 2002 | surgeonfish | 3.25 | DFW internal files |
| 2002 | triggerfish | 3.25 | DFW internal files |
| 2002 | tuna | 4.00 | DFW internal files |
| 2002 | wahoo | 4.00 | DFW internal files |
| 2002 | whelk | 1.92 | DFW internal files |
| 2003 | baitfish | 5.00 | DFW internal files |
| 2003 | barracuda | 3.00 | DFW internal files |
| 2003 | conch | 5.20 | DFW internal files |
| 2003 | coral crab | 5.00 | DFW internal files |
| 2003 | dolphin | 4.80 | DFW internal files |
| 2003 | goatfish | 3.00 | DFW internal files |
| 2003 | grouper | 4.80 | DFW internal files |
| 2003 | grunt | 3.40 | DFW internal files |
| 2003 | jack | 3.00 | DFW internal files |
| 2003 | lobster | 6.80 | DFW internal files |
| 2003 | mackerel | 4.80 | DFW internal files |
| 2003 | octopus | 5.00 | DFW internal files |

Appendix 1 (continued). St. Thomas/St. John Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/reference |
|-------------|-----------------|--------------|-------------------------|
| 2003 | parrotfish | 3.00 | DFW internal files |
| 2003 | porgy | 3.00 | DFW internal files |
| 2003 | shellfish | 3.00 | DFW internal files |
| 2003 | snapper | 4.80 | DFW internal files |
| 2003 | spider crab | 5.00 | DFW internal files |
| 2003 | surgeonfish | 3.00 | DFW internal files |
| 2003 | triggerfish | 3.00 | DFW internal files |
| 2003 | tuna | 4.80 | DFW internal files |
| 2003 | wahoo | 4.80 | DFW internal files |

*note: Only categories and years where prices were identified are included here.

Appendix 2. St. Croix Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/references |
|------|----------------|-------|-----------------------------|
| 1975 | hand | 1.00 | Olsen et al 1975, page 2 |
| 1975 | jacks/snappers | 1.25 | Olsen et al 1975, page 2 |
| 1975 | line | 1.00 | Olsen et al 1975, page 2 |
| 1975 | lobster | 2.00 | Olsen et al 1975, page 2 |
| 1975 | net | 1.00 | Olsen et al 1975, page 2 |
| 1975 | trap | 1.00 | Olsen et al 1975, page 2 |
| 1978 | conch | 1.60 | Anon. 1979, page 18 |
| 1978 | conch | 1.50 | Anon. 1979, table 1 |
| 1978 | hand | 1.38 | Anon. 1979, page 18 |
| 1978 | hand | 1.50 | Anon. 1979, table 1 |
| 1978 | line | 1.38 | Anon. 1979, page 18 |
| 1978 | line | 1.50 | Anon. 1979, table 1 |
| 1978 | lobster | 2.58 | Anon. 1979, page 18 |
| 1978 | lobster | 3.50 | Anon. 1979, table 1 |
| 1978 | net | 1.38 | Anon. 1979, page 18 |
| 1978 | net | 1.50 | Anon. 1979, table 1 |
| 1978 | other | 1.60 | Anon. 1979, page 18 |
| 1978 | shark | 0.50 | Anon. 1979, table 1 |
| 1978 | trap | 1.38 | Anon. 1979, page 18 |
| 1978 | trap | 1.50 | Anon. 1979, table 1 |
| 1979 | hand | 1.75 | Anon. 1979, table 1 |
| 1979 | line | 1.75 | Anon. 1979, table 1 |
| 1979 | lobster | 4.50 | Anon. 1979, table 1 |
| 1979 | net | 1.75 | Anon. 1979, table 1 |
| 1979 | trap | 1.75 | Anon. 1979, table 1 |
| 1979 | whelk | 0.50 | Anon. 1979, table 1 |
| 1980 | lobster | 4.50 | Wood ca 1983, table 6 |
| 1981 | conch | 2.25 | Wood ca 1983, table 6 |
| 1981 | hand | 2.00 | Wood ca 1983, table 6 |
| 1981 | line | 2.00 | Wood ca 1983, table 6 |
| 1981 | lobster | 5.00 | Wood ca 1983, table 6 |
| 1981 | net | 2.00 | Wood ca 1983, table 6 |
| 1981 | trap | 2.00 | Wood ca 1983, table 6 |
| 1981 | whelk | 3.50 | Wood ca 1983, table 6 |
| 1983 | conch | 2.50 | Clavijo et al 1986, table 6 |

Appendix 2 (continued). St. Croix Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/references |
|------|----------|-------|---|
| 1983 | hand | 2.00 | Clavijo et al 1986, table 6 |
| 1983 | line | 2.00 | Clavijo et al 1986, table 6 |
| 1983 | net | 2.00 | Clavijo et al 1986, table 6 |
| 1983 | other | 3.00 | Clavijo et al 1986, table 6 |
| 1983 | other | 5.00 | Clavijo et al 1986, table 6 |
| 1983 | trap | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | conch | 2.50 | Clavijo et al 1986, table 6 |
| 1984 | conch | 2.00 | Clavijo et al 1986, table 5 |
| 1984 | hand | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | hand | 2.00 | Clavijo et al 1986, table 5 |
| 1984 | line | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | line | 2.00 | Clavijo et al 1986, table 5 |
| 1984 | lobster | 5.00 | Clavijo et al 1986, table 6 |
| 1984 | lobster | 5.00 | Clavijo et al 1986, table 5 |
| 1984 | net | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | net | 2.00 | Clavijo et al 1986, table 5 |
| 1984 | other | 3.00 | Clavijo et al 1986, table 6 |
| 1984 | other | 3.00 | Clavijo et al 1986, table 5 |
| 1984 | trap | 2.00 | Clavijo et al 1986, table 6 |
| 1984 | trap | 2.00 | Clavijo et al 1986, table 5 |
| 1985 | conch | 2.50 | Clavijo et al 1986, table 6 |
| 1985 | hand | 2.00 | Clavijo et al 1986, table 6 |
| 1985 | line | 2.00 | Clavijo et al 1986, table 6 |
| 1985 | lobster | 5.00 | Clavijo et al 1986, table 6 |
| 1985 | net | 2.00 | Clavijo et al 1986, table 6 |
| 1985 | trap | 2.00 | Clavijo et al 1986, table 6 |
| 1986 | conch | 2.06 | 1986/87 commercial catch report data file |
| 1986 | line | 1.71 | 1986/87 commercial catch report data file |
| 1986 | lobster | 4.14 | 1986/87 commercial catch report data file |
| 1986 | net | 1.36 | 1986/87 commercial catch report data file |
| 1986 | trap | 1.36 | 1986/87 commercial catch report data file |
| 1987 | conch | 2.24 | 1986/87 commercial catch report data file |
| 1987 | line | 1.08 | 1986/87 commercial catch report data file |
| 1987 | lobster | 4.16 | 1986/87 commercial catch report data file |
| 1987 | net | 1.36 | 1986/87 commercial catch report data file |
| 1987 | trap | 0.40 | 1986/87 commercial catch report data file |

Appendix 2 (continued). St. Croix Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/references |
|------|----------|-------|---|
| 1988 | conch | 2.49 | 1986/87 commercial catch report data file |
| 1988 | line | 2.31 | 1986/87 commercial catch report data file |
| 1988 | lobster | 5.35 | 1986/87 commercial catch report data file |
| 1988 | net | 1.36 | 1986/87 commercial catch report data file |
| 1988 | trap | 1.86 | 1986/87 commercial catch report data file |
| 1989 | conch | 2.23 | 1986/87 commercial catch report data file |
| 1989 | line | 2.42 | 1986/87 commercial catch report data file |
| 1989 | lobster | 4.90 | 1986/87 commercial catch report data file |
| 1989 | net | 2.23 | 1986/87 commercial catch report data file |
| 1989 | trap | 1.90 | 1986/87 commercial catch report data file |
| 1990 | conch | 3.50 | Barshinger ca 1992, table 3b |
| 1990 | hand | 2.75 | Barshinger ca 1992, table 3b |
| 1990 | line | 2.75 | Barshinger ca 1992, table 3b |
| 1990 | lobster | 6.00 | Barshinger ca 1992, table 3b |
| 1990 | net | 2.50 | Barshinger ca 1992, table 3b |
| 1990 | trap | 2.75 | Barshinger ca 1992, table 3b |
| 1991 | conch | 3.75 | Barshinger ca 1992, page 9 |
| 1991 | hand | 2.75 | Barshinger ca 1992, page 9 |
| 1991 | line | 3.50 | Barshinger ca 1992, page 9 |
| 1991 | lobster | 7.00 | Barshinger ca 1992, page 9 |
| 1991 | net | 2.50 | Barshinger ca 1992, page 9 |
| 1991 | trap | 2.50 | Barshinger ca 1992, page 9 |
| 1992 | conch | 4.00 | DFW 1993, table 5 |
| 1992 | hand | 3.00 | DFW 1993, table 5 |
| 1992 | line | 3.50 | DFW 1993, table 5 |
| 1992 | lobster | 7.00 | DFW 1993, table 5 |
| 1992 | net | 3.00 | DFW 1993, table 5 |
| 1992 | trap | 3.00 | DFW 1993, table 5 |
| 1993 | baitfish | 3.00 | Meyers 1994, table 3 |
| 1993 | baitfish | 3.00 | Barshinger 1997, table 14 |
| 1993 | conch | 4.00 | Meyers 1994, table 3 |
| 1993 | conch | 4.00 | Barshinger 1997, table 14 |
| 1993 | hand | 4.00 | Meyers 1994, table 3 |
| 1993 | hand | 4.00 | Barshinger 1997, table 14 |
| 1993 | line | 4.00 | Meyers 1994, table 3 |
| 1993 | line | 4.00 | Barshinger 1997, table 14 |
| 1993 | lobster | 7.00 | Meyers 1994, table 3 |

Appendix 2 (continued). St. Croix Ex-vessel Fish Prices For Gear Type, and Species Groups for 1974 to 2003 Fishing Years, By Year*

| year | category | price | source/references |
|------|-----------|-------|--------------------------------|
| 1993 | lobster | 7.00 | Barshinger 1997, table 14 |
| 1993 | net | 4.00 | Meyers 1994, table 3 |
| 1993 | net | 4.00 | Barshinger 1997, table 14 |
| 1993 | trap | 3.50 | Meyers 1994, table 3 |
| 1993 | trap | 3.50 | Barshinger 1997, table 14 |
| 1993 | whelk | 10.00 | Meyers 1994, table 3 |
| 1993 | whelk | 10.00 | Barshinger 1997, table 14 |
| 1994 | baitfish | 3.00 | Barshinger 1997, table 14 |
| 1994 | conch | 4.00 | Barshinger 1997, table 14 |
| 1994 | hand | 4.00 | Barshinger 1997, table 14 |
| 1994 | line | 4.00 | Barshinger 1997, table 14 |
| 1994 | lobster | 7.00 | Barshinger 1997, table 14 |
| 1994 | net | 4.00 | Barshinger 1997, table 14 |
| 1994 | trap | 3.50 | Barshinger 1997, table 14 |
| 1994 | whelk | 10.00 | Barshinger 1997, table 14 |
| 1995 | baitfish | 3.00 | Barshinger 1997, table 14 |
| 1995 | conch | 5.00 | Barshinger 1997, table 14 |
| 1995 | hand | 4.00 | Barshinger 1997, table 14 |
| 1995 | line | 4.00 | Barshinger 1997, table 14 |
| 1995 | lobster | 7.00 | Barshinger 1997, table 14 |
| 1995 | net | 4.00 | Barshinger 1997, table 14 |
| 1995 | trap | 3.50 | Barshinger 1997, table 14 |
| 1995 | whelk | 10.00 | Barshinger 1997, table 14 |
| 1996 | angelfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1996 | baitfish | 3.00 | Tobias et al 2000, table 17 |
| 1996 | baitfish | 3.00 | Uwate and Tobias 2002, table 2 |
| 1996 | baitfish | 3.00 | Uwate and Tobias 2002, table 3 |
| 1996 | barracuda | 3.50 | Uwate and Tobias 2002, table 3 |
| 1996 | conch | 5.00 | Tobias et al 2000, table 17 |
| 1996 | conch | 5.00 | Uwate and Tobias 2002, table 2 |
| 1996 | conch | 5.00 | Uwate and Tobias 2002, table 3 |
| 1996 | dolphin | 4.00 | Uwate and Tobias 2002, table 3 |
| 1996 | goatfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1996 | grouper | 4.00 | Uwate and Tobias 2002, table 3 |
| 1996 | grunt | 3.50 | Uwate and Tobias 2002, table 3 |
| 1996 | hand | 4.00 | Tobias et al 2000, table 17 |
| 1996 | hand | 4.00 | Uwate and Tobias 2002, table 2 |

**Appendix 2 (continued). St. Croix Ex-vessel Fish Prices For Gear Type, and Species
Groups for 1974 to 2003 Fishing Years, By Year***

| year | category | price | source/references |
|------|-------------|-------|--------------------------------|
| 1996 | jack | 3.50 | Uwate and Tobias 2002, table 3 |
| 1996 | line | 4.00 | Tobias et al 2000, table 17 |
| 1996 | line | 4.00 | Uwate and Tobias 2002, table 2 |
| 1996 | lobster | 7.00 | Tobias et al 2000, table 17 |
| 1996 | lobster | 7.00 | Uwate and Tobias 2002, table 2 |
| 1996 | lobster | 7.00 | Uwate and Tobias 2002, table 3 |
| 1996 | mackerel | 4.00 | Uwate and Tobias 2002, table 3 |
| 1996 | net | 4.00 | Tobias et al 2000, table 17 |
| 1996 | net | 4.00 | Uwate and Tobias 2002, table 2 |
| 1996 | parrotfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1996 | shellfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1996 | snapper | 4.00 | Uwate and Tobias 2002, table 3 |
| 1996 | surgeonfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1996 | trap | 3.50 | Tobias et al 2000, table 17 |
| 1996 | trap | 3.50 | Uwate and Tobias 2002, table 2 |
| 1996 | triggerfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1996 | tuna | 4.00 | Uwate and Tobias 2002, table 3 |
| 1996 | wahoo | 4.00 | Uwate and Tobias 2002, table 3 |
| 1996 | whelk | 10.00 | Tobias et al 2000, table 17 |
| 1996 | whelk | 10.00 | Uwate and Tobias 2002, table 2 |
| 1996 | whelk | 10.00 | Uwate and Tobias 2002, table 3 |
| 1997 | angelfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1997 | baitfish | 3.00 | Uwate and Tobias 2002, table 3 |
| 1997 | baitfish | 3.00 | Tobias et al 2000, table 17 |
| 1997 | baitfish | 3.00 | Uwate and Tobias 2002, table 2 |
| 1997 | barracuda | 3.50 | Uwate and Tobias 2002, table 3 |
| 1997 | conch | 5.00 | Uwate and Tobias 2002, table 3 |
| 1997 | conch | 5.00 | Tobias et al 2000, table 17 |
| 1997 | conch | 5.00 | Uwate and Tobias 2002, table 2 |
| 1997 | dolphin | 4.00 | Uwate and Tobias 2002, table 3 |
| 1997 | goatfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1997 | grouper | 4.00 | Uwate and Tobias 2002, table 3 |
| 1997 | grunt | 3.50 | Uwate and Tobias 2002, table 3 |
| 1997 | hand | 4.00 | Tobias et al 2000, table 17 |
| 1997 | hand | 4.00 | Uwate and Tobias 2002, table 2 |
| 1997 | jack | 3.50 | Uwate and Tobias 2002, table 3 |
| 1997 | line | 4.00 | Tobias et al 2000, table 17 |

**Appendix 2 (continued). St. Croix Ex-vessel Fish Prices For Gear Type, and Species
Groups for 1974 to 2003 Fishing Years, By Year***

| year | category | price | source/references |
|------|-------------|-------|--------------------------------|
| 1997 | line | 4.00 | Uwate and Tobias 2002, table 2 |
| 1997 | lobster | 7.00 | Uwate and Tobias 2002, table 3 |
| 1997 | lobster | 7.00 | Tobias et al 2000, table 17 |
| 1997 | lobster | 7.00 | Uwate and Tobias 2002, table 2 |
| 1997 | mackerel | 4.00 | Uwate and Tobias 2002, table 3 |
| 1997 | net | 4.00 | Tobias et al 2000, table 17 |
| 1997 | net | 4.00 | Uwate and Tobias 2002, table 2 |
| 1997 | parrotfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1997 | shellfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1997 | snapper | 4.00 | Uwate and Tobias 2002, table 3 |
| 1997 | surgeonfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1997 | trap | 3.50 | Tobias et al 2000, table 17 |
| 1997 | trap | 3.50 | Uwate and Tobias 2002, table 2 |
| 1997 | triggerfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1997 | tuna | 4.00 | Uwate and Tobias 2002, table 3 |
| 1997 | wahoo | 4.00 | Uwate and Tobias 2002, table 3 |
| 1997 | whelk | 10.00 | Uwate and Tobias 2002, table 3 |
| 1997 | whelk | 10.00 | Tobias et al 2000, table 17 |
| 1997 | whelk | 10.00 | Uwate and Tobias 2002, table 2 |
| 1998 | angelfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1998 | baitfish | 3.00 | Uwate and Tobias 2002, table 3 |
| 1998 | baitfish | 3.00 | Tobias et al 2000, table 17 |
| 1998 | baitfish | 3.00 | Uwate and Tobias 2002, table 2 |
| 1998 | barracuda | 3.50 | Uwate and Tobias 2002, table 3 |
| 1998 | conch | 5.00 | Uwate and Tobias 2002, table 3 |
| 1998 | conch | 5.00 | Tobias et al 2000, table 17 |
| 1998 | conch | 5.00 | Uwate and Tobias 2002, table 2 |
| 1998 | dolphin | 4.00 | Uwate and Tobias 2002, table 3 |
| 1998 | goatfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1998 | grouper | 4.00 | Uwate and Tobias 2002, table 3 |
| 1998 | grunt | 3.50 | Uwate and Tobias 2002, table 3 |
| 1998 | hand | 4.00 | Tobias et al 2000, table 17 |
| 1998 | hand | 4.00 | Uwate and Tobias 2002, table 2 |
| 1998 | jack | 3.50 | Uwate and Tobias 2002, table 3 |
| 1998 | line | 4.00 | Tobias et al 2000, table 17 |
| 1998 | line | 4.00 | Uwate and Tobias 2002, table 2 |
| 1998 | lobster | 7.00 | Uwate and Tobias 2002, table 3 |

**Appendix 2 (continued). St. Croix Ex-vessel Fish Prices For Gear Type, and Species
Groups for 1974 to 2003 Fishing Years, By Year***

| year | category | price | source/references |
|-------------|-----------------|--------------|--------------------------------|
| 1998 | lobster | 7.00 | Tobias et al 2000, table 17 |
| 1998 | lobster | 7.00 | Uwate and Tobias 2002, table 2 |
| 1998 | mackerel | 4.00 | Uwate and Tobias 2002, table 3 |
| 1998 | net | 4.00 | Tobias et al 2000, table 17 |
| 1998 | net | 4.00 | Uwate and Tobias 2002, table 2 |
| 1998 | parrotfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1998 | shellfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1998 | snapper | 4.00 | Uwate and Tobias 2002, table 3 |
| 1998 | surgeonfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1998 | trap | 3.50 | Tobias et al 2000, table 17 |
| 1998 | trap | 3.50 | Uwate and Tobias 2002, table 2 |
| 1998 | triggerfish | 3.50 | Uwate and Tobias 2002, table 3 |
| 1998 | tuna | 4.00 | Uwate and Tobias 2002, table 3 |
| 1998 | wahoo | 4.00 | Uwate and Tobias 2002, table 3 |
| 1998 | whelk | 10.00 | Uwate and Tobias 2002, table 3 |
| 1998 | whelk | 10.00 | Tobias et al 2000, table 17 |
| 1998 | whelk | 10.00 | Uwate and Tobias 2002, table 2 |
| 2002 | angelfish | 3.00 | DFW internal files |
| 2002 | baitfish | 5.00 | DFW internal files |
| 2002 | barracuda | 3.00 | DFW internal files |
| 2002 | conch | 4.40 | DFW internal files |
| 2002 | dolphin | 4.80 | DFW internal files |
| 2002 | goatfish | 3.00 | DFW internal files |
| 2002 | grouper | 4.80 | DFW internal files |
| 2002 | grunt | 3.40 | DFW internal files |
| 2002 | jack | 3.00 | DFW internal files |
| 2002 | lobster | 6.80 | DFW internal files |
| 2002 | mackerel | 4.80 | DFW internal files |
| 2002 | parrotfish | 3.00 | DFW internal files |
| 2002 | shellfish | 3.00 | DFW internal files |
| 2002 | snapper | 4.80 | DFW internal files |
| 2002 | surgeonfish | 3.00 | DFW internal files |
| 2002 | triggerfish | 3.00 | DFW internal files |
| 2002 | tuna | 4.80 | DFW internal files |
| 2002 | wahoo | 4.80 | DFW internal files |
| 2003 | baitfish | 1.00 | DFW internal files |
| 2003 | barracuda | 3.00 | DFW internal files |

**Appendix 2 (continued). St. Croix Ex-vessel Fish Prices For Gear Type, and Species
Groups for 1974 to 2003 Fishing Years, By Year***

| year | category | price | source/references |
|------|-------------|-------|--------------------|
| 2003 | conch | 5.50 | DFW internal files |
| 2003 | dolphin | 4.13 | DFW internal files |
| 2003 | goatfish | 3.33 | DFW internal files |
| 2003 | grouper | 4.00 | DFW internal files |
| 2003 | grunt | 3.33 | DFW internal files |
| 2003 | jack | 3.50 | DFW internal files |
| 2003 | lobster | 6.92 | DFW internal files |
| 2003 | mackerel | 3.31 | DFW internal files |
| 2003 | parrotfish | 3.33 | DFW internal files |
| 2003 | porgy | 3.33 | DFW internal files |
| 2003 | shellfish | 2.42 | DFW internal files |
| 2003 | snapper | 3.69 | DFW internal files |
| 2003 | surgeonfish | 3.33 | DFW internal files |
| 2003 | triggerfish | 3.42 | DFW internal files |
| 2003 | tuna | 4.13 | DFW internal files |
| 2003 | wahoo | 4.13 | DFW internal files |
| 2003 | whelk | 1.84 | DFW internal files |

*note: Only categories and years where prices were identified are included here.

APPENDIX 3.
Linear Regression Values for General Trend Lines in Select Figures

| Figure No. | District | Gear Catch/ Species Group | Linear Regression | r ² |
|------------|----------|---------------------------|-------------------|----------------|
| 3 | STT/STJ | overall | 0.101X - 197.46 | 0.464 |
| 3 | STX | overall | 0.1064X - 208.3 | 0.4917 |
| 4, 20 | STT/STJ | conch | 0.1537X - 301.88 | 0.5583 |
| 4, 21 | STT/STJ | lobster | 0.1543X - 301.6 | 0.7848 |
| 5, 24 | STT/STJ | hand | 0.1594X - 313.86 | 0.9509 |
| 5, 26 | STT/STJ | net | 0.1481X - 291.59 | 0.8845 |
| 6, 23 | STT/STJ | trap | 0.1188X - 233.72 | 0.8408 |
| 6, 25 | STT/STJ | line | 0.1501X - 295.66 | 0.7786 |
| 7, 22 | STT/STJ | whelk | 0.2231X - 437.76 | 0.2295 |
| 7, 27 | STT/STJ | baitfish | 0.018X - 33.002 | 0.0045 |
| 8, 28 | STT/STJ | angelfish | -0.0691X + 141.46 | 0.9419 |
| 8, 29 | STT/STJ | barracuda | -0.0106X + 24.118 | 0.2766 |
| 8, 42 | STT/STJ | dolphin | 0.0545X - 104.75 | 0.1727 |
| 8, 30 | STT/STJ | goatfish | -0.0132X + 29.513 | 0.02 |
| 9, 31 | STT/STJ | grouper | 0.1437X - 283.39 | 0.635 |
| 9, 32 | STT/STJ | grunt | -0.0378X + 79.091 | 0.5665 |
| 9, 33 | STT/STJ | jack | -0.1915X + 386.8 | 0.7138 |
| 9, 34 | STT/STJ | mackerel | 0.0184X - 33.253 | 0.0056 |
| 10, 35 | STT/STJ | parrotfish | -0.0754X + 154.03 | 0.9043 |
| 10, 36 | STT/STJ | shellfish | -0.061X + 124.83 | 0.2766 |
| 10, 37 | STT/STJ | snapper | 0.1193X - 234.66 | 0.4038 |
| 10, 40 | STT/STJ | tuna | 0.088X - 171.87 | 0.5062 |
| 11, 39 | STT/STJ | triggerfish | -0.0754X + 154.03 | 0.9043 |
| 11, 38 | STT/STJ | surgeonfish | -0.0754X + 154.03 | 0.9043 |
| 11, 41 | STT/STJ | wahoo | 0.088X - 171.87 | 0.5062 |
| 12, 20 | STX | conch | 0.1789X - 352.52 | 0.877 |
| 12, 21 | STX | lobster | 0.1749X - 342.21 | 0.8121 |
| 13, 24 | STX | hand | 0.141X - 277.51 | 0.9376 |
| 13, 26 | STX | net | 0.1454X - 286.39 | 0.7968 |
| 14, 23 | STX | trap | 0.1178X - 231.88 | 0.7279 |
| 14, 25 | STX | line | 0.1479X - 291.37 | 0.85 |
| 15, 22 | STX | whelk | 0.292X - 573.89 | 0.2945 |
| 15, 27 | STX | baitfish | -0.0179X + 38.743 | 0.0045 |
| 16, 28 | STX | angelfish | -0.0904X + 183.94 | 0.9036 |
| 16, 29 | STX | barracuda | -0.0851X + 173.34 | 0.9356 |
| 16, 42 | STX | dolphin | 0.07X - 135.71 | 0.3921 |
| 16, 30 | STX | goatfish | -0.0524X + 108.14 | 0.5641 |
| 17, 31 | STX | grouper | 0.0577X - 111.26 | 0.2526 |
| 17, 32 | STX | grunt | -0.0235X + 50.507 | 0.9127 |
| 17, 33 | STX | jack | -0.0361X + 75.536 | 0.2526 |
| 17, 34 | STX | mackerel | -0.0096X + 23.216 | 0.0032 |

APPENDIX 3 (continued).
Linear Regression Values for General Trend Lines in Select Figures

| Figure No. | District | Gear Catch/ Species Group | Linear Regression | r² |
|-------------------|-----------------|----------------------------------|--------------------------|----------------------|
| 18, 35 | STX | parrotfish | -0.0524X + 108.14 | 0.5641 |
| 18, 36 | STX | shellfish | -0.1422X + 287.43 | 0.8505 |
| 18, 37 | STX | snapper | 0.0271X - 50.133 | 0.0414 |
| 18, 40 | STX | tuna | 0.07X - 135.71 | 0.3921 |
| 19, 39 | STX | triggerfish | -0.0442X + 91.836 | 0.4021 |
| 19, 38 | STX | surgeonfish | -0.0524X + 108.14 | 0.5641 |
| 19, 41 | STX | wahoo | 0.07X - 135.71 | 0.3921 |