

Executive Summary	p. 1
Introduction	p. 13
The Problem	p. 14
Background on Reducing Dolphin Mortality from Tuna Fishing	p. 15
The Committee's Study	p. 21
Some Policy and Economic Considerations	p. 22
U.S. Tuna and Marine Mammal Policy	p. 22
Economic Considerations	p. 28
Background on Fishing Gear	p. 34
Purse Seines	p. 34
Other Fishing Methods	p. 37
Biology and Ecology of Yellowfin Tuna	p. 38
Distribution and Stock Structure	p. 38
Physiology, Growth, and Longevity	p. 38
Abundance and Size Structure	p. 39
Yield, Population Dynamics, and Management	p. 40
The Behavior of Dolphins and Tuna in the ETP	p. 42
General Dolphin Biology and Ecology	p. 43
The Tuna-Dolphin Relationship	p. 45
Feeding Behavior	p. 47
Behavior of Dolphins and Tuna in the Tuna-Seining Operation	p. 47
Dolphin Mortality and Abundance	p. 52
Estimating Incidental Dolphin Mortality	p. 52
Mortality Estimates for 1959-1990	p. 54
Factors Affecting Total Mortality Estimates	p. 55
Estimates of Dolphin Abundance	p. 64
Overview: The Past, Present, and Future	p. 69
Techniques for Reducing Dolphin Mortality	p. 72
Small Modifications of Current Methods	p. 72
Major Modifications of Current Methods	p. 76
Potential Behavior-Based Release of Dolphins	p. 86
Breaking the Tuna-Dolphin Bond	p. 89
Alternative Methods of Locating Yellowfin Tuna	p. 90
Alternatives to Dolphin-Associated Fishing	p. 93
Regulatory Alternatives	p. 102
Recommendations	p. 110
Recommendations Concerning the ETP Tuna-Dolphin Fishery	p. 110
Recommendations for Harvesting Tuna Not in Association with Dolphins	p. 117
Summary	p. 119
References	p. 120
Appendix 1	p. 129

Appendix 2	p. 157
Appendix 3	p. 166
Index	p. 169

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.